

UniGene	GeneID	Symbol	Description	RefSeq mRNA
Mm.103413	68350	0610009K11Rik	RIKEN cDNA 0610009K11 gene	NM_026689.3
Mm.281086	66839	0610009O20Rik	RIKEN cDNA 0610009O20 gene	NM_024179.4
Mm.39265	104457	0610010K14Rik	RIKEN cDNA 0610010K14 gene	NM_026757.1
Mm.347369	106264	0610012G03Rik	RIKEN cDNA 0610012G03 gene	NM_025320.1
Mm.121014	76897	0710005M24Rik	RIKEN cDNA 0710005M24 gene	NM_178631.3
Mm.133063	66123	1110006O24Rik	RIKEN cDNA 1110006O24 gene	NM_021417.1
Mm.27608	73737	1110008P14Rik	RIKEN cDNA 1110008P14 gene	NM_198001.1
Mm.30056	74778	1110014J01Rik	RIKEN cDNA 1110014J01 gene	NM_029101.3
Mm.331487	66185	1110037F02Rik	RIKEN cDNA 1110037F02 gene	NM_001081183.1
Mm.332931	319202	1200016E24Rik	RIKEN cDNA 1200016E24 gene	
Mm.390979	74157	1300018I05Rik	RIKEN cDNA 1300018I05 gene	NM_028791.3
Mm.150977	71997	1500002O20Rik	RIKEN cDNA 1500002O20 gene	NM_028047.2
Mm.285785	68964	1500010J02Rik	RIKEN cDNA 1500010J02 gene	NM_026889.2
Mm.268895	207740	1500031H01Rik	RIKEN cDNA 1500031H01 gene	XM_978416.1
Mm.349174	72012	1600020E01Rik	RIKEN cDNA 1600020E01 gene	XM_899055.1
Mm.251306	67077	1700019N12Rik	RIKEN cDNA 1700019N12 gene	NM_001039494.2
Mm.27711	67326	1700037H04Rik	RIKEN cDNA 1700037H04 gene	NM_026091.2
Mm.25311	66270	1810015C04Rik	RIKEN cDNA 1810015C04 gene	NM_025459.2
Mm.41451	66279	1810021J13Rik	RIKEN cDNA 1810021J13 gene	NM_025464.2
Mm.166485	66294	1810037C20Rik	RIKEN cDNA 1810037C20 gene	NM_025473.2
Mm.46699	208501	1810043H04Rik	RIKEN cDNA 1810043H04 gene	XM_994211.1
Mm.77697	76527	2010004A03Rik	RIKEN cDNA 2010004A03 gene	NM_029646.1
Mm.140672	100910	2010209O12Rik	RIKEN cDNA 2010209O12 gene	
Mm.292672	72357	2210016L21Rik	RIKEN cDNA 2210016L21 gene	NM_028211.1
Mm.276721	76429	2310007H09Rik	RIKEN cDNA 2310007H09 gene	NM_029609.1
Mm.383824	66374	2310011J03Rik	RIKEN cDNA 2310011J03 gene	NM_025521.3
Mm.21450	67695	2310016E02Rik	RIKEN cDNA 2310016E02 gene	NM_024460.3
Mm.188413	116972	2310047D13Rik	RIKEN cDNA 2310047D13 gene	NM_027773.2
Mm.250425	102122	2310065K24Rik	RIKEN cDNA 2310065K24 gene	NM_028221.3
Mm.41261	75687	2310066E14Rik	RIKEN cDNA 2310066E14 gene	NM_001081241.2
Mm.250193	70435	2610204M08Rik	RIKEN cDNA 2610204M08 gene	NM_198411.2
Mm.174044	214764	2700050L05Rik	RIKEN cDNA 2700050L05 gene	NM_178115.3
Mm.287157	67236	2810452K22Rik	RIKEN cDNA 2810452K22 gene	NM_026048.3
Mm.41180	75695	2900002H16Rik	RIKEN cDNA 2900002H16 gene	NM_021430.2
Mm.27344	72931	2900010J23Rik	RIKEN cDNA 2900010J23 gene	NM_175190.3
Mm.212543	78403	2900041M22Rik	RIKEN cDNA 2900041M22 gene	
Mm.196596	76482	3110002H16Rik	RIKEN cDNA 3110002H16 gene	NM_029623.2
Mm.3285	73218	3110056O03Rik	RIKEN cDNA 3110056O03 gene	NM_175195.3
Mm.24652	77574	3321401G04Rik	RIKEN cDNA 3321401G04 gene	NM_029930.2
Mm.213582	77590	4631426J05Rik	RIKEN cDNA 4631426J05 gene	NM_029935.4
Mm.24593	97820	4833439L19Rik	RIKEN cDNA 4833439L19 gene	NM_133797.2
Mm.179378	75317	4930547N16Rik	RIKEN cDNA 4930547N16 gene	NM_029249.2
Mm.35583	104859	4930573I19Rik	RIKEN cDNA 4930573I19 gene	NM_001081057.1
Mm.125857	108654	4933403F05Rik	RIKEN cDNA 4933403F05 gene	NM_153794.4
Mm.61180	71023	4933407C09Rik	RIKEN cDNA 4933407C09 gene	
Mm.323925	223739	5031439G07Rik	RIKEN cDNA 5031439G07 gene	NM_001033273.2
Mm.296838	230757	5730409E04Rik	RIKEN cDNA 5730409E04Rik gene	NM_001013755.2
Mm.76166	68176	6230427J02Rik	RIKEN cDNA 6230427J02 gene	NM_026597.2
Mm.394573	70744	6330403L08Rik	RIKEN cDNA 6330403L08 gene	
Mm.390264	67412	6330407J23Rik	RIKEN cDNA 6330407J23 gene	NM_026138.2
Mm.74750	243300	6430598A04Rik	RIKEN cDNA 6430598A04 gene	NM_175521.3
Mm.352212	76213	6530406A20Rik	RIKEN cDNA 6530406A20 gene	
Mm.124498	268807	8230402K04Rik	RIKEN cDNA 8230402K04 gene	NM_177755.3
Mm.210949	71617	9130011E15Rik	RIKEN cDNA 9130011E15 gene	NM_198296.2

Mm.251789	101351	A130022J15Rik	RIKEN cDNA A130022J15 gene	NM_175313.4
Mm.392040	330166	A230057G18Rik	RIKEN cDNA A230057G18 gene	XM_989890.1
