Table Y: List of differentially expressed genes (genome wide) in hypthalamus of chow fed mice (B6.CAST-17 congenics vs B6 (WT))

ProbeID	GeneName	Fold difference	UniGene
848895		-7.04	
499305	RIKEN cDNA 5530600A18 gene	-4.85	Mm.141054
578478	cDNA sequence BC007180	-4.42	
547772	nitric oxide synthase 3 endothelial cell	-4.38	Mm.258415
526851	myozenin 3	-4.27	Mm.252321
630135	anillin actin binding protein (scraps homolog Drosophila)	-4.04	Mm.282751
355189		-3.67	
673010	olfactory receptor 47	-3.67	Mm.222840
825725	t-complex testis expressed 1	-3.58	Mm.1948
915758	vacuolar protein sorting 24 (yeast)	-3.51	Mm.181278
339472	septin 4	-3.36	Mm.2214
901876		-3.29	Mm.361980
797869	testis specific gene A2	-3.24	Mm.12743
889390	nucleoporin 160	-3.23	Mm.24532
928140	synuclein alpha	-3.11	Mm.17484
316090		-3.08	
770146	tumor necrosis factor receptor superfamily member 1a	-3.08	Mm.1258
730931		-3.06	
462366	sortilin-related VPS10 domain containing receptor 2	-3.06	Mm.34113
700437		-3.03	
675389		-3.00	
543097		-2.98	
530601		-2.95	
878686	RIKEN cDNA B930011P16 gene	-2.95	Mm.371759
900650	olfactory receptor 298	-2.94	
305687		-2.90	
596781		-2.90	
870156		-2.88	
879977		-2.88	
667698		-2.87	
421828	RIKEN cDNA 2900057D21 gene	-2.85	Mm.202322
743997		-2.85	Mm.264651;Mm.326683
900419		-2.84	
560696	similar to low density lipoprotein receptor-related protein 3	-2.83	

360536	transcription elongation regulator 1-like	-2.83	Mm.334297
806912		-2.82	
561189	splicing factor arginine/serine-rich 12	-2.82	Mm.33908
649997	Ngfi-A binding protein 1	-2.82	Mm.25903
731666	ubiquitin specific protease 38	-2.81	Mm.13437
607840	lipopolysaccharide binding protein	-2.79	Mm.218846
376741		-2.79	
726304	RIKEN cDNA 5033414D02 gene	-2.77	Mm.275511
787569		-2.75	
650020	serologically defined colon cancer antigen 33 like	-2.75	
730122	B lymphoma Mo-MLV insertion region 1	-2.74	Mm.289584
640613		-2.72	
504932	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	-2.72	Mm.181862
862842		-2.71	
750696	similar to ribosomal protein S18	-2.70	
915442	glyoxalase 1	-2.70	Mm.261984
919579		-2.70	
925620		-2.68	
844296		-2.67	
893683		-2.67	
487259		-2.65	
333908		-2.65	
908632	myosin Vb	-2.64	Mm.260098
914352	RIKEN cDNA B430110G05 gene	-2.63	Mm.301740
531711		-2.63	
570528	RIKEN cDNA 4932432K03 gene	-2.61	Mm.370262
606395		-2.60	
755157		-2.59	
628682	Bcl-2 binding component 3	-2.58	Mm.7660
907358	expressed sequence AI225782	-2.57	Mm.349603
747095		-2.57	
629089	NIMA (never in mitosis gene a)-related expressed kinase 8	-2.57	Mm.23788
837926		-2.55	
377736		-2.55	
585136	KH-type splicing regulatory protein	-2.54	Mm.34296
552134		-2.54	
305864		-2.54	
915102	proteolipid protein 2	-2.52	Mm.18565
352907		-2.52	

576175	RIKEN cDNA A830006F12 gene	-2.52	Mm.255460
448942	cDNA sequence BC038286	-2.52	Mm.273062
892311		-2.52	
749633	F-box and leucine-rich repeat protein 15	-2.51	Mm.19973
387221	olfactory receptor 1504	-2.50	
571401		-2.50	
699232	trophoblast glycoprotein	-2.50	Mm.20864
443738		-2.49	
433425		-2.49	
321598	transgelin 2	-2.48	Mm.271711
430779		-2.48	
663332		-2.47	
518663	transmembrane protein 41B	-2.47	Mm.43212
639587	guanine nucleotide binding protein (G protein) gamma 12	-2.47	Mm.234342
922224	histidine decarboxylase	-2.46	Mm.18603
883169	serine palmitoyltransferase long chain base subunit 2	-2.45	Mm.565
786361	undifferentiated embryonic cell transcription factor 1	-2.45	Mm.10205
454527	phosphodiesterase 3B cGMP-inhibited	-2.45	Mm.103319
402609	cyclin H	-2.44	Mm.18474
591232	UDP-GalNAc:betaGlcNAc beta 1 3-galactosaminyltransferase polypeptide 2	-2.44	Mm.21686
547739	procollagen type XI alpha 1	-2.42	Mm.209715
418284	glucocorticoid modulatory element binding protein 1	-2.42	Mm.103489
617994		-2.41	
841266	RIKEN cDNA C730024G19 gene	-2.41	
891994		-2.41	Mm.315962
743006	cytidine 5'-triphosphate synthase	-2.38	Mm.1815
666288	cDNA sequence AK129302	-2.38	Mm.336158
552069	acid phosphatase-like 2	-2.38	Mm.233031
907352	heat shock 27kDa protein 8	-2.37	Mm.21549
590162	F-box and leucine-rich repeat protein 3	-2.36	Mm.214746
833737		-2.35	
894286		-2.35	
681592	hairy and enhancer of split 2 (Drosophila)	-2.35	Mm.57038
445595		-2.34	Mm.246934
787142		-2.33	
408227	neuroepithelial cell transforming gene	-2.33	Mm.22261

	1		
343043	integrin-linked kinase-associated serine/threonine phosphatase 2C	-2.33	Mm.337240
910080	tousled-like kinase 2 (Arabidopsis)	-2.32	Mm.126976
572843	homeo box B3	-2.32	Mm.342481
415875	RIKEN cDNA 1700128F08 gene	-2.32	Mm.159758
884286	Bcl-associated death promoter	-2.32	Mm.4387
456018	RIKEN cDNA 1700019G17 gene	-2.32	Mm.24454
309430	cofactor required for Sp1 transcriptional activation subunit 3	-2.29	
403281	RIKEN cDNA 4933409K03 gene	-2.29	
801698		-2.28	
461669	programmed cell death protein 7	-2.28	Mm.29193
691068		-2.28	Mm.180873
643027	chondroitin sulfate proteoglycan 5	-2.27	Mm.38496
464798	nucleosome binding protein 1	-2.27	Mm.298443
642048	RIKEN cDNA 1700007K13 gene	-2.26	
449542	spondin 1 (f-spondin) extracellular matrix protein	-2.25	Mm.334160
822417	RIKEN cDNA 5630401D24 gene	-2.24	Mm.270569
917492	lymphocyte antigen 96	-2.24	Mm.116844
507807	RIKEN cDNA 5330414O08 gene	-2.23	Mm.228995
765189	RIKEN cDNA 9430023P16 gene	-2.23	Mm.270775
548781		-2.23	
470378	A kinase (PRKA) anchor protein 8	-2.22	Mm.328945
361374		-2.22	
435883		-2.22	
318312	RIKEN cDNA 4921537D05 gene	-2.22	Mm.296971
447230	general transcription factor IIIC polypeptide 4	-2.22	Mm.26043
643728		-2.21	
407916		-2.21	
639061	inhibitor of growth family member 1-like	-2.20	Mm.272313
690253	ligand of numb-protein X 1	-2.20	Mm.370189
423160	FK506 binding protein 10	-2.20	Mm.3894
897805		-2.19	
872447		-2.19	
641229	kangai 1 (suppression of tumorigenicity 6 prostate)	-2.19	Mm.4261
847731		-2.19	
566166	RIKEN cDNA 4930487N19 gene	-2.18	
920918	cytotoxic T lymphocyte-associated protein 2 alpha	-2.18	Mm.358584
428202	SMAD specific E3 ubiquitin protein	-2.18	Mm.340955

	ligase 2		
387701		-2.18	
475763		-2.18	
733569	cytochrome P450 family 27 subfamily a polypeptide 1	-2.18	Mm.85083
701783	tumor necrosis factor alpha-induced protein 8	-2.17	Mm.27740
462877	RIKEN cDNA 1810043M15 gene	-2.17	Mm.260975
410868		-2.17	
309086		-2.17	
900391		-2.16	
370630		-2.16	
847697		-2.16	
867102	RIKEN cDNA 4921521J11 gene	-2.15	Mm.252421
595996		-2.13	Mm.218533
362413		-2.13	
475446		-2.13	
308858		-2.13	
427906	RIKEN cDNA 9630033F20 gene	-2.12	Mm.101836
336308		-2.12	
364788		-2.12	
707674	EF hand domain containing 2	-2.12	Mm.17917
751293	RIKEN cDNA 1700021P22 gene	-2.12	
930166	RIKEN cDNA D530033C11 gene	-2.11	Mm.176347
749766		-2.11	
830737		-2.11	
538993	paraneoplastic antigen MA1	-2.11	Mm.272814
360013		-2.11	
783824	NAD(P)H:quinone oxidoreductase type 3 polypeptide A2	-2.11	Mm.280230
350967		-2.10	
732704	formin binding protein 3	-2.10	Mm.257474
307847	potassium voltage gated channel Shaw-related subfamily member 1	-2.10	Mm.249386
320321		-2.10	
562819		-2.09	
652995		-2.09	
865203	zinc finger protein 180	-2.09	Mm.32254
861824		-2.09	
908128		-2.09	
712325	PHD finger protein 20-like 1	-2.09	
535868	TAF7 RNA polymerase II TATA box binding protein (TBP)-associated factor	-2.08	Mm.236009

468003	pyrroline-5-carboxylate reductase family member 2	-2.08	Mm.274180
894320		-2.07	
898470		-2.07	
908720		-2.07	
353741		-2.07	
905468	RIKEN cDNA 5730427C23 gene	-2.07	Mm.45104
438225		-2.07	
756978		-2.07	
730462	cysteine-rich hydrophobic domain 2	-2.06	Mm.239814
760279	RIKEN cDNA 3110001I20 gene	-2.06	
609505	hypothetical protein 4933409I22	-2.06	Mm.248902
555087		-2.06	
515794	zinc finger protein 36 C3H type-like 1	-2.06	Mm.235132
319951	doublesex and mab-3 related transcription factor like family A2	-2.05	Mm.32825
481425		-2.05	
584826		-2.05	Mm.294662
340849	NOL1/NOP2/Sun domain family member 5	-2.05	Mm.281189
539389	RIKEN cDNA 1700019P01 gene	-2.05	Mm.86807
352609	lymphocyte antigen 6 complex locus G5B	-2.04	Mm.104680
448904	protease serine 25	-2.04	Mm.21880
375429	laminin beta 3	-2.04	Mm.287014
462974		-2.04	
848401	RIKEN cDNA 2810459M11 gene	-2.04	
430449		-2.03	
516266		-2.03	
376054	plexin B1	-2.03	Mm.53862
861512		-2.03	
316378	vacuolar protein sorting 4a (yeast)	-2.03	Mm.236004
818408	RIKEN cDNA C230052I12 gene	-2.03	Mm.206921
922280		-2.03	Mm.234437
619090		-2.03	
308725	SUMO/sentrin specific protease 8	-2.03	Mm.279070
616195	PRP4 pre-mRNA processing factor 4 homolog B (yeast)	-2.02	Mm.10027
390723	double C2 beta	-2.02	Mm.5137
501879		-2.02	
378193		-2.02	
770658		-2.02	
732869	rhophilin Rho GTPase binding protein 1	-2.02	Mm.57052

339017	intestinal cell kinase	-2.02	Mm.288719
418685	TAF12 RNA polymerase II TATA box binding protein (TBP)-associated factor	-2.02	Mm.331926
436208	RIKEN cDNA 4932417I16 gene	-2.01	
485549	RIKEN cDNA 2810422B04 gene	-2.01	Mm.30256
664222	goosecoid	-2.01	Mm.129
381892	RIKEN cDNA E130113K08 gene	-2.01	Mm.101711
658053		-2.01	
545658	BAT2 domain containing 1	-2.01	
921316	LIM and senescent cell antigen-like domains 1	-2.01	Mm.57734
503170	HIV-1 tat interactive protein 2 homolog (human)	-2.01	Mm.20801
902474	RuvB-like protein 1	-2.00	Mm.358675
902693		-2.00	
826419	CXXC finger 6	-2.00	
686931	RIKEN cDNA 1700012B15 gene	-1.99	Mm.309774
380370	HCF-binding transcription factor Zhangfei	-1.99	Mm.29496
505561		-1.99	
854640		-1.99	
659271	cDNA sequence AB041803	-1.99	Mm.371693
647392	pumilio 2 (Drosophila)	-1.98	Mm.341243
662346	RIKEN cDNA 2010106G01 gene	-1.98	Mm.269928
498201		-1.98	
390266	RIKEN cDNA 2510002D24 gene	-1.98	
399900		-1.98	
424711	solute carrier family 16 (monocarboxylic acid transporters) member 6	-1.98	Mm.265874
722633	pericentrin 1	-1.98	Mm.4379
585926		-1.97	
755154		-1.97	
844889	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)	-1.97	Mm.259191
681631	exportin 5	-1.97	Mm.275039
334859	myeloid/lymphoid or mixed-lineage leukemia	-1.97	
508579	RIKEN cDNA 1110001M19 gene	-1.96	
851162	jagged 2	-1.96	Mm.186146
533164	NK2 transcription factor related locus 5 (Drosophila)	-1.96	Mm.41974
588567		-1.96	

