

Gene Symbol	Gene Title	fold (B6/C3H)	P.Value	UniGene ID
H2-D1	histocompatibility 2, D region locus 1	0.06	2.84E-11	Mm.33263
Rpgrip1	retinitis pigmentosa GTPase regulator interacting protein 1	6.50	5.4E-10	Mm.21662
Lin7c	lin 7 homolog c (C. elegans)	8.75	5.4E-10	Mm.235300
Gbp1	guanylate nucleotide binding protein 1	0.14	1.04E-09	Mm.250
Sfrp1	secreted frizzled-related sequence protein 1	5.74	1.62E-09	Mm.281691
C4	complement component 4 (within H-2S)	3.78	6.64E-09	Mm.16106
Cap1	CAP, adenylate cyclase-associated protein 1 (yeast)	0.15	8.27E-09	Mm.8687
Hba-a1	hemoglobin alpha, adult chain 1	0.17	9.9E-09	Mm.196110
Reg3g	regenerating islet-derived 3 gamma	6.23	5.93E-08	Mm.252385
Prdx2	peroxiredoxin 2	2.89	6.02E-08	Mm.270130
Copz2	coatamer protein complex, subunit zeta 2	2.25	0.000000111	Mm.22144
Paip1	polyadenylate binding protein-interacting protein 1	0.34	0.000000198	Mm.132584
Pigo	phosphatidylinositol glycan, class O	2.16	0.000000215	Mm.143738
Slc15a2	solute carrier family 15 (H+/peptide transporter), member 2	2.27	0.000000215	Mm.281804
H2-K	histocompatibility 2, K region	3.76	0.000000482	Mm.288170
Alad	aminolevulinate, delta-, dehydratase	0.28	0.000000496	Mm.90076
Ltf	lactotransferrin	4.35	0.00000063	Mm.282359
Runx1	runt related transcription factor 1	3.05	0.000000715	Mm.162974
Wars	tryptophanyl-tRNA synthetase	3.05	0.000000715	Mm.38433
Myh6	myosin, heavy polypeptide 6, cardiac muscle, alpha	0.34	0.00000143	Mm.290003
Srd5a2l	steroid 5 alpha-reductase 2-like	0.46	0.00000167	Mm.289446
Col1a2	procollagen, type I, alpha 2	3.05	0.0000024	Mm.277792
Adprt13	ADP-ribosyltransferase (NAD+; poly (ADP-ribose polymera	2.45	0.00000271	Mm.273659
Apoe	apolipoprotein E	3.20	0.00000288	Mm.259289
Scgb3a1	secretoglobin, family 3A, member 1	2.28	0.00000311	Mm.22802
Ifi202b	interferon activated gene 202B	0.24	0.00000389	Mm.218770
Atp1a2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	0.53	0.00000608	Mm.207432
Muc5b	mucin 5, subtype B, tracheobronchial	2.53	0.00000629	Mm.200752
Col1a1	procollagen, type I, alpha 1	2.87	0.00000681	Mm.277735
Pglyrp	peptidoglycan recognition protein	0.45	0.00000695	Mm.21855
Fmo1	flavin containing monooxygenase 1	0.44	0.0000094	Mm.976
Sspn	sarcospan	2.81	0.00000954	Mm.49689
Gp2	glycoprotein 2 (zymogen granule membrane)	2.35	0.0000105	Mm.46403
Chi3l3	chitinase 3-like 3	2.95	0.000011	Mm.4571
Chi3l4	chitinase 3-like 4	3.03	0.0000114	Mm.244998
Wdfy1	WD40 and FYVE domain containing 1	0.44	0.000014	Mm.293273

Cd84	CD84 antigen	2.13	0.000014 Mm.259115
Nme7	non-metastatic cells 7, protein expressed in	0.35	0.0000155 Mm.219428
Abhd1	abhydrolase domain containing 1	0.56	0.0000155 Mm.272414
Ndr4	N-myc downstream regulated 4	1.59	0.0000155 Mm.29846
Ppp5c	protein phosphatase 5, catalytic subunit	1.60	0.0000155 Mm.3294
Tceb3	transcription elongation factor B (SIII), polypeptide 3	1.71	0.0000162 Mm.27663
Glo1	glyoxalase 1	0.48	0.0000164 Mm.261984
Gclc	glutamate-cysteine ligase, catalytic subunit	1.98	0.0000164 Mm.89888
Fstl1	follistatin-like 1	2.16	0.0000164 Mm.182434
Zfp191	zinc finger protein 191	1.57	0.0000168 Mm.153618
Temt	thioether S-methyltransferase	0.44	0.0000174 Mm.299
Sparcl1	SPARC-like 1 (mast9, hevin)	1.63	0.0000174 Mm.29027
Tlr1	toll-like receptor 1	2.08	0.0000174 Mm.273024
H2-Q7	histocompatibility 2, Q region locus 7	5.31	0.0000199 Mm.296496
Sh3bgrl3	SH3 domain binding glutamic acid-rich protein-like 3	1.76	0.0000229 Mm.22240
Mbd1	methyl-CpG binding domain protein 1	1.94	0.0000229 Mm.22522
H28	histocompatibility 28	0.44	0.0000251 Mm.219544
Mmp13	matrix metalloproteinase 13	1.68	0.0000257 Mm.5022
Fgfr4	fibroblast growth factor receptor 4	0.57	0.0000299 Mm.276715
Bcl2l11	BCL2-like 11 (apoptosis facilitator)	1.79	0.0000299 Mm.141083
Bid	BH3 interacting domain death agonist	1.74	0.0000302 Mm.281317
Trim12	tripartite motif protein 12	1.98	0.0000307 Mm.26466
Irak4	interleukin-1 receptor-associated kinase 4	2.11	0.0000327 Mm.279655
Rad51ap1	RAD51 associated protein 1	0.46	0.0000356 Mm.204634
Fpr1	formyl peptide receptor-like 1	0.50	0.0000359 Mm.3522
Trim16	tripartite motif protein 16	2.43	0.0000382 Mm.117087
Villp	villin-like protein	1.72	0.0000395 Mm.83817
C1qb	complement component 1, q subcomponent, beta polypeptide	4.38	0.0000395 Mm.2570
Trim34	tripartite motif protein 34	3.18	0.0000413 Mm.219657
Klk9	kallikrein 9	0.51	0.0000418 Mm.5193
Adamdec1	ADAM-like, decysin 1	2.23	0.0000418 Mm.36742
C1qg	complement component 1, q subcomponent, gamma polypeptide	3.71	0.0000418 Mm.3453
Nnt	nicotinamide nucleotide transhydrogenase	0.50	0.0000423 Mm.195803
Slc7a10	solute carrier family 7 (cationic amino acid transporter, y+ s	0.37	0.0000459 Mm.277439
Pnpt1	polyribonucleotide nucleotidyltransferase 1	0.64	0.000048 Mm.272938
Col5a2	procollagen, type V, alpha 2	2.31	0.0000594 Mm.10299
Serpine2	serine (or cysteine) proteinase inhibitor, clade E, member 2	2.38	0.0000606 Mm.3093

Procr	protein C receptor, endothelial	0.52	0.0000666 Mm.3243
Gas5	growth arrest specific 5	2.31	0.0000666 Mm.270065
Kcne3	potassium voltage-gated channel, Isk-related subfamily, ge	0.53	0.0000744 Mm.282386
Lass4	longevity assurance homolog 4 (<i>S. cerevisiae</i>)	0.70	0.0000744 Mm.35511
Ltbp2	latent transforming growth factor beta binding protein 2	1.99	0.0000744 Mm.3900
Pla2g7	phospholipase A2, group VII (platelet-activating factor acety	2.25	0.0000744 Mm.9277
Sfn	stratifin	2.64	0.0000744 Mm.301269
Cxcl14	chemokine (C-X-C motif) ligand 14	3.86	0.0000744 Mm.30211
Tctex1	t-complex testis expressed 1	0.64	0.0000753 Mm.1948
Gsto1	glutathione S-transferase omega 1	2.30	0.0000758 Mm.282
Sfmbt2	Scm-like with four mbt domains 2	0.62	0.0000783 Mm.27840
Grtp1	GH regulated TBC protein 1	0.67	0.0000783 Mm.34901
Socs3	suppressor of cytokine signaling 3	2.28	0.000082 Mm.3468
Lpl	lipoprotein lipase	1.61	0.0000827 Mm.1514
Snx6	sorting nexin 6	2.06	0.0000881 Mm.28240
Tgfb1	transforming growth factor, beta induced	2.31	0.0000881 Mm.14455
Pcdha6	protocadherin alpha 6	0.55	0.0000885 Mm.15528
Ccrn4l	CCR4 carbon catabolite repression 4-like (<i>S. cerevisiae</i>)	1.96	0.0000909 Mm.86541
Dclre1a	DNA cross-link repair 1A, PSO2 homolog (<i>S. cerevisiae</i>)	0.50	0.000091 Mm.2805
Ifi205	interferon activated gene 205	2.71	0.000091 Mm.255414
Slc35a5	solute carrier family 35, member A5	2.91	0.0000955 Mm.264984
Strm	striamin	1.66	0.000104 Mm.253564
Grin2c	glutamate receptor, ionotropic, NMDA2C (epsilon 3)	0.59	0.000106 Mm.39090
Siat8b	sialyltransferase 8 (alpha-2, 8-sialyltransferase) B	0.61	0.00011 Mm.4954
Mapkbp1	mitogen activated protein kinase binding protein 1	0.63	0.000111 Mm.299387
Dusp7	dual specificity phosphatase 7	0.60	0.000116 Mm.275584
Prkce	protein kinase C, epsilon	0.60	0.000116 Mm.240216
Myo7a	myosin VIIa	1.67	0.000118 Mm.1403
Supt16h	suppressor of Ty 16 homolog (<i>S. cerevisiae</i>)	0.68	0.00012 Mm.286066
Cfr	cystic fibrosis transmembrane conductance regulator homo	0.52	0.000122 Mm.15621
Tor3a	torsin family 3, member A	0.56	0.000123 Mm.206737
Gnb1	guanine nucleotide binding protein, beta 1	0.51	0.000134 Mm.2344
Itgb5	integrin beta 5	1.66	0.000146 Mm.6424
Pstpip1	proline-serine-threonine phosphatase-interacting protein 1	1.87	0.000147 Mm.2534
Eln	elastin	3.56	0.00015 Mm.275320
Ramp2	receptor (calcitonin) activity modifying protein 2	0.64	0.000157 Mm.260698
Bckdhb	branched chain ketoacid dehydrogenase E1, beta polypept	0.52	0.000161 Mm.12819

Hey1	hairy/enhancer-of-split related with YRPW motif 1	0.57	0.000161 Mm.29581
Rarb	retinoic acid receptor, beta	0.60	0.00017 Mm.259318
Iqgap1	IQ motif containing GTPase activating protein 1	0.63	0.00017 Mm.207619
Cot11	coactosin-like 1 (Dictyostelium)	1.56	0.000173 Mm.141741
Gabbr1	gamma-aminobutyric acid (GABA-B) receptor, 1	0.59	0.000175 Mm.245164
Col5a1	procollagen, type V, alpha 1	2.13	0.000182 Mm.7281
Pttg1	pituitary tumor-transforming 1	1.92	0.000186 Mm.6856
Dscr111	Down syndrome critical region gene 1-like 1	0.35	0.000196 Mm.251242
Anxa8	annexin A8	1.83	0.000196 Mm.3267
Qpct	glutaminyl-peptide cyclotransferase (glutaminyl cyclase)	1.75	0.000198 Mm.293870
Cxcl12	chemokine (C-X-C motif) ligand 12	2.07	0.000198 Mm.465
Bcat2	branched chain aminotransferase 2, mitochondrial	0.56	0.000199 Mm.267405
Ng23	Ng23 protein	0.73	0.000199 Mm.214512
Lox	lysyl oxidase	2.91	0.000199 Mm.172
Wnt5a	wingless-related MMTV integration site 5A	1.71	0.000203 Mm.287544
Pmscl1	polymyositis/scleroderma autoantigen 1	1.52	0.000219 Mm.116711
Mafb	v-maf musculoaponeurotic fibrosarcoma oncogene family, 1	2.19	0.00022 Mm.298157
Rnf14	ring finger protein 14	1.52	0.000228 Mm.22086
Mmp14	matrix metalloproteinase 14 (membrane-inserted)	2.19	0.000228 Mm.280175
P2ry6	pyrimidnergic receptor P2Y, G-protein coupled, 6	1.98	0.000233 Mm.235193
Ckb	creatine kinase, brain	1.75	0.000238 Mm.16831
Gpm6a	glycoprotein m6a	0.52	0.000239 Mm.241700
Clca2	chloride channel calcium activated 2	3.29	0.000243 Mm.20897
Prss12	protease, serine, 12 neurotrypsin (motopsin)	0.62	0.000253 Mm.9431
Xdh	xanthine dehydrogenase	2.87	0.000263 Mm.11223
Cyp2b20	cytochrome P450, family 2, subfamily b, polypeptide 20	0.53	0.000269 Mm.218749
Bmp6	bone morphogenetic protein 6	0.48	0.000274 Mm.254978
Hebp1	heme binding protein 1	0.48	0.000277 Mm.247996
Bmp4	bone morphogenetic protein 4	0.57	0.000279 Mm.6813
Gpr97	G protein-coupled receptor 97	1.39	0.000281 Mm.27995
Apobec3	apolipoprotein B editing complex 3	2.22	0.000286 Mm.227489
Cdh16	cadherin 16	0.57	0.000302 Mm.19423
Slc2a9	solute carrier family 2 (facilitated glucose transporter), member 9	0.63	0.000306 Mm.17389
Enpp4	ectonucleotide pyrophosphatase/phosphodiesterase 4	0.50	0.000317 Mm.290707
Gig1	glucocorticoid induced gene 1	0.55	0.000319 Mm.212908
Il1a	interleukin 1 alpha	0.72	0.000319 Mm.15534
Mfap5	microfibrillar associated protein 5	1.61	0.00032 Mm.41931

Arvcf	armadillo repeat gene deleted in velo-cardio-facial syndrom	0.55	0.00033 Mm.293599
Fcgr2b	Fc receptor, IgG, low affinity IIb	2.60	0.000336 Mm.22119
Capn5	calpain 5	1.38	0.000342 Mm.10682
Clca1	chloride channel calcium activated 1	3.14	0.000342 Mm.275745
Per3	period homolog 3 (Drosophila)	0.49	0.000343 Mm.121361
Ifngr2	interferon gamma receptor 2	1.63	0.000343 Mm.249364
Adam8	a disintegrin and metalloprotease domain 8	2.03	0.000347 Mm.15969
Lysal1	lysosomal apyrase-like 1	1.53	0.000359 Mm.291443
Abp1	amiloride binding protein 1 (amine oxidase, copper-containi	1.69	0.000364 Mm.7190
Ncr1	natural cytotoxicity triggering receptor 1	0.60	0.00037 Mm.41980
Khdrbs3	KH domain containing, RNA binding, signal transduction as	1.65	0.00037 Mm.17964
Ptpla	protein tyrosine phosphatase-like (proline instead of catalyt	1.72	0.00037 Mm.241205
Epb4.113	erythrocyte protein band 4.1-like 3	0.68	0.000375 Mm.131135
Fbn1	fibrillin 1	1.81	0.000377 Mm.271644
Lrrfip1	leucine rich repeat (in FLII) interacting protein 1	0.60	0.000384 Mm.45039
Cables1	Cdk5 and Abl enzyme substrate 1	0.66	0.000397 Mm.40717
Rnf149	ring finger protein 149	1.55	0.000397 Mm.28614
Sc5d	sterol-C5-desaturase (fungal ERG3, delta-5-desaturase) hc	2.08	0.000397 Mm.32700
Tff2	trefoil factor 2 (spasmolytic protein 1)	1.65	0.000398 Mm.1825
Trem2b	triggering receptor expressed on myeloid cells 2b	1.93	0.000399 Mm.261623
Imap38	immunity-associated protein	0.58	0.00041 Mm.197478
Kdelr3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein ret	1.74	0.00041 Mm.29644
C2ta	class II transactivator	0.70	0.000418 Mm.249560
Arg1	arginase 1, liver	8.94	0.000418 Mm.154144
Clasp2	CLIP associating protein 2	0.63	0.000424 Mm.222272
Ccr12	chemokine (C-C motif) receptor-like 2	0.71	0.00043 Mm.7336
Ctsh	cathepsin H	1.76	0.000459 Mm.2277
Car4	carbonic anhydrase 4	0.36	0.000465 Mm.1641
Zfp386	zinc finger protein 386 (Kruppel-like)	1.46	0.000466 Mm.254997
Tnc	tenascin C	3.29	0.000492 Mm.980
Apln	apelin	0.56	0.000498 Mm.29262
Fn1	fibronectin 1	2.06	0.000506 Mm.193099
Gpt1	glutamic pyruvic transaminase 1, soluble	0.62	0.000518 Mm.30130
Anks1	ankyrin repeat and SAM domain containing 1	0.72	0.000518 Mm.32556
Dio2	deiodinase, iodothyronine, type II	1.40	0.000523 Mm.21389
Litaf	LPS-induced TN factor	1.64	0.00053 Mm.294753
Cnot7	CCR4-NOT transcription complex, subunit 7	0.53	0.000538 Mm.272551

Myl3	myosin, light polypeptide 3, alkali; ventricular, skeletal, slow	0.59	0.000538 Mm.7353
Tshb	thyroid stimulating hormone, beta subunit	0.72	0.000538 Mm.110730
Uchl1	ubiquitin carboxy-terminal hydrolase L1	1.46	0.000538 Mm.113770
Fbln2	fibulin 2	2.33	0.000538 Mm.249146
Fbp2	fructose bisphosphatase 2	0.61	0.000544 Mm.289741
Mod1	malic enzyme, supernatant	1.49	0.000544 Mm.298213
Itgav	integrin alpha V	1.60	0.000552 Mm.227
Cyp4b1	cytochrome P450, family 4, subfamily b, polypeptide 1	0.63	0.000556 Mm.1840
Gstm1	glutathione S-transferase, mu 1	0.54	0.000564 Mm.2011
Rpl15	ribosomal protein L15	0.57	0.000564 Mm.296730
Akr1e1	aldo-keto reductase family 1, member E1	1.34	0.000564 Mm.251908
Thbs1	thrombospondin 1	3.07	0.000564 Mm.4159
Fst	folliculin	4.11	0.000564 Mm.4913
Madh4	MAD homolog 4 (Drosophila)	1.56	0.000566 Mm.100399
Agtrl1	angiotensin receptor-like 1	0.48	0.000571 Mm.29368
Retnla	resistin like alpha	3.51	0.000575 Mm.33772
Cd97	CD97 antigen	0.59	0.000621 Mm.182255
	38234 septin 4	0.53	0.000622 Mm.2214
Slc30a7	solute carrier family 30 (zinc transporter), member 7	1.42	0.000622 Mm.254626
Ctss	cathepsin S	1.49	0.000622 Mm.3619
Cdc42ep4	CDC42 effector protein (Rho GTPase binding) 4	1.94	0.000622 Mm.293378
Adamts4	a disintegrin-like and metalloprotease (reprolysin type) with	1.44	0.000625 Mm.23156
Notch4	Notch gene homolog 4 (Drosophila)	0.55	0.000626 Mm.173813
Col3a1	procollagen, type III, alpha 1	1.69	0.000629 Mm.249555
Taf7	TAF7 RNA polymerase II, TATA box binding protein (TBP)-	1.42	0.00063 Mm.236009
Gria1	glutamate receptor, ionotropic, AMPA1 (alpha 1)	0.55	0.000645 Mm.4920
Noxo1	NADPH oxidase organizer 1	0.68	0.000653 Mm.269293
Mgat2	mannoside acetylglucosaminyltransferase 2	1.41	0.000673 Mm.206642
Rgs18	regulator of G-protein signaling 18	0.46	0.000693 Mm.253927
Krt1-23	keratin complex 1, acidic, gene 23	0.62	0.000702 Mm.279767
Ccr5	chemokine (C-C motif) receptor 5	1.89	0.000704 Mm.14302
Vps33b	vacuolar protein sorting 33B (yeast)	0.62	0.000712 Mm.37879
Abca1	ATP-binding cassette, sub-family A (ABC1), member 1	1.49	0.000712 Mm.277376
Pi4k2a	phosphatidylinositol 4-kinase type 2 alpha	2.13	0.000712 Mm.117037
Map3k6	mitogen-activated protein kinase kinase kinase 6	2.20	0.000713 Mm.36640
Tm4sf13	transmembrane 4 superfamily member 13	0.51	0.000722 Mm.254663
B3gnt3	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransf	1.43	0.000722 Mm.290837