Mm.271946	338371	A730011L01Rik	RIKEN cDNA A730011L01 gene	NM_177394.2
Mm.405337	320516	A730060N03Rik	RIKEN cDNA A730060N03 gene	
Mm.337771	192950	AB182283	cDNA sequence AB182283	NM_001081652.1
Mm.341004	27404	Abca8b	ATP-binding cassette, sub-family A (ABC	NM_013851.1
Mm.379345	26357	Abcg2	ATP-binding cassette, sub-family G (WH	NM_011920.3
Mm.258939	109934	Abr	active BCR-related gene	NM_198895.1
Mm.299636	171209	Accn3	amiloride-sensitive cation channel 3	NM_183000.2
Mm.255464	11423	Ache	acetylcholinesterase	NM_009599.3
Mm.282039	104112	Acly	ATP citrate lyase	NM_134037.2
Mm.356689	11430	Acox1	acyl-Coenzyme A oxidase 1, palmitoyl	NM_015729.2
Mm.28521	226977	Actr1b	ARP1 actin-related protein 1 homolog B	NM_146107.2
Mm.183102	74117	Actr3	ARP3 actin-related protein 3 homolog (v	NM_023735.1
Mm.359359	11496	Adam22	a disintegrin and metallopeptidase dom	NM_001098225.1
Mm.268527	66548	Adamts15	ADAMTS-like 5	NM_025629.2
Mm.215814	242669	Adc	arginine decarboxylase	NM_172875.2
Mm.31227	228061	Agps	alkylglycerone phosphate synthase	NM_172666.2
Mm.383431	195040	AI316787	expressed sequence AI316787	NM_199199.2
Mm.313169	382643	AI450948	expressed sequence AI450948	NM_001033476.1
Mm.329684	107239	AI790298	expressed sequence AI790298	XM_981543.1
Mm.40038	72168	Aifm3	apoptosis-inducing factor, mitochondri	NM_175178.3
Mm.30085	58810	Akr1a4	aldo-keto reductase family 1, member A	NM_021473.2
Mm.6645	11651	Akt1	thymoma viral proto-oncogene 1	NM_009652.2
Mm.302724	11656	Alas2	aminolevulinic acid synthase 2, erythro	NM_009653.2
Mm.273571	212647	Aldh4a1	aldehyde dehydrogenase 4 family, mem	NM_175438.3
Mm.311854	11682	Alk	anaplastic lymphoma kinase	NM_007439.2
Mm.274093	11685	Alox12e	arachidonate lipoxygenase, epidermal	NM_145684.1
Mm.41989	23801	Aloxe3	arachidonate lipoxygenase 3	NM_011786.1
Mm.2787	17117	Amacr	alpha-methylacyl-CoA racemase	NM_008537.4
Mm.130422	217473	Ankmy2	ankyrin repeat and MYND domain conta	NM_146033.2
Mm.275554	68420	Ankrd13a	ankyrin repeat domain 13a	NM_026718.2
Mm.250989	74251	Ankrd9	ankyrin repeat domain 9	NM_175207.4
Mm.269088	11737	Anp32a	acidic (leucine-rich) nuclear phosphopr	NM_009672.2
Mm.238343	12306	Anxa2	annexin A2	NM_007585.3
Mm.274816	11764	Ap1b1	adaptor protein complex AP-1, beta 1 su	NM_007454.2
Mm.253090	11772	Ap2a2	adaptor protein complex AP-2, alpha 2 s	NM_007459.2
Mm.5159	11787	Apbb2	amyloid beta (A4) precursor protein-bin	NM_009686.1
Mm.384171	11789	Apc	adenomatosis polyposis coli	NM_007462.2
Mm.25405	11838	Arc	activity regulated cytoskeletal-associate	NM_018790.2
Mm.305796	56292	Ard1	N-acetyltransferase ARD1 homolog (S. c	NM_019870.2
Mm.5061	11841	Arf2	ADP-ribosylation factor 2	NM_007477.4
Mm.329396	71302	Arhgap26	Rho GTPase activating protein 26	NM_175164.4
Mm.1383	14570	Arhgdig	Rho GDP dissociation inhibitor (GDI) gar	NM_008113.3
Mm.240298	234094	Arhgef10	Rho guanine nucleotide exchange factor	NM_172751.2
Mm.287267	213498	Arhgef11	Rho guanine nucleotide exchange factor	NM_001003912.1
Mm.22085	56350	Arl3	ADP-ribosylation factor-like 3	NM_019718.2
Mm.29430	65105	Arl6ip4	ADP-ribosylation factor-like 6 interactin	NM_144509.2
Mm.337038	76709	Arpc2	actin related protein 2/3 complex, subu	NM_029711.1
Mm.260193	109689	Arrb1	arrestin, beta 1	NM_178220.3
Mm.203747	216869	Arrb2	arrestin, beta 2	NM_145429.4
Mm.22547	11886	Asah1	N-acylsphingosine amidohydrolase 1	NM_019734.1
Mm.358931	245860	Atg9a	autophagy-related 9A (yeast)	NM_001003917.3
Mm.38010	108147	Atic	5-aminoimidazole-4-carboxamide ribon	NM_026195.2
Mm.280103	11928	Atp1a1	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 1 pd	NM_144900.1

Mm.276137	11946	Atp5a1	ATP synthase, H <sup>+</sup> transporting, mitoch	NM_007505.2
Mm.340818	11975	Atp6v0a1	ATPase, H <sup>+</sup> transporting, lysosomal V0 s	NM_016920.2
Mm.220823	110935	Atp6v1b1	ATPase, H <sup>+</sup> transporting, lysosomal V1 s	NM_134157.2