510538		-1.96	
908496	neuropeptide Y	-1.96	Mm.154796
397954	RIKEN cDNA 3830406C13 gene	-1.95	Mm.44068
451990		-1.95	Mm.288730
312816		-1.95	Mm.275728
481086	nucleotide binding protein 1	-1.95	Mm.29037
529171	N-ethylmaleimide sensitive fusion protein attachment protein gamma	-1.95	
565921	PHD finger protein 8	-1.95	Mm.17156
408325		-1.95	
309111	Kruppel-like factor 16	-1.95	Mm.41513
721089	scaffold attachment factor B	-1.95	
610708	protein phosphatase 4 regulatory subunit 2	-1.95	Mm.336119
896494		-1.95	Mm.371551
312593		-1.94	
917291	histocompatibility 2 D region locus 1	-1.94	Mm.358603
780008		-1.94	
905072	eukaryotic translation initiation factor 2 alpha kinase 4	-1.94	Mm.217616
537933		-1.94	
894339		-1.94	
369820		-1.93	
353516	RIKEN cDNA B230354K17 gene	-1.93	Mm.206588
404796		-1.93	
913940	cold shock domain protein A	-1.93	Mm.299604
346494		-1.93	
892440		-1.93	
795622		-1.92	
721938		-1.92	
714461	sestrin 3	-1.92	Mm.325126
431622	potassium voltage gated channel Shaw-related subfamily member 4	-1.92	Mm.101976
916013	lymphocyte specific 1	-1.92	Mm.234003
492594		-1.92	
659019		-1.92	
756127	empty spiracles homolog 1 (Drosophila)	-1.92	
848264	expressed sequence AI661311	-1.91	
439756		-1.91	Mm.331628
671688	open reading frame 21	-1.91	Mm.10628
451244	peptidylprolyl isomerase (cyclophilin)-like 4	-1.91	Mm.38927
546340	ras homolog gene family member Q	-1.91	Mm.826

636062	pantothenate kinase 3	-1.91	Mm.255044
659293	polymerase (DNA directed) mu	-1.91	Mm.260194
527622	RIKEN cDNA 2310057J16 gene	-1.91	
918912	carbohydrate sulfotransferase 10	-1.91	Mm.260054
305197	RIKEN cDNA 5730470L24 gene	-1.90	Mm.208619
900970		-1.90	Mm.328846
709252		-1.90	
353742		-1.90	Mm.38195;Mm.183650
606307	autophagy 12-like (S. cerevisiae)	-1.90	Mm.9852
900210		-1.90	
703252	gene model 918 (NCBI)	-1.90	
545120	RIKEN cDNA 2010109K11 gene	-1.90	Mm.341352
669220	zinc finger FYVE domain containing 20	-1.89	Mm.290734
922700		-1.89	
300409	nuclear factor erythroid derived 2 -like 1	-1.89	Mm.6743
722231	regulatory solute carrier protein family 1 member 1	-1.89	Mm.328621
867280	SET and MYND domain containing 5	-1.89	Mm.219946
667590	ankyrin repeat domain 10	-1.89	Mm.12459
350024	G protein-coupled receptor 135	-1.89	Mm.373621
482174	actinin alpha 4	-1.89	Mm.276042
554614	RIKEN cDNA 4833447P13 gene	-1.89	
582022	trans-acting transcription factor 4	-1.89	Mm.259312
439737		-1.89	
430041		-1.89	
329882	solute carrier family 13 (sodium-dependent dicarboxylate transporter) member 3	-1.89	Mm.250738
858718	tudor domain containing 3	-1.88	Mm.35168
334157	melanoma associated antigen (mutated) 1	-1.88	Mm.273418
475845	cysteinyl leukotriene receptor 1	-1.88	Mm.287166
781928		-1.88	
819149	Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 2	-1.88	Mm.272321
533269	solute carrier family 30 (zinc transporter) member 6	-1.87	Mm.243943
896390		-1.87	
506066	sema domain transmembrane domain (TM) and cytoplasmic domain (semaphorin) 6A	-1.87	Mm.40909
626298	sperm associated antigen 1	-1.87	Mm.295539

656054		-1.87	
477411		-1.87	
739893	phosphorylase kinase alpha 2	-1.87	Mm.350712
800770		-1.86	
541510		-1.86	
447254		-1.86	
333751	ISL1 transcription factor LIM/homeodomain (islet 1)	-1.85	Mm.42242
613688	epidermodysplasia verruciformis 2	-1.85	Mm.116675
878037		-1.85	
854132	synaptoporin	-1.85	Mm.317515
923449		-1.85	Mm.276338;Mm.300225
443708		-1.85	
782590	RIKEN cDNA 2810427I04 gene	-1.85	Mm.27925
900227		-1.84	
741104	cytoplasmic polyadenylation element binding protein 1	-1.84	Mm.273122
450173		-1.84	
879263		-1.84	
774374		-1.84	
850217	chemokine-like factor super family 4	-1.84	Mm.29658
816794	chromodomain helicase DNA binding protein 7	-1.84	
695915	RIKEN cDNA 2810013M15 gene	-1.84	Mm.45748
327248		-1.84	
677573		-1.84	
838836		-1.84	
895717		-1.83	
687571	pleckstrin homology domain containing family A member 5	-1.83	Mm.247670
493729	RIKEN cDNA 9930021J03 gene	-1.83	Mm.329801
864480		-1.83	
851991		-1.83	
365566	guanine monphosphate synthetase	-1.83	
924614	phosphoenolpyruvate carboxykinase 1 cytosolic	-1.83	Mm.266867
406304	RIKEN cDNA 0610011N22 gene	-1.83	Mm.101586
490133		-1.83	
332584		-1.82	
671603		-1.82	
478646	G protein-coupled receptor 64	-1.82	Mm.213016
670901	cDNA sequence AF155546	-1.82	Mm.139166
302796	pol polyprotein	-1.82	

592258		-1.82	Mm.348219;Mm.220853
698359		-1.82	
507527		-1.82	
485658		-1.82	
901323		-1.82	
648047		-1.82	Mm.354649
446731		-1.82	
756098	nuclear receptor coactivator 6	-1.82	Mm.27592
632465	DNA segment Chr 10 Wayne State University 93 expressed	-1.82	Mm.27443
468294	reprimo TP53 dependent G2 arrest mediator candidate	-1.82	Mm.27086
559476		-1.82	
458300	RIKEN cDNA 3110032G18 gene	-1.82	Mm.296138
773570	cDNA sequence BC013529	-1.81	Mm.33716
902190		-1.81	
810159		-1.81	
917034		-1.81	
740356	RIKEN cDNA B930041F14 gene	-1.81	Mm.29083
811655	torsin family 1 member B	-1.81	Mm.249164
587121	growth arrest specific 1	-1.81	Mm.22701
515555		-1.81	
600412	RIKEN cDNA E130203B14 gene	-1.81	Mm.187910
753625	cadherin 10	-1.81	
829772	RIKEN cDNA 1700011J10 gene	-1.81	Mm.296825
629502		-1.81	
352205	SPARC related modular calcium binding 1	-1.81	Mm.273295
684161		-1.81	
406056	ubiquitin-activating enzyme E1C	-1.81	Mm.277626
885676	protein phosphatase 2 regulatory subunit B delta isoform	-1.81	Mm.258739
909262	expressed sequence AW107703	-1.81	
794619	methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)	-1.80	Mm.249016
340346		-1.80	
389103		-1.80	Mm.88790;Mm.196598
456721		-1.80	
739489	phosphodiesterase 5A cGMP-specific	-1.80	Mm.214137
861961	RIKEN cDNA 4732486I23 gene	-1.80	
411121	cathepsin F	-1.80	Mm.29561
766206	DNA segment Chr 9 ERATO Doi 280 expressed	-1.80	Mm.258310

632193	SEC63-like (S. cerevisiae)	-1.80	Mm.214344
796510	plasma glutamate carboxypeptidase	-1.80	Mm.158251
575393	ProSAPiP1 protein	-1.80	Mm.330594
635073	tropomodulin 1	-1.79	Mm.249594
926125	ELAV (embryonic lethal abnormal vision Drosophila)-like 4 (Hu antigen D)	-1.79	Mm.3970
402924	cDNA sequence BC035295	-1.79	Mm.294969
705194		-1.79	
913333	RIKEN cDNA A230106M15 gene	-1.79	Mm.12654
859802	G protein-coupled receptor 89	-1.79	Mm.46722
410126	RIKEN cDNA 1700009P17 gene	-1.79	Mm.32760
614425	cerebellin 1 precursor protein	-1.79	Mm.4880
566878	carbohydrate (chondroitin) synthase 1	-1.79	
322844	period homolog 3 (Drosophila)	-1.79	Mm.121361
676310	RIKEN cDNA 6330505F04 gene	-1.79	Mm.72753
839916		-1.79	
562451	hypoxia inducible factor 1 alpha subunit	-1.79	Mm.234710
836179		-1.79	
298316		-1.79	
494056	heat shock protein 1 (chaperonin 10)	-1.79	Mm.215667
668849		-1.79	
893850		-1.78	
917445	pyruvate dehydrogenase kinase isoenzyme 2	-1.78	Mm.29768
916039	expressed sequence AI429152	-1.78	Mm.288005
554150	solute carrier family 30 (zinc transporter) member 4	-1.78	Mm.27801
390542	tumor protein D52	-1.78	Mm.371590
477726	lectin mannose-binding 1	-1.78	Mm.290857
701255		-1.78	
418641	cask-interacting protein 2	-1.78	Mm.215122
373292	ataxia telangiectasia mutated homolog (human)	-1.78	Mm.5088
828461	RIKEN cDNA 0610042I15 gene	-1.78	Mm.294821
825717	nucleolar protein 5	-1.77	Mm.220367
856039		-1.77	
727332	mitochondrial ribosomal protein L17	-1.77	Mm.44225
603206	SWI/SNF related matrix associated actin dependent regulator of chromatin subfamily a member 4	-1.77	Mm.286593
395798	TAR DNA binding protein	-1.77	Mm.24083
553888	DNA segment Chr 5 ERATO Doi 606 expressed	-1.77	Mm.236587

783504		-1.77	
635291		-1.77	
755543	queuine tRNA-ribosyltransferase 1	-1.76	Mm.24178
771905		-1.76	
368815	RIKEN cDNA 4631424J17 gene	-1.76	
364405	F-box only protein 5	-1.76	Mm.197520
395134		-1.76	
799118	dystrophin related protein 2	-1.76	Mm.121662
522270	RAB member of RAS oncogene family-like 4	-1.76	Mm.30191
735450		-1.76	Mm.271701
610086		-1.76	Mm.265610
685673	elongation factor RNA polymerase II 2	-1.76	
555538	DMRT-like family B with proline-rich C-terminal 1	-1.76	
722166	integrin beta 4 binding protein	-1.76	Mm.271674
628393	tRNA splicing endonuclease 2 homolog (SEN2 S. cerevisiae)	-1.76	Mm.291208
574782	zinc finger DHHC domain containing 14	-1.76	Mm.328751
401243		-1.76	
623858	transmembrane protein 39a	-1.76	Mm.310476
928412	endothelial cell-specific adhesion molecule	-1.75	Mm.41751
442475		-1.75	
866152		-1.75	
911721	nuclear receptor subfamily 4 group A member 1	-1.75	Mm.119
359842	cDNA sequence BC026744	-1.75	Mm.4079
643847	glial cell line derived neurotrophic factor family receptor alpha 4	-1.75	Mm.198399
901462	proline rich protein HaeIII subfamily 1	-1.75	Mm.354963
531093		-1.75	
663116		-1.74	
612126	gene model 519 (NCBI)	-1.74	
365724	mitogen-activated protein kinase 8 interacting protein 3	-1.74	Mm.43081
916704		-1.74	Mm.24281
323302	tripartite motif protein 8	-1.74	Mm.219613
337040	RIKEN cDNA 2010111I01 gene	-1.74	
922033		-1.74	
608748		-1.74	
594434	solute carrier family 16 (monocarboxylic acid transporters) member 2	-1.74	Mm.5045
781520	SH3-domain binding protein 4	-1.74	Mm.170983

700731		-1.74	
503883		-1.74	
892644		-1.73	Mm.296338
782998	membrane protein palmitoylated 5 (MAGUK p55 subfamily member 5)	-1.73	Mm.313594
641605	RIKEN cDNA 1100001E04 gene	-1.73	
359259		-1.73	
923079	diacylglycerol kinase delta	-1.73	
747302		-1.73	
902405		-1.73	
614729	acyl-Coenzyme A binding domain containing 5	-1.73	Mm.181973
608623		-1.73	
897391		-1.73	
825178	vesicle-associated membrane protein 4	-1.73	Mm.10699
760604		-1.73	
917388	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	-1.73	Mm.32780
577469	tubulin beta 6	-1.73	Mm.181860
556632		-1.73	
827938	protocadherin 10	-1.73	Mm.242644
570468	arrestin domain containing 1	-1.73	Mm.45275
843424	ligase I DNA ATP-dependent	-1.73	Mm.288179
440444		-1.73	
514955		-1.73	
330820	poly(A) polymerase gamma	-1.72	Mm.61064
901987		-1.72	Mm.328846
461421	RIKEN cDNA 2610208M17 gene	-1.72	Mm.370550
894160		-1.72	
477588	GDP-mannose 4 6-dehydratase	-1.72	Mm.247143
706652	F-box and leucine-rich repeat protein 14	-1.72	Mm.125477
393460	pleckstrin homology domain containing family M (with RUN domain) member 2	-1.72	
924756	TEA domain family member 3	-1.72	Mm.6655
839040	heme oxygenase (decycling) 1	-1.72	Mm.276389
917008	cytoplasmic FMR1 interacting protein 1	-1.72	Mm.37249
764722		-1.72	
678741		-1.71	
690156	MAS-related GPR member F	-1.71	Mm.215151
311243	cellular retinoic acid binding protein II	-1.71	Mm.4757