Mrpl35	mitochondrial ribosomal protein L35	1.57	0.000722 Mm.28579
Tnnt1	troponin T1, skeletal, slow	0.53	0.000724 Mm.258670
Cxcl16	chemokine (C-X-C motif) ligand 16	1.56	0.000727 Mm.301293
Tm4sf2	transmembrane 4 superfamily member 2	0.66	0.000737 Mm.18590
Tacc2	transforming, acidic coiled-coil containing protein 2	0.71	0.000753 Mm.86322
Snx10	sorting nexin 10	1.35	0.000753 Mm.294166
Arhc	ras homolog gene family, member C	1.55	0.000753 Mm.262
Nnmt	nicotinamide N-methyltransferase	2.41	0.000756 Mm.8362
Clu	clusterin	1.69	0.00076 Mm.200608
Siat10	sialyltransferase 10 (alpha-2,3-sialyltransferase VI)	0.67	0.000763 Mm.212742
Cebpd	CCAAT/enhancer binding protein (C/EBP), delta	1.67	0.000768 Mm.272602
Epha1	Eph receptor A1	0.72	0.000776 Mm.251772
Abcc3	ATP-binding cassette, sub-family C (CFTR/MRP), member	0.61	0.00081 Mm.23942
Dhrs8	dehydrogenase/reductase (SDR family) member 8	0.43	0.000812 Mm.239333
Fah	fumarylacetoacetate hydrolase	0.70	0.000819 Mm.3798
Fv1	Friend virus susceptibility 1	0.76	0.000826 Mm.57220
Cdkn2c	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	0.64	0.000827 Mm.1912
H2-T24	histocompatibility 2, T region locus 24	0.56	0.000828 Mm.14573
Galnt2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyl-	2.51	0.000828 Mm.33808
Ces3	carboxylesterase 3	0.66	0.000831 Mm.292803
Dnajc5	DnaJ (Hsp40) homolog, subfamily C, member 5	1.41	0.000847 Mm.140761
Sgcb	sarcoglycan, beta (dystrophin-associated glycoprotein)	0.63	0.000854 Mm.89310
Icam2	intercellular adhesion molecule 2	0.53	0.000855 Mm.394
Agtrap	angiotensin II, type I receptor-associated protein	1.42	0.000868 Mm.262174
Bex2	brain expressed X-linked 2	0.60	0.000877 Mm.94160
LOC230857	endothelin converting enzyme 1	0.69	0.000882 Mm.294384
Ccl12	chemokine (C-C motif) ligand 12	3.14	0.000906 Mm.867
Entpd1	ectonucleoside triphosphate diphosphohydrolase 1	1.50	0.000914 Mm.2824
Brp17	brain protein 17	0.61	0.00092 Mm.248635
Elf5	E74-like factor 5	0.56	0.000921 Mm.20888
Apoc2	apolipoprotein C-II	2.17	0.000925 Mm.28394
Krt1-18	keratin complex 1, acidic, gene 18	1.80	0.000953 Mm.22479
Hal	histidine ammonia lyase	0.29	0.000972 Mm.13000
Timp1	tissue inhibitor of metalloproteinase 1	5.06	0.000972 Mm.8245
Ctnn	cortactin	1.42	0.000974 Mm.205601
C1qa	complement component 1, q subcomponent, alpha polypep	2.83	0.000981 Mm.370
Cltc	clathrin, heavy polypeptide (Hc)	1.33	0.00106 Mm.254588

Snrk	SNF related kinase	0.64	0.00108 Mm.257989
Utrn	utrophin	0.62	0.00109 Mm.253554
Pnp	purine-nucleoside phosphorylase	1.45	0.00109 Mm.17932
Madh6	MAD homolog 6 (Drosophila)	0.60	0.00114 Mm.27935
Csda	cold shock domain protein A	1.42	0.00114 Mm.193526
Pvrl3	poliovirus receptor-related 3	1.48	0.00117 Mm.135989
Cyp4f18	cytochrome P450, family 4, subfamily f, polypeptide 18	1.85	0.00117 Mm.160020
Tncc	troponin C, cardiac/slow skeletal	0.54	0.00118 Mm.712
Mgll	monoglyceride lipase	0.64	0.00118 Mm.272197
Spred1	sprouty protein with EVH-1 domain 1, related sequence	1.44	0.00119 Mm.245890
Tmod4	tropomodulin 4	0.75	0.0012 Mm.71935
Aqr	aquarius	1.38	0.0012 Mm.2545
Ggcx	gamma-glutamyl carboxylase	1.55	0.0012 Mm.19937
Crym	crystallin, mu	0.66	0.00122 Mm.9114
Galnt11	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyl-	0.69	0.00122 Mm.246718
Mmp8	matrix metalloproteinase 8	1.54	0.00122 Mm.16415
Igf1	insulin-like growth factor 1	1.93	0.00122 Mm.268521
Gprc5b	G protein-coupled receptor, family C, group 5, member B	0.50	0.00124 Mm.103439
Fcgr1	Fc receptor, IgG, high affinity I	2.19	0.00125 Mm.150
Ms4a11	membrane-spanning 4-domains, subfamily A, member 11	2.46	0.00125 Mm.271843
Adamts8	a disintegrin-like and metalloprotease (reprolysin type) with	0.76	0.00126 Mm.100582
Osmr	oncostatin M receptor	1.66	0.00129 Mm.10760
Pumag	interferon-gamma inducible gene, Puma-g	0.72	0.00131 Mm.77690
Emr1	EGF-like module containing, mucin-like, hormone receptor-	1.49	0.00132 Mm.2254
Plagl1	pleiomorphic adenoma gene-like 1	0.66	0.00135 Mm.287857
Papss2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	1.54	0.00138 Mm.203916
Stmn2	stathmin-like 2	0.54	0.00139 Mm.29580
Mcfcd2	multiple coagulation factor deficiency 2	1.41	0.0014 Mm.30251
Myl4	myosin, light polypeptide 4, alkali; atrial, embryonic	0.42	0.00141 Mm.247636
G0s2	G0/G1 switch gene 2	0.62	0.00146 Mm.3283
Tuba8	tubulin, alpha 8	0.71	0.00146 Mm.32884
Lgmn	legumain	1.67	0.00147 Mm.17185
Mapk12	mitogen-activated protein kinase 12	0.67	0.00148 Mm.38343
Chst1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	0.71	0.0015 Mm.38021
Kif5b	kinesin family member 5B	1.74	0.0015 Mm.223744
Il13ra1	interleukin 13 receptor, alpha 1	1.41	0.00154 Mm.24208
L259	L259	0.56	0.00156 Mm.89556

Qscn6	quiescin Q6	1.63	0.00156 Mm.297925
Lmo2	LIM domain only 2	0.59	0.00157 Mm.29266
Npnt	nephronectin	0.62	0.0016 Mm.279310
Pygl	liver glycogen phosphorylase	0.59	0.00163 Mm.256926
Fmod	fibromodulin	1.35	0.00167 Mm.287146
Cd16411	CD164 sialomucin-like 1	1.42	0.00168 Mm.29597
Rin1	Ras and Rab interactor 1	1.48	0.00168 Mm.55192
Nfil3	nuclear factor, interleukin 3, regulated	1.99	0.00168 Mm.136604
Ear1	eosinophil-associated ribonuclease 1	0.37	0.0017 Mm.86948
Ctsk	cathepsin K	0.61	0.0017 Mm.3109
Upp1	uridine phosphorylase 1	0.65	0.0017 Mm.4610
Spon1	spondin 1, (f-spondin) extracellular matrix protein	1.42	0.0017 Mm.121116
Adamts1	a disintegrin-like and metalloprotease (reprolysin type) with	1.58	0.0017 Mm.1421
Actg2	actin, gamma 2, smooth muscle, enteric	1.71	0.0017 Mm.292865
Tfpi2	tissue factor pathway inhibitor 2	1.78	0.0017 Mm.25612
MGC29978	3-ketoacyl-CoA thiolase B	0.50	0.00171 Mm.224885
Mmp3	matrix metalloproteinase 3	2.30	0.00176 Mm.4993
Tmem7	transmembrane protein 7	0.66	0.00186 Mm.215259
Klra3	killer cell lectin-like receptor, subfamily A, member 3	0.48	0.00191 Mm.298156
Fancc	Fanconi anemia, complementation group C	0.75	0.00191 Mm.126106
Mglap	matrix gamma-carboxyglutamate (gla) protein	1.41	0.00191 Mm.243085
Siat7b	sialyltransferase 7 ((alpha-N-acetylneuraminy) 2,3-beta-gal:	0.73	0.00192 Mm.3947
Gata3	GATA binding protein 3	0.79	0.00192 Mm.606
Ctsb	cathepsin B	1.53	0.00193 Mm.236553
Lyzs	lysozyme	0.53	0.00196 Mm.45436
Bicc1	bicaudal C homolog 1 (Drosophila)	1.66	0.00196 Mm.286834
Peg3	paternally expressed 3	1.39	0.002 Mm.298237
Rnf41	ring finger protein 41	1.37	0.00205 Mm.294120
C3ar1	complement component 3a receptor 1	2.20	0.00206 Mm.2408
Chst2	carbohydrate sulfotransferase 2	0.68	0.00207 Mm.212446
Eng	endoglin	0.70	0.00207 Mm.277741
Npl	N-acetylneuraminase pyruvate lyase	1.80	0.00207 Mm.24887
Zfx1b	zinc finger homeobox 1b	2.14	0.00207 Mm.209368
Atp2a3	ATPase, Ca ⁺⁺ transporting, ubiquitous	0.60	0.00211 Mm.6306
Msra	methionine sulfoxide reductase A	0.78	0.00212 Mm.26713
Meis1	myeloid ecotropic viral integration site 1	0.64	0.00216 Mm.260855
Cd59a	CD59a antigen	0.67	0.00219 Mm.247265

Nrd1	nardilysin, N-arginine dibasic convertase, NRD convertase	0.77	0.00219 Mm.274950
Sell	selectin, lymphocyte	0.72	0.00222 Mm.1461
Bpnt1	bisphosphate 3'-nucleotidase 1	1.36	0.00224 Mm.227549
Dpp4	dipeptidylpeptidase 4	0.39	0.00225 Mm.1151
Rab4a	RAB4A, member RAS oncogene family	0.68	0.00225 Mm.9221
Hist1h4i	histone 1, H4i	0.70	0.00226 Mm.14775
Rgs16	regulator of G-protein signaling 16	1.38	0.00227 Mm.181709
Glrx1	glutaredoxin 1 (thioltransferase)	1.51	0.00227 Mm.25844
Tagln	transgelin	1.59	0.00227 Mm.283283
Mark1	MAP/microtubule affinity-regulating kinase 1	1.35	0.00228 Mm.219860
Col17a1	procollagen, type XVII, alpha 1	0.73	0.0023 Mm.1225
Sdc2	syndecan 2	1.39	0.0023 Mm.234266
Tdrd3	tudor domain containing 3	0.53	0.00231 Mm.250990
Rpl36	ribosomal protein L36	1.43	0.00231 Mm.21421
Fcer1g	Fc receptor, IgE, high affinity I, gamma polypeptide	1.61	0.00231 Mm.22673
Cald1	caldesmon 1	2.11	0.00231 Mm.212567
Gadd45g	growth arrest and DNA-damage-inducible 45 gamma	2.11	0.00234 Mm.281298
Kcnq1	potassium voltage-gated channel, subfamily Q, member 1	0.80	0.00236 Mm.5177
Ptger4	prostaglandin E receptor 4 (subtype EP4)	1.72	0.00238 Mm.18509
Tnfsf9	tumor necrosis factor (ligand) superfamily, member 9	1.60	0.00242 Mm.41171
Adam28	a disintegrin and metalloprotease domain 28	1.40	0.00244 Mm.117450
Npn1	neoplastic progression 1	1.89	0.00244 Mm.29567
Mbd4	methyl-CpG binding domain protein 4	1.37	0.00247 Mm.259308
Kdr	kinase insert domain protein receptor	0.57	0.00255 Mm.285
Col13a1	procollagen, type XIII, alpha 1	0.72	0.00255 Mm.10805
Abca8a	ATP-binding cassette, sub-family A (ABC1), member 8a	0.61	0.00256 Mm.298496
Dapk2	death-associated kinase 2	0.63	0.00256 Mm.41755
Fn5	FN5 protein	0.72	0.00256 Mm.86572
Crnk1l1	Crn, crooked neck-like 1 (Drosophila)	0.77	0.00256 Mm.248755
Pard6g	par-6 partitioning defective 6 homolog gamma (C. elegans)	0.78	0.00256 Mm.24678
Serpina3n	serine (or cysteine) proteinase inhibitor, clade A, member 3	3.18	0.00256 Mm.22650
Rtn2	reticulon 2 (Z-band associated protein)	0.72	0.00257 Mm.24142
Prx	periaxin	0.74	0.00257 Mm.10119
Irs1	insulin receptor substrate 1	0.56	0.00259 Mm.4952
Palmd	palmdelphin	0.59	0.00265 Mm.253736
Ly75	lymphocyte antigen 75	0.75	0.00269 Mm.2074
Edg8	endothelial differentiation, sphingolipid G-protein-coupled r	0.78	0.00269 Mm.190619

Pgrmc1	progesterone receptor membrane component 1	0.68	0.00271 Mm.9052
Klf7	Kruppel-like factor 7 (ubiquitous)	2.11	0.00271 Mm.29466
Ntan1	N-terminal Asn amidase	1.92	0.00272 Mm.181830
Emr4	EGF-like module containing, mucin-like, hormone receptor-	0.59	0.00282 Mm.210497
Adcy9	adenylate cyclase 9	0.75	0.00282 Mm.4294
Tslpr	thymic stromal-derived lymphopoietin, receptor	1.38	0.00282 Mm.35771
Fkbp10	FK506 binding protein 10	1.76	0.00282 Mm.3894
Tgm1	transglutaminase 1, K polypeptide	1.47	0.00287 Mm.41964
Popdc2	popeye domain containing 2	0.79	0.00291 Mm.286858
Gpnmb	glycoprotein (transmembrane) nmb	1.40	0.00291 Mm.23567
Rap2b	RAP2B, member of RAS oncogene family	1.78	0.00291 Mm.273288
Fkbp5	FK506 binding protein 5	2.91	0.00291 Mm.276405
Efna1	ephrin A1	0.67	0.00293 Mm.15675
Dll4	delta-like 4 (Drosophila)	0.61	0.00297 Mm.143719
Maoa	monoamine oxidase A	0.76	0.00297 Mm.21108
Xpr1	xenotropic and polytropic retrovirus receptor 1	0.69	0.00299 Mm.89968
Atp9a	ATPase, class II, type 9A	0.74	0.00299 Mm.10288
Slc39a14	solute carrier family 39 (zinc transporter), member 14	2.03	0.00299 Mm.270647
Picalm	phosphatidylinositol binding clathrin assembly protein	1.35	0.00301 Mm.235175
Tce1	T-complex expressed gene 1	1.41	0.00301 Mm.274794
Nudt6	nudix (nucleoside diphosphate linked moiety X)-type motif 6	0.75	0.00302 Mm.30820
Myoz2	myozenin 2	0.58	0.00307 Mm.141157
Cab140	calcium binding protein 140	0.71	0.00316 Mm.116721
Aars	alanyl-tRNA synthetase	1.35	0.00316 Mm.24174
Pla2g1b	phospholipase A2, group IB, pancreas	0.75	0.00317 Mm.20190
Msh5	mutS homolog 5 (E. coli)	0.75	0.00318 Mm.24192
Nars	asparaginyl-tRNA synthetase	1.24	0.00318 Mm.29192
Fxyd5	FXYP domain-containing ion transport regulator 5	1.34	0.00318 Mm.1870
Sphk1	sphingosine kinase 1	2.39	0.00325 Mm.20944
Ptp4a1	protein tyrosine phosphatase 4a1	1.49	0.00326 Mm.262000
Egr2	early growth response 2	1.54	0.00327 Mm.290421
Pmm1	phosphomannomutase 1	1.41	0.00328 Mm.18939
Ppfibp2	protein tyrosine phosphatase, receptor-type, F interacting p	0.73	0.00336 Mm.2817
Mfng	manic fringe homolog (Drosophila)	0.76	0.00336 Mm.149235
Hebp2	heme binding protein 2	0.77	0.00336 Mm.35551
Ppp2r5c	protein phosphatase 2, regulatory subunit B (B56), gamma	1.38	0.00347 Mm.240396
Edil3	EGF-like repeats and discordin I-like domains 3	0.71	0.00349 Mm.255272

Map3k4	mitogen activated protein kinase kinase kinase 4	0.73	0.0035 Mm.28587
Ankrd17	ankyrin repeat domain 17	0.75	0.00352 Mm.245522
Cat	catalase	0.57	0.00359 Mm.4215
Edg7	endothelial differentiation, lysophosphatidic acid G-protein-c	0.52	0.00364 Mm.155520
Clecsf6	C-type (calcium dependent, carbohydrate recognition doma	1.45	0.00365 Mm.47384
Asah1	N-acylsphingosine amidohydrolase 1	1.34	0.00367 Mm.22547
Zdhhc2	zinc finger, DHHC domain containing 2	0.77	0.00373 Mm.34326
Sgsh	N-sulfoglucosamine sulfohydrolase (sulfamidase)	0.78	0.00374 Mm.103788
Itih4	inter alpha-trypsin inhibitor, heavy chain 4	0.66	0.00375 Mm.34819
Emp2	epithelial membrane protein 2	0.76	0.00375 Mm.246009
Frzb	frizzled-related protein	1.32	0.00375 Mm.136022
LOC209387	tripartite motif protein 30-like	1.43	0.00375 Mm.295781
Acvr2b	activin receptor IIB	0.75	0.00378 Mm.8940
Crim1	cysteine-rich motor neuron 1	1.67	0.00378 Mm.19271
Snx5	sorting nexin 5	1.34	0.00383 Mm.273379
Car2	carbonic anhydrase 2	0.77	0.00384 Mm.1186
Dst	dystonin	0.65	0.0039 Mm.25326
Aps	adaptor protein with pleckstrin homology and src	1.31	0.0039 Mm.277333
Foxo1	forkhead box O1	0.78	0.00393 Mm.29891
Eno3	enolase 3, beta muscle	0.60	0.00395 Mm.251322
Aldh7a1	aldehyde dehydrogenase family 7, member A1	0.75	0.00395 Mm.30250
Rec8L1	REC8-like 1 (yeast)	1.31	0.00398 Mm.23149
Lzp-s	P lysozyme structural	0.75	0.00401 Mm.177539
Dab2	disabled homolog 2 (Drosophila)	1.60	0.00401 Mm.240830
Rbp4	retinol binding protein 4, plasma	0.52	0.00402 Mm.2605
Gjb3	gap junction membrane channel protein beta 3	1.50	0.00404 Mm.90003
Sec63	SEC63-like (S. cerevisiae)	1.41	0.00406 Mm.214344
Siat4a	sialyltransferase 4A (beta-galactoside alpha-2,3-sialyltransf	1.46	0.00406 Mm.248334
Pcdh7	protocadherin 7	1.73	0.00406 Mm.255488
Vegfa	vascular endothelial growth factor A	0.69	0.00409 Mm.31540
Gsr	glutathione reductase 1	1.35	0.00413 Mm.283573
Aoah	acyloxyacyl hydrolase	1.41	0.00416 Mm.159294
Scoc	short coiled-coil protein	1.45	0.00416 Mm.300476
Fgf18	fibroblast growth factor 18	0.78	0.00419 Mm.246671
Sox7	SRY-box containing gene 7	0.51	0.0042 Mm.42162
Fmo5	flavin containing monooxygenase 5	0.66	0.0042 Mm.281718
Cnr2	cannabinoid receptor 2 (macrophage)	0.72	0.0042 Mm.297251

Serpine1	serine (or cysteine) proteinase inhibitor, clade E, member 1	1.86	0.0042 Mm.250422
Arhu	ras homolog gene family, member U	1.61	0.00425 Mm.168257
Dmd	dystrophin, muscular dystrophy	0.74	0.00426 Mm.275608
Efnb2	ephrin B2	0.68	0.00436 Mm.209813
Cib1	calcium and integrin binding 1 (calmyrin)	0.77	0.00437 Mm.30217
Rasgrf2	RAS protein-specific guanine nucleotide-releasing factor 2	0.78	0.00438 Mm.57233
B4galt6	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polyp	1.26	0.00438 Mm.290717
Prickle1	prickle like 1 (Drosophila)	0.56	0.00441 Mm.293502
Nfkb2	nuclear factor of kappa light polypeptide gene enhancer in I	1.28	0.00441 Mm.102365
Ccl9	chemokine (C-C motif) ligand 9	2.25	0.00441 Mm.2271
Plxdc1	plexin domain containing 1	0.76	0.00443 Mm.39617
Cygb	cytoglobin	1.65	0.00443 Mm.34598
Ubap1	ubiquitin-associated protein 1	1.30	0.00452 Mm.289795
Spry1	sprouty homolog 1 (Drosophila)	0.72	0.00453 Mm.86483
Ogn	osteoglycin	0.54	0.00463 Mm.4258
Ddc	dopa decarboxylase	0.69	0.00464 Mm.12906
Galc	galactosylceramidase	1.25	0.00464 Mm.5120
Serping1	serine (or cysteine) proteinase inhibitor, clade G, member 1	1.37	0.00464 Mm.38888
Map3k7	mitogen activated protein kinase kinase kinase 7	1.45	0.00464 Mm.258589
Apg7l	autophagy 7-like (S. cerevisiae)	1.30	0.00466 Mm.275332
Manba	mannosidase, beta A, lysosomal	1.43	0.00469 Mm.280536
Ace2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	0.68	0.00471 Mm.13451
Tnfrsf14	tumor necrosis factor receptor superfamily, member 14 (he	0.70	0.00471 Mm.215147
Gstm2	glutathione S-transferase, mu 2	0.71	0.00471 Mm.272792
Ptprb	protein tyrosine phosphatase, receptor type, B	0.77	0.00471 Mm.37213
Areg	amphiregulin	1.68	0.00478 Mm.8039
Hpgd	hydroxyprostaglandin dehydrogenase 15 (NAD)	0.62	0.00481 Mm.18832
Mkrn1	makorin, ring finger protein, 1	0.67	0.00481 Mm.83241
Npr1	natriuretic peptide receptor 1	0.71	0.00483 Mm.4627
Lepre1	leprecan 1	1.24	0.00486 Mm.27961
Smarce1	SWI/SNF related, matrix associated, actin dependent regul:	0.68	0.00488 Mm.27330
Zfp467	zinc finger protein 467	0.73	0.00488 Mm.301341
Slamf9	SLAM family member 9	1.36	0.0049 Mm.150050
Prdc	protein related to DAN and cerberus	0.63	0.00492 Mm.25760
Nutf2	nuclear transport factor 2	1.24	0.00492 Mm.269188
Cerk	ceramide kinase	1.50	0.00492 Mm.222685
Arf5	ADP-ribosylation factor 5	2.53	0.00492 Mm.4996