Mm.30455	54667	Atp8b2	Atpase, class I, type 8B, member 2	NM_001081182.1
Mm.231450	233871	Atxn2l	ataxin 2-like	NM_183020.1
Mm.92705	27215	Azi2	5-azacytidine induced gene 2	NM_013727.3
Mm.69013	329739	B430201A12Rik	RIKEN cDNA B430201A12 gene	XM_990687.1
Mm.44239	70369	Bag5	BCL2-associated athanogene 5	NM_027404.1
Mm.309498	268515	Bahcc1	BAH domain and coiled-coil containing 1	NM_198423.2
Mm.272462	53761	Bat2	HLA-B associated transcript 2	NM_020027.2
Mm.203962	224727	Bat3	HLA-B-associated transcript 3	NM_057171.1
Mm.43745	193742	Bat5	HLA-B associated transcript 5	NM_178592.3
Mm.25556	79554	BC002216	cDNA sequence BC002216	NM_024472.4
Mm.224076	217827	BC002230	cDNA sequence BC002230	XM_975496.1
Mm.11473	230789	BC008163	cDNA sequence BC008163	NM_145553.1
Mm.247335	217216	BC030867	cDNA sequence BC030867	NM_153544.3
Mm.151577	268747	BC036313	cDNA sequence BC036313	NM_001024645.1
Mm.259234	232400	BC048546	cDNA sequence BC048546	NM_001001179.2
Mm.26272	213056	BC049806	cDNA sequence BC049806	NM_172513.2
Mm.29236	57278	Bcam	basal cell adhesion molecule	NM_020486.2
Mm.4598	12032	Bcan	brevican	NM_007529.1
Mm.25848	12039	Bckdha	branched chain ketoacid dehydrogenase	NM_007533.2
Mm.6967	12050	Bcl2l2	Bcl2-like 2	NM_007537.1
Mm.89667	12055	Bcl7c	B-cell CLL/lymphoma 7C	NM_009746.2
Mm.226175	77578	Bcl9	B-cell CLL/lymphoma 9	NM_029933.3
Mm.294783	72567	Bclaf1	BCL2-associated transcription factor 1	NM_153787.2
Mm.288546	544971	Bdp1	B double prime 1, subunit of RNA polym	NM_001081061.1
Mm.2436	20893	Bhlhb2	basic helix-loop-helix domain containing	NM_011498.4
Mm.197387	76895	Bicd2	bicaudal D homolog 2 (Drosophila)	NM_029791.3
Mm.24021	233016	Blvrb	biliverdin reductase B (flavin reductase)	NM_144923.2
Mm.104531	69168	Bola1	boLA-like 1 (E. coli)	NM_026975.2
Mm.131074	67991	Btbd14a	BTB (POZ) domain containing 14A	NM_026495.3
Mm.131700	320701	C130034I18Rik	RIKEN cDNA C130034I18 gene	NM_177233.5
Mm.244177	77521	C130038G02Rik	RIKEN cDNA C130038G02 gene	NM_029920.5
Mm.393367	99061	C130057N11Rik	RIKEN cDNA C130057N11 gene	
Mm.390374	69183	C1qtnf2	C1q and tumor necrosis factor related p	NM_026979.3
Mm.250641	77480	C330002I19Rik	RIKEN cDNA C330002I19 gene	NM_001081378.1
Mm.389259	109299	C330006A16Rik	RIKEN cDNA C330006A16 gene	XM_975522.1
Mm.128292	442847	C330046G13Rik	RIKEN cDNA C330046G13 gene	
Mm.101504	320827	C530008M17Rik	RIKEN cDNA C530008M17 gene	XM_973124.1
Mm.333624	232933	C530028I08Rik	RIKEN cDNA C530028I08 gene	NM_001033314.3
Mm.259334	235386	C630028N24Rik	RIKEN cDNA C630028N24 gene	NM_177351.3
Mm.331907	97130	C77080	expressed sequence C77080	NM_001033189.3
Mm.275934	97863	C78339	expressed sequence C78339	NM_001033192.2
Mm.179091	69008	Cab39l	calcium binding protein 39-like	NM_026908.3
Mm.257404	104248	Cabin1	calcineurin binding protein 1	NM_172549.3
Mm.379226	73660	Cabp4	calcium binding protein 4	NM_144532.2
Mm.9772	12289	Cacna1d	calcium channel, voltage-dependent, L t	NM_028981.2
Mm.330524	94332	Cadm3	cell adhesion molecule 3	NM_053199.3
Mm.178322	260299	Cadm4	cell adhesion molecule 4	NM_153112.3
Mm.36834	227634	Camsap1	calmodulin regulated spectrin-associate	XM_975399.1
Mm.318846	100072	Camta1	calmodulin binding transcription activat	NM_001081558.1
Mm.326847	12337	Capn5	calpain 5	NM_007602.3
Mm.27736	12348	Car11	carbonic anhydrase 11	NM_009800.4
Mm.306954	23831	Car14	carbonic anhydrase 14	NM_011797.2

Mm.40120	192160	Casc3	cancer susceptibility candidate 3	NM_138660.1
Mm.270703	213819	Casd1	CAS1 domain containing 1	NM_145398.2
Mm.383737	140721	Caskin2	cask-interacting protein 2	NM_080643.2
Mm.210403	104479	Ccdc117	coiled-coil domain containing 117	NM_134033.1
Mm.101586	67433	Ccdc127	coiled-coil domain containing 127	NM_024201.2
Mm.390150	245902	Ccdc15	coiled-coil domain containing 15	NM_001081429.1
Mm.78373	71870	Ccdc19	coiled-coil domain containing 19	XM_993675.1