518333	DnaJ (Hsp40) homolog subfamily A member 3	-1.71	Mm.325524
456666	cDNA sequence BC068281	-1.71	Mm.146087
869966		-1.71	
438218	prickle-like 2 (Drosophila)	-1.71	
606938		-1.71	
573000		-1.71	
638098		-1.71	
923835	zinc binding alcohol dehydrogenase domain containing 2	-1.71	Mm.147052
524894	kelch-like 21 (Drosophila)	-1.71	
803218	zinc finger protein 668	-1.71	Mm.207872
466137	ankyrin repeat and FYVE domain containing 1	-1.71	Mm.10313
734492	sine oculis-related homeobox 3 homolog (Drosophila)	-1.71	Mm.370208
734744	RIKEN cDNA 4930488E11 gene	-1.71	Mm.20154
921350	growth arrest and DNA-damage-inducible gamma interacting protein 1	-1.71	Mm.276291
367887	expressed sequence AI429612	-1.71	Mm.28844
710361	high mobility group AT-hook 1	-1.70	Mm.4438
326972	Moloney leukemia virus 10	-1.70	Mm.1597
807235		-1.70	Mm.254559
580870	RIKEN cDNA 0610039J04 gene	-1.70	Mm.24141
745125	cleavage and polyadenylation specific factor 1	-1.70	Mm.45141
356302	WD repeat domain 3	-1.70	Mm.24591
914289	meteorin glial cell differentiation regulator-like	-1.70	Mm.153566
521521		-1.70	
614268		-1.70	
844330		-1.70	Mm.291901
759431	dihydrodiol dehydrogenase (dimeric)	-1.70	Mm.34208
916109	RIKEN cDNA 1700021F05 gene	-1.70	Mm.209953
329248		-1.70	
773899	sprouty protein with EVH-1 domain 1 related sequence	-1.69	Mm.245890
420293	Kv channel interacting protein 4	-1.69	Mm.160172
313407		-1.69	
778929	lin 7 homolog c (C. elegans)	-1.69	Mm.235300
905863		-1.69	
531694	UDP-Gal:betaGlcNAc beta 1 4-galactosyltransferase polypeptide 3	-1.69	Mm.274011
387190		-1.69	
923203	retinoid X receptor beta	-1.69	Mm.1243
744894		-1.69	Mm.275808

640447		-1.69	Mm.133370
341371	claudin 4	-1.69	Mm.7339
895253		-1.68	Mm.11376
498112	calcium channel voltage-dependent beta 4 subunit	-1.68	Mm.330223
383544	eukaryotic translation initiation factor 2 subunit 2 (beta)	-1.68	Mm.373568
638351		-1.68	
502443	protein kinase C zeta	-1.68	Mm.28561
623313		-1.68	Mm.223689
426883		-1.68	
920252	mesoderm specific transcript	-1.68	Mm.1089
477355		-1.68	
827226	insulin-like growth factor 2 receptor	-1.68	Mm.371566
511501	RIKEN cDNA 2410001C21 gene	-1.68	Mm.25157
576020	RIKEN cDNA 2310033P09 gene	-1.68	Mm.358708
773069		-1.68	
528110		-1.67	
914922	RIKEN cDNA 1110059P08 gene	-1.67	Mm.227983
713140	G protein-coupled receptor 103	-1.67	Mm.330975
714679	guanine monphosphate synthetase	-1.67	
462500	adducin 2 (beta)	-1.67	Mm.104155
692062	phosphatidylinositol-4-phosphate 5-kinase type 1 beta	-1.67	Mm.296409
684165	ATPase Na+/K+ transporting alpha 2 polypeptide	-1.67	Mm.207432
455895	ubiquitin specific protease 32	-1.67	
454257		-1.67	
571012	DNA segment Chr 6 Wayne State University 176 expressed	-1.67	Mm.258484
908871	SCAN domain-containing 1	-1.67	Mm.373538
298853	RIKEN cDNA 2810032G03 gene	-1.67	Mm.10434
427858		-1.67	
426694	proline-rich nuclear receptor coactivator 1	-1.67	
395749	tafazzin	-1.67	Mm.268483
515681		-1.67	
733081	thyroid hormone receptor associated protein 2	-1.67	Mm.206238
599807	mediator of RNA polymerase II transcription subunit 8 homolog (yeast)	-1.67	Mm.259567
759163	RIKEN cDNA 1810013B01 gene	-1.66	Mm.335427
836828	expressed sequence 2 embryonic lethal	-1.66	Mm.256480
495291	inhibitor of kappa light polypeptide	-1.66	Mm.282743

	enhancer in B-cells kinase complex-associated protein		
915302	cartilage acidic protein 1	-1.66	Mm.313558
885819	hypothetical gene supported by AK039231; AK039519; AK039710; AK045832	-1.66	Mm.330987
301448	pro-opiomelanocortin-alpha	-1.66	Mm.277996
465508	heme binding protein 2	-1.66	Mm.35551
893813		-1.66	
883789	MRS2-like magnesium homeostasis factor (S. cerevisiae)	-1.66	
659709	plastin 3 (T-isoform)	-1.66	Mm.28777
606838	cDNA sequence BC033596	-1.66	
690255	protein phosphatase 1D magnesium-dependent delta isoform	-1.66	Mm.45609
728239	glutathione S-transferase mu 6	-1.66	Mm.347437
663849		-1.66	
826245	ST3 beta-galactoside alpha-2 3-sialyltransferase 3	-1.66	Mm.251002
382361	N-acetylneuraminic acid synthase (sialic acid synthase)	-1.66	Mm.249349
372826	gene model 1529 (NCBI)	-1.66	
341150		-1.66	Mm.136456;Mm.127014
762040	pleckstrin homology-like domain family A member 2	-1.66	Mm.334344
907906		-1.66	Mm.371682
659628	Abelson helper integration site	-1.65	Mm.338387
637282	ceroid-lipofuscinosis neuronal 6	-1.65	
704458		-1.65	
930882	RIKEN cDNA A230078I05 gene	-1.65	Mm.44401
467882	ribosomal protein L41	-1.65	Mm.339491
916688	hematological and neurological expressed sequence 1	-1.65	Mm.1775
734579	gene model 203 (NCBI)	-1.65	
894542		-1.65	Mm.371578
754818	centaurin beta 2	-1.65	
346663	gene model 1060 (NCBI)	-1.65	
903921	similar to small nuclear ribonucleoprotein polypeptide A (predicted)	-1.65	
416164	RIKEN cDNA 2600016J21 gene	-1.65	Mm.46488
750302	seven in absentia 1B	-1.65	Mm.37215
914988	RIKEN cDNA 1700009P03 gene	-1.65	Mm.291542
363757	ependymin related protein 2 (zebrafish)	-1.65	Mm.275054
656907	WD repeat domain 4	-1.65	Mm.143771

352918		-1.65	
912671	RIKEN cDNA 2510038A11 gene	-1.64	Mm.39485
784582	poly(rC) binding protein 1	-1.64	Mm.274146
457671	doublecortin and CaM kinase-like 3	-1.64	Mm.26361
725563	COP9 (constitutive photomorphogenic) homolog subunit 3 (Arabidopsis thaliana)	-1.64	Mm.40
621581	proline-rich polypeptide 6	-1.64	
312951		-1.64	
337107	trinucleotide repeat containing 6a	-1.64	
496423	growth arrest and DNA-damage-inducible 45 alpha	-1.64	Mm.1236
904330	ring finger protein 7	-1.64	
633117	mevalonate kinase	-1.64	Mm.28088
383817		-1.64	Mm.285771
439826	RAN binding protein 5	-1.64	Mm.221452
760762	uridine-cytidine kinase 1-like 1	-1.64	Mm.232400
771819	RIKEN cDNA 3300001P08 gene	-1.64	Mm.30927
894994		-1.64	Mm.253533;Mm.312693
788116		-1.63	
695277	zinc finger protein 262	-1.63	
643574		-1.63	
644310		-1.63	
798582		-1.63	Mm.334499
724733		-1.63	
510075	RIKEN cDNA A230065H16 gene	-1.63	
690389		-1.63	
741156	glucuronyl C5-epimerase	-1.63	Mm.24411
352691		-1.63	Mm.40880
927656	RIKEN cDNA 1300014I06 gene	-1.63	Mm.28943
901986		-1.63	
531375	gene model 157 (NCBI)	-1.63	
436091	RIKEN cDNA 2410016F19 gene	-1.63	Mm.64104
666845	glutamate receptor metabotropic 5	-1.63	
592921	phosphofructokinase platelet	-1.63	Mm.273874
789531	islet cell autoantigen 1	-1.63	Mm.275683
728559	glycolipid transfer protein	-1.63	Mm.275766
307417	PR domain containing 4	-1.63	
854412	RIKEN cDNA A230046K03 gene	-1.63	
698736	cereblon	-1.63	Mm.290085
872381	Bcl2-associated athanogene 2	-1.62	Mm.247037
900980		-1.62	

827078	inhibitor of kappaB kinase beta	-1.62	Mm.277886
841580	neurolysin (metallopeptidase M3 family)	-1.62	Mm.127692
355318	RIKEN cDNA B930007L02 gene	-1.62	
739996	growth factor erv1 (S. cerevisiae)-like (augmenter of liver regeneration)	-1.62	Mm.28124
503142	like-glycosyltransferase	-1.62	Mm.324371
927136	acetyl-Coenzyme A dehydrogenase long-chain	-1.62	Mm.2445
622183	stromal membrane-associated protein 1	-1.62	Mm.329963
334822	sideroflexin 1	-1.62	Mm.134191
691518		-1.62	
685490	RIKEN cDNA 5430432P15 gene	-1.62	
728873	zinc finger protein 261	-1.62	Mm.23458
643415	histone deacetylase 6	-1.62	Mm.29854
902059		-1.62	Mm.358634
900509		-1.62	
900801		-1.62	Mm.312059
447466	F-box and WD-40 domain protein 8	-1.62	Mm.221769
848594	WT1-interacting protein	-1.62	Mm.27482
598781	RIKEN cDNA 2510009E07 gene	-1.62	Mm.131606
741914	zinc finger SWIM domain containing 6	-1.61	
320345	Rab6 interacting protein 2	-1.61	Mm.370292
653356	far upstream element (FUSE) binding protein 3	-1.61	
713041	D site albumin promoter binding protein	-1.61	Mm.3459
900403		-1.61	
726825	methionine-tRNA synthetase 2 (mitochondrial)	-1.61	Mm.19223
567409	regulator of G-protein signaling 9	-1.61	Mm.38548
317132		-1.61	
423699	RIKEN cDNA 1110006I15 gene	-1.61	Mm.251890
434690	golgi phosphoprotein 2	-1.61	Mm.171335
675742	crystallin zeta (quinone reductase)-like 1	-1.61	Mm.109823
369334	solute carrier family 35 member B1	-1.61	Mm.4593
898793		-1.61	Mm.371578
567979		-1.61	
307169		-1.61	Mm.79070
453825		-1.60	
490024	RIKEN cDNA 6430502M16 gene	-1.60	Mm.213623
448995		-1.60	
358964	RIKEN cDNA 1700095N21 gene	-1.60	Mm.130952

793761	ribosomal protein L14	-1.60	Mm.289810
346344	HemK methyltransferase family member 1	-1.60	Mm.259467
537031	RIKEN cDNA 1110038B12 gene	-1.60	
579368	keratin complex 2 basic gene 6g	-1.60	Mm.358677
799854	T-cell leukemia/lymphoma 1B 5	-1.60	Mm.241933
468172		-1.60	
886314	RIKEN cDNA 2410018M08 gene	-1.60	Mm.327243
370258	RIKEN cDNA 1700123O20 gene	-1.60	Mm.197509
651650	expressed sequence AW050020	-1.60	Mm.262056
496174	RIKEN cDNA C230078M08 gene	-1.60	Mm.133211
434261	inositol 1 4 5-triphosphate receptor 1	-1.60	Mm.227912
353849	RIKEN cDNA 9530077C05 gene	-1.60	Mm.280669
573930		-1.60	
408185	nuclear VCP-like	-1.60	Mm.263464
925205		-1.60	
309058	WD repeat domain 11	-1.60	Mm.229323
523702	cullin 3	-1.60	Mm.12665
431457	RIKEN cDNA 2700067D09 gene	-1.60	Mm.373584
673505	ATP citrate lyase	-1.60	Mm.282039
583555	DNA segment Chr 12 ERATO Doi 771 expressed	-1.60	Mm.159185
816114	SPRY domain-containing SOCS box 4	-1.60	Mm.335370
892381		-1.60	Mm.350080
536571	cDNA sequence BC037112	-1.60	
516346	cortistatin	-1.59	Mm.6204
516708	interleukin-1 receptor-associated kinase 1 binding protein 1	-1.59	Mm.41415
368354		-1.59	
860445	neurexophilin 1	-1.59	Mm.46954
794818		-1.59	
927515	nicalin homolog (zebrafish)	-1.59	Mm.302791
755786	membrane protein palmitoylated 6 (MAGUK p55 subfamily member 6)	-1.59	Mm.41288
781669		-1.59	Mm.271953
464051	RIKEN cDNA D230025D16 gene	-1.59	Mm.334761
656612		-1.59	
378176	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)	-1.59	Mm.21399
687426	RIKEN cDNA 2700029E10 gene	-1.59	Mm.46742
468042	solute carrier family 39 (metal ion transporter) member 6	-1.59	Mm.21688
898193		-1.59	
538756	cDNA sequence BC025519	-1.59	

516127		-1.59	
454349	MAP3K12 binding inhibitory protein 1	-1.59	Mm.25656
909676	interferon regulatory factor 2 binding protein 1	-1.59	Mm.274237
659670		-1.59	
366162		-1.59	
919369	RIKEN cDNA 1700030A21 gene	-1.59	Mm.25661
498745		-1.59	
778903		-1.59	
924461	glucocorticoid induced transcript 1	-1.59	Mm.210787
763789		-1.59	
454017	replication protein A2	-1.59	Mm.2870
796055		-1.59	
904864	RIKEN cDNA 1110032O16 gene	-1.59	
411501		-1.59	
664157	coiled-coil-helix-coiled-coil-helix domain containing 5	-1.59	Mm.40621
892921		-1.59	Mm.348392
930776	DnaJ (Hsp40) homolog subfamily C member 12	-1.59	Mm.32550
430677	glutamate receptor ionotropic AMPA2 (alpha 2)	-1.58	Mm.220224
899564		-1.58	Mm.330075
856951		-1.58	
816904	RIKEN cDNA 2210021J22 gene	-1.58	Mm.33706
362030		-1.58	
931120	eukaryotic translation initiation factor 2 subunit 3 structural gene Y-linked	-1.58	Mm.250909
547133		-1.58	
930618	splicing factor arginine/serine rich 9	-1.58	Mm.287826
446228	RIKEN cDNA 6330403K07 gene	-1.58	Mm.27768
810533	solute carrier family 39 (zinc transporter) member 1	-1.58	Mm.354052
923230	RNA binding motif protein X chromosome	-1.58	Mm.28275
868644	polymerase (RNA) II (DNA directed) polypeptide K	-1.58	Mm.27375
631969	DnaJ (Hsp40) homolog subfamily B member 12	-1.58	Mm.103610
403289		-1.58	
330885	adaptor-related protein complex 3 mu 1 subunit	-1.58	Mm.370223
562485	chemokine (C-C motif) ligand 7	-1.58	Mm.341574
662391	eukaryotic translation initiation factor 2 alpha kinase 3	-1.58	Mm.247167
387820	ubiquitin protein ligase E3A	-1.58	Mm.9002
921193	RIKEN cDNA 2810027O19 gene	-1.58	Mm.181767