Col15a1	procollagen, type XV	1.35	0.00498 Mm.233547
Abca3	ATP-binding cassette, sub-family A (ABC1), member 3	0.60	0.00502 Mm.239470
Spna1	spectrin alpha 1	0.69	0.00502 Mm.200611
Pbx2	pre B-cell leukemia transcription factor 2	0.73	0.00502 Mm.7103
Rgs9	regulator of G-protein signaling 9	0.80	0.00505 Mm.38548
Taz	tafazzin	0.77	0.00512 Mm.268483
Tmem2	transmembrane protein 2	0.57	0.00513 Mm.258163
Rfxank	regulatory factor X-associated ankyrin-containing protein	0.76	0.00513 Mm.298302
Git2	G protein-coupled receptor kinase-interactor 2	0.77	0.00513 Mm.195632
Egfl7	EGF-like domain 7	0.75	0.00517 Mm.268933
Gtf3a	general transcription factor III A	1.32	0.00523 Mm.29105
Myo1b	myosin IB	0.65	0.00524 Mm.3390
Wfs1	Wolfram syndrome 1 homolog (human)	1.22	0.00524 Mm.20916
Atp1b1	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide	1.39	0.00524 Mm.4550
Pla1a	phospholipase A1 member A	2.43	0.00525 Mm.279805
Cnk	cytokine inducible kinase	1.31	0.00526 Mm.269772
Sbno1	sno, strawberry notch homolog 1 (Drosophila)	1.39	0.00529 Mm.23879
Tie1	tyrosine kinase receptor 1	0.57	0.00541 Mm.4345
Sox18	SRY-box containing gene 18	0.65	0.00544 Mm.264904
Pmvk	phosphomevalonate kinase	1.42	0.00545 Mm.34242
Fjx1	four jointed box 1 (Drosophila)	1.54	0.00545 Mm.29730
Cryz	crystallin, zeta	0.67	0.00551 Mm.235152
Serpinh1	serine (or cysteine) proteinase inhibitor, clade H, member 1	1.60	0.00551 Mm.22708
Tm4sf8	transmembrane 4 superfamily member 8	1.27	0.00552 Mm.28484
Aig1	androgen-induced 1	0.77	0.00559 Mm.45755
Fgfr1	fibroblast growth factor receptor 1	1.48	0.0056 Mm.265716
Tnk1	tyrosine kinase, non-receptor, 1	0.75	0.00562 Mm.275935
Spop	speckle-type POZ protein	1.41	0.0057 Mm.285454
Ephx1	epoxide hydrolase 1, microsomal	0.64	0.00581 Mm.9075
Cldn4	claudin 4	2.00	0.00583 Mm.7339
Pdgfc	platelet-derived growth factor, C polypeptide	2.10	0.00584 Mm.40268
Hs6st1	heparan sulfate 6-O-sulfotransferase 1	1.31	0.00591 Mm.27195
Syng1	synaptogyrin 1	1.41	0.00591 Mm.230301
Desrt	developmentally and sexually retarded with transient immu	1.59	0.00591 Mm.270346
Pgam2	phosphoglycerate mutase 2	0.76	0.00596 Mm.219627
Ctps	cytidine 5'-triphosphate synthase	1.47	0.00597 Mm.1815
Pscd3	pleckstrin homology, Sec7 and coiled-coil domains 3	0.70	0.00604 Mm.281003

Tes	testis derived transcript	1.40	0.00604 Mm.279920
Soat1	sterol O-acyltransferase 1	2.46	0.00604 Mm.28099
Idb2	inhibitor of DNA binding 2	1.25	0.00606 Mm.34871
Stk10	serine/threonine kinase 10	0.74	0.00616 Mm.8235
Nup210	nucleoporin 210	0.61	0.00619 Mm.28162
Nsf	N-ethylmaleimide sensitive fusion protein	1.31	0.00619 Mm.69960
Cldn5	claudin 5	0.67	0.00623 Mm.22768
Ccr1	chemokine (C-C motif) receptor 1	1.90	0.00626 Mm.274927
Idb4	inhibitor of DNA binding 4	0.56	0.00627 Mm.283273
Gapd	glyceraldehyde-3-phosphate dehydrogenase	1.28	0.00631 Mm.5289
Ckmt2	creatine kinase, mitochondrial 2	0.62	0.00633 Mm.20240
Homer3	homer homolog 3 (Drosophila)	0.81	0.00635 Mm.10022
Cd2	CD2 antigen	0.62	0.00638 Mm.22842
Sprr1a	small proline-rich protein 1A	2.27	0.00638 Mm.625
Mal	myelin and lymphocyte protein, T-cell differentiation protein	1.79	0.00641 Mm.39040
Fbln5	fibulin 5	0.75	0.00643 Mm.288381
Cyp51	cytochrome P450, 51	1.44	0.00643 Mm.140158
Fcrl3	Fc receptor-like 3	1.32	0.00651 Mm.251254
Plce1	phospholipase C, epsilon 1	0.60	0.00658 Mm.34031
Man2b1	mannosidase 2, alpha B1	1.35	0.00658 Mm.4219
Cri1	CREBBP/EP300 inhibitory protein 1	1.58	0.00658 Mm.44244
Bat5	HLA-B associated transcript 5	1.35	0.00664 Mm.43745
Pgd	phosphogluconate dehydrogenase	1.32	0.00667 Mm.252080
Orc6l	origin recognition complex, subunit 6-like (S. cerevisiae)	1.27	0.0067 Mm.29709
Smo	smoothened homolog (Drosophila)	0.75	0.00671 Mm.29279
Socs4	suppressor of cytokine signaling 4	1.23	0.00672 Mm.91920
Dhx40	DEAH (Asp-Glu-Ala-His) box polypeptide 40	1.35	0.00672 Mm.260627
Mrpl49	mitochondrial ribosomal protein L49	0.80	0.00675 Mm.181290
Cldn2	claudin 2	1.61	0.00678 Mm.117068
Maff	v-maf musculoaponeurotic fibrosarcoma oncogene family, 1	1.52	0.00679 Mm.86646
Pps	putative phosphatase	0.72	0.00686 Mm.1458
Mrpl15	mitochondrial ribosomal protein L15	1.26	0.00686 Mm.182927
Aass	aminoadipate-semialdehyde synthase	0.70	0.0069 Mm.18651
Pltp	phospholipid transfer protein	0.60	0.00694 Mm.6105
Arfrp1	ADP-ribosylation factor related protein 1	0.72	0.00694 Mm.87720
Tcf21	transcription factor 21	0.49	0.00699 Mm.16497
Wtap	Wilms' tumour 1-associating protein	0.75	0.00699 Mm.275521

Ak1	adenylate kinase 1	1.31	0.00699 Mm.29189
Eps8	epidermal growth factor receptor pathway substrate 8	1.26	0.00706 Mm.235346
Syt14	synaptotagmin-like 4	0.74	0.00716 Mm.38674
Fancl	Fanconi anemia, complementation group L	0.82	0.00716 Mm.18875
Ap3s1	adaptor-related protein complex 3, sigma 1 subunit	1.20	0.00716 Mm.27171
Myo5a	myosin Va	1.74	0.00718 Mm.200292
Ankrd1	ankyrin repeat domain 1 (cardiac muscle)	0.67	0.00723 Mm.10279
Mtmr9	myotubularin related protein 9	0.72	0.00725 Mm.259107
Pkm2	pyruvate kinase, muscle	1.36	0.00726 Mm.151203
Ppp1r14a	protein phosphatase 1, regulatory (inhibitor) subunit 14A	0.61	0.00744 Mm.2343
Mme	membrane metallo endopeptidase	0.53	0.00752 Mm.296022
Ly86	lymphocyte antigen 86	1.75	0.00752 Mm.2639
Cdc42	cell division cycle 42 homolog (<i>S. cerevisiae</i>)	1.28	0.00753 Mm.1022
Bcl2l2	Bcl2-like 2	0.70	0.00767 Mm.6967
Epb4.111	erythrocyte protein band 4.1-like 1	0.78	0.00768 Mm.20852
Adh7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	1.43	0.00768 Mm.8473
Il18	interleukin 18	0.60	0.00773 Mm.1410
Ech1	enoyl coenzyme A hydratase 1, peroxisomal	0.64	0.00773 Mm.2112
Hyal2	hyaluronidase 2	0.80	0.00773 Mm.4834
Car11	carbonic anhydrase 11	0.82	0.00773 Mm.298093
Mt2	metallothionein 2	4.14	0.00773 Mm.147226
Gaa	glucosidase, alpha, acid	1.30	0.00774 Mm.4793
Fstl3	follicle-stimulating-like 3	1.45	0.00774 Mm.251710
Fscn1	fascin homolog 1, actin bundling protein (Strongylocentrotus purpuraceus)	1.86	0.00778 Mm.289707
Stard3	START domain containing 3	0.79	0.00782 Mm.265546
Alas2	aminolevulinic acid synthase 2, erythroid	0.46	0.00785 Mm.140509
Pon1	paraoxonase 1	0.50	0.00785 Mm.237657
Ugcg	UDP-glucose ceramide glucosyltransferase	1.28	0.00785 Mm.198803
Cp	ceruloplasmin	1.68	0.00786 Mm.13787
Hnrpc	heterogeneous nuclear ribonucleoprotein C	0.73	0.00788 Mm.274690
Itga9	integrin alpha 9	0.74	0.0079 Mm.10010
Hmgcs2	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2	0.77	0.0079 Mm.289131
Ptp4a3	protein tyrosine phosphatase 4a3	0.79	0.0079 Mm.153891
Sema7a	sema domain, immunoglobulin domain (Ig), and GPI member 7A	1.48	0.00792 Mm.288845
Bmx	BMX non-receptor tyrosine kinase	0.66	0.00793 Mm.504
Tmc4	transmembrane channel-like gene family 4	1.37	0.00793 Mm.195872
Cfh	complement component factor h	1.45	0.00795 Mm.8655

Tpcn1	two pore channel 1	0.79	0.00796 Mm.114054
Me2	malic enzyme 2, NAD(+)-dependent, mitochondrial	0.80	0.00798 Mm.36817
Cyp7b1	cytochrome P450, family 7, subfamily b, polypeptide 1	1.67	0.00799 Mm.278588
Plvap	plasmalemma vesicle associated protein	0.62	0.00806 Mm.34112
Bgn	biglycan	1.21	0.00809 Mm.2608
Amph	amphiphysin	0.67	0.00817 Mm.101650
Gucy1b3	guanylate cyclase 1, soluble, beta 3	1.59	0.00817 Mm.9445
Fbp1	fructose bisphosphatase 1	0.72	0.00818 Mm.246512
Map3k1	mitogen activated protein kinase kinase kinase 1	1.29	0.00818 Mm.15918
Aspa	aspartoacylase (aminoacylase) 2	0.78	0.0082 Mm.293574
Wdr1	WD repeat domain 1	1.20	0.0082 Mm.2654
Ccl17	chemokine (C-C motif) ligand 17	1.82	0.00821 Mm.41988
Stard8	START domain containing 8	0.78	0.00823 Mm.236928
Hist1h2bc	histone 1, H2bc	1.41	0.00823 Mm.261676
Dab2ip	disabled homolog 2 (Drosophila) interacting protein	0.78	0.0083 Mm.29629
Lif	leukemia inhibitory factor	1.48	0.00833 Mm.4964
Polg	polymerase (DNA directed), gamma	0.74	0.00839 Mm.3616
Ian1	immune associated nucleotide 1	0.55	0.00848 Mm.262146
Slc38a2	solute carrier family 38, member 2	1.47	0.00857 Mm.46754
Cstb	cystatin B	1.33	0.00859 Mm.6095
Anxa4	annexin A4	0.74	0.00869 Mm.259702
Tm4sf11	transmembrane 4 superfamily member 11	0.74	0.00871 Mm.281557
S100a4	S100 calcium binding protein A4	2.11	0.00876 Mm.3925
Vps4a	vacuolar protein sorting 4a (yeast)	0.73	0.00878 Mm.236004
Cspg2	chondroitin sulfate proteoglycan 2	1.95	0.00878 Mm.158700
Hhex	hematopoietically expressed homeobox	0.79	0.00879 Mm.33896
Gsta2	glutathione S-transferase, alpha 2 (Yc2)	0.58	0.00882 Mm.197422
Selp	selectin, platelet	1.33	0.00882 Mm.248316
Wnt2	wingless-related MMTV integration site 2	0.66	0.0089 Mm.33653
Cln8	ceroid-lipofuscinosis, neuronal 8	0.72	0.0089 Mm.132532
Gnpnat1	glucosamine-phosphate N-acetyltransferase 1	1.28	0.0089 Mm.233534
Tjp2	tight junction protein 2	0.61	0.00891 Mm.104744
Fxyd1	FXYP domain-containing ion transport regulator 1	0.69	0.00891 Mm.1491
Rgs19	regulator of G-protein signaling 19	1.36	0.00891 Mm.274366
Aox1	aldehyde oxidase 1	0.64	0.00896 Mm.26787
Cd24a	CD24a antigen	1.45	0.00896 Mm.6417
Cyp39a1	cytochrome P450, family 39, subfamily a, polypeptide 1	0.74	0.00898 Mm.17991

Cyp2j9	cytochrome P450, family 2, subfamily j, polypeptide 9	0.82	0.00898 Mm.87271
	38235 septin 5	1.44	0.00902 Mm.29976
Slc2a1	solute carrier family 2 (facilitated glucose transporter), mem	1.44	0.00902 Mm.21002
Gba2	glucosidase beta 2	0.73	0.00903 Mm.229444
Cdh5	cadherin 5	0.64	0.00909 Mm.21767
Fabp1	fatty acid binding protein 1, liver	0.51	0.00913 Mm.22126
Krt2-8	keratin complex 2, basic, gene 8	0.66	0.00918 Mm.289759
L1cam	L1 cell adhesion molecule	0.77	0.00923 Mm.260568
Cktsf1b1	cysteine knot superfamily 1, BMP antagonist 1	1.29	0.00923 Mm.166318
Baiap1	BAI1-associated protein 1	0.82	0.00924 Mm.285284
Slc37a3	solute carrier family 37 (glycerol-3-phosphate transporter), i	0.80	0.00927 Mm.277527
Plod1	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1	1.30	0.00937 Mm.37371
Agpt2	angiopoietin 2	0.72	0.00947 Mm.3425
Pacs1	phosphofurin acidic cluster sorting protein 1	0.80	0.00948 Mm.31392
Tbc1d1	TBC1 domain family, member 1	1.31	0.00948 Mm.286353
Slc35a1	solute carrier family 35 (CMP-sialic acid transporter), memt	0.67	0.00954 Mm.281885
Dgat2	diacylglycerol O-acyltransferase 2	0.74	0.00955 Mm.180189
Mtf2	metal response element binding transcription factor 2	1.31	0.00955 Mm.10563
St5	suppression of tumorigenicity 5	0.75	0.00957 Mm.252009
Pdk3	pyruvate dehydrogenase kinase, isoenzyme 3	1.29	0.00959 Mm.12775
Myo6	myosin VI	0.68	0.00961 Mm.4040
Fgfr2	fibroblast growth factor receptor 2	0.68	0.00965 Mm.16340
Sycp3	synaptonemal complex protein 3	0.61	0.00966 Mm.297977
Nr3c1	nuclear receptor subfamily 3, group C, member 1	0.78	0.0097 Mm.129481
Phxr5	per-hexamer repeat gene 5	0.52	0.00971 Mm.40447
Slfn8	schlafen 8	1.77	0.00971 Mm.270253
Glx2	glutaredoxin 2 (thioltransferase)	0.81	0.00978 Mm.272727
Bcl3	B-cell leukemia/lymphoma 3	1.39	0.00978 Mm.1068
Cyp4v3	cytochrome P450, family 4, subfamily v, polypeptide 3	0.72	0.0098 Mm.245297
Cdc42ep3	CDC42 effector protein (Rho GTPase binding) 3	0.75	0.0098 Mm.275926
Cebpb	CCAAT/enhancer binding protein (C/EBP), beta	1.34	0.00981 Mm.4863
Akp2	alkaline phosphatase 2, liver	0.60	0.00984 Mm.288186
Cox8b	cytochrome c oxidase, subunit VIIIb	0.67	0.00984 Mm.3841
Ecm1	extracellular matrix protein 1	1.66	0.00986 Mm.3433
H19	H19 fetal liver mRNA	0.44	0.00991 Mm.14802
Gak	cyclin G associated kinase	0.82	0.00993 Mm.27921
Pcm1	pericentriolar material 1	0.77	0.0101 Mm.117896

Mmp2	matrix metalloproteinase 2	1.44	0.0101 Mm.29564
Ntn4	netrin 4	0.66	0.0103 Mm.59574
Dcbl1	discoidin, CUB and LCCL domain containing 1	0.80	0.0103 Mm.62982
Cd86	CD86 antigen	1.21	0.0103 Mm.1452
Gja4	gap junction membrane channel protein alpha 4	0.63	0.0104 Mm.24615
Rgs3	regulator of G-protein signaling 3	0.76	0.0104 Mm.286753
Spic	Spi-C transcription factor (Spi-1/PU.1 related)	0.83	0.0104 Mm.21642
Fabp3	fatty acid binding protein 3, muscle and heart	0.58	0.0105 Mm.22220
Nrgn	neurogranin	0.60	0.0105 Mm.29857
Cspg4	chondroitin sulfate proteoglycan 4	1.36	0.0105 Mm.41329
Zfp102	zinc finger protein, multitype 2	1.34	0.0106 Mm.39496
Hist1h1c	histone 1, H1c	1.44	0.0106 Mm.193539
Ccl8	chemokine (C-C motif) ligand 8	2.07	0.0106 Mm.42029
Fgf1	fibroblast growth factor 1	0.62	0.0108 Mm.241282
Neo1	neogenin	0.72	0.0108 Mm.42249
Lrat	lecithin-retinol acyltransferase (phosphatidylcholine-retinol-)	0.50	0.0109 Mm.33921
Calm3	calmodulin 3	0.75	0.0109 Mm.288630
Tde1	tumor differentially expressed 1	1.23	0.0109 Mm.4962
Hfe	hemochromatosis	1.24	0.0109 Mm.2681
Surf4	surfeit gene 4	1.38	0.0109 Mm.196863
Hs2st1	heparan sulfate 2-O-sulfotransferase 1	0.70	0.011 Mm.12863
Zfp101	zinc finger protein 101	0.74	0.011 Mm.4417
Apbb3	amyloid beta (A4) precursor protein-binding, family B, mem	0.81	0.011 Mm.89673
Tex11	testis expressed gene 11	0.82	0.011 Mm.134024
Cml1	camello-like 1	0.84	0.011 Mm.13036
Asph	aspartate-beta-hydroxylase	1.29	0.011 Mm.239247
Tnfsf10	tumor necrosis factor (ligand) superfamily, member 10	0.55	0.0111 Mm.1062
Arhgef3	Rho guanine nucleotide exchange factor (GEF) 3	0.73	0.0111 Mm.207446
Nr1d1	nuclear receptor subfamily 1, group D, member 1	0.55	0.0112 Mm.193097
Cox6a2	cytochrome c oxidase, subunit VI a, polypeptide 2	0.74	0.0112 Mm.43824
Aif1	allograft inflammatory factor 1	1.56	0.0112 Mm.10747
Acp1	acid phosphatase 1, soluble	1.24	0.0113 Mm.171337
Whsc2	Wolf-Hirschhorn syndrome candidate 2 (human)	1.30	0.0113 Mm.71361
Cntn1	contactin 1	0.75	0.0114 Mm.4911
Edg2	endothelial differentiation, lysophosphatidic acid G-protein-	1.73	0.0114 Mm.4772
Mesdc1	mesoderm development candidate 1	0.75	0.0115 Mm.272998
MGC25972	similar to cytochrome P450, 4a10	0.78	0.0115 Mm.276106

Cox7a1	cytochrome c oxidase, subunit VIIa 1	0.70	0.0116 Mm.12907
Zfp61	zinc finger protein 61	0.78	0.0117 Mm.12832
Zfp62	KRAB-zinc finger protein 62	0.78	0.0118 Mm.295906
Pcdhb17	protocadherin beta 17	1.26	0.0118 Mm.87553
Bag3	Bcl2-associated athanogene 3	1.28	0.0118 Mm.84073
Cpxm1	carboxypeptidase X 1 (M14 family)	1.49	0.0118 Mm.149442
H2-Ea	histocompatibility 2, class II antigen E alpha	0.63	0.0119 Mm.15680
Siglec5	sialic acid binding Ig-like lectin 5	0.67	0.0119 Mm.290569
Notch1	Notch gene homolog 1 (Drosophila)	0.77	0.0119 Mm.290610
Nubp1	nucleotide binding protein 1	1.32	0.0119 Mm.248934
Cyb5	cytochrome b-5	0.75	0.012 Mm.31018
Pmp22	peripheral myelin protein	0.78	0.012 Mm.1237
Guk1	guanylate kinase 1	0.71	0.0121 Mm.3624
Gsn	gelsolin	0.71	0.0121 Mm.21109
Slc1a1	solute carrier family 1, member 1	0.75	0.0121 Mm.246670
Fhl1	four and a half LIM domains 1	0.78	0.0121 Mm.3126
Il21r	interleukin 21 receptor	1.24	0.0122 Mm.155643
Plunc	palate, lung, and nasal epithelium carcinoma associated	1.89	0.0122 Mm.268852
Pcolce2	procollagen C-endopeptidase enhancer 2	0.47	0.0123 Mm.46016
Trim11	tripartite motif protein 11	0.83	0.0123 Mm.248049
Ubc-rs2	ubiquitin C, related sequence 2	1.20	0.0123 Mm.295670
Rab17	RAB17, member RAS oncogene family	0.75	0.0124 Mm.279780
Xrn2	5'-3' exoribonuclease 2	0.81	0.0124 Mm.3065
Phka1	phosphorylase kinase alpha 1	0.82	0.0124 Mm.212889
Hexb	hexosaminidase B	1.40	0.0124 Mm.27816
Madh1	MAD homolog 1 (Drosophila)	1.41	0.0124 Mm.223717
Pde7a	phosphodiesterase 7A	1.63	0.0124 Mm.244900
Spp1	secreted phosphoprotein 1	1.75	0.0124 Mm.288474
Golph2	golgi phosphoprotein 2	1.20	0.0125 Mm.171335
Hdlbp	high density lipoprotein (HDL) binding protein	1.27	0.0125 Mm.30012
Ogfr	opioid growth factor receptor	1.33	0.0125 Mm.250418
Ptges	prostaglandin E synthase	1.40	0.0125 Mm.28768
Tnfrsf12a	tumor necrosis factor receptor superfamily, member 12a	1.80	0.0125 Mm.28518
Mt1	metallothionein 1	2.83	0.0125 Mm.192991
Pla2g6	phospholipase A2, group VI	0.82	0.0126 Mm.155620
Prf1	perforin 1 (pore forming protein)	0.77	0.0127 Mm.240313
Eno1	enolase 1, alpha non-neuron	1.40	0.0127 Mm.70666