Mm.292465	269336	Ccdc32	coiled-coil domain containing 32	NM_199310.1
Mm.275710	51938	Ccdc39	coiled-coil domain containing 39	NM_026222.2
Mm.344071	76380	Ccdc46	coiled-coil domain containing 46	NM_145688.2
Mm.289900	12468	Cct7	chaperonin subunit 7 (eta)	NM_007638.3
Mm.3460	12475	Cd14	CD14 antigen	NM_009841.3
Mm.29742	12484	Cd24a	CD24a antigen	NM_009846.2
Mm.182412	69957	Cdc16	CDC16 cell division cycle 16 homolog (S	NM_027276.2
Mm.28219	52858	Cdipt	CDP-diacylglycerol--inositol 3-phosphati	NM_138754.3
Mm.6839	12567	Cdk4	cyclin-dependent kinase 4	NM_009870.2
Mm.142275	12569	Cdk5r1	cyclin-dependent kinase 5, regulatory su	NM_009871.2
Mm.289427	66971	Cdk5rap1	CDK5 regulatory subunit associated pro	NM_025876.2
Mm.195663	12575	Cdkn1a	cyclin-dependent kinase inhibitor 1A (P2	NM_007669.3
Mm.284503	110911	Cds2	CDP-diacylglycerol synthase (phosphatic	NM_138651.5
Mm.24169	12607	Cebpz	CCAAT/enhancer binding protein zeta	NM_001024806.2
Mm.290563	12615	Cenpa	centromere protein A	NM_007681.2
Mm.161470	229841	Cenpe	centromere protein E	NM_173762.4
Mm.269991	545389	Cep170	centrosomal protein 170	XM_993066.1
Mm.288729	16328	Cep250	centrosomal protein 250	NM_008383.2
Mm.38910	28135	Cep63	centrosomal protein 63	NM_001081122.1
Mm.10160	106143	Cggbp1	CGG triplet repeat binding protein 1	NM_178647.2
Mm.178246	216848	Chd3	chromodomain helicase DNA binding pr	NM_146019.2
Mm.333388	107932	Chd4	chromodomain helicase DNA binding pr	NM_145979.2
Mm.259916	218865	Chdh	choline dehydrogenase	NM_175343.4
Mm.387173	12655	Chi3l3	chitinase 3-like 3	NM_009892.1
Mm.73777	67064	Chmp1b	chromatin modifying protein 1B	NM_024190.1
Mm.168478	75786	Ckap5	cytoskeleton associated protein 5	NM_029437.1
Mm.252145	12716	Ckmt1	creatine kinase, mitochondrial 1, ubiqui	NM_009897.2
Mm.270587	26373	Clcn7	chloride channel 7	NM_011930.3
Mm.40132	64945	Cldn12	claudin 12	NM_022890.1
Mm.280563	66864	Clec14a	C-type lectin domain family 14, member	NM_025809.4
Mm.169673	216705	Clint1	clathrin interactor 1	NM_001045520.2
Mm.3990	20480	Clpb	ClpB caseinolytic peptidase B homolog	NM_009191.3
Mm.37984	215748	Cnksr3	Cnksr family member 3	NM_172546.2
Mm.300931	12817	Col13a1	procollagen, type XIII, alpha 1	NM_007731.1
Mm.277735	12842	Col1a1	procollagen, type I, alpha 1	NM_007742.3
Mm.249555	12825	Col3a1	procollagen, type III, alpha 1	NM_009930.1
Mm.738	12826	Col4a1	procollagen, type IV, alpha 1	NM_009931.1
Mm.181021	12827	Col4a2	procollagen, type IV, alpha 2	NM_009932.2
Mm.7281	12831	Col5a1	procollagen, type V, alpha 1	NM_015734.1
Mm.10299	12832	Col5a2	procollagen, type V, alpha 2	NM_007737.2
Mm.334994	53867	Col5a3	procollagen, type V, alpha 3	NM_016919.2
Mm.40	26572	Cops3	COP9 (constitutive photomorphogenic)	NM_011991.1
Mm.276859	23789	Coro1b	coronin, actin binding protein 1B	NM_011778.2
Mm.196884	54188	Cpsf4	cleavage and polyadenylation specific fa	NM_178576.2
Mm.41593	171508	Creld1	cysteine-rich with EGF-like domains 1	NM_133930.1
Mm.272093	54394	Crlf3	cytokine receptor-like factor 3	NM_018776.1
Mm.17616	26896	Crsp2	cofactor required for Sp1 transcriptiona	NM_012005.3
Mm.313558	72832	Crtac1	cartilage acidic protein 1	NM_145123.4

Mm.21974	12988	Csk	c-src tyrosine kinase	NM_007783.2
Mm.30199	27373	Csnk1e	casein kinase 1, epsilon	NM_013767.5
Mm.29873	103236	Csnk1g2	casein kinase 1, gamma 2	NM_134002.1
Mm.298893	12995	Csnk2a1	casein kinase 2, alpha 1 polypeptide	NM_007788.2
Mm.291928	12387	Ctnnb1	catenin (cadherin associated protein), b	NM_007614.2
Mm.255858	22083	Ctr9	Ctr9, Paf1/RNA polymerase II complex c	NM_009431.1
Mm.359633	19025	Ctsa	cathepsin A	NM_008906.3
Mm.249744	52463	Cxzc6	CXXC finger 6	XM_980574.1
Mm.22560	109754	Cyb5r3	cytochrome b5 reductase 3	NM_029787.2
Mm.29196	66445	Cyc1	cytochrome c-1	NM_025567.2
Mm.154358	76884	Cyfp2	cytoplasmic FMR1 interacting protein 2	NM_133769.2
Mm.287279	218978	D14Erttd436e	DNA segment, Chr 14, ERATO Doi 436, e	NM_172599.3