476125	neurogenin 3	-1.58	Mm.57236
650789		-1.58	Mm.253836;Mm.156909
494196	double cortin and calcium/calmodulin-dependent protein kinase-like 1	-1.57	Mm.295263
931046	G protein-coupled receptor 19	-1.57	Mm.4787
904707	eukaryotic translation initiation factor 4 gamma 3	-1.57	Mm.360223
681165	olfactory receptor 386	-1.57	
361141	syntaxin binding protein 3	-1.57	Mm.316894
522798		-1.57	
719517	adaptor protein complex AP-1 sigma 1	-1.57	Mm.833
708117	zinc finger protein 354C	-1.57	Mm.103674
917423	endoplasmic reticulum protein 29	-1.57	Mm.154570
356898		-1.57	
339692	serine-arginine repressor protein	-1.57	Mm.156636
619584	sulfotransferase family 1A phenol-preferring member 1	-1.57	Mm.17339
405650	RIKEN cDNA 2410004L22 gene	-1.57	Mm.27355
508555	RIKEN cDNA 1110014D18 gene	-1.57	Mm.27762
459544	protein phosphatase 1 regulatory (inhibitor) subunit 13 like	-1.57	Mm.360352
565731	phosphatase and actin regulator 4	-1.57	Mm.331929
841470		-1.57	
824293		-1.57	Mm.332257
742936	mitochondrial ribosomal protein L3	-1.57	Mm.29746
810326	RIKEN cDNA 2310061I09 gene	-1.57	Mm.7280
576743	gene model 88 (NCBI)	-1.57	
912021	granzyme F	-1.57	Mm.14431
790322		-1.57	
898929	golgi autoantigen golgin subfamily a 7	-1.57	Mm.196269
559153	carbohydrate sulfotransferase 2	-1.57	Mm.212446
639341	fibroblast growth factor receptor-like 1	-1.57	Mm.35691
898366		-1.57	Mm.300639
711366	RIKEN cDNA 1810073P09 gene	-1.57	
330673		-1.57	
886260	olfactory receptor 1490	-1.57	
605422	zinc finger protein 322a	-1.57	Mm.286454
369139	translocase of outer mitochondrial membrane 70 homolog A (yeast)	-1.57	Mm.373552
818145	olfactory receptor 544	-1.57	
559508	mannose phosphate isomerase 1	-1.57	
407336	potassium channel tetramerisation domain containing 12b	-1.57	Mm.271572

879389	transcription elongation factor A (SII) 2	-1.57	Mm.24245
721129	RIKEN cDNA 1700027J05 gene	-1.57	Mm.358725
360759	RIKEN cDNA 1810045K17 gene	-1.57	Mm.28917
896360		-1.57	
899413	olfactory receptor 154	-1.56	
925886	DAZ associated protein 1	-1.56	Mm.148693
302170		-1.56	
919801		-1.56	
542293		-1.56	
901776	mitochondrial ribosomal protein L23	-1.56	Mm.12144
652721	cystin 1	-1.56	Mm.359851
370560	cyclin L1	-1.56	Mm.175612
560089	src homology 2 domain-containing transforming protein D	-1.56	Mm.20908
515114	RIKEN cDNA A930004K21 gene	-1.56	Mm.293284
505490	zinc finger protein 40	-1.56	Mm.21025
793521	DEAH (Asp-Glu-Ala-His) box polypeptide 38	-1.56	Mm.23705
381222		-1.56	Mm.371625
573106	RIKEN cDNA 4732471D19 gene	-1.56	Mm.342789
561061		-1.56	
499733		-1.56	
477531	mannosidase beta A lysosomal-like	-1.56	
825608		-1.56	
660792	tripartite motif protein 46	-1.56	Mm.331156
829098	trophinin	-1.56	Mm.3597
832595	amylo-1 6-glucosidase 4-alpha-glucanotransferase	-1.56	
359931	similar to Shb-like adapter protein Shf - human	-1.56	
412527		-1.56	
779097	RIKEN cDNA 0610037P05 gene	-1.56	Mm.42072
932312	RIKEN cDNA 2610002J02 gene	-1.56	
738014	RIKEN cDNA 1110007A13 gene	-1.56	Mm.97383
510371	RIKEN cDNA 5730457F11 gene	-1.56	Mm.87319
727418	RIKEN cDNA 1200008A14 gene	-1.56	Mm.257449
916489	porcupine homolog (Drosophila)	-1.56	Mm.153107
456584	mitochondrial ribosomal protein S35	-1.55	Mm.46656
916476	zinc finger DHHC domain containing 4	-1.55	Mm.261606
891940		-1.55	Mm.319719
724987	solute carrier family 39 (zinc transporter) member 3	-1.55	Mm.5353
538620	tachykinin 1	-1.55	Mm.1440

581283	olfactory receptor 1449	-1.55	Mm.329749
868762	transcription factor CP2	-1.55	Mm.219040
723765	importin 13	-1.55	Mm.287810
644897	myoneurin	-1.55	Mm.200378
707801	FGFR1 oncogene partner 2	-1.55	Mm.333499
379659	glutamyl-prolyl-tRNA synthetase	-1.55	
313142	RIKEN cDNA 2500001K11 gene	-1.55	Mm.322656
499918	mitogen activated protein kinase 13	-1.55	Mm.27970
766447	protein tyrosine phosphatase receptor type N	-1.55	Mm.2902
680529	solute carrier family 30 (zinc transporter) member 9	-1.55	Mm.234455
555604	RIKEN cDNA A630007B06 gene	-1.55	Mm.131555
488156		-1.55	
398278		-1.55	
921380	embryonal Fyn-associated substrate	-1.55	Mm.236438
676587		-1.55	
446128	ST3 beta-galactoside alpha-2 3-sialyltransferase 4	-1.55	Mm.275973
893279	karyopherin (importin) beta 1	-1.55	Mm.251013
783232	leucine rich repeat (in FLII) interacting protein 1	-1.55	Mm.45039
756242	adaptor protein complex AP-2 alpha 2 subunit	-1.55	Mm.253090
330310	RAD23a homolog (S. cerevisiae)	-1.55	Mm.255539
651746	RIKEN cDNA 5031400M07 gene	-1.55	Mm.142843
900297	brain protein 17	-1.55	Mm.373560
843786	RIKEN cDNA 0610012D09 gene	-1.55	Mm.29122
900610		-1.55	Mm.330692
506914	serine (or cysteine) proteinase inhibitor clade F member 2	-1.55	Mm.279733
902024	superoxide dismutase 1 soluble	-1.55	Mm.276325
872413		-1.55	
908080	low density lipoprotein receptor-related protein 1	-1.55	Mm.271854
619777	ADP-ribosylation factor GTPase activating protein 3	-1.55	Mm.258910
563158	mitochondrial ribosomal protein S9	-1.55	Mm.252982
480339	branched chain ketoacid dehydrogenase kinase	-1.55	Mm.8903
916666	decapping enzyme scavenger	-1.55	Mm.229110
423425	RIKEN cDNA 4631423B10 gene	-1.54	Mm.358817
931116	kinesin-associated protein 3	-1.54	Mm.4651
660182	dynein 2 light intermediate chain	-1.54	Mm.246119
531120	calcium/calmodulin-dependent protein kinase I	-1.54	Mm.277373

602516	expressed sequence AI450540	-1.54	Mm.358870
443365	betacellulin epidermal growth factor family member	-1.54	Mm.2024
893658		-1.54	Mm.337074
417276	RIKEN cDNA 4930430F08 gene	-1.54	Mm.268474
620644	heat shock 70kDa protein 4 like	-1.54	Mm.359884
917978	cytochrome b-245 alpha polypeptide	-1.54	Mm.271671
668653	RIKEN cDNA 3300001H21 gene	-1.54	Mm.220975
866961	RIKEN cDNA 5330439J01 gene	-1.54	Mm.153750
485442	erythrocyte protein band 4.1-like 4a	-1.54	Mm.3465
593476	DNA segment Chr 6 Wayne State University 163 expressed	-1.54	Mm.44228
922495	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2	-1.54	Mm.33808
501817		-1.54	
855567	von Hippel-Lindau binding protein 1	-1.54	Mm.8294
799772	DNA segment Chr 15 ERATO Doi 682 expressed	-1.54	Mm.12255
427293	inhibin beta-A	-1.54	Mm.8042
371118	microtubule-associated protein 1 B	-1.54	Mm.4173
897585	olfactory receptor 1448	-1.53	Mm.223131
616642	heat shock protein 105	-1.53	Mm.270681
907161	phosphatidylserine receptor	-1.53	Mm.24997
831603	muted	-1.53	Mm.261554
751069	peroxiredoxin 6	-1.53	Mm.186185
492094	zinc finger DHHC domain containing 1	-1.53	Mm.100917
347421	RIKEN cDNA 2310079F23 gene	-1.53	Mm.98522
732498		-1.53	
832064	stromal interaction molecule 2	-1.53	
451679	diacylglycerol kinase beta	-1.53	Mm.242576
726321	pyruvate dehydrogenase kinase isoenzyme 1	-1.53	Mm.34411
901598	ring finger protein 184	-1.53	
493638		-1.53	
303657		-1.53	Mm.30010
519774		-1.53	
343849	guanosine diphosphate (GDP) dissociation inhibitor 2	-1.53	Mm.8070
653495	RIKEN cDNA A430107D22 gene	-1.53	
893631		-1.53	
904311		-1.53	
910380	LETM1 domain containing 1	-1.53	Mm.275272
694931	RIKEN cDNA 2810421I24 gene	-1.53	Mm.30965

689792	RIKEN cDNA 2310004K06 gene	-1.53	Mm.240668
896858		-1.53	Mm.13886
680551	lung carcinoma myc related oncogene 1	-1.53	Mm.1055
685710		-1.53	Mm.344708
433903		-1.52	Mm.234165
796107	G protein-coupled receptor 146	-1.52	Mm.270003
507321	CBFA2T1 identified gene homolog (human)	-1.52	Mm.4909
436885	inhibitor of DNA binding 4	-1.52	Mm.373528
412352	HGF-regulated tyrosine kinase substrate	-1.52	Mm.7919
921189		-1.52	Mm.27660
797291	solute carrier family 25 (mitochondrial carrier citrate transporter) member 1	-1.52	Mm.229291
764159	mitogen activated protein kinase kinase 4	-1.52	Mm.27491
538485		-1.52	
906736	aldehyde dehydrogenase family 6 subfamily A1	-1.52	Mm.247510
416221	G kinase anchoring protein 1	-1.52	Mm.296625
645194	RIKEN cDNA 4632411B12 gene	-1.52	Mm.24734
900318		-1.52	
419682	mitochondrial ribosomal protein S18B	-1.52	Mm.371940
900896		-1.52	
914472	sorting nexin 16	-1.52	Mm.18110
871874		-1.52	
682171	RIKEN cDNA 0610042I15 gene	-1.52	Mm.294821
856453	down-regulator of transcription 1	-1.52	Mm.303534
856386	aspartoacylase (aminoacylase) 2	-1.52	Mm.293574
929605	ATP-binding cassette sub-family B (MDR/TAP) member 10	-1.52	Mm.274243
350159	ATP synthase H+ transporting mitochondrial F1F0 complex subunit e	-1.52	Mm.136093
622762		-1.52	
506712		-1.52	Mm.315343;Mm.27090
496413		-1.52	
363646		-1.52	
794880	translin-associated factor X	-1.52	Mm.5248
640761		-1.52	
655533	guanine nucleotide binding protein (G protein) gamma 12	-1.52	Mm.234342
500013	UDP-glucose dehydrogenase	-1.52	Mm.344831
907180	dentatorubral pallidoluysian atrophy	-1.52	Mm.333380

696811	REST corepressor 2	-1.52	Mm.283859
777628	cullin 5	-1.52	Mm.218910
397812	RIKEN cDNA 2010004A03 gene	-1.52	Mm.77697
627396	insulin-like growth factor 2	-1.52	Mm.3862
752039		-1.51	
507648		-1.51	
909756	DnaJ (Hsp40) homolog subfamily B member 11	-1.51	Mm.37516
861185	protein kinase AMP-activated gamma 1 non-catalytic subunit	-1.51	Mm.6670
861007	RIKEN cDNA C130010K08 gene	-1.51	
650447	xeroderma pigmentosum complementation group A	-1.51	Mm.247036
876186		-1.51	
601823	tetraspanin 6	-1.51	Mm.358674
340848	RIKEN cDNA 5830457O10 gene	-1.51	Mm.28552
604793		-1.51	
516081	zinc finger protein 445	-1.51	Mm.326477
834097	SLIT and NTRK-like family member 3	-1.51	Mm.331076
649808		-1.51	
653285	doublecortin and CaM kinase-like 2	-1.51	Mm.44490
405234	ubiquitin-conjugating enzyme E2B RAD6 homology (S. cerevisiae)	-1.51	Mm.280233
879393		-1.51	Mm.129840;Mm.358990;Mm.348047
901029		-1.51	
434699	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1	-1.51	Mm.181862
853114	potassium large conductance calcium-activated channel subfamily M beta member 4	-1.51	Mm.272157
381243	piccolo (presynaptic cytomatrix protein)	-1.51	Mm.332219
372345	low density lipoprotein-related protein 1B (deleted in tumors)	-1.51	Mm.314288
922907	mitogen activated protein kinase kinase kinase 12	-1.51	Mm.172897
926308	phospholipase A2 group VI	-1.51	Mm.155620
902002		-1.51	
895344		-1.51	Mm.2756
705411	cleavage and polyadenylation specific factor 6	-1.51	
307797		-1.51	
310004		-1.51	
923767		-1.51	
316375	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28	-1.51	Mm.307515