Cdgap	Cdc42 GTPase-activating protein	0.59	0.0128 Mm.268397
Ppap2a	phosphatidic acid phosphatase 2a	0.68	0.0128 Mm.276039
Cyp27a1	cytochrome P450, family 27, subfamily a, polypeptide 1	0.69	0.0128 Mm.85083
Spata13	spermatogenesis associated 13	0.73	0.0128 Mm.149776
Dnase1l3	deoxyribonuclease 1-like 3	0.76	0.0128 Mm.272258
Cav	caveolin, caveolae protein	0.77	0.0128 Mm.28278
Sema3b	sema domain, immunoglobulin domain (Ig), short basic don	0.79	0.0128 Mm.4083
Enah	enabled homolog (Drosophila)	1.20	0.0128 Mm.87759
Rnf128	ring finger protein 128	1.39	0.0128 Mm.27764
Dkk3	dickkopf homolog 3 (Xenopus laevis)	1.47	0.0128 Mm.55143
Lox1l	lysyl oxidase-like 1	1.49	0.0128 Mm.250492
Fpr1	formyl peptide receptor 1	0.66	0.0131 Mm.56951
Nfkbil1	nuclear factor of kappa light polypeptide gene enhancer in l	0.83	0.0131 Mm.100226
Thsd1	thrombospondin, type I, domain 1	0.84	0.0131 Mm.32067
Ccnh	cyclin H	1.24	0.0131 Mm.18474
Lrp1	low density lipoprotein receptor-related protein 1	1.33	0.0132 Mm.271854
Wnt4	wingless-related MMTV integration site 4	1.35	0.0132 Mm.20355
Rgs5	regulator of G-protein signaling 5	1.39	0.0132 Mm.20954
Pcmt1	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	1.50	0.0132 Mm.258431
Igfbp2	insulin-like growth factor binding protein 2	0.66	0.0133 Mm.141936
Akr1c12	aldo-keto reductase family 1, member C12	1.23	0.0133 Mm.89993
Irf5	interferon regulatory factor 5	1.30	0.0133 Mm.6479
Car3	carbonic anhydrase 3	0.53	0.0134 Mm.300
Pdcd1lg1	programmed cell death 1 ligand 1	0.74	0.0134 Mm.245363
Prim1	DNA primase, p49 subunit	0.76	0.0134 Mm.2903
Abcb10	ATP-binding cassette, sub-family B (MDR/TAP), member 10	0.80	0.0134 Mm.274243
Nit1	nitrilase 1	0.83	0.0134 Mm.12915
Dad1	defender against cell death 1	1.37	0.0134 Mm.2547
Il6	interleukin 6	1.70	0.0134 Mm.1019
Col4a6	procollagen, type IV, alpha 6	0.81	0.0135 Mm.155586
Cbfa2t1h	CBFA2T1 identified gene homolog (human)	0.82	0.0135 Mm.4909
Tmem8	transmembrane protein 8 (five membrane-spanning domair	0.76	0.0136 Mm.143826
Stard13	serologically defined colon cancer antigen 13	0.77	0.0136 Mm.270916
Amotl2	angiomin like 2	0.78	0.0136 Mm.21145
Ms4a8a	membrane-spanning 4-domains, subfamily A, member 8A	1.31	0.0136 Mm.248501
Crlf1	cytokine receptor-like factor 1	1.33	0.0136 Mm.116700
Arhg	ras homolog gene family, member G	1.38	0.0136 Mm.259795

Heyl	hairy/enhancer-of-split related with YRPW motif-like	1.44	0.0136 Mm.103615
Luc7l2	LUC7-like 2 (<i>S. cerevisiae</i>)	2.50	0.0136 Mm.170182
Nova1	neuro-oncological ventral antigen 1	0.79	0.0138 Mm.247195
Col7a1	procollagen, type VII, alpha 1	1.27	0.0138 Mm.6200
Bcar3	breast cancer anti-estrogen resistance 3	0.75	0.0141 Mm.45815
Slc1a3	solute carrier family 1, member 3	0.77	0.0141 Mm.204834
Meox1	mesenchyme homeobox 1	1.26	0.0141 Mm.3404
Gas7	growth arrest specific 7	1.30	0.0141 Mm.40338
Col4a1	procollagen, type IV, alpha 1	1.32	0.0142 Mm.738
Ltbp4	latent transforming growth factor beta binding protein 4	0.59	0.0143 Mm.272251
Cldn8	claudin 8	0.67	0.0143 Mm.25836
H2-Q1	histocompatibility 2, Q region locus 1	1.29	0.0143 Mm.214762
Tm7sf3	transmembrane 7 superfamily member 3	0.69	0.0144 Mm.173324
Ctdspl	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide)	0.72	0.0144 Mm.28747
H2-M3	histocompatibility 2, M region locus 3	1.28	0.0144 Mm.14437
Wbp1	WW domain binding protein 1	0.80	0.0146 Mm.1109
Nxn	nucleoredoxin	0.83	0.0146 Mm.217062
Nmnat	NMN adenylyltransferase; nicotinamide mononucleotide adenylyltransferase	0.86	0.0146 Mm.76062
Dbn1	drebrin 1	1.28	0.0146 Mm.19016
Rassf3	Ras association (RalGDS/AF-6) domain family 3	0.60	0.0147 Mm.41265
Zfp346	zinc finger protein 346	0.74	0.0147 Mm.22795
Gpr56	G protein-coupled receptor 56	1.30	0.0147 Mm.290834
Thbs3	thrombospondin 3	0.52	0.0148 Mm.2114
Hnrpdl	heterogeneous nuclear ribonucleoprotein D-like	0.74	0.0148 Mm.259113
H2-Ke6	H2-K region expressed gene 6	0.80	0.0148 Mm.275452
Clstn1	calsyntenin 1	0.68	0.0149 Mm.38993
Esrrb1	estrogen-related receptor beta like 1	0.78	0.0149 Mm.241276
Taf1a	TATA box binding protein (Tbp)-associated factor, RNA polymerase II	0.81	0.0149 Mm.39081
Rad23b	RAD23b homolog (<i>S. cerevisiae</i>)	1.27	0.0149 Mm.196846
Hk2	hexokinase 2	1.33	0.0149 Mm.255848
Galnt3	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyltransferase 3	1.20	0.015 Mm.38441
Gng12	guanine nucleotide binding protein (G protein), gamma 12	1.28	0.015 Mm.13080
Sdfr2	stromal cell derived factor receptor 2	1.36	0.015 Mm.66293
Timp3	tissue inhibitor of metalloproteinase 3	0.69	0.0151 Mm.132958
Bambi	BMP and activin membrane-bound inhibitor, homolog (Xenopus)	0.71	0.0151 Mm.284863
Arpc4	actin related protein 2/3 complex, subunit 4	1.28	0.0151 Mm.289306
Hif1a	hypoxia inducible factor 1, alpha subunit	1.44	0.0151 Mm.3879

Dnmt2	DNA methyltransferase 2	0.76	0.0152 Mm.6979
Spna2	spectrin alpha 2	0.77	0.0152 Mm.295950
Ereg	epiregulin	2.57	0.0152 Mm.4791
Myl7	myosin, light polypeptide 7, regulatory	0.58	0.0153 Mm.46514
Epha3	Eph receptor A3	1.36	0.0153 Mm.1977
Tdo2	tryptophan 2,3-dioxygenase	1.41	0.0153 Mm.258622
Gpc4	glypican 4	1.41	0.0153 Mm.1528
Ptx3	pentaxin related gene	1.48	0.0153 Mm.276776
Rpl31	ribosomal protein L31	1.35	0.0154 Mm.285021
Lgals1	lectin, galactose binding, soluble 1	1.51	0.0154 Mm.43831
Enpp1	ectonucleotide pyrophosphatase/phosphodiesterase 1	1.24	0.0156 Mm.27254
Eif3s10	eukaryotic translation initiation factor 3, subunit 10 (theta)	1.31	0.0157 Mm.259617
Pcx	pyruvate carboxylase	1.27	0.0158 Mm.1845
Grn	granulin	1.24	0.0159 Mm.238941
Ndufb8	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 8	1.30	0.0159 Mm.2060
Rps6	ribosomal protein S6	1.39	0.0159 Mm.292504
Leprotl1	leptin receptor overlapping transcript-like 1	1.22	0.016 Mm.34212
Acta2	actin, alpha 2, smooth muscle, aorta	1.39	0.016 Mm.213025
F3	coagulation factor III	1.80	0.016 Mm.273188
Parg	poly (ADP-ribose) glycohydrolase	1.19	0.0162 Mm.15962
Tpm1	tropomyosin 1, alpha	1.21	0.0162 Mm.121878
Pigf	phosphatidylinositol glycan, class F	0.77	0.0163 Mm.219685
Zdhhc14	zinc finger, DHHC domain containing 14	0.78	0.0163 Mm.268326
Edem1	ER degradation enhancer, mannosidase alpha-like 1	1.21	0.0163 Mm.21596
Rnf141	ring finger protein 141	0.75	0.0164 Mm.268926
Tgfb1i4	transforming growth factor beta 1 induced transcript 4	0.80	0.0164 Mm.20927
Plxnd1	plexin D1	0.69	0.0165 Mm.290923
Rassf2	Ras association (RalGDS/AF-6) domain family 2	0.77	0.0165 Mm.204737
Hps3	Hermansky-Pudlak syndrome 3 homolog (human)	0.79	0.0165 Mm.291533
Jam2	junction adhesion molecule 2	1.31	0.0165 Mm.41758
Rgs6	regulator of G-protein signaling 6	0.79	0.0166 Mm.153013
C5r1	complement component 5, receptor 1	1.43	0.0166 Mm.137488
Hspa1a	heat shock protein 1A	1.54	0.0166 Mm.275405
Tek	endothelial-specific receptor tyrosine kinase	0.69	0.0167 Mm.14313
Cyp2f2	cytochrome P450, family 2, subfamily f, polypeptide 2	0.69	0.0168 Mm.298104
Aldh2	aldehyde dehydrogenase 2, mitochondrial	0.76	0.0168 Mm.284446
Cdv3	carnitine deficiency-associated gene expressed in ventricle	1.24	0.0168 Mm.167827

Ptpn1	protein tyrosine phosphatase, non-receptor type 1	1.29	0.0168 Mm.277916
Rasgrp2	RAS, guanyl releasing protein 2	0.81	0.0169 Mm.77017
Ndr1	N-myc downstream regulated 1	1.19	0.0169 Mm.30837
Ube2g2	ubiquitin-conjugating enzyme E2G 2	1.42	0.0169 Mm.29352
Rbm6	RNA binding motif protein 6	0.84	0.017 Mm.139926
Pim1	proviral integration site 1	1.75	0.017 Mm.269678
Dnajc3	DnaJ (Hsp40) homolog, subfamily C, member 3	1.39	0.0171 Mm.12616
Clecsf5	C-type (calcium dependent, carbohydrate-recognition dom	1.44	0.0171 Mm.103765
Nup50	nucleoporin 50	1.29	0.0172 Mm.28379
Sqrdl	sulfide quinone reductase-like (yeast)	0.76	0.0173 Mm.28986
Pirb	paired-Ig-like receptor B	1.43	0.0173 Mm.3189
Stxbp1	syntaxin binding protein 1	0.74	0.0174 Mm.278865
Trem3	triggering receptor expressed on myeloid cells 3	0.76	0.0174 Mm.117124
Sipa1	signal-induced proliferation associated gene 1	0.78	0.0174 Mm.3072
Lama5	laminin, alpha 5	1.22	0.0174 Mm.4339
H13	histocompatibility 13	1.27	0.0174 Mm.277327
Capg	capping protein (actin filament), gelsolin-like	1.42	0.0174 Mm.18626
Ddr2	discoidin domain receptor family, member 2	1.55	0.0174 Mm.4999
Ptprm	protein tyrosine phosphatase, receptor type, M	0.66	0.0175 Mm.243935
Uble1a	ubiquitin-like 1 (sentrin) activating enzyme E1A	0.78	0.0175 Mm.258530
Sec61a1	Sec61 alpha 1 subunit (S. cerevisiae)	1.27	0.0175 Mm.28375
Ifi203	interferon activated gene 203	0.60	0.0176 Mm.277332
Gstt1	glutathione S-transferase, theta 1	0.65	0.0176 Mm.2746
Capn3	calpain 3	0.78	0.0176 Mm.20863
Myo18a	myosin XVIIIa	0.82	0.0176 Mm.250799
Scamp2	secretory carrier membrane protein 2	1.21	0.0176 Mm.295392
Steap	six transmembrane epithelial antigen of the prostate	1.22	0.0176 Mm.85429
C1qtnf5	C1q and tumor necrosis factor related protein 5	1.26	0.0176 Mm.227110
Rpl13a	ribosomal protein L13a	1.26	0.0176 Mm.180458
Msr1	macrophage scavenger receptor 1	1.40	0.0176 Mm.239291
Otub1	OTU domain, ubiquitin aldehyde binding 1	1.98	0.0176 Mm.203921
Hagh	hydroxyacyl glutathione hydrolase	0.80	0.0178 Mm.44240
Igj	immunoglobulin joining chain	0.38	0.0179 Mm.1192
Dnpep	aspartyl aminopeptidase	1.32	0.0179 Mm.252390
Kcne4	potassium voltage-gated channel, Isk-related subfamily, ge	1.38	0.0179 Mm.24386
Rod1	ROD1 regulator of differentiation 1 (S. pombe)	1.43	0.0179 Mm.158801
Enc1	ectodermal-neural cortex 1	1.47	0.018 Mm.241073

Dgka	diacylglycerol kinase, alpha	0.80	0.0183 Mm.291235
Ppfia4	protein tyrosine phosphatase, receptor type, f polypeptide (1.26	0.0183 Mm.295105
Ctgf	connective tissue growth factor	1.52	0.0183 Mm.1810
Stxbp6	syntaxin binding protein 6 (amisyn)	0.76	0.0184 Mm.285400
Sgcg	sarcoglycan, gamma (dystrophin-associated glycoprotein)	0.84	0.0184 Mm.72173
Sdc4	syndecan 4	1.84	0.0185 Mm.3815
Ager	advanced glycosylation end product-specific receptor	0.82	0.0186 Mm.3383
Esam1	endothelial cell-specific adhesion molecule	0.78	0.0188 Mm.41751
Fcer2a	Fc receptor, IgE, low affinity II, alpha polypeptide	0.79	0.0188 Mm.1233
Mcpt4	mast cell protease 4	0.80	0.0188 Mm.22693
Map2k6	mitogen activated protein kinase kinase 6	0.82	0.0188 Mm.14487
Pou6f1	POU domain, class 6, transcription factor 1	0.83	0.0188 Mm.28825
Cideb	cell death-inducing DNA fragmentation factor, alpha subuni	0.85	0.0188 Mm.10737
Mpp5	membrane protein, palmitoylated 5 (MAGUK p55 subfamily	0.72	0.0189 Mm.30561
Nin	ninein	0.75	0.0189 Mm.244047
Igsf4	immunoglobulin superfamily, member 4	0.80	0.0189 Mm.275051
Hip2	huntingtin interacting protein 2	1.22	0.0189 Mm.263318
Lrba	LPS-responsive beige-like anchor	0.79	0.019 Mm.239927
Sgpl1	sphingosine phosphate lyase 1	1.24	0.019 Mm.200373
Cklfsf7	chemokine-like factor super family 7	1.25	0.019 Mm.35600
Obrgp	leptin receptor gene-related protein	1.30	0.019 Mm.4756
Ptprg	protein tyrosine phosphatase, receptor type, G	1.35	0.019 Mm.228269
Il4ra	interleukin 4 receptor, alpha	1.36	0.019 Mm.233802
Cdh11	cadherin 11	1.43	0.019 Mm.1571
H2afz	H2A histone family, member Z	1.67	0.019 Mm.117541
Psmb9	proteasome (prosome, macropain) subunit, beta type 9 (lar	0.62	0.0193 Mm.16251
Slc9a3r2	solute carrier family 9 (sodium/hydrogen exchanger), isoform	0.72	0.0193 Mm.21587
Zfx1a	zinc finger homeobox 1a	0.77	0.0193 Mm.3929
Oprs1	opioid receptor, sigma 1	1.24	0.0193 Mm.22745
Cmkor1	chemokine orphan receptor 1	1.49	0.0193 Mm.6522
Itpa	inosine triphosphatase (nucleoside triphosphate pyrophosp	1.19	0.0194 Mm.21399
Kit	kit oncogene	0.64	0.0195 Mm.247073
Dscr6	Down syndrome critical region homolog 6 (human)	0.73	0.0195 Mm.42604
Ccndbp1	cyclin D-type binding-protein 1	0.77	0.0195 Mm.7838
Unc5c	unc-5 homolog C (C. elegans)	0.83	0.0195 Mm.190874
Actr3	ARP3 actin-related protein 3 homolog (yeast)	1.34	0.0195 Mm.183102
Lmod2	leiomodoin 2 (cardiac)	0.77	0.0196 Mm.250540

Pdgfra	platelet derived growth factor receptor, alpha polypeptide	1.69	0.0196 Mm.221403
S100a11	S100 calcium binding protein A11 (calizzarin)	1.23	0.0197 Mm.280038
Myc	myelocytomatosis oncogene	1.51	0.0201 Mm.2444
Casp9	caspase 9	0.76	0.0202 Mm.88829
Park2	parkin	0.80	0.0202 Mm.42046
Rps13	ribosomal protein S13	1.40	0.0202 Mm.14798
Pip5k1a	phosphatidylinositol-4-phosphate 5-kinase, type 1 alpha	0.84	0.0204 Mm.1945
Slc7a4	solute carrier family 7 (cationic amino acid transporter, y+ s	0.81	0.0205 Mm.254617
Psmd13	proteasome (prosome, macropain) 26S subunit, non-ATPase	1.28	0.0206 Mm.29760
Cd8b	CD8 antigen, beta chain	1.28	0.0206 Mm.298096
Flt1	FMS-like tyrosine kinase 1	0.79	0.0207 Mm.241483
Thbs2	thrombospondin 2	1.27	0.0207 Mm.26688
Sod1	superoxide dismutase 1, soluble	0.63	0.0208 Mm.5274
Cdh2	cadherin 2	0.80	0.0208 Mm.257437
Lamp2	lysosomal membrane glycoprotein 2	1.63	0.0208 Mm.486
Cd151	CD151 antigen	0.85	0.0209 Mm.30246
Mrp13	mitochondrial ribosomal protein L3	1.35	0.021 Mm.29746
Gabarapl1	gamma-aminobutyric acid (GABA(A)) receptor-associated protein 1	0.77	0.0211 Mm.14638
Ube2i	ubiquitin-conjugating enzyme E2I	0.85	0.0211 Mm.240044
Mb	myoglobin	0.50	0.0212 Mm.201606
Smarcal1	Swi/SNF related matrix associated, actin dependent regulator of chromatin 1-like class 1 member A	0.78	0.0212 Mm.274232
Eef1a2	eukaryotic translation elongation factor 1 alpha 2	0.84	0.0212 Mm.212612
Eif2ak1	eukaryotic translation initiation factor 2 alpha kinase 1	1.25	0.0212 Mm.298145
Vamp8	vesicle-associated membrane protein 8	1.31	0.0212 Mm.1838
Ppicap	peptidylprolyl isomerase C-associated protein	1.36	0.0212 Mm.3152
Lepr	leptin receptor	0.56	0.0213 Mm.259282
Ckm	creatine kinase, muscle	0.63	0.0213 Mm.2375
Dgkz	diacylglycerol kinase zeta	0.76	0.0213 Mm.295226
Zfp1	zinc finger protein, multitype 1	1.22	0.0213 Mm.3105
Phlda1	pleckstrin homology-like domain, family A, member 1	1.40	0.0213 Mm.3117
Timp2	tissue inhibitor of metalloproteinase 2	1.22	0.0214 Mm.206505
Fech	ferrochelatase	0.70	0.0215 Mm.217130
Alb1	albumin 1	0.81	0.0215 Mm.16773
Cmah	cytidine monophospho-N-acetylneuraminic acid hydroxylase	1.53	0.0215 Mm.8396
Hdac11	histone deacetylase 11	0.71	0.0216 Mm.206218
Abcb1a	ATP-binding cassette, sub-family B (MDR/TAP), member 1	0.66	0.0217 Mm.16086
Tle2	transducin-like enhancer of split 2, homolog of Drosophila E	0.66	0.0217 Mm.38608

Lamc2	laminin, gamma 2	1.23	0.0217 Mm.4717
Mic2l1	MIC2 (monoclonal Imperial Cancer Research Fund 2)-like 1	0.81	0.0218 Mm.283879
Cdkn1a	cyclin-dependent kinase inhibitor 1A (P21)	1.64	0.0218 Mm.195663
Gpc1	glypican 1	1.36	0.022 Mm.24193
Dctn6	dynactin 6	1.51	0.022 Mm.90496
Jmj	jumonji	0.72	0.0222 Mm.25059
Dscr5	Down syndrome critical region homolog 5 (human)	0.74	0.0222 Mm.39490
Aldh1a1	aldehyde dehydrogenase family 1, subfamily A1	0.76	0.0222 Mm.4514
Zfp261	zinc finger protein 261	0.84	0.0223 Mm.23458
Mrpl16	mitochondrial ribosomal protein L16	0.65	0.0224 Mm.203928
Pccb	propionyl Coenzyme A carboxylase, beta polypeptide	0.84	0.0224 Mm.21079
Chl1	close homolog of L1	1.63	0.0224 Mm.251288
Prg4	proteoglycan 4 (megakaryocyte stimulating factor, articular)	1.65	0.0225 Mm.212696
Camk2g	calcium/calmodulin -dependent protein kinase II gamma	0.80	0.0226 Mm.235182
Hrg	histidine-rich glycoprotein	1.29	0.0226 Mm.2160
Bzrp	benzodiazepine receptor, peripheral	1.31	0.0226 Mm.1508
C1qtnf1	C1q and tumor necrosis factor related protein 1	1.44	0.0226 Mm.23845
Fin15	fibroblast growth factor inducible 15	1.60	0.0227 Mm.3421
Angptl4	angiopoietin-like 4	1.70	0.0227 Mm.196189
Es22	esterase 22	0.80	0.0228 Mm.63490
Btg1	B-cell translocation gene 1, anti-proliferative	1.26	0.0228 Mm.272183
Ptp4a2	protein tyrosine phosphatase 4a2	1.36	0.0228 Mm.193688
Cbr2	carbonyl reductase 2	0.80	0.0229 Mm.21454
Gzma	granzyme A	0.45	0.023 Mm.15510
Calb3	calbindin 3, (vitamin D-dependent calcium binding protein)	0.67	0.023 Mm.6891
Erb2ip	Erb2 interacting protein	0.73	0.023 Mm.277354
Ezh1	enhancer of zeste homolog 1 (Drosophila)	0.81	0.023 Mm.5027
Itga5	integrin alpha 5 (fibronectin receptor alpha)	1.62	0.023 Mm.16234
Cited2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carbox	0.71	0.0231 Mm.272321
Stard4	StAR-related lipid transfer (START) domain containing 4	0.76	0.0231 Mm.127058
Ccl19	chemokine (C-C motif) ligand 19	1.22	0.0231 Mm.299018
Capzb	capping protein (actin filament) muscle Z-line, beta	1.25	0.0231 Mm.2945
Lama1	laminin, alpha 1	1.40	0.0231 Mm.243
Zfp100	zinc finger protein 100	1.23	0.0233 Mm.4340
Dcamk1	double cortin and calcium/calmodulin-dependent protein kinase	1.26	0.0235 Mm.258673
Tnfrsf1b	tumor necrosis factor receptor superfamily, member 1b	1.38	0.0235 Mm.235328
Adrb1	adrenergic receptor, beta 1	0.67	0.0237 Mm.46797