Mm.123240	223658	D330001F17Rik	RIKEN cDNA D330001F17 gene	
Mm.29702	28146	D3Ucla1	DNA segment, Chr 3, University of Califo	NM_030685.2
Mm.28207	28027	D4Wsu132e	DNA segment, Chr 4, Wayne State Unive	NM_138590.2
Mm.244971	244418	D8Erttd82e	DNA segment, Chr 8, ERATO Doi 82, exp	NM_172911.2
Mm.59171	434147	D930028M14Rik	RIKEN cDNA D930028M14 gene	NM_001033781.1
Mm.258310	272636	D9Erttd280e	DNA segment, Chr 9, ERATO Doi 280, ex	NM_177775.3
Mm.240830	13132	Dab2	disabled homolog 2 (Drosophila)	NM_023118.4
Mm.319038	13135	Dad1	defender against cell death 1	NM_010015.3
Mm.10294	13144	Dapk3	death-associated kinase 3	NM_007828.1
Mm.148693	70248	Dazap1	DAZ associated protein 1	NM_133188.1
Mm.291037	13178	Dck	deoxycytidine kinase	NM_007832.4
Mm.28733	75901	Dcp1a	decapping enzyme	NM_133761.3
Mm.167537	69654	Dctn2	dynactin 2	NM_027151.1
Mm.298947	13202	Ddt	D-dopachrome tautomerase	NM_010027.1
Mm.307515	71986	Ddx28	DEAD (Asp-Glu-Ala-Asp) box polypeptide	NM_028038.2
Mm.28222	68278	Ddx39	DEAD (Asp-Glu-Ala-Asp) box polypeptide	NM_197982.2
Mm.220038	13207	Ddx5	DEAD (Asp-Glu-Ala-Asp) box polypeptide	NM_007840.3
Mm.280594	67379	Dedd2	death effector domain-containing DNA	NM_207677.3
Mm.314923	104418	Dgkz	diacylglycerol kinase zeta	NM_138306.1
Mm.35399	216877	Dhx33	DEAH (Asp-Glu-Ala-His) box polypeptide	NM_178367.4
Mm.44995	208666	Diras1	DIRAS family, GTP-binding RAS-like 1	NM_145217.2
Mm.221499	214240	Disp2	dispatched homolog 2 (Drosophila)	NM_170593.2
Mm.60526	233335	Dmn	desmuslin	NM_207663.2
Mm.279692	56445	Dnaja2	DnaJ (Hsp40) homolog, subfamily A, me	NM_019794.3
Mm.21353	230935	Dnajc11	DnaJ (Hsp40) homolog, subfamily C, me	NM_172704.2
Mm.288159	54152	Dnalc4	dynein, axonemal, light chain 4	NM_017470.1
Mm.44736	13429	Dnm1	dynamin 1	NM_010065.2
Mm.203949	114255	Dok4	docking protein 4	NM_053246.1
Mm.331970	53902	Dscr1l2	Down syndrome critical region gene 1-li	NM_022980.4
Mm.336625	13518	Dst	dystonin	NM_134448.2
Mm.94371	13527	Dtna	dystrobrevin alpha	NM_207650.3
Mm.247695	207521	Dtx4	deltex 4 homolog (Drosophila)	NM_172442.2
Mm.293973	224907	Dus3l	dihydrouridine synthase 3-like (S. cerevi	NM_144858.1
Mm.330671	252864	Dusp15	dual specificity phosphatase-like 15	NM_145744.2
Mm.23916	66959	Dusp26	dual specificity phosphatase 26 (putativ	NM_025869.3
Mm.1791	67603	Dusp6	dual specificity phosphatase 6	NM_026268.2
Mm.181430	13424	Dync1h1	dynein cytoplasmic 1 heavy chain 1	NM_030238.2
Mm.249479	13427	Dync1i2	dynein cytoplasmic 1 intermediate chair	NM_010064.3
Mm.23296	50496	E2f6	E2F transcription factor 6	NM_033270.1
Mm.153688	93726	Ear11	eosinophil-associated, ribonuclease A fa	NM_053113.2
Mm.275426	70790	Edd1	E3 ubiquitin protein ligase, HECT domain	NM_001081359.1
Mm.4772	14745	Edg2	endothelial differentiation, lysophospha	NM_010336.1
Mm.258927	66656	Eef1d	eukaryotic translation elongation factor	NM_029663.1



Mm.25997	13631	Eef2k	eukaryotic elongation factor-2 kinase	NM_007908.3
Mm.422725	209589	EG209589	predicted gene, EG209589	XM_910432.2
Mm.180719	245190	EG245190	predicted gene, EG245190	XM_905189.2
Mm.389421	381438	EG381438	predicted gene, EG381438	NM_198657.2
Mm.359137	384885	EG384885	predicted gene, EG384885	XM_992779.1
Mm.422907	433230	EG433230	predicted gene, EG433230	XM_484785.3
Mm.321484	545864	EG545864	predicted gene, EG545864	XR_002969.1
Mm.389923	620480	EG620480	predicted gene, EG620480	XM_983464.1
Mm.312048	626920	EG626920	predicted gene, EG626920	XM_986974.1
Mm.422746	628781	EG628781	predicted gene, EG628781	XM_924870.2
Mm.389633	666405	EG666405	predicted gene, EG666405	-
Mm.391207	666538	EG666538	predicted gene, EG666538	XM_984437.1
Mm.362367	667290	EG667290	predicted gene, EG667290	XR_002003.1
Mm.285021	667682	EG667682	predicted gene, EG667682	XM_991853.1
Mm.294623	66235	Eif1ay	eukaryotic translation initiation factor 1	NM_025437.4
Mm.217616	27103	Eif2ak4	eukaryotic translation initiation factor 2	NM_013719.1