883587	forkhead box P4	-1.51	Mm.240062
815360		-1.51	
747719	peroxisome proliferative activated receptor gamma coactivator 1 alpha	-1.50	Mm.347722
383472	dehydrogenase/reductase (SDR family) member 6	-1.50	Mm.45121
887925	protein kinase cAMP dependent regulatory type II alpha	-1.50	Mm.253102
313764		-1.50	
335749		-1.50	
504435		-1.50	
544993		-1.50	
600098	RIKEN cDNA 5330420D20 gene	-1.50	Mm.252862
614015	formin binding protein 1-like	-1.50	Mm.209491
435261	cDNA sequence BC021611	-1.50	Mm.334875
379020		1.50	
550403	FXYD domain-containing ion transport regulator 1	1.50	Mm.1491
896773		1.50	
754469		1.50	
620405		1.50	Mm.290868
510014	signal transducer and activator of transcription interacting protein 1	1.50	Mm.25298
328533		1.50	
931645	transmembrane 4 superfamily member 11	1.50	Mm.279977
900178	RIKEN cDNA 2610318K02 gene	1.50	Mm.220942
662059		1.50	Mm.589
896014	eukaryotic translation initiation factor 2 subunit 3 structural gene X-linked	1.50	Mm.218851
491273	RIKEN cDNA C030002N13 gene	1.50	Mm.29118
466093	RIKEN cDNA 1110012M11 gene	1.50	Mm.307770
926789	ubiquitin carboxy-terminal hydrolase L1	1.50	Mm.29807
914247	RIKEN cDNA 2310079N02 gene	1.51	Mm.25296
583411	glioblastoma amplified sequence	1.51	Mm.12468
580691	LSM3 homolog U6 small nuclear RNA associated (S. cerevisiae)	1.51	Mm.246693
347342	protein tyrosine phosphatase 4a2	1.51	Mm.193688
414755	survivor of motor neuron protein interacting protein 1	1.51	Mm.35353
416604		1.51	Mm.269613;Mm.328835
347094	speckle-type POZ protein	1.51	Mm.285454
829355	MON1 homolog b (yeast)	1.51	Mm.74689
339239	dynactin 2	1.51	Mm.167537
864310	collagen triple helix repeat containing	1.51	

	1		
396014		1.51	
477069	fibroblast growth factor receptor substrate 3	1.51	Mm.89912
385737	RIKEN cDNA 1110049F12 gene	1.51	Mm.29131
321554	tweety homolog 2 (Drosophila)	1.51	Mm.271934
687684	RIKEN cDNA 4932415G12 gene	1.51	Mm.116284
401451	thioesterase superfamily member 2	1.51	Mm.2125
371775	coagulation factor III	1.51	Mm.273188
892517		1.51	
448746		1.51	
517258		1.51	
907890		1.51	Mm.247203
423438	expressed sequence AL022779	1.51	
422516	zinc finger protein 98	1.52	Mm.10103
742598		1.52	
310064		1.52	
494792	cell division cycle 2-like 1	1.52	Mm.267410
366314	RIKEN cDNA B230380D07 gene	1.52	Mm.170855
744720	Cd200 antigen	1.52	Mm.245851
435770	Mid1 interacting protein 1 (gastrulation specific G12-like (zebrafish))	1.52	Mm.29429
768683	Park2 co-regulated	1.52	
646163	anaphase promoting complex subunit 2	1.52	Mm.291624
814721		1.52	
762760	DNA segment Chr 14 ERATO Doi 436 expressed	1.52	Mm.287279
590437	RIKEN cDNA C030025P15 gene	1.52	Mm.101432
363517	OCIA domain containing 2	1.52	Mm.274892
813192	RIKEN cDNA 2810432D09 gene	1.52	Mm.90071
906740	RIKEN cDNA 2310057D15 gene	1.52	Mm.11311
896122		1.52	Mm.262000
301819	myelin and lymphocyte protein T-cell differentiation protein	1.53	Mm.39040
534221		1.53	
721827	olfactory receptor 523	1.53	Mm.334306
603800		1.53	
498790	guanine nucleotide binding protein (G protein) gamma 2 subunit	1.53	Mm.359907
561312		1.53	
571135		1.53	
892310		1.53	
727724		1.53	

742436	inositol polyphosphate-5-phosphatase A	1.53	Mm.277096
568926	RIKEN cDNA 5133401N09 gene	1.53	Mm.293919
604052	RIKEN cDNA C920006O11 gene	1.53	
929172	serologically defined colon cancer antigen 33	1.53	
356089	RIKEN cDNA B230113M03 gene	1.53	Mm.243950
320727	RIKEN cDNA 2310010G13 gene	1.53	Mm.34920
898453	NADH dehydrogenase (ubiquinone) 1 subcomplex unknown 2	1.53	Mm.334031
511504	DNA segment Chr 10 ERATO Doi 438 expressed	1.53	Mm.199964
931346	ubiquinol-cytochrome c reductase Rieske iron-sulfur polypeptide 1	1.53	Mm.181933
476672	RIKEN cDNA 5430431G03 gene	1.53	Mm.44546
903671		1.53	
902725		1.53	Mm.180873
358126		1.53	
852114	gene model 672 (NCBI)	1.53	Mm.36745
474964		1.53	
469523		1.53	
758898	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52	1.53	Mm.280544
436095	RAB18 member RAS oncogene family	1.53	Mm.132802
424077		1.53	
321632	zinc finger protein multitype 2	1.53	Mm.39496
737581	DNA segment Chr 11 ERATO Doi 498 expressed	1.54	Mm.35817
731749	eukaryotic translation initiation factor 4B	1.54	Mm.360534
795835	RIKEN cDNA 0610007P14 gene	1.54	Mm.143795
894433		1.54	
636633		1.54	
430204		1.54	
671675	RIKEN cDNA 2600005N12 gene	1.54	Mm.103384
564017		1.54	
791853		1.54	
929926	deoxythymidylate kinase	1.54	Mm.250332
892140	RIKEN cDNA 4921531G14 gene	1.54	Mm.244512
704247		1.54	
586308	secretagogin EF-hand calcium binding protein	1.54	Mm.255667
709901	DNA segment Chr 8 ERATO Doi 594 expressed	1.54	Mm.350323
901878		1.54	
874907	carboxypeptidase E	1.54	Mm.31395

324532	similar to Na+ dependent glucose transporter 1	1.54	
817008	RIKEN cDNA 2310034C09 gene	1.54	Mm.160339
329288	zinc finger protein 623	1.54	Mm.273264
894561		1.54	
758320	CDC-like kinase 2	1.54	Mm.288098
586957	DIX domain containing 1	1.54	Mm.82598
410892	synaptophysin-like protein	1.54	Mm.246304
391087	cytidine deaminase	1.54	Mm.46182
391496	RIKEN cDNA 2410018G20 gene	1.54	Mm.22351
705442	RAS guanyl releasing protein 2	1.54	Mm.77017
674079		1.55	
897399		1.55	Mm.643
896822		1.55	
861059	RIKEN cDNA 4933433P14 gene	1.55	Mm.248019
355517	signal sequence receptor alpha	1.55	Mm.138725
371523	heat-responsive protein 12	1.55	Mm.143977
900296		1.55	
355918		1.55	Mm.269474
448669		1.55	
602294		1.55	
743549	guanine nucleotide binding protein-like 3 (nucleolar)	1.55	Mm.88512
550437	RIKEN cDNA D730019B10 gene	1.55	Mm.140055
402854	monoglyceride lipase	1.55	Mm.272197
649495	cofactor required for Sp1 transcriptional activation subunit 8	1.55	Mm.330109
380086		1.55	
767850	Dip3 beta	1.55	Mm.282985
589177	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1	1.55	Mm.30249
502559		1.55	
926911	pleckstrin homology domain containing family J member 1	1.55	Mm.41479
933122		1.55	Mm.298467
534344	SET and MYND domain containing 2	1.55	Mm.156895
902972		1.56	Mm.330692
674946	RIKEN cDNA 2700088M22 gene	1.56	Mm.293181
400047	microtubule-associated protein 2	1.56	Mm.256966
424957	tubulin-specific chaperone c	1.56	Mm.33780
462742		1.56	
529324	ADP-ribosylation factor related protein 2	1.56	Mm.365328

924153		1.56	
863247		1.56	
931802	DNA segment Chr 11 ERATO Doi 333 expressed	1.56	Mm.44226
729484	X-ray repair complementing defective repair in Chinese hamster cells 1	1.56	Mm.4347
754880	COBW domain containing 1	1.56	Mm.272127
332213	fetal Alzheimer antigen	1.56	
433634	RIKEN cDNA 5730568A12 gene	1.56	Mm.128227
779444		1.56	
841966		1.56	
597793	transcription factor 4	1.56	Mm.139815
871702	myeloid ecotropic viral integration site 1	1.56	Mm.356578
327658	MAD homolog 5 (Drosophila)	1.56	Mm.272920
906306	transformation related protein 53 inducible nuclear protein 1	1.56	Mm.28708
900342		1.56	Mm.327216;Mm.335942
631704	demethyl-Q 7	1.56	Mm.20634
909961	guanine nucleotide binding protein (G protein) gamma 11	1.56	Mm.25547
511812	BCL2/adenovirus E1B 19kDa-interacting protein 1 NIP1	1.56	Mm.21795
613360	hydroxyacyl glutathione hydrolase	1.56	Mm.43784
642268	zinc finger protein 189	1.56	Mm.186994
927900	zinc finger CCHC domain containing 12	1.56	Mm.297698
481078		1.56	
892920	eukaryotic translation initiation factor 3 subunit 10 (theta)	1.56	Mm.2238
922484		1.56	Mm.648;Mm.180750
753913	protocadherin beta 22	1.57	Mm.348054
920463	microsomal glutathione S-transferase 3	1.57	Mm.218286
487686	adenylate cyclase activating polypeptide 1 receptor 1	1.57	Mm.44245
899560	cDNA sequence BC002236	1.57	Mm.338784
741122	DNA segment Chr 17 ERATO Doi 288 expressed	1.57	Mm.196330
453584		1.57	Mm.276016
898626	exostoses (multiple)-like 3	1.57	Mm.103748
347580	RIKEN cDNA 3110009E18 gene	1.57	Mm.271602
430591	RIKEN cDNA 5730455P16 gene	1.57	
930071	proline-rich nuclear receptor coactivator 2	1.57	Mm.29159
774391		1.57	
822304	ADP-ribosylation factor 4-like	1.57	Mm.266840

341403	RIKEN cDNA 9330175B01 gene	1.57	
720721	olfactory receptor 20	1.57	Mm.246526
910616	GPI-anchored membrane protein 1	1.57	Mm.254134
672509	congenital dyserythropoietic anemia type I (human)	1.57	
733592		1.57	
621903		1.57	
558482	kelch-like 13 (Drosophila)	1.57	Mm.224306
726586	RIKEN cDNA 2900002H16 gene	1.57	Mm.41180
925766	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	1.58	Mm.291723
780663	SID1 transmembrane family member 2	1.58	Mm.200859
903158	Tu translation elongation factor mitochondrial	1.58	Mm.197829
928805	exportin 6	1.58	Mm.235663
913930	RIKEN cDNA 4930517K11 gene	1.58	Mm.23690
932428	acidic (leucine-rich) nuclear phosphoprotein 32 family member E	1.58	Mm.218657
796902		1.58	
906385	protein phosphatase 2A regulatory subunit B (PR 53)	1.58	Mm.275393
793512	testis expressed gene 261	1.58	Mm.28371
672607	uroporphyrinogen decarboxylase	1.58	Mm.46484
924203	ubiquitin specific protease 52	1.58	Mm.244183
397738		1.58	Mm.220038
930927	zinc finger CCHC domain containing 10	1.58	Mm.288072
559083	bromodomain containing 1	1.58	
869342		1.58	
855531	NIMA (never in mitosis gene a)-related expressed kinase 4	1.58	Mm.251494
482840	cDNA sequence BC027342	1.58	Mm.29046
780705		1.58	
675985	YEATS domain containing 4	1.58	Mm.233529
695308	IBR domain containing 3	1.58	
666673	zinc finger protein 112	1.58	Mm.82678
516236	DNA segment Chr 12 ERATO Doi 553 expressed	1.58	Mm.275699
488282		1.58	
818745		1.58	
913984	regulator of G-protein signaling 17	1.58	Mm.44606
899752		1.58	
367142	testis expressed gene 10	1.59	
784472	phosphatidylserine synthase 1	1.59	Mm.281464
595088	sorting nexin 12	1.59	Mm.206949

550392	mitogen activated protein kinase 3	1.59	Mm.8385
717886		1.59	
849743	short coiled-coil protein	1.59	Mm.219245
761990		1.59	
443623	dynactin 4	1.59	Mm.272801
811111		1.59	
376548	phosphofurin acidic cluster sorting protein 1	1.59	Mm.234923
481074	COMM domain containing 10	1.59	Mm.210734
892957	bladder cancer associated protein homolog (human)	1.59	Mm.34330
901162		1.59	Mm.322491
511033	calcium regulated heat stable protein 1	1.59	Mm.142095
537829	protein phosphatase 2 regulatory subunit B (B56) beta isoform	1.59	Mm.118076
363511	small EDRK-rich factor 2	1.59	Mm.317642
584010	RIKEN cDNA 0710008K08 gene	1.59	Mm.64911
636303	RIKEN cDNA C730048E16 gene	1.59	Mm.24262
605815	CDW92 antigen	1.59	Mm.270088
363825	Lutheran blood group (Auberger b antigen included)	1.59	Mm.358681
349481		1.60	
911160	DnaJ (Hsp40) homolog subfamily A member 2	1.60	Mm.279692
863829		1.60	
896114		1.60	
845018	activator of basal transcription	1.60	Mm.292094
651910	replication factor C 1	1.60	Mm.148877
828543	methyl-CpG binding domain protein 1	1.60	Mm.22522
916448	deoxyuridine triphosphatase	1.60	Mm.282499
849749	RIKEN cDNA 9030607L17 gene	1.60	Mm.35802
544864	apolipoprotein D	1.60	Mm.2082
872448	cryptochrome 1 (photolyase-like)	1.60	Mm.26237
922521	RIKEN cDNA 1110056N09 gene	1.60	Mm.238034
896231		1.60	Mm.291750;Mm.140568
932903	ATPase H+ transporting V1 subunit D	1.60	Mm.311549
931424	RIKEN cDNA 1300002C08 gene	1.60	Mm.45125
318098		1.60	
481994		1.60	
563662	staufen (RNA binding protein) homolog 2 (Drosophila)	1.60	Mm.216257
899178		1.61	Mm.322491
553028	histidyl-tRNA synthetase-like	1.61	Mm.282700