Wif1	Wnt inhibitory factor 1	0.82	0.0238 Mm.32831
Oaz2	ornithine decarboxylase antizyme 2	0.79	0.0241 Mm.116749
Pvrl2	poliovirus receptor-related 2	1.31	0.0241 Mm.4341
Marcks	myristoylated alanine rich protein kinase C substrate	1.49	0.0241 Mm.30059
Rab3a	RAB3A, member RAS oncogene family	0.80	0.0242 Mm.5083
Vezf1	vascular endothelial zinc finger 1	0.70	0.0243 Mm.46628
Rbpsuh	recombining binding protein suppressor of hairless (Drosop	1.20	0.0243 Mm.209292
Grb10	growth factor receptor bound protein 10	1.30	0.0243 Mm.273117
Pik3r4	phosphatidylinositol 3 kinase, regulatory subunit, polypeptic	1.44	0.0243 Mm.297473
MGC66590	Unknown (protein for MGC:66590)	1.46	0.0243 Mm.269418
Prdm1	PR domain containing 1, with ZNF domain	0.73	0.0244 Mm.4800
Pelo	pelota homolog (Drosophila)	0.80	0.0244 Mm.268176
Tnfsf12	tumor necrosis factor (ligand) superfamily, member 12	0.86	0.0244 Mm.8983
Eef1e1	eukaryotic translation elongation factor 1 epsilon 1	1.25	0.0244 Mm.36683
Rab32	RAB32, member RAS oncogene family	1.26	0.0244 Mm.31486
Actr1b	ARP1 actin-related protein 1 homolog B (yeast)	1.31	0.0244 Mm.28521
Ets1	E26 avian leukemia oncogene 1, 5' domain	0.67	0.0245 Mm.292415
Gga2	golgi associated, gamma adaptin ear containing, ARF bindi	0.84	0.0245 Mm.29619
Rps8	ribosomal protein S8	1.31	0.0245 Mm.309793
Lmcd1	LIM and cysteine-rich domains 1	1.49	0.0245 Mm.234441
Itga6	integrin alpha 6	1.60	0.0246 Mm.225096
Slc40a1	solute carrier family 40 (iron-regulated transporter), membe	0.80	0.0247 Mm.28756
Nptx1	neuronal pentraxin 1	1.23	0.0247 Mm.5142
Col4a2	procollagen, type IV, alpha 2	1.25	0.0248 Mm.181021
Adam15	a disintegrin and metalloproteinase domain 15 (metargidin)	1.26	0.0248 Mm.172610
Cd5l	CD5 antigen-like	1.42	0.0248 Mm.6676
Ivd	isovaleryl coenzyme A dehydrogenase	0.80	0.0249 Mm.6635
Brd8	bromodomain containing 8	0.84	0.0249 Mm.45602
Cyb561	cytochrome b-561	1.24	0.0249 Mm.149403
Psa	puromycin-sensitive aminopeptidase	1.26	0.0249 Mm.29824
Ptpn12	protein tyrosine phosphatase, non-receptor type 12	1.27	0.0249 Mm.228533
Pgf	placental growth factor	1.33	0.0249 Mm.4809
Znhit1	zinc finger, HIT domain containing 1	1.43	0.0249 Mm.273147
Slc6a4	solute carrier family 6 (neurotransmitter transporter, serotor	0.67	0.025 Mm.3907
Zfp288	zinc finger protein 288	0.68	0.025 Mm.211212
Ypel1	yippee-like 1 (Drosophila)	0.84	0.025 Mm.237941
Snx2	sorting nexin 2	1.30	0.025 Mm.252171

Nr1d2	nuclear receptor subfamily 1, group D, member 2	0.57	0.0251 Mm.26587
Pde4b	phosphodiesterase 4B, cAMP specific	0.65	0.0251 Mm.124710
Spata6	spermatogenesis associated 6	1.23	0.0252 Mm.275526
Ssr1	signal sequence receptor, alpha	0.75	0.0254 Mm.138725
Cpeb4	cytoplasmic polyadenylation element binding protein 4	1.28	0.0255 Mm.23178
Spock2	sparc/osteonectin, cwcv and kazal-like domains proteoglyc:	0.67	0.0256 Mm.153429
Myo10	myosin X	0.75	0.0256 Mm.60590
Numb	numb gene homolog (Drosophila)	0.77	0.0256 Mm.4390
Invs	inversin	0.81	0.0256 Mm.110147
Tce4	T-complex expressed gene 4	0.81	0.0256 Mm.277304
Cops5	COP9 (constitutive photomorphogenic) homolog, subunit 5	1.21	0.0257 Mm.242459
Fbxl12	F-box and leucine-rich repeat protein 12	0.82	0.0259 Mm.24608
Copa	coatamer protein complex subunit alpha	1.22	0.026 Mm.30041
Mmp15	matrix metalloproteinase 15	0.63	0.0263 Mm.217116
Hsd11b1	hydroxysteroid 11-beta dehydrogenase 1	0.75	0.0263 Mm.28328
Aqp5	aquaporin 5	0.77	0.0263 Mm.45580
Cnn3	calponin 3, acidic	0.78	0.0263 Mm.275555
Ppic	peptidylprolyl isomerase C	1.21	0.0263 Mm.4587
Tnni3	troponin I, cardiac	0.57	0.0264 Mm.604
Lst1	leukocyte specific transcript 1	0.69	0.0267 Mm.19379
Mthfd2	methylenetetrahydrofolate dehydrogenase (NAD+ depende	1.41	0.0267 Mm.443
Surf1	surfeit gene 1	0.75	0.0268 Mm.6874
Rps6ka2	ribosomal protein S6 kinase, polypeptide 2	0.80	0.0268 Mm.268383
Hak	heart alpha-kinase	0.85	0.0268 Mm.296528
Igh-VJ558	immunoglobulin heavy chain (J558 family)	0.47	0.0269 Mm.240437
Pon3	paraoxonase 3	0.73	0.0269 Mm.9122
Epb4.1l4a	erythrocyte protein band 4.1-like 4a	0.80	0.0269 Mm.3465
Crk	v-crk sarcoma virus CT10 oncogene homolog (avian)	0.84	0.027 Mm.280125
Uap1	UDP-N-acetylglucosamine pyrophosphorylase 1	1.28	0.027 Mm.27969
Eif5	eukaryotic translation initiation factor 5	1.28	0.027 Mm.271222
Osbpl1a	oxysterol binding protein-like 1A	0.79	0.0271 Mm.259470
Gcl	germ cell-less homolog (Drosophila)	0.81	0.0271 Mm.74594
Efnb1	ephrin B1	0.82	0.0271 Mm.3374
Pcbp3	poly(rC) binding protein 3	0.86	0.0271 Mm.272803
Inpp5d	inositol polyphosphate-5-phosphatase D	1.24	0.0271 Mm.15105
Snap23	synaptosomal-associated protein 23	1.48	0.0271 Mm.245715
Adamts15	a disintegrin-like and metalloprotease (reprolysin type) with	1.55	0.0271 Mm.65867

Sort1	sortilin 1	0.77	0.0272 Mm.157119
Sec23ip	Sec23 interacting protein	1.18	0.0272 Mm.21163
Insl3	insulin-like 3	1.24	0.0272 Mm.249645
Spib	Spi-B transcription factor (Spi-1/PU.1 related)	0.74	0.0275 Mm.8012
G22p1	thyroid autoantigen	1.19	0.0275 Mm.288809
Prdx5	peroxiredoxin 5	1.25	0.0275 Mm.279782
Adm	adrenomedullin	1.89	0.0275 Mm.1408
Eif4ebp1	eukaryotic translation initiation factor 4E binding protein 1	1.33	0.0276 Mm.6700
Trpm7	transient receptor potential cation channel, subfamily M, mem	1.41	0.0276 Mm.244705
Akap12	A kinase (PRKA) anchor protein (gravin) 12	0.68	0.0279 Mm.27481
Kcnd2	potassium voltage-gated channel, Shal-related family, mem	0.84	0.0279 Mm.132309
Ggps1	geranylgeranyl diphosphate synthase 1	1.31	0.0279 Mm.148039
Crip1	cysteine-rich protein 1 (intestinal)	0.74	0.028 Mm.272368
Hdac5	histone deacetylase 5	0.81	0.028 Mm.22665
Als2	amyotrophic lateral sclerosis 2 (juvenile) homolog (human)	0.83	0.0283 Mm.272078
Sfpq	splicing factor proline/glutamine rich (polypyrimidine tract bi	1.23	0.0283 Mm.277094
Pak1	p21 (CDKN1A)-activated kinase 1	1.25	0.0283 Mm.260227
Slc25a4	solute carrier family 25 (mitochondrial carrier; adenine nucle	1.29	0.0283 Mm.16228
Hspb1	heat shock protein 1	1.40	0.0283 Mm.13849
Tirap	toll-interleukin 1 receptor (TIR) domain-containing adaptor p	0.70	0.0284 Mm.23987
Cyp2e1	cytochrome P450, family 2, subfamily e, polypeptide 1	0.61	0.0285 Mm.21758
Bzw1	basic leucine zipper and W2 domains 1	1.24	0.0285 Mm.21848
Npr2	natriuretic peptide receptor 2	0.74	0.0287 Mm.103477
Ccnl2	cyclin L2	0.79	0.0287 Mm.23492
Adrb3	adrenergic receptor, beta 3	0.81	0.0287 Mm.278475
Nrbf2	nuclear receptor binding factor 2	1.30	0.0287 Mm.136223
Pdgfrb	platelet derived growth factor receptor, beta polypeptide	1.35	0.0287 Mm.4146
Hrmt111	heterogeneous nuclear ribonucleoprotein methyltransferase	0.78	0.0288 Mm.32020
Slfn4	schlafen 4	0.49	0.0289 Mm.38192
Zfp57	zinc finger protein 57	0.78	0.0289 Mm.21362
Foxa2	forkhead box A2	0.83	0.0289 Mm.938
Slc11a1	solute carrier family 11 (proton-coupled divalent metal ion tra	1.22	0.0289 Mm.2913
Wbscr5	Williams-Beuren syndrome chromosome region 5 homolog	1.28	0.0289 Mm.23955
Pappa	pregnancy-associated plasma protein A	1.59	0.0289 Mm.103481
Tcap	titin-cap	0.62	0.029 Mm.10762
Man2a1	mannosidase 2, alpha 1	1.30	0.0292 Mm.2433
Sh3gl3	SH3-domain GRB2-like 3	0.82	0.0293 Mm.736

Mbp	myelin basic protein	0.82	0.0294 Mm.252063
Dbccr1	deleted in bladder cancer chromosome region candidate 1	1.27	0.0294 Mm.248788
Rab20	RAB20, member RAS oncogene family	1.42	0.0294 Mm.234262
Ptprd	protein tyrosine phosphatase, receptor type, D	0.76	0.0295 Mm.184021
Stat3	signal transducer and activator of transcription 3	1.20	0.0295 Mm.249934
Ian6	immune associated nucleotide 6	0.68	0.0296 Mm.24781
Fbxo9	f-box only protein 9	0.77	0.0296 Mm.28584
Fnta	farnesyltransferase, CAAX box, alpha	0.78	0.0296 Mm.3496
Eps15	epidermal growth factor receptor pathway substrate 15	0.78	0.0296 Mm.22627
Bcl6b	B-cell CLL/lymphoma 6, member B	0.80	0.0296 Mm.12930
Ddah2	dimethylarginine dimethylaminohydrolase 2	0.81	0.0296 Mm.1457
Syne2	synaptic nuclear envelope 2	0.67	0.0297 Mm.26652
Nans	N-acetylneuraminic acid synthase (sialic acid synthase)	1.25	0.0297 Mm.249349
Galns	galactosamine (N-acetyl)-6-sulfate sulfatase	1.25	0.0297 Mm.34702
Smardc1	SWI/SNF related, matrix associated, actin dependent regul:	0.78	0.0298 Mm.22478
Sca10	spinocerebellar ataxia 10 homolog (human)	0.86	0.03 Mm.248906
Pcoln3	procollagen (type III) N-endopeptidase	1.19	0.03 Mm.41596
Osbpl2	oxysterol binding protein-like 2	0.78	0.0301 Mm.253578
Tfb1m	transcription factor B1, mitochondrial	0.84	0.0301 Mm.226554
Elt1	EGF, latrophilin seven transmembrane domain containing 1	1.26	0.0301 Mm.27242
Clca3	chloride channel calcium activated 3	5.17	0.0301 Mm.33483
Tnfrsf7	tumor necrosis factor receptor superfamily, member 7	0.81	0.0302 Mm.121
Stx18	syntaxin 18	1.24	0.0303 Mm.18959
Entpd5	ectonucleoside triphosphate diphosphohydrolase 5	0.76	0.0304 Mm.10211
Gda	guanine deaminase	1.30	0.0304 Mm.45054
Gp49b	glycoprotein 49 B	1.35	0.0304 Mm.34408
Pdlim2	PDZ and LIM domain 2	0.82	0.0306 Mm.283968
Gatm	glycine amidinotransferase (L-arginine:glycine amidinotrans	0.72	0.0307 Mm.29975
Sfrs4	splicing factor, arginine/serine-rich 4 (SRp75)	0.84	0.0307 Mm.2478
Bteb1	basic transcription element binding protein 1	1.25	0.0307 Mm.291595
Tbx21	T-box 21	0.80	0.0308 Mm.94519
Tpp2	tripeptidyl peptidase II	1.23	0.0308 Mm.234139
Ms4a6c	membrane-spanning 4-domains, subfamily A, member 6C	1.39	0.0308 Mm.87745
Krt1-10	keratin complex 1, acidic, gene 10	0.80	0.031 Mm.22662
Zfp105	zinc finger protein 105	0.84	0.031 Mm.290595
Tubgcp5	tubulin, gamma complex associated protein 5	0.80	0.0311 Mm.284306
Atp5g2	ATP synthase, H ⁺ transporting, mitochondrial F0 complex,	0.82	0.0311 Mm.301327

Xpa	xeroderma pigmentosum, complementation group A	0.83	0.0311 Mm.247036
Cugbp2	CUG triplet repeat,RNA binding protein 2	1.39	0.0311 Mm.147091
Gtf2i	general transcription factor II I	0.76	0.0312 Mm.293003
Syne1	synaptic nuclear envelope 1	0.78	0.0312 Mm.301694
Rgl2	ral guanine nucleotide dissociation stimulator,-like 2	0.79	0.0312 Mm.43777
Igh-1	immunoglobulin heavy chain 1 (serum IgG2a)	0.82	0.0312 Mm.144308
Il16	interleukin 16	0.83	0.0312 Mm.10137
Cpsf4	cleavage and polyadenylation specific factor 4	0.85	0.0312 Mm.196884
Agpat3	1-acylglycerol-3-phosphate O-acyltransferase 3	1.20	0.0312 Mm.299540
Uxs1	UDP-glucuronate decarboxylase 1	1.26	0.0312 Mm.201248
Gla	galactosidase, alpha	1.32	0.0312 Mm.1114
Mapt	microtubule-associated protein tau	0.62	0.0314 Mm.1287
Catnd2	catenin delta 2	0.84	0.0314 Mm.6680
Ipp	IAP promoted placental gene	0.85	0.0314 Mm.1350
Glipr2	GLI pathogenesis-related 2	1.32	0.0315 Mm.22213
Dock8	dedicator of cytokinesis 8	0.71	0.0316 Mm.32546
Sema5a	sema domain, seven thrombospondin repeats (type 1 and t	1.33	0.0316 Mm.260374
S100a6	S100 calcium binding protein A6 (calcyclin)	1.43	0.0316 Mm.100144
Igk-V8	immunoglobulin kappa chain variable 8 (V8)	0.77	0.0317 Mm.244362
Unc119	unc-119 homolog (C. elegans)	0.79	0.0317 Mm.284811
Hmgcr	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	1.25	0.0317 Mm.260207
Sh3d1B	SH3 domain protein 1B	0.81	0.0318 Mm.139128
Epor	erythropoietin receptor	0.85	0.0319 Mm.2653
Map3k11	mitogen activated protein kinase kinase kinase 11	0.82	0.032 Mm.185026
Il1r1	interleukin 1 receptor, type I	1.24	0.032 Mm.896
Nid1	nidogen 1	1.47	0.0323 Mm.4691
Tpst1	protein-tyrosine sulfotransferase 1	0.79	0.0324 Mm.16084
Bcl10	B-cell leukemia/lymphoma 10	1.18	0.0324 Mm.239141
Gnb4	guanine nucleotide binding protein, beta 4	0.81	0.0325 Mm.139192
Prdx3	peroxiredoxin 3	1.31	0.0325 Mm.29821
Slc22a3	solute carrier family 22 (organic cation transporter), membe	0.78	0.0326 Mm.99252
Gnai2	guanine nucleotide binding protein, alpha inhibiting 2	0.85	0.0326 Mm.196464
Lsm4	LSM4 homolog, U6 small nuclear RNA associated (S. cere	1.20	0.0326 Mm.248188
Ldh1	lactate dehydrogenase 1, A chain	1.27	0.0329 Mm.29324
Ocln	occludin	0.74	0.0331 Mm.4807
Slfn2	schlafen 2	1.45	0.0332 Mm.278689
Stau2	staufer (RNA binding protein) homolog 2 (Drosophila)	0.84	0.0333 Mm.216257

Ms4a6b	membrane-spanning 4-domains, subfamily A, member 6B	1.47	0.0333 Mm.278844
Tnip1	TNFAIP3 interacting protein 1	0.84	0.0334 Mm.259671
Ddx6	DEAD (Asp-Glu-Ala-Asp) box polypeptide 6	1.61	0.0334 Mm.130899
Fzd7	frizzled homolog 7 (Drosophila)	0.65	0.0337 Mm.297906
Havcr1	hepatitis A virus cellular receptor 1	0.85	0.0337 Mm.17771
Actr1a	ARP1 actin-related protein 1 homolog A (yeast)	1.21	0.0337 Mm.132764
Galk2	galactokinase 2	1.26	0.0337 Mm.20216
Tpcn2	two pore segment channel 2	1.27	0.0337 Mm.102235
P4hb	prolyl 4-hydroxylase, beta polypeptide	1.20	0.0338 Mm.16660
Eif2s2	eukaryotic translation initiation factor 2, subunit 2 (beta)	1.24	0.0339 Mm.29859
Tbx3	T-box 3	0.76	0.034 Mm.261742
Ralbp1	ralA binding protein 1	0.81	0.034 Mm.17009
Vapb	vesicle-associated membrane protein, associated protein B	0.82	0.034 Mm.260456
Bdkrb1	bradykinin receptor, beta 1	1.42	0.034 Mm.298087
Prkcm	protein kinase C, mu	0.81	0.0341 Mm.282880
Hoxa5	homeo box A5	0.70	0.0342 Mm.173
Cbx4	chromobox homolog 4 (Drosophila Pc class)	0.81	0.0342 Mm.268070
Hunk	hormonally upregulated Neu-associated kinase	0.85	0.0342 Mm.125874
Slc25a19	solute carrier family 25 (mitochondrial deoxynucleotide carr	1.15	0.0342 Mm.24594
Prkacb	protein kinase, cAMP dependent, catalytic, beta	1.20	0.0342 Mm.16766
Rnf4	ring finger protein 4	1.26	0.0342 Mm.113388
Col6a1	procollagen, type VI, alpha 1	1.37	0.0342 Mm.2509
Smpx	small muscle protein, X-linked	0.63	0.0343 Mm.140340
Ptgfr	prostaglandin F receptor	0.81	0.0345 Mm.4170
Mds1	myelodysplasia syndrome 1 homolog (human)	0.84	0.0345 Mm.42023
Nptxr	neuronal pentraxin receptor	1.25	0.0345 Mm.38438
Inpp5b	inositol polyphosphate-5-phosphatase B	0.76	0.0346 Mm.296202
Ppp2r5a	protein phosphatase 2, regulatory subunit B (B56), alpha is	0.81	0.0346 Mm.205569
Loxl2	lysyl oxidase-like 2	1.45	0.0346 Mm.116714
Pten	phosphatase and tensin homolog	1.76	0.0346 Mm.245395
Ccl2	chemokine (C-C motif) ligand 2	1.88	0.0346 Mm.290320
Klrc1	killer cell lectin-like receptor subfamily C, member 1	0.86	0.0347 Mm.56899
Tgif	TG interacting factor	1.21	0.0352 Mm.101034
Adam9	a disintegrin and metalloproteinase domain 9 (meltrin gamn	1.19	0.0353 Mm.28908
Clk4	CDC like kinase 4	0.71	0.0354 Mm.239354
Fgfr3	fibroblast growth factor receptor 3	0.71	0.0354 Mm.6904
Saa3	serum amyloid A 3	2.83	0.0354 Mm.14277