Mm.34612	108067	Eif2b3	eukaryotic translation initiation factor 2	NM_175135.3
Mm.250874	54709	Eif3s2	eukaryotic translation initiation factor 3	NM_018799.1
Mm.227183	26987	Eif4e2	eukaryotic translation initiation factor 4	NM_023314.3
Mm.259516	13688	Eif4ebp2	eukaryotic translation initiation factor 4	NM_010124.2
Mm.27955	22384	Eif4h	eukaryotic translation initiation factor 4	NM_033561.1
Mm.3970	15572	Elavl4	ELAV (embryonic lethal, abnormal visio	NM_010488.3
Mm.236645	68519	Em1	echinoderm microtubule associated pro	NM_001043336.1
Mm.41423	71946	Endod1	endonuclease domain containing 1	NM_028013.2
Mm.30145	83965	Enpp5	ectonucleotide pyrophosphatase/phosp	NM_032003.1
Mm.297516	791299	ENSMUSG00000059659	predicted gene, ENSMUSG00000059659	
Mm.387663	100038425	ENSMUSG00000074414	predicted gene, ENSMUSG00000074414	
Mm.248620	71889	Epn3	epsin 3	NM_027984.2
Mm.59812	67456	Ergic2	ERGIC and golgi 2	NM_026355.2
Mm.392449	102058	Exoc8	exocyst complex component 8	NM_198103.2
Mm.266635	50912	Exosc10	exosome component 10	NM_016699.1
Mm.334810	72544	Exosc6	exosome component 6	NM_028274.2
Mm.41739	58193	Extl2	exotoses (multiple)-like 2	NM_021388.3
Mm.3355	14103	Fasf	Fas ligand (TNF superfamily, member 6)	NM_010177.3
Mm.236443	14104	Fasn	fatty acid synthase	NM_007988.3
Mm.334764	50788	Fbxl8	F-box and leucine-rich repeat protein 8	NM_015821.1
Mm.24829	76454	Fbxo31	F-box protein 31	NM_133765.2
Mm.28584	71538	Fbxo9	f-box protein 9	NM_023605.2
Mm.196475	50754	Fbxw7	F-box and WD-40 domain protein 7, arc	NM_080428.2
Mm.263041	207278	Fchsd2	FCH and double SH3 domains 2	NM_199012.1
Mm.280819	14158	Fert2	fer (fms/fps related) protein kinase, test	NM_008000.1
Mm.265716	14182	Fgfr1	fibroblast growth factor receptor 1	NM_010206.2
Mm.333499	67529	Fgfr1op2	FGFR1 oncogene partner 2	NM_026218.2
Mm.3126	14199	Fhl1	four and a half LIM domains 1	NM_010211.2
Mm.23049	70598	Filip1	filamin A interacting protein 1	NM_001081243.1
Mm.38911	23877	Fiz1	Flt3 interacting zinc finger protein 1	NM_011813.2
Mm.193099	14268	Fn1	fibronectin 1	NM_010233.1
Mm.78250	17425	Foxk1	forkhead box K1	NM_199068.2
Mm.24783	666060	Frmpd1	FERM and PDZ domain containing 1	NM_001081172.2
Mm.135965	327826	Frs2	fibroblast growth factor receptor substr	NM_177798.3
Mm.89912	107971	Frs3	fibroblast growth factor receptor substr	NM_144939.2
Mm.30357	14325	Ftl1	ferritin light chain 1	NM_010240.2
Mm.276298	70300	Fuz	fuzzy homolog (Drosophila)	NM_027376.1
Mm.22742	11936	Fxyd2	FXYD domain-containing ion transport r	NM_052823.2
Mm.246003	14362	Fzd1	frizzled homolog 1 (Drosophila)	NM_021457.2

Mm.4793	14387	Gaa	glucosidase, alpha, acid	NM_008064.2
Mm.32191	54393	Gabbr1	gamma-aminobutyric acid (GABA-B) rec	NM_019439.3
Mm.423024	14433	Gapdh	glyceraldehyde-3-phosphate dehydroge	NM_008084.2
Mm.24038	14468	Gbp1	guanylate nucleotide binding protein 1	NM_010259.2
Mm.88367	14585	Gfra1	glial cell line derived neurotrophic facto	NM_010279.2
Mm.41757	207182	Ggtl3	gamma-glutamyltransferase-like 3	NM_144786.1
Mm.78118	70893	Glb1l3	galactosidase, beta 1 like 3	XM_983469.1
Mm.276271	20340	Glg1	golgi apparatus protein 1	NM_009149.2
Mm.30102	216456	Gls2	glutaminase 2 (liver, mitochondrial)	NM_001033264.2
Mm.36745	269037	Gm672	gene model 672, (NCBI)	NM_201354.2
Mm.379511	381353	Gm996	gene model 996, (NCBI)	NM_001005424.2
Mm.321452	23885	Gmcl1	germ cell-less homolog 1 (Drosophila)	NM_011818.2
Mm.370185	14673	Gna12	guanine nucleotide binding protein, alpi	NM_010302.2
Mm.196464	14678	Gnai2	guanine nucleotide binding protein, alpi	NM_008138.4
Mm.68889	14695	Gnb3	guanine nucleotide binding protein, bet	NM_013530.1
Mm.17604	14697	Gnb5	guanine nucleotide binding protein, bet	NM_138719.3
Mm.29114	14712	Gnpat	glyceronephosphate O-acyltransferase	NM_010322.2
Mm.9392	269682	Golga3	golgi autoantigen, golgin subfamily a, 3	NM_008146.3
Mm.196269	57437	Golga7	golgi autoantigen, golgin subfamily a, 7	NM_020585.2