381063	zinc finger protein 641	1.61	Mm.207453
932509	RIKEN cDNA A930011F22 gene	1.61	Mm.29681
404560		1.61	
899036		1.61	
330489		1.61	
573670	trichorhinophalangeal syndrome I (human)	1.61	Mm.30466
388586	kelch-like 5 (Drosophila)	1.61	Mm.10281
895998		1.61	
486901		1.61	Mm.274995
405203	rod outer segment membrane protein 1	1.61	Mm.347492
336681	tudor domain containing 7	1.61	Mm.275413
440327	CHMP family member 7	1.61	Mm.159637
798461		1.61	
437935	nuclear antigen Sp100	1.62	Mm.290906
437575		1.62	Mm.347478
896315	ring-box 1	1.62	Mm.29405
526944	methionine adenosyltransferase II alpha	1.62	Mm.29815
688520	dimethylarginine dimethylaminohydrolase 1	1.62	Mm.234247
900851		1.62	
599844	expressed sequence C77604	1.62	Mm.277413
499158	endothelin converting enzyme-like 1	1.62	Mm.140765
927015	RIKEN cDNA 0610040B21 gene	1.62	Mm.159965
300400		1.62	
804474		1.62	
906552		1.62	
856341	pterin 4 alpha carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	1.62	Mm.28145
741537	histocompatibility 2 K1 K region	1.62	Mm.16771
681425	stimulated by retinoic acid 13	1.62	Mm.259716
861222	RIKEN cDNA A330104H05 gene	1.62	Mm.91712
505384		1.62	
713690	RIKEN cDNA 2610524H06 gene	1.62	Mm.359018
653007		1.62	
931578	DNA Segment Chr 15 Mouse Genome Informatics 27	1.62	Mm.287740
907884		1.62	
592112	granulin	1.62	Mm.1568
923867	lectin galactose binding soluble 12	1.62	Mm.298242
922710	ring finger protein 2	1.62	Mm.31512

911303	RIKEN cDNA 2700049A03 gene	1.62	
898183		1.62	
799136	signal recognition particle receptor ('docking protein')	1.62	Mm.284688
730247	transforming growth factor beta receptor I	1.63	Mm.197552
899809	similar to tumor protein translationally-controlled 1	1.63	
903111		1.63	Mm.261679
904753	coiled-coil domain containing 2	1.63	Mm.240619
901980	spermidine synthase	1.63	Mm.10
788379	dihydrolipoamide dehydrogenase	1.63	Mm.3131
501289	presenilin 1	1.63	Mm.998
918603	open reading frame 19	1.63	
358762	B-cell CLL/lymphoma 6 member B	1.63	Mm.12930
415222	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 9	1.63	Mm.29939
452876		1.63	Mm.257354
437853		1.63	
682452		1.63	
438361		1.63	
802203	RIKEN cDNA 6720458F09 gene	1.63	Mm.38041
598879	RIKEN cDNA 5730478M09 gene	1.63	
506539	DNA segment Chr 6 Brigham & Women's Genetics 1452 expressed	1.63	
419892	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	1.63	Mm.39299
561884	serine/threonine kinase 11 interacting protein	1.63	Mm.312650
929595	5'-3' exoribonuclease 2	1.63	Mm.3065
896960		1.63	
626920	secreted acidic cysteine rich glycoprotein	1.64	Mm.291442
479998	EH-domain containing 3	1.64	Mm.18526
726053	spindlin	1.64	Mm.188432
913871	tetraspanin 9	1.64	Mm.21814
305822	sphingosine-1-phosphate phosphotase 2	1.64	Mm.276248
340019	Sin3-associated polypeptide 18	1.64	Mm.344671
527052	DNA segment Chr 11 KL Mohlke 35	1.64	Mm.38802
536894		1.64	
468161	eukaryotic translation initiation factor 2B subunit 4 delta	1.64	Mm.29394
586218	tumor suppressor candidate 2	1.64	Mm.21739
650993	ADP-ribosylation factor-like 10C	1.64	Mm.271178
717303	cDNA sequence BC002216	1.64	Mm.25556

536618	leucine zipper domain protein	1.64	Mm.27792
701260	protein phosphatase 1 regulatory (inhibitor) subunit 3F	1.64	Mm.148163
610774	expressed sequence AI842788	1.64	Mm.329657
401046	cDNA sequence BC024969	1.64	
895978		1.64	Mm.757
714620	RIKEN cDNA C330023F11 gene	1.65	Mm.136458
896020		1.65	Mm.199698
796975	gene model 693 (NCBI)	1.65	
893483	acid phosphatase 1 soluble	1.65	Mm.359831
915343	cell death-inducing DNA fragmentation factor alpha subunit-like effector B	1.65	Mm.10737
318627	RIKEN cDNA C630023L15 gene	1.65	Mm.40588
902724		1.65	
739728	tetraspanin 7	1.65	Mm.18590
321422		1.65	Mm.196472
744136	succinate dehydrogenase complex subunit A flavoprotein (Fp)	1.65	Mm.158231
594153	RIKEN cDNA 9230112D13 gene	1.65	
545031	RIKEN cDNA 1810073G14 gene	1.65	Mm.25632
645401	RIKEN cDNA 2510048L02 gene	1.65	Mm.154305
895273		1.65	Mm.24805
815117		1.65	
914052	RIKEN cDNA 1200006O19 gene	1.66	Mm.54126
738187	p21 (CDKN1A)-activated kinase 7	1.66	Mm.131572
316945	RIKEN cDNA A730041O15 gene	1.66	Mm.308396
552612	pyruvate dehydrogenase E1 alpha 1	1.66	Mm.34775
607889	RIKEN cDNA 4733401H18 gene	1.66	Mm.29471
325779		1.66	
894232		1.66	
349909	MAP/microtubule affinity-regulating kinase 3	1.66	Mm.28678
761065	natural killer tumor recognition sequence	1.67	Mm.32842
732153	protein tyrosine phosphatase receptor type E	1.67	Mm.945
376652		1.67	
465245	RIKEN cDNA 1500019G21 gene	1.67	Mm.6803
503448		1.67	
420857	similar to Ac2-210	1.67	
334779	Fas apoptotic inhibitory molecule 2	1.67	Mm.39760
488567		1.67	
855413		1.67	

361527	RIKEN cDNA 1810013D10 gene	1.67	
335445	procollagen type IV alpha 1	1.67	Mm.738
329996	mediator of RNA polymerase II transcription subunit 6 homolog (yeast)	1.67	Mm.279993
914911	quaking	1.67	Mm.262294
495606	Eph receptor B2	1.67	Mm.250981
916274	actin alpha 1 skeletal muscle	1.67	Mm.214950
631907	contactin associated protein-like 2	1.68	Mm.320994
398003	phosphofructokinase muscle	1.68	Mm.272582
498250	5'-3' exoribonuclease 1	1.68	Mm.291179
425404	RIKEN cDNA D330012F22 gene	1.68	Mm.187733
322115		1.68	
685967	RIKEN cDNA 1110059F07 gene	1.68	Mm.331142
869360	sphingomyelin phosphodiesterase 1 acid lysosomal	1.68	Mm.4628
776278		1.68	
440209	aspartyl-tRNA synthetase	1.69	Mm.28693
593393	RIKEN cDNA 4933406E20 gene	1.69	Mm.226534
374617	lysozyme	1.69	Mm.45436
755727	surfeit gene 1	1.69	Mm.347512
638465		1.69	Mm.358826;Mm.290597;Mm.342918;Mm.190795
861450		1.69	Mm.358826;Mm.290597;Mm.342918;Mm.190795
630457	mesoderm development candidate 1	1.69	Mm.272998
800513	U1 small nuclear ribonucleoprotein polypeptide A	1.69	Mm.216386
475705	RIKEN cDNA 2310045A20 gene	1.69	Mm.235020
896617		1.69	
342552	RIKEN cDNA 1110030L07 gene	1.69	Mm.290725
443100	gene model 1027 (NCBI)	1.69	
716038	forkhead box K1	1.69	Mm.78250
593829		1.69	
558829		1.70	
655753	polymerase (RNA) II (DNA directed) polypeptide J	1.70	Mm.4896
924477	RIKEN cDNA 3830422K02 gene	1.70	Mm.83037
325918	mannose-P-dolichol utilization defect 1	1.70	Mm.89579
903688	eukaryotic translation initiation factor 4A1	1.70	Mm.371557
586446	solute carrier organic anion transporter family member 1a4	1.70	Mm.255586

427993	solute carrier family 29 (nucleoside transporters) member 4	1.70	Mm.125942
923933	SAC3 domain containing 1	1.70	Mm.303924
744356	pleckstrin homology domain containing family B (evectins) member 1	1.70	Mm.26633
619979	RAB28 member RAS oncogene family	1.70	Mm.41555
834065	protease (prosome macropain) 26S subunit ATPase 5	1.70	Mm.272361
836725		1.70	
669461		1.70	Mm.305750
892030	tropomyosin 4	1.70	Mm.295124
824892		1.70	
799893		1.70	
458119	phospholipase C-like 2	1.70	Mm.217362
932088	RIKEN cDNA 2810021O14 gene	1.71	Mm.256185
480978	calsequestrin 2	1.71	Mm.15343
480056		1.71	
528992	cat eye syndrome chromosome region candidate 5 homolog (human)	1.71	Mm.255322
311394	RUN and TBC1 domain containing 3	1.71	Mm.274943
613647	CAP adenylate cyclase-associated protein 1 (yeast)	1.71	Mm.8687
551844		1.71	
563177		1.71	Mm.38249
603345	GRIP1 associated protein 1	1.71	Mm.194811
729611	staufen (RNA binding protein) homolog 1 (Drosophila)	1.71	Mm.73276
775070		1.71	
552773		1.71	
601289		1.71	
514617	protein kinase C substrate 80K-H	1.71	Mm.214593
353265		1.71	Mm.280083
916253	selenoprotein W muscle 1	1.71	Mm.42829
864915	mitogen activated protein kinase kinase 2	1.71	Mm.275436
697317	potassium channel tetramerisation domain containing 17	1.71	
892360		1.71	Mm.347699;Mm.342457
667925	expressed sequence AI597479	1.72	Mm.28817
917205	ubiquitin-like 5	1.72	Mm.370232
455596		1.72	
912108	cerebral cavernous malformations 1	1.72	Mm.32368
898644	similar to suppressor of initiator codon mutations related sequence 1	1.72	

315586	RIKEN cDNA C330023M02 gene	1.72	Mm.33919
424476		1.72	
892253	myeloid ecotropic viral integration site-related gene 2	1.72	Mm.360516
870208	RIKEN cDNA 2410004N11 gene	1.72	Mm.435
454989	EF hand domain containing 1	1.72	Mm.247951
347191	RAB27b member RAS oncogene family	1.72	Mm.246753
905380	vacuolar protein sorting 35	1.72	Mm.296520
844982	HRAS like suppressor 3	1.72	Mm.274810
690372		1.72	
503038		1.72	
751990		1.73	
913372	RIKEN cDNA 2410005K17 gene	1.73	Mm.36697
617353	poly (ADP-ribose) polymerase family member 2	1.73	Mm.281482
596044	fatty acid synthase	1.73	Mm.236443
535238		1.73	
692121	dynein cytoplasmic heavy chain 1	1.73	Mm.181430
729770		1.73	
341754	RIKEN cDNA 2810439M11 gene	1.73	Mm.358749
894157	RIKEN cDNA 2600013N14 gene	1.73	Mm.35492
380387	pleckstrin homology domain containing family F (with FYVE domain) member 1	1.73	Mm.333798
298558	GTPase activating protein and VPS9 domains 1	1.73	Mm.156452
896385	ornithine decarboxylase antizyme 2	1.74	Mm.116749
907987	acylphosphatase 1 erythrocyte (common) type	1.74	Mm.311985
900726	ATP synthase H+ transporting mitochondrial F0 complex subunit F	1.74	Mm.353
608868	membrane-associated ring finger (C3HC4) 8	1.74	Mm.27064
654873	inositol 1 3 4-triphosphate 5/6 kinase	1.74	Mm.347546
698774	WD repeat domain 6	1.74	Mm.335454
417734		1.74	
706371		1.74	Mm.358996
900401	cytochrome c somatic	1.74	Mm.35389
902439	similar to Rps15a protein	1.74	
910777	serine/threonine kinase 16	1.74	Mm.17461
486965	cell division cycle 42 homolog (S. cerevisiae)	1.75	Mm.1022
816056	metal response element binding transcription factor 1	1.75	Mm.272397
436768	AKT1 substrate 1 (proline-rich)	1.75	Mm.148007