Tpbpb	trophoblast specific protein beta	0.76	0.0355 Mm.297920
Cd209a	CD209a antigen	0.79	0.0355 Mm.32510
Prpf8	pre-mRNA processing factor 8	0.82	0.0355 Mm.3757
Hspa9a	heat shock protein, A	1.20	0.0355 Mm.209419
Pkd2	polycystic kidney disease 2	1.49	0.0355 Mm.6442
Msr2	macrophage scavenger receptor 2	1.59	0.0355 Mm.45173
Csrp3	cysteine and glycine-rich protein 3	0.69	0.0357 Mm.17235
Tst	thiosulfate sulfurtransferase, mitochondrial	0.74	0.0357 Mm.15312
Mtcp1	mature T-cell proliferation 1	0.83	0.0357 Mm.16366
Cldn3	claudin 3	1.39	0.0357 Mm.271763
Ccr2	chemokine (C-C) receptor 2	1.60	0.0357 Mm.6272
Dnase1	deoxyribonuclease I	0.85	0.0359 Mm.239992
Npc2	Niemann Pick type C2	1.18	0.0362 Mm.282556
Pecam	platelet/endothelial cell adhesion molecule	0.74	0.0363 Mm.276652
Sssca1	Sjogren's syndrome/scleroderma autoantigen 1 homolog (h	1.24	0.0364 Mm.24281
Agrn	agrin	0.79	0.0365 Mm.269006
Ptgs1	prostaglandin-endoperoxide synthase 1	1.34	0.0365 Mm.290010
Lias	lipoic acid synthetase	1.21	0.0367 Mm.195776
Tor1b	torsin family 1, member B	1.54	0.0368 Mm.249164
Sucgl1	succinate-CoA ligase, GDP-forming, alpha subunit	0.84	0.0369 Mm.29845
Mrps18b	mitochondrial ribosomal protein S18B	1.23	0.0369 Mm.29484
Tna	tetranectin (plasminogen binding protein)	0.59	0.037 Mm.34588
Siat9	sialyltransferase 9 (CMP-NeuAc:lactosylceramide alpha-2,3	0.79	0.037 Mm.38248
Car14	carbonic anhydrase 14	0.83	0.037 Mm.224836
Lass5	longevity assurance homolog 5 (S. cerevisiae)	0.84	0.037 Mm.9550
Psm8	proteasome (prosome, macropain) 26S subunit, non-ATPase	1.25	0.037 Mm.273152
Mrc1	mannose receptor, C type 1	1.47	0.037 Mm.2019
Mpp6	membrane protein, palmitoylated 6 (MAGUK p55 subfamily	1.51	0.037 Mm.41288
Sdpr	serum deprivation response	0.65	0.0371 Mm.255909
Masp2	mannan-binding lectin serine protease 2	0.71	0.0371 Mm.22453
Tmlhe	trimethyllysine hydroxylase, epsilon	0.78	0.0371 Mm.311888
Blk	B lymphoid kinase	0.79	0.0371 Mm.3962
Sync	syncoilin	0.86	0.0371 Mm.132243
Kist	kinase interacting with leukemia-associated gene (stathmin	1.21	0.0371 Mm.209150
Mtac2d1	membrane targeting (tandem) C2 domain containing 1	1.22	0.0371 Mm.275939
Prss11	protease, serine, 11 (Igf binding)	0.74	0.0373 Mm.30156
Wdr26	WD repeat domain 26	1.24	0.0373 Mm.289082

Porcn	porcupine homolog (Drosophila)	1.28	0.0373 Mm.259670
Ch25h	cholesterol 25-hydroxylase	1.69	0.0373 Mm.30824
Colec12	collectin sub-family member 12	0.82	0.0376 Mm.218571
Epb4.9	erythrocyte protein band 4.9	0.83	0.0376 Mm.210863
Myct1	myc target 1	0.83	0.0376 Mm.33762
Furin	furin (paired basic amino acid cleaving enzyme)	1.19	0.0376 Mm.243921
Siat7c	sialyltransferase 7 ((alpha-N-acetylneuraminy) 2,3-betagal	0.75	0.0377 Mm.1563
Anp32e	acidic (leucine-rich) nuclear phosphoprotein 32 family, mem	1.23	0.0377 Mm.218657
Nfkbib	nuclear factor of kappa light chain gene enhancer in B-cells	1.27	0.0377 Mm.364
Phex	phosphate regulating gene with homologies to endopeptida	1.56	0.0377 Mm.2529
Rap1a	RAS-related protein-1a	0.79	0.0378 Mm.967
Rora	RAR-related orphan receptor alpha	0.80	0.0378 Mm.271788
Anxa1	annexin A1	1.20	0.0378 Mm.248360
Akr1c13	aldo-keto reductase family 1, member C13	1.24	0.0378 Mm.27447
Nupr1	nuclear protein 1	1.38	0.0378 Mm.18742
Gpam	glycerol-3-phosphate acyltransferase, mitochondrial	0.76	0.0379 Mm.210196
Ube2l3	ubiquitin-conjugating enzyme E2L 3	1.24	0.0379 Mm.299954
Eif4ebp2	eukaryotic translation initiation factor 4E binding protein 2	0.75	0.038 Mm.140186
Tef	thyrotroph embryonic factor	0.66	0.0381 Mm.270278
Gprk5	G protein-coupled receptor kinase 5	0.78	0.0381 Mm.279400
Tcfec	transcription factor EC	1.28	0.0381 Mm.36217
Pink1	PTEN induced putative kinase 1	1.40	0.0381 Mm.18539
Eif5a	eukaryotic translation initiation factor 5A	1.18	0.0382 Mm.196607
Gpcr25	G-protein coupled receptor 25	1.22	0.0382 Mm.2840
Adcy4	adenylate cyclase 4	0.75	0.0386 Mm.287010
Msln	mesothelin	1.68	0.0389 Mm.17510
Gfpt2	glutamine fructose-6-phosphate transaminase 2	1.43	0.0391 Mm.24402
Mapkapk2	MAP kinase-activated protein kinase 2	1.19	0.0394 Mm.221235
Lap3	leucine aminopeptidase 3	1.21	0.0394 Mm.286830
Alox5ap	arachidonate 5-lipoxygenase activating protein	1.30	0.0394 Mm.19844
Dicer1	Dicer1, Dcr-1 homolog (Drosophila)	0.80	0.0395 Mm.21135
Plcb1	phospholipase C, beta 1	0.84	0.0395 Mm.42083
Gmfb	glia maturation factor, beta	1.32	0.0395 Mm.87312
Gng11	guanine nucleotide binding protein (G protein), gamma 11	0.76	0.0396 Mm.25547
Lphn1	latrophilin 1	0.83	0.0396 Mm.260733
Inhbb	inhibin beta-B	1.30	0.0397 Mm.3092
Ccnd2	cyclin D2	1.80	0.0397 Mm.294136

Zfp185	zinc finger protein 185	0.81	0.0398 Mm.1161
Crip2	cysteine rich protein 2	0.86	0.0398 Mm.294801
Ly6c	lymphocyte antigen 6 complex, locus C	1.25	0.0399 Mm.298163
Ninj1	ninjurin 1	1.36	0.0399 Mm.18503
Bk	brain and kidney protein	0.83	0.04 Mm.156558
Ifi16	interferon, gamma-inducible protein 16	1.38	0.0401 Mm.212870
Tegt	testis enhanced gene transcript	0.84	0.0402 Mm.102104
Cocoacrisp	Cocoacrisp protein	0.83	0.0403 Mm.289625
4833416I09Rik	presenilin-like protein 4	0.87	0.0404 Mm.246376
Mad4	Max dimerization protein 4	1.23	0.0404 Mm.132901
Kdelr1	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein ret	1.32	0.0404 Mm.25045
Fnbp2	formin binding protein 2	0.83	0.0405 Mm.25694
Scarb1	scavenger receptor class B, member 1	1.44	0.0405 Mm.282242
H2-T10	histocompatibility 2, T region locus 10	0.86	0.0406 Mm.87776
Osbpl9	oxysterol binding protein-like 9	1.16	0.0406 Mm.92314
Dusp12	dual specificity phosphatase 12	0.83	0.0407 Mm.34365
Kptn	kaptin	0.87	0.0407 Mm.41101
Vars2	valyl-tRNA synthetase 2	1.23	0.0407 Mm.28420
Rnase3	ribonuclease, RNase A family 3	0.53	0.0408 Mm.317170
Cnn2	calponin 2	0.80	0.0408 Mm.278791
Grasp	GRP1 (general receptor for phosphoinositides 1)-associate	0.81	0.0408 Mm.276573
Ube2j1	ubiquitin-conjugating enzyme E2, J1	1.22	0.0408 Mm.32920
Pea15	phosphoprotein enriched in astrocytes 15	0.81	0.0409 Mm.544
Hes6	hairy and enhancer of split 6 (Drosophila)	1.21	0.041 Mm.280029
Mmrp19	monocyte macrophage 19	0.83	0.0411 Mm.24772
Tm4sf1	transmembrane 4 superfamily member 1	0.77	0.0412 Mm.856
Mark3	MAP/microtubule affinity-regulating kinase 3	0.84	0.0412 Mm.28678
Slc29a3	solute carrier family 29 (nucleoside transporters), member 3	1.20	0.0414 Mm.284462
Pgam1	phosphoglycerate mutase 1	1.28	0.0414 Mm.16783
Hlx	H2.0-like homeo box gene	0.78	0.0415 Mm.1347
Cldn7	claudin 7	0.80	0.0415 Mm.281896
Ccl7	chemokine (C-C motif) ligand 7	1.65	0.0416 Mm.16091
Cxcl13	chemokine (C-X-C motif) ligand 13	2.31	0.0416 Mm.10116
Tmem5	transmembrane protein 5	1.20	0.0417 Mm.236764
Vasp	vasodilator-stimulated phosphoprotein	1.22	0.0417 Mm.9684
Hspa4	heat shock protein 4	1.22	0.0417 Mm.239865
Gstz1	glutathione transferase zeta 1 (maleylacetoacetate isomera	0.79	0.0418 Mm.151475

Pold3	polymerase (DNA-directed), delta 3, accessory subunit	0.85	0.0419 Mm.37562
Kcnh1	potassium voltage-gated channel, subfamily H (eag-related)	1.23	0.0419 Mm.4489
Flnb	filamin, beta	0.75	0.0421 Mm.249558
Txnrd3	thioredoxin reductase 3	0.81	0.0421 Mm.229332
Eat2	EWS/FLI1 activated transcript 2	1.19	0.0422 Mm.57009
Csf2	colony stimulating factor 2 (granulocyte-macrophage)	0.83	0.0423 Mm.4922
Rnf11	ring finger protein 11	1.17	0.0423 Mm.25228
Fxyd3	FXDYD domain-containing ion transport regulator 3	1.23	0.0423 Mm.263847
Emp3	epithelial membrane protein 3	1.25	0.0423 Mm.20829
Wnt3a	wingless-related MMTV integration site 3A	0.83	0.0424 Mm.1367
Arl2bp	ADP-ribosylation factor-like 2 binding protein	0.82	0.0425 Mm.279977
Aplp2	amyloid beta (A4) precursor-like protein 2	0.84	0.0425 Mm.19133
Klrb1d	killer cell lectin-like receptor subfamily B member 1D	1.18	0.0425 Mm.14489
Ppp1r14b	protein phosphatase 1, regulatory (inhibitor) subunit 14B	1.28	0.0425 Mm.296842
Itga8	integrin alpha 8	0.52	0.0426 Mm.220860
Lcn7	lipocalin 7	1.38	0.0426 Mm.15801
Bace	beta-site APP cleaving enzyme	0.83	0.0427 Mm.24044
Prcc	papillary renal cell carcinoma (translocation-associated)	1.29	0.0427 Mm.35089
Unc93b	unc-93 homolog B (C. elegans)	1.31	0.0427 Mm.262094
Smc5l1	SMC5 structural maintenance of chromosomes 5-like 1 (ye)	0.80	0.0428 Mm.23267
F13a	coagulation factor XIII, alpha subunit	2.13	0.0428 Mm.235105
Slc23a2	solute carrier family 23 (nucleobase transporters), member	0.79	0.0429 Mm.102014
Apg5l	autophagy 5-like (S. cerevisiae)	1.20	0.0431 Mm.22264
Srfcp	SRF co-factor protein (cardiac and smooth muscle)	1.25	0.0431 Mm.32257
Acacb	acetyl-Coenzyme A carboxylase beta	0.82	0.0432 Mm.173067
Axot	axotrophin	1.47	0.0432 Mm.260635
Dp111	deleted in polyposis 1-like 1	0.84	0.0433 Mm.28147
Fbxo2	F-box only protein 2	1.31	0.0433 Mm.262287
Grp	gastrin releasing peptide	1.41	0.0433 Mm.20298
Pclo	piccolo (presynaptic cytomatrix protein)	0.84	0.0434 Mm.279903
Tap1	transporter 1, ATP-binding cassette, sub-family B (MDR/TA	1.40	0.0436 Mm.207996
Hbb-bh1	hemoglobin Z, beta-like embryonic chain	0.81	0.0437 Mm.196718
Mef2a	myocyte enhancer factor 2A	1.33	0.0437 Mm.250681
Cd53	CD53 antigen	1.19	0.0439 Mm.2692
Arbp	acidic ribosomal phosphoprotein P0	1.20	0.0439 Mm.298083
Sfrp2	secreted frizzled-related sequence protein 2	1.46	0.0439 Mm.19155
Twsg1	twisted gastrulation homolog 1 (Drosophila)	0.78	0.0443 Mm.10153

Tbxas1	thromboxane A synthase 1, platelet	1.16	0.0443 Mm.4054
Cul4b	cullin 4B	1.18	0.0445 Mm.26885
Snx3	sorting nexin 3	0.85	0.0446 Mm.277870
Slc1a7	solute carrier family 1, member 7	1.19	0.0447 Mm.1056
Adss	adenylosuccinate synthetase, muscle	1.45	0.0447 Mm.3440
Ulk2	Unc-51 like kinase 2 (C. elegans)	0.82	0.0448 Mm.162025
Lmna	lamin A	1.37	0.0448 Mm.243014
Synpo	synaptopodin	1.22	0.0449 Mm.27313
Ncf4	neutrophil cytosolic factor 4	0.79	0.0452 Mm.2068
Casp1	caspase 1	0.79	0.0452 Mm.1051
Mapk3	mitogen activated protein kinase 3	0.84	0.0452 Mm.8385
Cd1d2	CD1d2 antigen	0.86	0.0452 Mm.157907
Metap1	methionine aminopeptidase-like 1	1.18	0.0452 Mm.152796
Mrg1	myeloid ecotropic viral integration site-related gene 1	1.22	0.0454 Mm.247566
Ran	RAN, member RAS oncogene family	1.42	0.0456 Mm.7521
Gart	phosphoribosylglycinamide formyltransferase	0.85	0.0457 Mm.4505
Sgce	sarcoglycan, epsilon	0.80	0.0458 Mm.8739
Fyn	Fyn proto-oncogene	0.83	0.0458 Mm.4848
Prkcl	protein kinase C, lambda	0.79	0.0459 Mm.291554
E2f6	E2F transcription factor 6	0.85	0.0461 Mm.23296
Cxcr4	chemokine (C-X-C motif) receptor 4	0.67	0.0465 Mm.1401
Sfrs2	splicing factor, arginine/serine-rich 2 (SC-35)	0.84	0.0465 Mm.21841
Rdgb2	retinal degeneration B2 homolog (Drosophila)	0.85	0.0466 Mm.239214
Snx9	sorting nexin 9	1.23	0.0466 Mm.89515
Ell2	elongation factor RNA polymerase II 2	1.41	0.0466 Mm.21288
Cx3cl1	chemokine (C-X3-C motif) ligand 1	0.83	0.0468 Mm.292711
Dffa	DNA fragmentation factor, alpha subunit	0.83	0.0469 Mm.41433
Arf4	ADP-ribosylation factor 4	1.25	0.0469 Mm.281836
Bnpl	BCL2/adenovirus E1B 19kD interacting protein like	0.85	0.0471 Mm.276596
Matr3	matrin 3	1.28	0.0474 Mm.215034
Epb4.1l2	erythrocyte protein band 4.1-like 2	0.82	0.0475 Mm.210413
Dbp	D site albumin promoter binding protein	0.33	0.0476 Mm.3459
Lpp	LIM domain containing preferred translocation partner in lip	1.21	0.0476 Mm.209385
Ppp1r2	protein phosphatase 1, regulatory (inhibitor) subunit 2	1.39	0.0476 Mm.291593
Rpl22	ribosomal protein L22	0.77	0.0478 Mm.191936
Cul3	cullin 3	1.23	0.0478 Mm.12665
Aqp1	aquaporin 1	0.85	0.048 Mm.18625

Vamp2	vesicle-associated membrane protein 2	0.83	0.0481 Mm.28643
Ltk	leukocyte tyrosine kinase	0.86	0.0482 Mm.1740
Insig2	insulin induced gene 2	1.22	0.0482 Mm.27136
Acp5	acid phosphatase 5, tartrate resistant	1.43	0.0483 Mm.46354
Rspodn	thrombospondin type 1 domain containing gene	0.75	0.0484 Mm.42202
Zfp36l1	zinc finger protein 36, C3H type-like 1	1.25	0.0485 Mm.18571
Etf1	eukaryotic translation termination factor 1	1.28	0.0486 Mm.3845
Kctd2	potassium channel tetramerisation domain containing 2	0.78	0.0487 Mm.276299
Rpl41	ribosomal protein L41	1.23	0.0487 Mm.290786
Ppp3ca	protein phosphatase 3, catalytic subunit, alpha isoform	0.86	0.0488 Mm.80565
Des	desmin	1.18	0.0488 Mm.6712
Ovgp1	oviductal glycoprotein 1	0.83	0.049 Mm.5110
Col18a1	procollagen, type XVIII, alpha 1	1.19	0.0491 Mm.4352
Camk2d	calcium/calmodulin-dependent protein kinase II, delta	1.30	0.0492 Mm.255822
Gstt2	glutathione S-transferase, theta 2	0.82	0.0493 Mm.24118
Sfxn4	sideroflexin 4	0.84	0.0493 Mm.48179
Akr1b7	aldo-keto reductase family 1, member B7	0.77	0.0494 Mm.14460
Rpel1	RPEL repeat containing 1	0.80	0.0494 Mm.160124
Ilk	integrin linked kinase	0.81	0.0494 Mm.274846
Rsn	restin (Reed-Steinberg cell-expressed intermediate filament)	0.83	0.0494 Mm.241109
Fzd8	frizzled homolog 8 (Drosophila)	0.84	0.0494 Mm.184289
Echdc3	enoyl Coenzyme A hydratase domain containing 3	0.85	0.0494 Mm.38342
Pkib	protein kinase inhibitor beta, cAMP dependent, testis specific	1.15	0.0494 Mm.262135
Ddx21	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	1.20	0.0494 Mm.25264
Slc25a5	solute carrier family 25 (mitochondrial carrier; adenine nucleotide)	1.18	0.0496 Mm.658
Sdccag33	serologically defined colon cancer antigen 33	1.23	0.0496 Mm.102136
Col5a3	procollagen, type V, alpha 3	1.32	0.0496 Mm.30477
Nxf1	nuclear RNA export factor 1 homolog (S. cerevisiae)	0.79	0.0497 Mm.7271
Cd19	CD19 antigen	0.79	0.0498 Mm.4360
Tm4sf3	transmembrane 4 superfamily member 3	0.83	0.0498 Mm.22270
Nte	neuropathy target esterase	0.87	0.0498 Mm.23085
Jak2	Janus kinase 2	1.14	0.0498 Mm.275839
Slc6a2	solute carrier family 6 (neurotransmitter transporter, noradrenaline)	1.39	0.0498 Mm.57040
Gorasp2	golgi reassembly stacking protein 2	1.54	0.0498 Mm.271950
BC002059	cDNA sequence BC002059	0.79	0.0249 Mm.255974
BC002216	cDNA sequence BC002216	0.73	0.00106 Mm.25556
BC002236	cDNA sequence BC002236	1.26	0.00191 Mm.259200

BC003296	cDNA sequence BC003296	0.72	0.0153 Mm.25300
BC004044	cDNA sequence BC004044	1.28	0.0439 Mm.6419
BC004056	cDNA sequence BC004056	1.57	0.000777 Mm.279514
BC006662	cDNA sequence BC006662	1.30	0.0234 Mm.25240
BC010552	cDNA sequence BC010552	0.70	0.0176 Mm.33062
BC011467	cDNA sequence BC011467	0.68	0.0154 Mm.212812
BC012871	cDNA sequence BC012871	0.76	0.0119 Mm.100282
BC013565	cDNA sequence BC013565	0.76	0.0176 Mm.5296
BC014685	cDNA sequence BC014685	0.70	0.000329 Mm.170023
BC019794	cDNA sequence BC019794	0.72	0.00109 Mm.51437
BC019943	cDNA sequence BC019943	0.82	0.0342 Mm.174615
BC020077	cDNA sequence BC020077	0.68	0.00291 Mm.291250
BC020535	cDNA sequence BC020535	0.61	0.00023 Mm.216317
BC021381	cDNA sequence BC021381	0.76	0.00562 Mm.35661
BC022687	cDNA sequence BC022687	0.45	0.0000395 Mm.186678
BC023055	cDNA sequence BC023055	0.67	0.00023 Mm.259441
BC023181	cDNA sequence BC023181	0.79	0.006 Mm.276001
BC024322	cDNA sequence BC024322	0.78	0.00271 Mm.25321
BC024561	cDNA sequence BC024561	1.68	0.000733 Mm.10545
BC024760	cDNA sequence BC024760	0.72	0.0035 Mm.191491
BC025586	cDNA sequence BC025586	1.26	0.00905 Mm.19172
BC025872	cDNA sequence BC025872	0.75	0.0462 Mm.265552
BC026645	cDNA sequence BC026645	0.66	0.0194 Mm.153676
BC031593	cDNA sequence BC031593	0.14	0.000000111 Mm.162744
U46068	cDNA sequence U46068	3.14	0.00000474 Mm.3783
D10Ert438e	DNA segment, Chr 10, ERATO Doi 438, expressed	1.45	0.0275 Mm.199964
D10Ert479e	DNA segment, Chr 10, ERATO Doi 749, expressed	1.27	0.0307 Mm.62876
D10Wsu93e	DNA segment, Chr 10, Wayne State University 93, express	0.80	0.0452 Mm.27443
D11Wsu99e	DNA segment, Chr 11, Wayne State University 99, express	2.16	0.000147 Mm.261620
D14Ert436e	DNA segment, Chr 14, ERATO Doi 436, expressed	0.82	0.0216 Mm.287279
D14Ert813e	DNA segment, Chr 14, ERATO Doi 813, expressed	1.40	0.00519 Mm.29515
D14Wsu89e	DNA segment, Chr 14, Wayne State University 89, express	1.82	0.0047 Mm.24477
D15Wsu75e	DNA segment, Chr 15, Wayne State University 75, express	1.22	0.0246 Mm.213261
D16Ert480e	DNA segment, Chr 16, ERATO Doi 480, expressed	0.84	0.0296 Mm.24035
D19Wsu55e	DNA segment, Chr 19, Wayne State University 55, express	2.19	0.00012 Mm.19091
D2Bwg0891e	DNA segment, Chr 2, Brigham & Women's Genetics 0891 e	0.80	0.0246 Mm.195525
D4Wsu114e	DNA segment, Chr 4, Wayne State University 114, express	1.20	0.048 Mm.250504