Mm.297976	14733	Gpc1	glypican 1	NM_016696.3
Mm.252391	14555	Gpd1	glycerol-3-phosphate dehydrogenase 1	NM_010271.2
Mm.290834	14766	Gpr56	G protein-coupled receptor 56	NM_018882.2
Mm.73666	229714	Gpr61	G protein-coupled receptor 61	NM_175470.3
Mm.271980	67298	Gprasp1	G protein-coupled receptor associated s	NM_026081.5
Mm.30195	209318	Gps1	G protein pathway suppressor 1	NM_145370.1
Mm.1090	14775	Gpx1	glutathione peroxidase 1	NM_008160.5
Mm.359573	625249	Gpx4	glutathione peroxidase 4	NM_008162.2
Mm.27366	52857	Gramd1a	GRAM domain containing 1A	NM_027898.3
Mm.138434	235283	Gramd1b	GRAM domain containing 1B	NM_172768.1
Mm.41665	66168	Grina	glutamate receptor, ionotropic, N-meth	NM_023168.3
Mm.194811	54645	Gripap1	GRIP1 associated protein 1	NM_207670.1
Mm.218752	14843	Gsh2	genomic screened homeo box 2	NM_133256.2
Mm.294664	606496	Gsk3a	glycogen synthase kinase 3 alpha	NM_001031667.1
Mm.2662	14860	Gsta4	glutathione S-transferase, alpha 4	NM_010357.2
Mm.378931	14873	Gsto1	glutathione S-transferase omega 1	NM_010362.2
Mm.261570	14886	Gtf2i	general transcription factor II I	NM_010365.3
Mm.289645	17263	Gtl2	GTL2, imprinted maternally expressed u	NM_144513.2
Mm.275654	14936	Gys1	glycogen synthase 1, muscle	NM_030678.3
Mm.359030	353502	Hcfc1r1	host cell factor C1 regulator 1 (XPO1-de	NM_181821.1
Mm.715	15162	Hck	hemopoietic cell kinase	NM_010407.3
Mm.279188	15193	Hdgfrp2	hepatoma-derived growth factor, relate	NM_008233.2
Mm.249391	207304	Hectd1	HECT domain containing 1	XM_981716.1
Mm.29151	64209	Herpud1	homocysteine-inducible, endoplasmic re	NM_022331.1
Mm.28326	52120	Hgsnat	heparan-alpha-glucosaminide N-acetyltr	NM_029884.1
Mm.3879	15251	Hif1a	hypoxia inducible factor 1, alpha subuni	NM_010431.1
Mm.389331	15259	Hipk3	homeodomain interacting protein kinas	NM_010434.1
Mm.386076	327655	Hisppd2a	histidine acid phosphatase domain cont	NM_178795.4
Mm.30921	110948	Hlcs	holocarboxylase synthetase (biotin- [pro	NM_139145.4
Mm.4438	15361	Hmga1	high mobility group AT-hook 1	NM_016660.2
Mm.61526	208715	Hmgcs1	3-hydroxy-3-methylglutaryl-Coenzyme A	NM_145942.4
Mm.289131	15360	Hmgcs2	3-hydroxy-3-methylglutaryl-Coenzyme A	NM_008256.3
Mm.5	15395	Hoxa10	homeo box A10	NM_008263.1
Mm.12863	23908	Hs2st1	heparan sulfate 2-O-sulfotransferase 1	NM_011828.2
Mm.157103	101502	Hsd3b7	hydroxy-delta-5-steroid dehydrogenase	NM_133943.2
Mm.39739	73442	Hspa12a	heat shock protein 12A	NM_175199.3

Mm.209419	15526	Hspa9	heat shock protein 9	NM_010481.1
Mm.271798	15547	Htf9c	HpaII tiny fragments locus 9c	NM_008307.2
Mm.27372	59026	Huwe1	HECT, UBA and WWE domain containing	NM_021523.4
Mm.193212	68180	Hyi	hydroxypyruvate isomerase homolog (E	NM_026601.1
Mm.277464	57295	Icmt	isoprenylcysteine carboxyl methyltransf	NM_133788.1
Mm.110	15903	Id3	inhibitor of DNA binding 3	NM_008321.1
Mm.29590	170718	Idh3b	isocitrate dehydrogenase 3 (NAD+) beta	NM_130884.3
Mm.14825	15929	Idh3g	isocitrate dehydrogenase 3 (NAD+), gam	NM_008323.1
Mm.45558	70110	Ifi35	interferon-induced protein 35	NM_027320.4
Mm.275742	16001	Igf1r	insulin-like growth factor I receptor	NM_010513.2
Mm.10137	16170	Il16	interleukin 16	NM_010551.3
Mm.27567	14204	Il4i1	interleukin 4 induced 1	NM_010215.2
Mm.2644	216136	Ilvbl	ilvB (bacterial acetolactate synthase)-lik	NM_173751.3
Mm.272253	66541	Immmp1l	IMP1 inner mitochondrial membrane pe	NM_028260.2
Mm.262547	28019	Ing4	inhibitor of growth family, member 4	NM_133345.2
Mm.292942	68510	Ints1	integrator complex subunit 1	NM_026748.1
Mm.252421	70885	Ints10	integrator complex subunit 10	NM_027590.3
Mm.271642	226432	Ipo9	importin 9	NM_153774.1
Mm.105218	16362	Irf1	interferon regulatory factor 1	NM_008390.1
Mm.274237	272359	Irf2bp1	interferon regulatory factor 2 binding pr	NM_178757.3
Mm.57035	16400	Itga3	integrin alpha 3	NM_013565.2
Mm.28541	16450	Jag2	jagged 2	NM_010588.2
Mm.289657	16451	Jak1	Janus kinase 1	NM_146145.2