583439	RIKEN cDNA 0610039A15 gene	1.75	Mm.275989
907414	RIKEN cDNA 1810027O10 gene	1.75	
902257		1.75	
648382	zinc finger protein 655	1.75	Mm.206555
895230		1.75	Mm.337074
474099	DNA methyltransferase 1-associated protein 1	1.75	Mm.29142
456571	thyroid hormone receptor interactor 3	1.75	Mm.288689
907049	kelch-like 20 (Drosophila)	1.75	Mm.255165
892320	RIKEN cDNA 1110033J19 gene	1.75	Mm.3572
340546		1.75	
406109		1.75	Mm.338723;Mm.39910
531010		1.76	
492807	cAMP responsive element binding protein 3	1.76	Mm.12407
519118		1.76	
557486	ubiquitin-conjugating enzyme E2G 2	1.76	Mm.307906
634272	pelota homolog (Drosophila)	1.76	Mm.317280
451724	calsyntenin 3	1.76	Mm.193701
656797		1.76	
367615		1.76	
596226	eukaryotic translation initiation factor 5	1.76	Mm.271222
838322	expressed sequence AW548124	1.76	Mm.311974
755201	ring finger protein 14	1.76	Mm.228903
529916		1.76	
606287	3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma polypeptide	1.76	Mm.233813
645698	Slit-like 2 (Drosophila)	1.76	Mm.248337
743740	RIKEN cDNA A730011L01 gene	1.76	Mm.271946
581321	stathmin-like 4	1.77	Mm.35474
894331		1.77	
632461	poly(rC) binding protein 3	1.77	Mm.272803
421110	cDNA sequence BC026996	1.77	Mm.30571
674609		1.77	
492007	Wolfram syndrome 1 homolog (human)	1.77	Mm.20916
400524		1.77	
453235	chromosome condensation 1-like	1.77	Mm.280068
392453	RIKEN cDNA 2310044H10 gene	1.77	Mm.294759
842114	L-3-hydroxyacyl-Coenzyme A dehydrogenase short chain	1.77	Mm.260164
785886	cytoplasmic polyadenylation element binding protein 2	1.77	Mm.7233

904378	quininoid dihydropteridine reductase	1.77	Mm.30204
908702	DnaJ (Hsp40) homolog subfamily C member 14	1.77	Mm.296915
395141	ATPase Ca++ transporting plasma membrane 1	1.77	
600352	RIKEN cDNA C230009H10 gene	1.77	Mm.347730
452037	RIKEN cDNA 1190002N15 gene	1.77	
872360	cyclin-dependent kinase 5 regulatory subunit (p35) 1	1.77	Mm.142275
770388	RIKEN cDNA 1810060J02 gene	1.77	Mm.209774
830661	guanine nucleotide binding protein (G protein) gamma 4 subunit	1.77	Mm.215394
901375		1.77	Mm.313236
912613	peroxiredoxin 5	1.78	Mm.279782
700442	mitochondrial ribosomal protein L44	1.78	
453814	DNA segment Chr 15 Wayne State University 75 expressed	1.78	Mm.373551
470920	solute carrier family 9 (sodium/hydrogen exchanger) isoform 6	1.78	Mm.17815
540859	ATP synthase H+ transporting mitochondrial F0 complex subunit c (subunit 9) isoform 3	1.78	Mm.2966
897096		1.78	
922636	protein phosphatase 1 regulatory (inhibitor) subunit 1B	1.78	Mm.45372
804789		1.78	
642885	tripartite motif protein 37	1.78	Mm.17436
506452	prickle like 1 (Drosophila)	1.78	
341223		1.78	
808517	coatomer protein complex subunit gamma	1.78	Mm.258785
503614	RIKEN cDNA 1190017O12 gene	1.79	Mm.366196
746713	importin 9	1.79	
782669		1.79	
529176	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	1.79	Mm.29975
732315	B-cell translocation gene 2 anti-proliferative	1.79	Mm.239605
365610		1.79	
928968	glutamate receptor ionotropic N-methyl D-asparate-associated protein 1 (glutamate binding)	1.79	Mm.41665
900157	high mobility group box 3	1.79	Mm.336087
611934	diazepam binding inhibitor	1.79	Mm.2785
400454	transcription elongation factor A (SII)-like 8	1.79	Mm.182094
488669	molybdenum cofactor synthesis 2	1.79	Mm.19027

489372	tyrosyl-tRNA synthetase	1.79	Mm.145488
896997		1.80	
445801	myocilin	1.80	Mm.10694
897564		1.80	
925126	trinucleotide repeat containing 5	1.80	Mm.240325
367484	RAB3B member RAS oncogene family	1.80	Mm.41580
649474	visinin-like 1	1.80	Mm.27005
299618	IQ calmodulin-binding motif containing 1	1.80	Mm.222934
627739	imprinted and ancient	1.80	Mm.8154
547326		1.80	
860673		1.80	
768402	cDNA sequence BC008155	1.81	Mm.26783
727933	acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	1.81	Mm.245724
751684	AT motif binding factor 1	1.81	Mm.196564
773713	RIKEN cDNA 4930429A08 gene	1.81	
899352	similar to Peptidyl-prolyl cis-trans isomerase A (PPIase) (Rotamase) (Cyclophilin A) (Cyclosporin A-binding protein) (SP18)	1.81	
865745		1.81	
306600	histone cell cycle regulation defective interacting protein 5	1.81	Mm.23809
566676	RIKEN cDNA 4930417P05 gene	1.81	
576001	RIKEN cDNA 4933402L21 gene	1.81	
445455	DNA segment Chr 3 University of California at Los Angeles 1	1.81	Mm.29702
673348		1.81	
771795	solute carrier organic anion transporter family member 1c1	1.81	Mm.284495
521574	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1	1.81	
851885		1.81	Mm.246550;Mm.291811
632639		1.82	
841577		1.82	
544854	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1	1.82	Mm.251255
644189	RIKEN cDNA 1810058I14 gene	1.82	
833165	nuclear receptor coactivator 4	1.82	Mm.371598
828999	RIKEN cDNA 1110034C04 gene	1.82	Mm.87077
489722	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-	1.82	Mm.259191

	acetylglucosaminyl transferase)		
531607		1.82	
356814	RIKEN cDNA 2210012G02 gene	1.82	Mm.347940
767264		1.82	
747903	DNA methyltransferase 2	1.82	Mm.6979
413216	zinc finger protein 99	1.82	Mm.26782
814480	ankyrin repeat domain 27 (VPS9 domain)	1.82	Mm.272620
532546		1.82	
363983		1.83	
491495	RIKEN cDNA 4933440H19 gene	1.83	Mm.102341
919483	cyclic nucleotide phosphodiesterase 1	1.83	Mm.15711
345950	CDC91 cell division cycle 91-like 1 (S. cerevisiae)	1.83	Mm.5434
681607	ets variant gene 4 (E1A enhancer binding protein E1AF)	1.83	Mm.5025
634118	myocyte enhancer factor 2C	1.83	Mm.24001
328460	nucleolar and coiled-body phosphoprotein 1	1.83	Mm.78861
881505		1.83	
913314	recombining binding protein suppressor of hairless (Drosophila)	1.83	Mm.209292
862922	RIKEN cDNA 2510049I19 gene	1.83	Mm.28327
900739		1.83	Mm.290816
310662		1.83	
570283	mindbomb homolog 2 (Drosophila)	1.83	Mm.235738
850650	RIKEN cDNA 2210404D11 gene	1.83	Mm.194459
924687	RGM domain family member A	1.83	Mm.333943
898407	RIKEN cDNA 1810014L12 gene	1.84	Mm.29431
686778	carbohydrate sulfotransferase 12	1.84	Mm.28934
910378	fucosyltransferase 8	1.84	Mm.35628
387395	transmembrane protein 49	1.84	Mm.243797
842560	RIKEN cDNA 2610019P18 gene	1.84	Mm.24592
476162	calnexin	1.84	Mm.248827
495959	lens intrinsic membrane protein 2	1.84	Mm.267027
681519		1.84	
901291	upstream binding protein 1	1.84	Mm.28052
835887	SEC15-like 2 (S. cerevisiae)	1.84	
929684		1.85	
298593	outer dense fiber of sperm tails 2	1.85	Mm.330116
603516	ankyrin repeat domain 28	1.85	
896171	hypothetical LOC494468	1.85	Mm.271980
588178	chaperone ABC1 activity of bc1 complex like (S. pombe)	1.85	Mm.38330

384831	PHD finger protein 3	1.85	
401807	RIKEN cDNA 4921506I22 gene	1.85	Mm.329666
387871		1.85	
493760		1.85	
402782	RIKEN cDNA 2310022B05 gene	1.85	Mm.261920
685442		1.85	
768540		1.85	
506455		1.85	
630664	mannosidase alpha class 1C member 1	1.86	Mm.18905
366015	platelet-activating factor acetylhydrolase isoform 1b alpha2 subunit	1.86	Mm.373536
674865	RIKEN cDNA 9530058B02 gene	1.86	Mm.328870
635710	RIKEN cDNA 2810022L02 gene	1.86	Mm.159989
875407	RIKEN cDNA 6720463E02 gene	1.86	Mm.246436
891930	H2A histone family member Z	1.86	Mm.117541
302772	diptheria toxin resistance protein required for diphthamide biosynthesis (Saccharomyces)-like 2	1.86	Mm.13823
860643	RIKEN cDNA 9130213B05 gene	1.86	Mm.5002
431335	lysophosphatidylglycerol acyltransferase 1	1.86	Mm.277958
361480	RIKEN cDNA 1810008K03 gene	1.86	Mm.35083
634229	antizyme inhibitor 1	1.86	Mm.250214
704125	zinc finger CW-type with coiled-coil domain 3	1.86	
422109		1.87	Mm.32019
438675	DNA segment Chr 4 Brigham & Women's Genetics 0951 expressed	1.87	Mm.273986
925384	interferon regulatory factor 3	1.87	Mm.3960
312780	cadherin 20	1.87	Mm.103640
923748	olfactomedin 3	1.87	Mm.54183
482123		1.87	
828031	SEC22 vesicle trafficking protein-like 2 (S. cerevisiae)	1.87	Mm.259164
577878	BTB and CNC homology 2	1.87	Mm.270304
685339	basic leucine zipper and W2 domains 1	1.88	Mm.261831
531811	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 13	1.88	Mm.330227
866130	RIKEN cDNA A730017C20 gene	1.88	Mm.209711
306082		1.88	
617311	hyperpolarization-activated cyclic nucleotide-gated K+ 3	1.88	Mm.12901
632882		1.88	Mm.229100

592982		1.88	
925356	testis expressed gene 264	1.88	Mm.22266
527389		1.88	
572565	similar to hypothetical protein FLJ90396	1.88	
436262	RIKEN cDNA 1110031I02 gene	1.88	Mm.220890
688078	RIKEN cDNA 3110005G23 gene	1.89	Mm.294445
917268	deleted in polyposis 1	1.89	Mm.280075
733769	ras homolog gene family member E	1.89	Mm.46497
876577		1.89	
913567	Nedd4 family interacting protein 1	1.89	
923354	RIKEN cDNA 1110038D17 gene	1.89	
841863	cortexin	1.89	Mm.34210
457339		1.89	
645280	ADP-ribosylation factor-like 13	1.90	
338333	claudin 11	1.90	Mm.4425
595676	far upstream element (FUSE) binding protein 1	1.90	Mm.278922
742757	cullin 7	1.90	Mm.329078
552021		1.90	Mm.358972
407429	craniofacial development protein 1	1.90	Mm.279437
896609		1.91	
819122	nuclear DNA binding protein	1.91	Mm.287982
868502	RIKEN cDNA 5730410I19 gene	1.91	Mm.34261
508390	RIKEN cDNA C030002E08 gene	1.91	
562750		1.91	Mm.208736;Mm.327649
665569		1.92	
421078	paired-like homeobox 2b	1.92	Mm.62505
502469		1.92	Mm.132868
875639	chimerin (chimaerin) 1	1.92	Mm.257073
359418	vasoactive intestinal polypeptide	1.92	Mm.98916
726622	capping protein (actin filament) gelsolin-like	1.92	Mm.18626
583928	copine II	1.92	Mm.291815
309908	prodynorphin	1.93	Mm.6239
769898	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2	1.93	Mm.33808
900092		1.93	
733034	RIKEN cDNA 4933407L21 gene	1.93	
831632	RIKEN cDNA 1500005I02 gene	1.93	Mm.38347
850378	homer homolog 3 (Drosophila)	1.93	Mm.10022
508557		1.93	Mm.41715

894993	RIKEN cDNA 0610041E09 gene	1.94	Mm.241387
908953		1.94	
458946	RIKEN cDNA A030009H04 gene	1.94	Mm.5324
921567	sperm specific antigen 2	1.94	Mm.272881
470448	similar to 60S acidic ribosomal protein P1	1.94	
783823	RIKEN cDNA 0610007L01 gene	1.94	
924957	LSM1 homolog U6 small nuclear RNA associated (S. cerevisiae)	1.94	
912244	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 5	1.95	Mm.275780
791114	transcription factor Dp 1	1.95	Mm.925
665658	proline rich membrane anchor 1	1.95	Mm.217019
759487	nuclear transport factor 2-like export factor 2	1.95	Mm.41899
900517		1.95	Mm.3158
904530	ATP synthase H+ transporting mitochondrial F0 complex subunit g	1.95	Mm.14663
799124	general transcription factor II H polypeptide 1	1.95	Mm.22700
715669	chloride channel 3	1.95	Mm.259751
430083	RIKEN cDNA 0610037H22 gene	1.95	Mm.34520
777972	expressed sequence AW011752	1.95	Mm.276386
777355		1.96	
775784	calcium and integrin binding 1 (calmyrin)	1.96	Mm.30217
885152	zinc finger protein 580	1.96	
392106		1.97	
930035	tRNA (5-methylaminomethyl-2-thiouridylate)-methyltransferase 1	1.97	Mm.158211
896357		1.97	
813812	RIKEN cDNA 8430423A01 gene	1.97	Mm.246869
403457	calpain 2	1.97	Mm.19306
523258	CCNDBP1 interactor	1.97	Mm.29989
587938	phosphatase and actin regulator 3	1.97	Mm.44413
832118		1.97	
518424	Mak3 homolog (S. cerevisiae)	1.97	Mm.278726
778366	acetyl-Coenzyme A carboxylase beta	1.97	Mm.81793
838923	proteolipid protein (myelin) 1	1.98	Mm.1268
865155		1.98	
377553		1.98	
670935	RIKEN cDNA 2500001H09 gene	1.98	Mm.288645
848340	SRY-box containing gene 2	1.98	Mm.4541
867517	COP9 (constitutive photomorphogenic) homolog subunit 8 (Arabidopsis thaliana)	1.98	Mm.119177