D4Wsu27e	DNA segment, Chr 4, Wayne State University 27, expressed	1.37	0.00109 Mm.17917
D5Ert33e	DNA segment, Chr 5, ERATO Doi 33, expressed	0.79	0.0275 Mm.290142
D6Ert32e	DNA segment, Chr 6, ERATO Doi 32, expressed	1.37	0.00588 Mm.220334
D6Ert349e	DNA segment, Chr 6, ERATO Doi 349, expressed	0.79	0.0195 Mm.196943
D6Wsu116e	DNA segment, Chr 6, Wayne State University 116, expressed	0.80	0.0405 Mm.28524
D6Wsu176e	DNA segment, Chr 6, Wayne State University 176, expressed	1.17	0.0397 Mm.258484
D7Bwg0421e	DNA segment, Chr 7, Brigham & Women's Genetics 0421	1.30	0.0217 Mm.290880
D7Ert458e	DNA segment, Chr 7, ERATO Doi 458, expressed	1.41	0.00129 Mm.227506
D8Ert354e	DNA segment, Chr 8, ERATO Doi 354, expressed	1.37	0.0233 Mm.28326
D8Ert531e	DNA segment, Chr 8, ERATO Doi 531, expressed	1.38	0.0117 Mm.294871
D8Ert812e	DNA segment, Chr 8, ERATO Doi 812, expressed	1.27	0.0196 Mm.275720
D9Bwg0185e	DNA segment, Chr 9, Brigham & Women's Genetics 0185 expressed	1.59	0.00955 Mm.193647
Nme2	expressed in non-metastatic cells 2, protein	1.38	0.00616 Mm.298224
Nme3	expressed in non-metastatic cells 3	0.68	0.00782 Mm.27278
AA407809	expressed sequence AA407809	1.44	0.00443 Mm.280895
AA409541	expressed sequence AA409541	1.31	0.00453 Mm.290530
AA415817	expressed sequence AA415817	0.15	5.4E-10 Mm.163885
AA536743	expressed sequence AA536743	1.61	0.00112 Mm.243632
AA959742	expressed sequence AA959742	1.53	0.0069 Mm.269069
AA960558	expressed sequence AA960558	0.78	0.0431 Mm.227474
AI325941	expressed sequence AI325941	0.70	0.0217 Mm.1881
AI447904	expressed sequence AI447904	3.66	0.000185 Mm.447
AI461653	expressed sequence AI461653	0.73	0.0111 Mm.34281
AI464131	expressed sequence AI464131	0.78	0.00924 Mm.27054
AI464239	expressed sequence AI464239	0.76	0.0172 Mm.258105
AI551766	expressed sequence AI551766	0.86	0.0293 Mm.202715
AI595338	expressed sequence AI595338	0.46	0.00378 Mm.275893
AI643885	expressed sequence AI643885	1.58	0.00464 Mm.46749
AI646725	expressed sequence AI646725	0.82	0.0368 Mm.31345
AI661017	expressed sequence AI661017	1.75	0.0000606 Mm.132299
AI836256	expressed sequence AI836256	0.75	0.0297 Mm.24115
AL022610	expressed sequence AL022610	0.79	0.0129 Mm.27259
AL024210	expressed sequence AL024210	0.85	0.0414 Mm.247782
AW011752	expressed sequence AW011752	0.81	0.0224 Mm.276386
AW060207	expressed sequence AW060207	0.79	0.0215 Mm.159681
AW111922	expressed sequence AW111922	1.51	0.0418 Mm.261140
AW494914	expressed sequence AW494914	0.81	0.0479 Mm.297521

AW548124	expressed sequence AW548124	0.68	0.000501 Mm.273209
AW552001	expressed sequence AW552001	0.63	0.00234 Mm.21175
AW559096	expressed sequence AW559096	0.75	0.0263 Mm.247837
AW742319	expressed sequence AW742319	0.70	0.0129 Mm.21092
AW822216	expressed sequence AW822216	0.80	0.0117 Mm.236454
C76746	expressed sequence C76746	1.34	0.00788 Mm.202750
C80913	expressed sequence C80913	1.49	0.000333 Mm.23997
C81234	expressed sequence C81234	0.63	0.0163 Mm.6055
C85658	expressed sequence C85658	0.84	0.0215 Mm.206631
3010020C06	hypothetical protein 3010020C06	0.58	0.00954 Mm.249594
5930437N14	hypothetical protein 5930437N14	0.73	0.00716 Mm.45005
6720484B16	hypothetical protein 6720484B16	1.20	0.046 Mm.260557
9830126M18	hypothetical protein 9830126M18	1.29	0.0309 Mm.266485
D130005A03	hypothetical protein D130005A03	1.44	0.00113 Mm.260210
D930024E11	hypothetical protein D930024E11	0.72	0.00806 Mm.258310
LOC212285	hypothetical protein LOC212285	0.65	0.00936 Mm.244403
LOC217831	hypothetical protein LOC217831	0.70	0.0194 Mm.156217
LOC234344	hypothetical protein LOC234344	1.50	0.00786 Mm.282378
LOC268670	hypothetical protein LOC268670	0.85	0.0227 Mm.56274
MGC18837	hypothetical protein MGC18837	0.70	0.0279 Mm.253329
MGC29254	hypothetical protein MGC29254	0.78	0.00788 Mm.20377
MGC37938	hypothetical protein MGC37938	0.76	0.0408 Mm.34891
MGC39058	hypothetical protein MGC39058	0.82	0.0144 Mm.168530
MGC56855	hypothetical protein MGC56855	1.23	0.0345 Mm.271910
MGC6357	hypothetical protein MGC6357	1.18	0.0382 Mm.211654
0610006O14Rik	RIKEN cDNA 0610006O14 gene	0.56	0.000522 Mm.30214
0610007L05Rik	RIKEN cDNA 0610007L05 gene	0.46	0.0000274 Mm.28231
0610007P06Rik	RIKEN cDNA 0610007P06 gene	0.79	0.0271 Mm.28679
0610011D08Rik	RIKEN cDNA 0610011D08 gene	1.39	0.006 Mm.294159
0610011I04Rik	RIKEN cDNA 0610011I04 gene	1.30	0.0116 Mm.27061
0610013D04Rik	RIKEN cDNA 0610013D04 gene	0.72	0.0157 Mm.196330
0610027O18Rik	RIKEN cDNA 0610027O18 gene	0.82	0.0167 Mm.195309
0610033L19Rik	RIKEN cDNA 0610033L19 gene	0.84	0.0227 Mm.276429
0610037M15Rik	RIKEN cDNA 0610037M15 gene	2.95	0.000343 Mm.221293
0610038P07Rik	RIKEN cDNA 0610038P07 gene	1.23	0.0377 Mm.232728
0610039K22Rik	RIKEN cDNA 0610039K22 gene	0.78	0.0201 Mm.288183
0610039N19Rik	RIKEN cDNA 0610039N19 gene	0.76	0.0109 Mm.146873

0610040B21Rik	RIKEN cDNA 0610040B21 gene	0.80	0.0192 Mm.159965
0610041E09Rik	RIKEN cDNA 0610041E09 gene	1.35	0.00254 Mm.241387
0610041L09Rik	RIKEN cDNA 0610041L09 gene	0.85	0.0459 Mm.21501
0610041O14Rik	RIKEN cDNA 0610041O14 gene	0.82	0.029 Mm.23739
0610042E07Rik	RIKEN cDNA 0610042E07 gene	1.37	0.00373 Mm.41385
0710001O03Rik	RIKEN cDNA 0710001O03 gene	0.81	0.0258 Mm.30158
0910001A06Rik	RIKEN cDNA 0910001A06 gene	1.38	0.0179 Mm.246108
1100001J08Rik	RIKEN cDNA 1100001J08 gene	0.74	0.0357 Mm.249806
1110001C20Rik	RIKEN cDNA 1110001C20 gene	1.65	0.0067 Mm.218889
1110001N06Rik	RIKEN cDNA 1110001N06 gene	0.86	0.0227 Mm.277705
1110003B01Rik	RIKEN cDNA 1110003B01 gene	1.46	0.0245 Mm.275648
1110006I11Rik	RIKEN cDNA 1110006I11 gene	0.75	0.0059 Mm.156346
1110007F23Rik	RIKEN cDNA 1110007F23 gene	0.56	0.0125 Mm.272278
1110012M11Rik	RIKEN cDNA 1110012M11 gene	1.32	0.0166 Mm.154023
1110015E18Rik	RIKEN cDNA 1110015E18 gene	0.81	0.0439 Mm.27844
1110018J12Rik	RIKEN cDNA 1110018J12 gene	0.48	0.0000426 Mm.271817
1110018J18Rik	RIKEN cDNA 1110018J18 gene	0.76	0.0338 Mm.227240
1110019N10Rik	RIKEN cDNA 1110019N10 gene	0.80	0.0488 Mm.279
1110023P21Rik	RIKEN cDNA 1110023P21 gene	1.40	0.0305 Mm.22284
1110027O12Rik	RIKEN cDNA 1110027O12 gene	0.71	0.0215 Mm.195526
1110029F20Rik	RIKEN cDNA 1110029F20 gene	0.74	0.0112 Mm.293605
1110032E16Rik	RIKEN cDNA 1110032E16 gene	0.73	0.0136 Mm.259079
1110033A15Rik	RIKEN cDNA 1110033A15 gene	0.80	0.0365 Mm.200885
1110033J19Rik	RIKEN cDNA 1110033J19 gene	1.71	0.00262 Mm.3572
1110035L05Rik	RIKEN cDNA 1110035L05 gene	1.92	0.00012 Mm.29140
1110035O14Rik	RIKEN cDNA 1110035O14 gene	1.39	0.0146 Mm.12950
1110036E10Rik	RIKEN cDNA 1110036E10 gene	1.53	0.0278 Mm.287982
1110054A24Rik	RIKEN cDNA 1110054A24 gene	0.80	0.0368 Mm.287187
1110055L24Rik	RIKEN cDNA 1110055L24 gene	1.30	0.0106 Mm.227281
1110063G11Rik	RIKEN cDNA 1110063G11 gene	0.54	0.000693 Mm.273785
1190002H23Rik	RIKEN cDNA 1190002H23 gene	1.87	0.00464 Mm.29811
1190002N15Rik	RIKEN cDNA 1190002N15 gene	0.76	0.0394 Mm.258746
1190003K14Rik	RIKEN cDNA 1190003K14 gene	1.94	0.0128 Mm.292848
1200002M06Rik	RIKEN cDNA 1200002M06 gene	0.66	0.000299 Mm.292503
1200003C23Rik	RIKEN cDNA 1200003C23 gene	0.43	0.0000744 Mm.280563
1200008D14Rik	RIKEN cDNA 1200008D14 gene	0.78	0.0267 Mm.2252
1200009O22Rik	RIKEN cDNA 1200009O22 gene	0.54	0.0000317 Mm.41187

1200010C09Rik	RIKEN cDNA 1200010C09 gene	0.80	0.0259 Mm.149870
1200011D03Rik	RIKEN cDNA 1200011D03 gene	0.54	0.0208 Mm.20108
1200013I08Rik	RIKEN cDNA 1200013I08 gene	0.80	0.03 Mm.26696
1200015A22Rik	RIKEN cDNA 1200015A22 gene	1.22	0.0354 Mm.38801
1200020A08Rik	RIKEN cDNA 1200020A08 gene	1.16	0.0258 Mm.109329
1300003P13Rik	RIKEN cDNA 1300003P13 gene	1.60	0.000136 Mm.28654
1300006C19Rik	RIKEN cDNA 1300006C19 gene	1.37	0.00284 Mm.296158
1300006M19Rik	RIKEN cDNA 1300006M19 gene	0.19	3.68E-09 Mm.18814
1300008B03Rik	RIKEN cDNA 1300008B03 gene	1.63	0.0326 Mm.326175
1500001L15Rik	RIKEN cDNA 1500001L15 gene	2.11	0.00012 Mm.21214
1500001M02Rik	RIKEN cDNA 1500001M02 gene	0.76	0.00766 Mm.261329
1500005G05Rik	RIKEN cDNA 1500005G05 gene	0.73	0.0131 Mm.280230
1500012D09Rik	RIKEN cDNA 1500012D09 gene	0.69	0.000369 Mm.32870
1500015O10Rik	RIKEN cDNA 1500015O10 gene	1.26	0.00891 Mm.274301
1500016H10Rik	RIKEN cDNA 1500016H10 gene	1.25	0.0312 Mm.218533
1500026D16Rik	RIKEN cDNA 1500026D16 gene	1.25	0.0252 Mm.246200
1600012H06Rik	RIKEN cDNA 1600012H06 gene	1.20	0.0249 Mm.28544
1600025H15Rik	RIKEN cDNA 1600025H15 gene	0.78	0.0312 Mm.276829
1600029D21Rik	RIKEN cDNA 1600029D21 gene	0.59	0.0165 Mm.29959
1700001E16Rik	RIKEN cDNA 1700001E16 gene	0.77	0.0179 Mm.229110
1700009P13Rik	RIKEN cDNA 1700009P13 gene	0.84	0.0176 Mm.296565
1700012G19Rik	RIKEN cDNA 1700012G19 gene	1.28	0.00617 Mm.28541
1700017B05Rik	RIKEN cDNA 1700017B05 gene	1.54	0.00269 Mm.22712
1700019G17Rik	RIKEN cDNA 1700019G17 gene	0.86	0.044 Mm.24454
1700020E22Rik	RIKEN cDNA 1700020E22 gene	0.59	0.0148 Mm.293635
1700022C21Rik	RIKEN cDNA 1700022C21 gene	0.83	0.0333 Mm.26684
1700029I01Rik	RIKEN cDNA 1700029I01 gene	2.16	0.000000656 Mm.299127
1700030A21Rik	RIKEN cDNA 1700030A21 gene	1.17	0.0422 Mm.25661
1700060H10Rik	RIKEN cDNA 1700060H10 gene	0.77	0.0216 Mm.245111
1700127B04Rik	RIKEN cDNA 1700127B04 gene	1.34	0.00828 Mm.218639
1810003N24Rik	RIKEN cDNA 1810003N24 gene	1.23	0.0422 Mm.27831
1810007E14Rik	RIKEN cDNA 1810007E14 gene	1.37	0.0245 Mm.36777
1810008K03Rik	RIKEN cDNA 1810008K03 gene	0.80	0.0136 Mm.35083
1810009K13Rik	RIKEN cDNA 1810009K13 gene	1.17	0.0219 Mm.263319
1810012N01Rik	RIKEN cDNA 1810012N01 gene	1.16	0.0232 Mm.23951
1810013B01Rik	RIKEN cDNA 1810013B01 gene	0.82	0.0407 Mm.24806
1810017G16Rik	RIKEN cDNA 1810017G16 gene	0.68	0.0243 Mm.38746

1810019P04Rik	RIKEN cDNA 1810019P04 gene	1.19	0.0495 Mm.234876
1810020C19Rik	RIKEN cDNA 1810020C19 gene	1.71	0.00947 Mm.272498
1810020E01Rik	RIKEN cDNA 1810020E01 gene	1.20	0.0355 Mm.28963
1810030I22Rik	RIKEN cDNA 1810030I22 gene	0.80	0.0256 Mm.301346
1810030O07Rik	RIKEN cDNA 1810030O07 gene	0.79	0.0312 Mm.15974
1810034M08Rik	RIKEN cDNA 1810034M08 gene	0.87	0.0354 Mm.218434
1810045K07Rik	RIKEN cDNA 1810045K07 gene	1.23	0.0229 Mm.290353
1810045K17Rik	RIKEN cDNA 1810045K17 gene	1.17	0.0417 Mm.28917
1810046I24Rik	RIKEN cDNA 1810046I24 gene	1.35	0.0117 Mm.289642
1810054D07Rik	RIKEN cDNA 1810054D07 gene	1.27	0.0191 Mm.5540
1810057C19Rik	RIKEN cDNA 1810057C19 gene	0.54	0.00772 Mm.212428
1810073M23Rik	RIKEN cDNA 1810073M23 gene	1.18	0.0498 Mm.246440
1810074D23Rik	RIKEN cDNA 1810074D23 gene	1.24	0.00993 Mm.193089
2010004N24Rik	RIKEN cDNA 2010004N24 gene	1.33	0.00559 Mm.280459
2010005A06Rik	RIKEN cDNA 2010005A06 gene	0.78	0.0134 Mm.36560
2010106G01Rik	RIKEN cDNA 2010106G01 gene	1.57	0.0341 Mm.269928
2010107G23Rik	RIKEN cDNA 2010107G23 gene	0.63	0.000472 Mm.294126
2010107K19Rik	RIKEN cDNA 2010107K19 gene	1.27	0.0128 Mm.46317
2010110K24Rik	RIKEN cDNA 2010110K24 gene	1.37	0.00155 Mm.218423
2010305C02Rik	RIKEN cDNA 2010305C02 gene	0.60	0.000263 Mm.41393
2010308M01Rik	RIKEN cDNA 2010308M01 gene	0.84	0.0451 Mm.30511
2010317E03Rik	RIKEN cDNA 2010317E03 gene	1.39	0.0288 Mm.250567
2010319C14Rik	RIKEN cDNA 2010319C14 gene	1.33	0.00495 Mm.37613
2210021G21Rik	RIKEN cDNA 2210021G21 gene	0.82	0.0202 Mm.32883
2210022F10Rik	RIKEN cDNA 2210022F10 gene	0.78	0.0275 Mm.132226
2210022N24Rik	RIKEN cDNA 2210022N24 gene	0.78	0.0136 Mm.293565
2210023F24Rik	RIKEN cDNA 2210023F24 gene	0.84	0.0457 Mm.5510
2210023G05Rik	RIKEN cDNA 2210023G05 gene	0.67	0.003 Mm.26580
2210402C18Rik	RIKEN cDNA 2210402C18 gene	0.67	0.00133 Mm.19119
2210404N08Rik	RIKEN cDNA 2210404N08 gene	0.52	0.00347 Mm.34874
2210412K09Rik	RIKEN cDNA 2210412K09 gene	0.84	0.047 Mm.212763
2210417C17Rik	RIKEN cDNA 2210417C17 gene	1.35	0.0179 Mm.28013
2210418I02Rik	RIKEN cDNA 2210418I02 gene	2.01	0.0000726 Mm.73682
2300002F06Rik	RIKEN cDNA 2300002F06 gene	0.81	0.0266 Mm.301373
2310003F16Rik	RIKEN cDNA 2310003F16 gene	0.82	0.013 Mm.24220
2310006I24Rik	RIKEN cDNA 2310006I24 gene	0.77	0.0179 Mm.29200
2310008M14Rik	RIKEN cDNA 2310008M14 gene	0.85	0.0334 Mm.259467

2310009E04Rik	RIKEN cDNA 2310009E04 gene	0.75	0.00235 Mm.276098
2310014B11Rik	RIKEN cDNA 2310014B11 gene	0.75	0.00524 Mm.275266
2310014H01Rik	RIKEN cDNA 2310014H01 gene	1.21	0.0122 Mm.218511
2310015I10Rik	RIKEN cDNA 2310015I10 gene	1.52	0.0479 Mm.260325
2310016C08Rik	RIKEN cDNA 2310016C08 gene	0.61	0.0016 Mm.45161
2310020H20Rik	RIKEN cDNA 2310020H20 gene	0.76	0.00269 Mm.29497
2310020L09Rik	RIKEN cDNA 2310020L09 gene	1.37	0.00146 Mm.29293
2310021M12Rik	RIKEN cDNA 2310021M12 gene	0.68	0.000369 Mm.142343
2310022K01Rik	RIKEN cDNA 2310022K01 gene	0.86	0.0365 Mm.290410
2310036D22Rik	RIKEN cDNA 2310036D22 gene	1.42	0.0308 Mm.27742
2310040G17Rik	RIKEN cDNA 2310040G17 gene	0.72	0.00024 Mm.268156
2310042G06Rik	RIKEN cDNA 2310042G06 gene	1.20	0.0437 Mm.182294
2310045A20Rik	RIKEN cDNA 2310045A20 gene	1.24	0.00816 Mm.235020
2310046G15Rik	RIKEN cDNA 2310046G15 gene	0.73	0.0368 Mm.250438
2310047I15Rik	RIKEN cDNA 2310047I15 gene	0.67	0.00218 Mm.236878
2310061A22Rik	RIKEN cDNA 2310061A22 gene	1.41	0.0448 Mm.3676
2310066P17Rik	RIKEN cDNA 2310066P17 gene	0.73	0.00584 Mm.289427
2310076K21Rik	RIKEN cDNA 2310076K21 gene	1.82	0.00113 Mm.277533
2400004E04Rik	RIKEN cDNA 2400004E04 gene	0.73	0.0193 Mm.7124
2400006A19Rik	RIKEN cDNA 2400006A19 gene	2.87	0.000000126 Mm.27591
2400009B11Rik	RIKEN cDNA 2400009B11 gene	0.83	0.0493 Mm.21202
2400010D15Rik	RIKEN cDNA 2400010D15 gene	1.67	0.00544 Mm.196596
2410002K23Rik	RIKEN cDNA 2410002K23 gene	0.83	0.0401 Mm.123366
2410002O22Rik	RIKEN cDNA 2410002O22 gene	1.44	0.0099 Mm.272541
2410011G03Rik	RIKEN cDNA 2410011G03 gene	1.93	0.00000369 Mm.27886
2410011K10Rik	RIKEN cDNA 2410011K10 gene	0.80	0.0312 Mm.273285
2410012M04Rik	RIKEN cDNA 2410012M04 gene	1.22	0.0324 Mm.5915
2410018C20Rik	RIKEN cDNA 2410018C20 gene	1.21	0.041 Mm.281473
2410018G23Rik	RIKEN cDNA 2410018G23 gene	2.43	0.000228 Mm.28626
2410043F08Rik	RIKEN cDNA 2410043F08 gene	1.53	0.00185 Mm.286536
2410046H15Rik	RIKEN cDNA 2410046H15 gene	0.78	0.0131 Mm.282888
2410153K17Rik	RIKEN cDNA 2410153K17 gene	0.78	0.0127 Mm.232789
2500002K03Rik	RIKEN cDNA 2500002K03 gene	1.22	0.0432 Mm.29181
2510009N07Rik	RIKEN cDNA 2510009N07 gene	0.79	0.0246 Mm.29087
2510010F15Rik	RIKEN cDNA 2510010F15 gene	1.23	0.0188 Mm.183368
2510025K24Rik	RIKEN cDNA 2510025K24 gene	0.72	0.0354 Mm.87456
2510049I19Rik	RIKEN cDNA 2510049I19 gene	0.69	0.000828 Mm.28327

2600013G09Rik	RIKEN cDNA 2600013G09 gene	1.37	0.0158 Mm.30191
2610001E17Rik	RIKEN cDNA 2610001E17 gene	1.47	0.0152 Mm.181074
2610002J02Rik	RIKEN cDNA 2610002J02 gene	1.21	0.0287 Mm.10374
2610016C12Rik	RIKEN cDNA 2610016C12 gene	1.19	0.0247 Mm.41775
2610019F03Rik	RIKEN cDNA 2610019F03 gene	0.79	0.026 Mm.5727
2610020H15Rik	RIKEN cDNA 2610020H15 gene	1.90	0.000123 Mm.281887
2610024A01Rik	RIKEN cDNA 2610024A01 gene	0.68	0.0238 Mm.281287
2610036D13Rik	RIKEN cDNA 2610036D13 gene	0.78	0.00302 Mm.29068
2610042N09Rik	RIKEN cDNA 2610042N09 gene	0.37	0.0000418 Mm.248647
2610042O14Rik	RIKEN cDNA 2610042O14 gene	1.18	0.0498 Mm.44218
2610102K23Rik	RIKEN cDNA 2610102K23 gene	1.25	0.0317 Mm.294783
2610102M01Rik	RIKEN cDNA 2610102M01 gene	0.73	0.0316 Mm.21485
2610103J23Rik	RIKEN cDNA 2610103J23 gene	1.36	0.0491 Mm.288982
2610209L14Rik	RIKEN cDNA 2610209L14 gene	0.53	0.0128 Mm.268103
2610301B20Rik	RIKEN cDNA 2610301B20 gene	1.28	0.000812 Mm.23962
2610311I19Rik	RIKEN cDNA 2610311I19 gene	1.32	0.0237 Mm.270382
2610318G18Rik	RIKEN cDNA 2610318G18 gene	0.85	0.0297 Mm.290488
2610318K02Rik	RIKEN cDNA 2610318K02 gene	0.82	0.0213 Mm.220942
2610510B01Rik	RIKEN cDNA 2610510B01 gene	0.71	0.0448 Mm.23230
2610510D13Rik	RIKEN cDNA 2610510D13 gene	0.69	0.0103 Mm.268185
2610528J11Rik	RIKEN cDNA 2610528J11 gene	0.81	0.0466 Mm.34431
2700002L06Rik	RIKEN cDNA 2700002L06 gene	1.26	0.0213 Mm.232293
2700007P21Rik	RIKEN cDNA 2700007P21 gene	0.81	0.0299 Mm.268092
2700038L12Rik	RIKEN cDNA 2700038L12 gene	0.82	0.0378 Mm.245683
2700049B16Rik	RIKEN cDNA 2700049B16 gene	1.24	0.0464 Mm.64790
2700055K07Rik	RIKEN cDNA 2700055K07 gene	0.61	0.0128 Mm.29358
2700063A19Rik	RIKEN cDNA 2700063A19 gene	0.65	0.00121 Mm.291752
2700075B01Rik	RIKEN cDNA 2700075B01 gene	0.84	0.0259 Mm.108596
2700082D03Rik	RIKEN cDNA 2700082D03 gene	0.81	0.0403 Mm.259121
2810002E22Rik	RIKEN cDNA 2810002E22 gene	1.35	0.0115 Mm.211535
2810011M08Rik	RIKEN cDNA 2810011M08 gene	0.79	0.0208 Mm.239675
2810024B22Rik	RIKEN cDNA 2810024B22 gene	1.76	0.000199 Mm.273836
2810025M15Rik	RIKEN cDNA 2810025M15 gene	0.77	0.0123 Mm.286863
2810036M19Rik	RIKEN cDNA 2810036M19 gene	1.72	0.0023 Mm.34776
2810406K24Rik	RIKEN cDNA 2810406K24 gene	0.79	0.0369 Mm.18589
2810413N20Rik	RIKEN cDNA 2810413N20 gene	0.80	0.00628 Mm.292720
2810417H13Rik	RIKEN cDNA 2810417H13 gene	1.42	0.0326 Mm.269025

2810423G08Rik	RIKEN cDNA 2810423G08 gene	0.75	0.00909 Mm.265007
2810428F02Rik	RIKEN cDNA 2810428F02 gene	1.20	0.031 Mm.29647
2810432L12Rik	RIKEN cDNA 2810432L12 gene	0.72	0.00759 Mm.24564
2810435D12Rik	RIKEN cDNA 2810435D12 gene	0.59	0.0000657 Mm.41506
2810439F02Rik	RIKEN cDNA 2810439F02 gene	1.39	0.0136 Mm.52526
2810453I06Rik	RIKEN cDNA 2810453I06 gene	0.65	0.00324 Mm.290816
2900008M13Rik	RIKEN cDNA 2900008M13 gene	1.25	0.0142 Mm.86933
2900027G03Rik	RIKEN cDNA 2900027G03 gene	0.73	0.00364 Mm.301367
2900084M01Rik	RIKEN cDNA 2900084M01 gene	0.83	0.0345 Mm.185413
3010001K23Rik	RIKEN cDNA 3010001K23 gene	0.83	0.0452 Mm.258324
3010033I09Rik	RIKEN cDNA 3010033I09 gene	0.63	0.00643 Mm.289674
3010033P07Rik	RIKEN cDNA 3010033P07 gene	6.50	4.43E-08 Mm.13944
3100002M17Rik	RIKEN cDNA 3100002M17 gene	0.85	0.0298 Mm.26017
3110004L20Rik	RIKEN cDNA 3110004L20 gene	0.65	0.0017 Mm.23932
3110009E18Rik	RIKEN cDNA 3110009E18 gene	0.81	0.0162 Mm.271602
3110017O03Rik	RIKEN cDNA 3110017O03 gene	1.21	0.0217 Mm.41779
3110038L01Rik	RIKEN cDNA 3110038L01 gene	0.69	0.0372 Mm.29429
3110043J09Rik	RIKEN cDNA 3110043J09 gene	1.22	0.031 Mm.128411
3110052N05Rik	RIKEN cDNA 3110052N05 gene	1.29	0.00718 Mm.236127
3110065C23Rik	RIKEN cDNA 3110065C23 gene	1.30	0.0196 Mm.234757
3110070M22Rik	RIKEN cDNA 3110070M22 gene	1.99	0.000113 Mm.46679
3200002M19Rik	RIKEN cDNA 3200002M19 gene	1.24	0.0301 Mm.284491
3300001H21Rik	RIKEN cDNA 3300001H21 gene	0.78	0.00775 Mm.220975
3632451O06Rik	RIKEN cDNA 3632451O06 gene	0.87	0.0301 Mm.282412
3732409C05Rik	RIKEN cDNA 3732409C05 gene	1.75	0.0124 Mm.206919
3830408P04Rik	RIKEN cDNA 3830408P04 gene	1.68	0.00203 Mm.12912
3830421F13Rik	RIKEN cDNA 3830421F13 gene	1.45	0.018 Mm.253042
3830613O22Rik	RIKEN cDNA 3830613O22 gene	0.69	0.0388 Mm.272974
4632413K17Rik	RIKEN cDNA 4632413K17 gene	1.21	0.0189 Mm.295246
4632415L05Rik	RIKEN cDNA 4632415L05 gene	0.83	0.0269 Mm.37735
4732429D16Rik	RIKEN cDNA 4732429D16 gene	1.21	0.0312 Mm.294107
4732435N03Rik	RIKEN cDNA 4732435N03 gene	1.36	0.00971 Mm.116889
4732452J19Rik	RIKEN cDNA 4732452J19 gene	0.78	0.0416 Mm.87252
4732486I23Rik	RIKEN cDNA 4732486I23 gene	1.63	0.000538 Mm.34850
4832415H08Rik	RIKEN cDNA 4832415H08 gene	1.23	0.0345 Mm.287131
4833417L20Rik	RIKEN cDNA 4833417L20 gene	1.53	0.0115 Mm.196382
4833420G17Rik	RIKEN cDNA 4833420G17 gene	1.64	0.000267 Mm.9860

4833420K19Rik	RIKEN cDNA 4833420K19 gene	1.28	0.0359 Mm.27293
4921525H23Rik	RIKEN cDNA 4921525H23 gene	0.79	0.0226 Mm.27123
4921528E07Rik	RIKEN cDNA 4921528E07 gene	1.60	0.0000744 Mm.121918
4930403J22Rik	RIKEN cDNA 4930403J22 gene	0.86	0.031 Mm.271988
4930422J18Rik	RIKEN cDNA 4930422J18 gene	2.04	0.00043 Mm.30
4930449E07Rik	RIKEN cDNA 4930449E07 gene	1.31	0.0124 Mm.133570
4930451A13Rik	RIKEN cDNA 4930451A13 gene	0.73	0.00103 Mm.257819
4930472G13Rik	RIKEN cDNA 4930472G13 gene	1.47	0.00131 Mm.127692
4930488L10Rik	RIKEN cDNA 4930488L10 gene	0.78	0.00293 Mm.2962
4930511A21Rik	RIKEN cDNA 4930511A21 gene	1.25	0.00505 Mm.12848
4930524H12Rik	RIKEN cDNA 4930524H12 gene	1.23	0.0136 Mm.29830
4930526B11Rik	RIKEN cDNA 4930526B11 gene	0.78	0.00802 Mm.179267
4930534K13Rik	RIKEN cDNA 4930534K13 gene	1.21	0.027 Mm.259672
4930544L10Rik	RIKEN cDNA 4930544L10 gene	0.83	0.0334 Mm.235366
4930548G07Rik	RIKEN cDNA 4930548G07 gene	0.80	0.0128 Mm.152466
4930565N07Rik	RIKEN cDNA 4930565N07 gene	0.86	0.0283 Mm.295918
4930570C03Rik	RIKEN cDNA 4930570C03 gene	0.81	0.0245 Mm.28955
4930579A11Rik	RIKEN cDNA 4930579A11 gene	1.34	0.0448 Mm.243797
4930586I02Rik	RIKEN cDNA 4930586I02 gene	0.83	0.0286 Mm.127378
4931428D14Rik	RIKEN cDNA 4931428D14 gene	1.23	0.0254 Mm.128663
4932416N17Rik	RIKEN cDNA 4932416N17 gene	0.68	0.00022 Mm.159176
4932432K03Rik	RIKEN cDNA 4932432K03 gene	0.75	0.0112 Mm.252040
4933402K05Rik	RIKEN cDNA 4933402K05 gene	1.64	0.017 Mm.259801
4933412D19Rik	RIKEN cDNA 4933412D19 gene	0.73	0.0014 Mm.46722
4933425C05Rik	RIKEN cDNA 4933425C05 gene	0.84	0.0494 Mm.87449
4933433D23Rik	RIKEN cDNA 4933433D23 gene	1.37	0.0158 Mm.46067
5430413I02Ri	RIKEN cDNA 5430413I02 gene	1.43	0.0169 Mm.23776
5430435G22Rik	RIKEN cDNA 5430435G22 gene	1.47	0.00117 Mm.44508
5530401C11Rik	RIKEN cDNA 5530401C11 gene	0.78	0.0227 Mm.28507
5630400A09Rik	RIKEN cDNA 5630400A09 gene	1.45	0.0039 Mm.9210
5730403B10Rik	RIKEN cDNA 5730403B10 gene	0.84	0.0479 Mm.272866
5730408C10Rik	RIKEN cDNA 5730408C10 gene	0.66	0.0108 Mm.267395
5730421E18Rik	RIKEN cDNA 5730421E18 gene	0.71	0.00581 Mm.283342
5730442A20Rik	RIKEN cDNA 5730442A20 gene	1.34	0.0415 Mm.22421
5730442K12Rik	RIKEN cDNA 5730442K12 gene	0.68	0.00207 Mm.22758
5730494M16Rik	RIKEN cDNA 5730494M16 gene	1.20	0.0124 Mm.263189
5730536A07Rik	RIKEN cDNA 5730536A07 gene	1.25	0.022 Mm.27107

5830400N10Rik	RIKEN cDNA 5830400N10 gene	1.74	0.000126 Mm.240252
5830404H04Rik	RIKEN cDNA 5830404H04 gene	0.84	0.0244 Mm.1465
5830413E08Rik	RIKEN cDNA 5830413E08 gene	1.99	0.00139 Mm.21697
5830417I10Rik	RIKEN cDNA 5830417I10 gene	0.77	0.00406 Mm.126870
5830426I05Rik	RIKEN cDNA 5830426I05 gene	1.36	0.0132 Mm.21516
5830446M03Rik	RIKEN cDNA 5830446M03 gene	0.85	0.0175 Mm.28916
6030411F23Rik	RIKEN cDNA 6030411F23 gene	1.36	0.000581 Mm.5356
6030432N09Rik	RIKEN cDNA 6030432N09 gene	0.69	0.000722 Mm.247039
6030458C11Rik	RIKEN cDNA 6030458C11 gene	0.60	0.0000657 Mm.207311
6230410J09Rik	RIKEN cDNA 6230410J09 gene	0.85	0.0371 Mm.280929
6330406I15Rik	RIKEN cDNA 6330406I15 gene	1.90	0.0326 Mm.63262
6430517J16Rik	RIKEN cDNA 6430517J16 gene	1.25	0.0167 Mm.248559
6720480D16Rik	RIKEN cDNA 6720480D16 gene	0.81	0.0451 Mm.296036
7420700H20Rik	RIKEN cDNA 7420700H20 gene	0.74	0.0183 Mm.7381
8030466O12Rik	RIKEN cDNA 8030466O12 gene	0.83	0.0492 Mm.297097
8430419L09Rik	RIKEN cDNA 8430419L09 gene	0.79	0.00567 Mm.34182
8430420C20Rik	RIKEN cDNA 8430420C20 gene	1.24	0.0244 Mm.257952
9030408N13Rik	RIKEN cDNA 9030408N13 gene	1.47	0.00148 Mm.31056
9030409G11Rik	RIKEN cDNA 9030409G11 gene	1.28	0.0447 Mm.281393
9030425C21Rik	RIKEN cDNA 9030425C21 gene	0.77	0.00993 Mm.171334
9130011B11Rik	RIKEN cDNA 9130011B11 gene	1.40	0.00139 Mm.251196
9130017L10Rik	RIKEN cDNA 9130017L10 gene	1.53	0.0101 Mm.283495
9130020G10Rik	RIKEN cDNA 9130020G10 gene	0.69	0.0049 Mm.252312
9130221H12Rik	RIKEN cDNA 9130221H12 gene	0.82	0.0176 Mm.294664
9130410M22Rik	RIKEN cDNA 9130410M22 gene	0.75	0.0218 Mm.24670
9130417A21Rik	RIKEN cDNA 9130417A21 gene	2.51	0.0000744 Mm.24163
9130422G05Rik	RIKEN cDNA 9130422G05 gene	1.37	0.0125 Mm.252239
9330161F08Rik	RIKEN cDNA 9330161F08 gene	0.79	0.0067 Mm.258402
9430015G10Rik	RIKEN cDNA 9430015G10 gene	0.82	0.0157 Mm.68999
9430059P22Rik	RIKEN cDNA 9430059P22 gene	0.78	0.00109 Mm.275409
9430077D24Rik	RIKEN cDNA 9430077D24 gene	1.44	0.00774 Mm.265125
9430079M16Rik	RIKEN cDNA 9430079M16 gene	0.82	0.0433 Mm.21814
9430083G14Rik	RIKEN cDNA 9430083G14 gene	0.80	0.0104 Mm.161014
9430098E02Rik	RIKEN cDNA 9430098E02 gene	0.55	0.00000369 Mm.29321
9530046H09Rik	RIKEN cDNA 9530046H09 gene	0.76	0.00443 Mm.74362
9930104E21Rik	RIKEN cDNA 9930104E21 gene	1.24	0.0317 Mm.154275
A230046K03Rik	RIKEN cDNA A230046K03 gene	1.38	0.0308 Mm.278577

A230103N10Rik	RIKEN cDNA A230103N10 gene	1.25	0.0263 Mm.247113
A430103C15Rik	RIKEN cDNA A430103C15 gene	2.22	0.000361 Mm.193094
A530016L24Rik	RIKEN cDNA A530016L24 gene	0.83	0.0409 Mm.185209
A530088I07Rik	RIKEN cDNA A530088I07 gene	0.54	0.0347 Mm.121705
A530089I17Rik	RIKEN cDNA A530089I17 gene	1.36	0.00318 Mm.277242
A530090O15Rik	RIKEN cDNA A530090O15 gene	1.25	0.00505 Mm.40298
A630065K24Rik	RIKEN cDNA A630065K24 gene	1.51	0.00982 Mm.39723
A730011O11Rik	RIKEN cDNA A730011O11 gene	0.75	0.00341 Mm.29786
A830007P12Rik	RIKEN cDNA A830007P12 gene	0.76	0.0263 Mm.119747
A830023I12Rik	RIKEN cDNA A830023I12 gene	0.78	0.0217 Mm.193122
A830073O21Rik	RIKEN cDNA A830073O21 gene	0.74	0.0371 Mm.222728
A930001N09Rik	RIKEN cDNA A930001N09 gene	0.65	0.00127 Mm.275414
A930009M04Rik	RIKEN cDNA A930009M04 gene	1.55	0.023 Mm.219675
A930018B01Rik	RIKEN cDNA A930018B01 gene	0.84	0.00906 Mm.266328
A930025J12Rik	RIKEN cDNA A930025J12 gene	0.26	1.35E-08 Mm.260712
A930037G23Rik	RIKEN cDNA A930037G23 gene	0.87	0.0491 Mm.258909
A930040G15Rik	RIKEN cDNA A930040G15 gene	0.84	0.0128 Mm.107646
B130024L21Rik	RIKEN cDNA B130024L21 gene	1.33	0.00173 Mm.1960
B230379M23Rik	RIKEN cDNA B230379M23 gene	0.86	0.0383 Mm.35108
B430218L07Rik	RIKEN cDNA B430218L07 gene	1.27	0.00891 Mm.151962
C030018L16Rik	RIKEN cDNA C030018L16 gene	0.84	0.0467 Mm.288739
C030019F02Rik	RIKEN cDNA C030019F02 gene	0.81	0.0263 Mm.40361
C130058N24Rik	RIKEN cDNA C130058N24 gene	1.29	0.0158 Mm.44135
C130076O07Rik	RIKEN cDNA C130076O07 gene	1.42	0.0479 Mm.208439
C330016O16Rik	RIKEN cDNA C330016O16 gene	0.64	0.000106 Mm.156227
C530046L02Rik	RIKEN cDNA C530046L02 gene	1.22	0.0127 Mm.74587
C630002M10Rik	RIKEN cDNA C630002M10 gene	1.33	0.0123 Mm.262328
C730049F20Rik	RIKEN cDNA C730049F20 gene	1.27	0.0363 Mm.202665
C820004H04Rik	RIKEN cDNA C820004H04 gene	1.92	0.00214 Mm.297530
D430024K22Rik	RIKEN cDNA D430024K22 gene	1.36	0.00497 Mm.34316
D430025H09Rik	RIKEN cDNA D430025H09 gene	0.72	0.03 Mm.269413
D930038M13Rik	RIKEN cDNA D930038M13 gene	0.50	0.00966 Mm.209236
E030006K04Rik	RIKEN cDNA E030006K04 gene	1.91	0.00229 Mm.247642
E030025D05Rik	RIKEN cDNA E030025D05 gene	0.59	0.00269 Mm.93759
E030027H19Rik	RIKEN cDNA E030027H19 gene	1.22	0.0424 Mm.27519
E130304C20Rik	RIKEN cDNA E130304C20 gene	1.55	0.00502 Mm.27740
E130307H12Rik	RIKEN cDNA E130307H12 gene	0.70	0.00383 Mm.28604

E430007K15Rik	RIKEN cDNA E430007K15 gene	1.26	0.0135 Mm.273990
E430018J23Rik	RIKEN cDNA E430018J23 gene	0.87	0.0286 Mm.219955
E430025L02Rik	RIKEN cDNA E430025L02 gene	0.74	0.0329 Mm.33498
E430028B21Rik	RIKEN cDNA E430028B21 gene	1.17	0.0464 Mm.290758
F830020C16Rik	RIKEN cDNA F830020C16 gene	0.74	0.00671 Mm.844
G630041M05Rik	RIKEN cDNA G630041M05 gene	1.44	0.037 Mm.245357