449392	signal recognition particle receptor B subunit	1.98	Mm.273053
318452	Rho GTPase activating protein 20	1.98	Mm.26150
556731		1.98	
910217	H2-K region expressed gene 6	1.99	Mm.275452
920445	centrin 3	1.99	Mm.12481
873820	tight junction protein 1	2.00	Mm.4342
395710	kinectin 1	2.00	Mm.3110
918258		2.00	
915280	nucleolar protein 1	2.01	Mm.29203
895336		2.01	Mm.290899
922648	nuclear distribution gene C homolog (Aspergillus)	2.01	Mm.69
430195	RIKEN cDNA 2900042B11 gene	2.02	
894725		2.02	
391089	syntaxin 16	2.02	Mm.277977
386559	transforming acidic coiled-coil containing protein 2	2.02	Mm.86322
865981	retinol dehydrogenase 14 (all-trans and 9-cis)	2.03	Mm.119343
866620	transforming growth factor beta regulated gene 1	2.03	Mm.28689
378126	RIKEN cDNA 1810031K02 gene	2.03	Mm.271819
895670		2.03	
726089	formin-like 2	2.03	
572959	complexin 1	2.04	Mm.5195
916529	Yip1 interacting factor homolog (S. cerevisiae)	2.04	Mm.44202
706669	RIKEN cDNA 1500032D16 gene	2.04	Mm.28349
909343	CREBBP/EP300 inhibitory protein 1	2.04	Mm.44244
390250	similar to GTP-binding protein ragB	2.04	Mm.190922
918576	Down syndrome critical region gene 3	2.05	Mm.7472
673760	SLIT and NTRK-like family member 1	2.05	Mm.257268
445412	cDNA sequence BC039282	2.05	
848125		2.05	
699614	RIKEN cDNA C630016O21 gene	2.06	
794941	hypothetical LOC433214	2.06	
896578	katanin p60 (ATPase-containing) subunit A1	2.07	Mm.28127
746867	translocase of outer mitochondrial membrane 40 homolog (yeast)	2.07	Mm.333649
456746	similar to hypothetical protein MGC35048	2.07	
371604	serine/arginine repetitive matrix 1	2.07	Mm.1963
740967	general transcription factor II I repeat domain-containing 1	2.07	Mm.332735

464702	RIKEN cDNA B230333C21 gene	2.07	
779391	coagulation factor IX	2.08	
476191	sirtuin 4 (silent mating type information regulation 2 homolog) 4 (S. cerevisiae)	2.08	
336538	glycosyltransferase 25 domain containing 1	2.08	Mm.358838
752144	RIKEN cDNA 2900009I07 gene	2.08	Mm.195675
551066	nitrilase family member 2	2.09	Mm.213292
918939	NADH dehydrogenase (ubiquinone) 1 beta subcomplex 5	2.09	Mm.28058
329691		2.09	
923456	CCR4-NOT transcription complex subunit 6	2.09	Mm.247113
505383	RIKEN cDNA 2610036F08 gene	2.10	
831793	RIKEN cDNA B630019K06 gene	2.10	Mm.41588
417771	RIKEN cDNA 9130422G05 gene	2.10	Mm.252239
712683		2.11	
335383		2.11	
732230	calcium channel voltage-dependent N type alpha 1B subunit	2.11	Mm.4424
912820	actin gamma 2 smooth muscle enteric	2.11	Mm.292865
312249	acyl-Coenzyme A oxidase 1 palmitoyl	2.12	Mm.356689
853542	zinc finger CCHC domain containing 3	2.12	Mm.18589
621410	exosome component 8	2.12	Mm.29253
897733		2.13	
743936	dickkopf homolog 3 (Xenopus laevis)	2.13	Mm.55143
897021		2.13	
630663		2.13	
931052	X-box binding protein 1	2.14	Mm.22718
856498	dihydrolipoamide S-acetyltransferase (E2 component of pyruvate dehydrogenase complex)	2.14	Mm.285076
879998	splicing factor 3b subunit 3	2.14	Mm.236123
894506		2.15	
817827	endothelial differentiation sphingolipid G-protein-coupled receptor 8	2.15	Mm.190619
536382	RIKEN cDNA 5830457H20 gene	2.15	Mm.311904
900377	RIKEN cDNA 1110049G11 gene	2.15	Mm.21705
339246	RIKEN cDNA 2900075B16 gene	2.15	
693416	lysosomal membrane glycoprotein 2	2.15	Mm.486
553399	manic fringe homolog (Drosophila)	2.15	Mm.149235
678170	similar to Nucleolar phosphoprotein p130 (Nucleolar 130 kDa protein) (140 kDa nucleolar phosphoprotein)	2.16	Mm.23126

	(Nopp140) (Nucleolar and coiled-body phosphoprotein 1)		
896881	zinc finger protein 352	2.16	Mm.214642
712492	NAD(P)H dehydrogenase quinone 1	2.17	Mm.252
338173	RIKEN cDNA 1300004G08 gene	2.18	Mm.267353
333472		2.18	Mm.269613;Mm.328835
629403	dystrobrevin alpha	2.18	Mm.94371
910025	polyglutamine binding protein 1	2.18	Mm.14616
339107	Kruppel-like factor 9	2.19	Mm.291595
884236	glycogenin 1	2.19	Mm.6375
714975		2.19	
901911		2.19	
520170	ubiquitin-conjugating enzyme E2 J1	2.19	Mm.259095
696213	TPA regulated locus	2.19	Mm.790
419819	G protein-coupled receptor family C group 5 member B	2.19	Mm.103439
335521	RIKEN cDNA 2610014H22 gene	2.19	
585468	DNA segment Chr 3 ERATO Doi 194 expressed	2.20	Mm.366053
738829	tyrosine hydroxylase	2.20	Mm.1292
421011	RIKEN cDNA 2610101J03 gene	2.20	
877236	dolichyl pyrophosphate phosphatase 1	2.20	Mm.285167
655012		2.21	
894728		2.21	
889344	phosphatidic acid phosphatase 2a	2.22	Mm.317186
930816	ELAV (embryonic lethal abnormal vision Drosophila)-like 2 (Hu antigen B)	2.22	Mm.318042
613060	cyclin C	2.22	Mm.278584
904678		2.22	
768967	RIKEN cDNA 2810417M05 gene	2.22	Mm.357108
921400		2.23	
462585		2.24	
376674	RIKEN cDNA 4921524J17 gene	2.24	Mm.272748
606366	UDP-Gal:betaGal beta 1 3-galactosyltransferase polypeptide 6	2.24	Mm.347395
724999	arachidonate lipoxygenase 3	2.24	Mm.41989
437017	zinc finger protein 330	2.24	Mm.269248
875960	expressed sequence AI414054	2.25	
753113		2.25	
685791		2.25	
874504	similar to Sm protein F	2.25	
401103	regulator of G-protein signaling 5	2.25	Mm.20954

307231	signal recognition particle 68	2.25	Mm.29655
927680	G protein-coupled receptor 37	2.25	Mm.20465
437292	MAD homolog 7 (Drosophila)	2.25	Mm.34407
507892		2.26	Mm.27330
734811	guanosine diphosphate (GDP) dissociation inhibitor 1	2.27	Mm.205830
879933	BCL2/adenovirus E1B 19kDa-interacting protein 3-like	2.27	Mm.29820
444995	copine VIII	2.27	Mm.290991
730737		2.28	
513928	RIKEN cDNA 6330530A05 gene	2.28	Mm.23639
529136	scrapie responsive gene 1	2.28	Mm.12886
542100		2.28	
322037	B-cell receptor-associated protein 31	2.29	Mm.17
497026	tight junction protein 2	2.29	Mm.104744
895303	NADH dehydrogenase (ubiquinone) 1 alpha/beta subcomplex 1	2.30	Mm.347976
434412	exosome component 1	2.30	Mm.289086
413315	cDNA sequence BC060632	2.31	Mm.334807
773785		2.31	
501359		2.31	
433605	LEM domain containing 2	2.32	Mm.29689
517989		2.32	
662321	RIKEN cDNA 1110033C18 gene	2.33	Mm.294975
674893	RIKEN cDNA 3110050N22 gene	2.33	Mm.332366
911444	dolichyl-phosphate (UDP-N-acetylglucosamine) acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase)	2.33	Mm.18353
334630		2.34	Mm.143877
816466		2.34	Mm.145535
604413		2.34	
517181	mannoside acetylglucosaminyltransferase 3	2.35	Mm.299693
365705		2.35	
496759	cDNA sequence BC037708	2.37	Mm.34034
457238		2.37	
742562		2.38	
924677	leukocyte receptor cluster (LRC) member 5	2.38	Mm.287981
545193	syntaxin 7	2.38	Mm.248042
915482	THUMP domain containing 3	2.38	Mm.781
894455		2.39	Mm.341848
646976	hypocretin	2.40	Mm.10096
900361		2.41	

659722		2.41	
435967	RIKEN cDNA 1500031M22 gene	2.41	Mm.235934
828947		2.41	
643007		2.41	
470064		2.42	
638154	microtubule associated monoxygenase calponin and LIM domain containing 1	2.42	Mm.290431
873062	glutamate receptor metabotropic 3	2.43	Mm.318966
519800	adrenergic receptor beta 1	2.43	Mm.46797
839890	ectonucleotide pyrophosphatase/phosphodiesterase 4	2.43	Mm.359258
835249	vacuolar protein sorting 52 (yeast)	2.44	
670264	RIKEN cDNA 6330406P08 gene	2.44	Mm.211850
691898	protein phosphatase 1 regulatory (inhibitor) subunit 8	2.44	Mm.105230
575079	RIKEN cDNA A630029G22 gene	2.44	
568678	slingshot homolog 2 (Drosophila)	2.46	Mm.1843
698270	cleavage stimulation factor 3' pre-RNA subunit 2	2.46	Mm.67938
809904		2.46	
485013	nurim (nuclear envelope membrane protein)	2.48	Mm.279713
621280	cDNA sequence BC055368	2.48	Mm.46778
828382	dynamin 1-like	2.48	Mm.218820
382399	armadillo repeat containing 8	2.49	Mm.234823
598365	similar to hypothetical protein 6720451E15	2.50	
442601	transformation related protein 53 binding protein 2	2.51	Mm.287450
478797	NK6 transcription factor related locus 2 (Drosophila)	2.52	Mm.28308
931803		2.52	
329871		2.52	
356297	zinc finger FYVE domain containing 19	2.53	Mm.28335
904646	small nuclear ribonucleoprotein D1	2.55	Mm.603
693573	tubulin tyrosine ligase-like 1	2.56	Mm.235007
305278		2.56	
555213		2.56	
720488	RIKEN cDNA 5730461K03 gene	2.57	Mm.35105
899397		2.57	
834548	aristaless related homeobox gene (Drosophila)	2.58	Mm.275547
850424	similar to Chromosome 6 open reading frame 117	2.58	

312031	ankyrin repeat domain 35	2.60	
897193		2.62	Mm.4863;Mm.371619
406804	caseinolytic protease ATP-dependent proteolytic subunit homolog (E. coli)	2.63	Mm.287892
613167	carboxypeptidase E	2.65	Mm.31395
908796	myeloid ecotropic viral integration site-related gene 1	2.67	Mm.247566
775649	paired-like homeodomain transcription factor 3	2.68	Mm.6255
786647		2.69	
438579	arylacetamide deacetylase-like 1	2.69	Mm.24576
728106	DNA segment Chr 11 ERATO Doi 497 expressed	2.71	Mm.289456
727964		2.72	
899362		2.74	Mm.180458
852433	ribophorin II	2.75	Mm.360059
308822	RIKEN cDNA 1700106N22 gene	2.76	
777644	radial spokehead-like 3	2.76	
928491	peroxisome biogenesis factor 19	2.78	Mm.247764
678212	neurotensin	2.78	Mm.64201
370098		2.79	
643313		2.80	
862810	fructosamine 3 kinase	2.84	Mm.266448
474370	Erbb2 interacting protein	2.84	Mm.277354
761287	inositol polyphosphate-1-phosphatase	2.88	Mm.917
370857	ectonucleotide pyrophosphatase/phosphodiesterase 5	2.89	Mm.30145
929317	villin 2	2.90	Mm.277812
703539	carbonic anhydrase 3	2.93	Mm.300
637150	isocitrate dehydrogenase 1 (NADP+) soluble	2.95	Mm.9925
309126	RIKEN cDNA 1500034E06 gene	2.98	Mm.45683
593436	zinc finger SWIM domain containing 1	2.99	Mm.161149
929928	RIKEN cDNA 3110007P09 gene	2.99	Mm.238094
394580	RIKEN cDNA 3300001G02 gene	3.02	Mm.29952
470415	glyceraldehyde-3-phosphate dehydrogenase spermatogenic	3.10	Mm.1729
718611		3.10	
900064		3.13	
671047	cDNA sequence BC014795	3.19	Mm.185518
392344		3.20	
898384		3.30	
731884		3.31	
444475		3.39	

922287	RIKEN cDNA C030004A17 gene	3.46	Mm.24197
324166		3.47	
329527		3.51	
346965	expressed sequence AA415817	3.62	Mm.171484
423599	tetraspan 2	3.62	Mm.27469
562314	expressed sequence BM948371	3.76	
811338	RAB5A member RAS oncogene family	3.89	Mm.329123
428401	aggrecan 1	3.90	Mm.358571
846124	guanine nucleotide binding protein (G protein) gamma transducing activity polypeptide 2	3.93	Mm.46299
366579		4.41	
737367	actinin alpha 2	4.42	Mm.37638
732899	2'-5' oligoadenylate synthetase-like 2	4.51	Mm.228363
866377	rabphilin 3A	4.72	Mm.181166
653008	ribonuclease T2	4.73	Mm.235715
926484	citron	4.81	Mm.8321
761588	TAF11 RNA polymerase II TATA box binding protein (TBP)-associated factor	5.17	Mm.267998
783961	similar to eukaryotic translation initiation factor 3 subunit 12	5.44	
731966		15.46	
931646	RAB GTPase activating protein 1-like	26.57	Mm.25833