Mm.307239	77035	Jmjd5	jumonji domain containing 5	NM_029842.3
Mm.275071	16476	Jun	Jun oncogene	NM_010591.1
Mm.1167	16477	Junb	Jun-B oncogene	NM_008416.1
Mm.28382	74187	Katnb1	katanin p80 (WD40-containing) subunit	NM_028805.2
Mm.388924	16498	Kcnab2	potassium voltage-gated channel, shake	NM_010598.2
Mm.387390	16500	Kcnb1	potassium voltage gated channel, Shab-	NM_008420.3
Mm.374793	16512	Kcnh3	potassium voltage-gated channel, subfa	NM_010601.2
Mm.4970	16515	Kcnj12	potassium inwardly-rectifying channel, s	NM_010603.4
Mm.10800	16525	Kcnk1	potassium channel, subfamily K, membe	NM_008430.1
Mm.387016	16526	Kcnk2	potassium channel, subfamily K, membe	NM_010607.1
Mm.435	66989	Kctd20	potassium channel tetramerisation dom	NM_025888.5
Mm.8256	20218	Khdrbs1	KH domain containing, RNA binding, sig	NM_011317.3
Mm.276408	16560	Kif1a	kinesin family member 1A	NM_008440.2
Mm.41379	16564	Kif21a	kinesin family member 21A	NM_016705.2
Mm.30355	16572	Kif5a	kinesin family member 5A	NM_008447.3
Mm.4651	16579	Kifap3	kinesin-associated protein 3	NM_010629.2
Mm.201493	16597	Klf12	Kruppel-like factor 12	NM_010636.2
Mm.26938	16598	Klf2	Kruppel-like factor 2 (lung)	NM_008452.1
Mm.275036	23849	Klf6	Kruppel-like factor 6	NM_011803.2
Mm.251013	16211	Kpnb1	karyopherin (importin) beta 1	NM_008379.3
Mm.1249	226519	Lamc1	laminin, gamma 1	NM_010683.1
Mm.20522	14768	Lancl1	LanC (bacterial lantibiotic synthetase co	NM_021295.2
Mm.248843	73158	Larp1	La ribonucleoprotein domain family, me	XM_985836.1
Mm.276076	102436	Lars2	leucyl-tRNA synthetase, mitochondrial	NM_153168.2
Mm.390821	71949	Lass5	longevity assurance homolog 5 (S. cerev	NM_028015.2
Mm.26751	16828	Ldha	lactate dehydrogenase A	NM_010699.1
Mm.258142	57275	Lenep	lens epithelial protein	NM_020517.3
Mm.22831	232798	Leng8	leukocyte receptor cluster (LRC) membe	NM_172736.3
Mm.27961	56401	Lepre1	leprecan 1	NM_019783.2
Mm.298251	56839	Lgi1	leucine-rich repeat LGI family, member	NM_020278.2
Mm.124176	16886	Limk2	LIM motif-containing protein kinase 2	NM_173053.1
Mm.390323	16886	Limk2	LIM motif-containing protein kinase 2	NM_173053.1



Mm.268018	66643	Lix1	limb expression 1 homolog (chicken)	NM_025681.2
Mm.44814	109593	Lmo3	LIM domain only 3	NM_207222.2
Mm.339061	432482	LOC432482	similar to nucleoside diphosphate kinase	XR_003641.1
Mm.320353	433955	LOC433955	similar to HSPC008	XR_002848.1
Mm.250479	544863	LOC544863	similar to tubulin, alpha 1	XR_002982.1
Mm.375464	545798	LOC545798	similar to MGC79481 protein	XM_992002.1
Mm.389395	625137	LOC625137	similar to Ubiquinol-cytochrome c reductase	XM_889680.1
Mm.386029	626802	LOC626802	similar to zinc finger protein 709	XM_894982.2
Mm.244815	628101	LOC628101	hypothetical LOC628101	XM_993945.1
Mm.416138	666761	LOC666761	similar to alpha NAC/1.9.2. protein	XM_985849.1
Mm.37324	668378	LOC668378	similar to Protein FAM38A	XM_001001160.1
Mm.391104	67527	LOC67527	murine leukemia retrovirus	-
Mm.329675	225875	Lrfn4	leucine rich repeat and fibronectin type III domain containing 4	NM_153388.3
Mm.289666	378937	Lrrc24	leucine rich repeat containing 24	NM_198119.2
Mm.31247	67867	Lrrc28	leucine rich repeat containing 28	NM_175124.4
Mm.259079	268490	Lsm12	LSM12 homolog ( <i>S. cerevisiae</i> )	NM_172947.3
Mm.257067	23936	Lynx1	Ly6/neurotoxin 1	NM_011838.4
Mm.341945	217779	Lysmd1	LysM, putative peptidoglycan-binding domain	NM_153121.1
Mm.28204	226154	Lzts2	leucine zipper, putative tumor suppressor	NM_145503.1
Mm.36410	228355	Madd	MAP-kinase activating death domain	NM_145527.3
Mm.330745	16658	Mafb	v-maf musculoaponeurotic fibrosarcoma oncogene	NM_010658.2
Mm.241355	17136	Mag	myelin-associated glycoprotein	NM_010758.2
Mm.22575	80884	Maged2	melanoma antigen, family D, 2	NM_030700.1
Mm.264849	99470	Magi3	membrane associated guanylate kinase, gamma 3	NM_133853.2
Mm.359472	270118	Maml2	mastermind like 2 ( <i>Drosophila</i> )	NM_001013819.1
Mm.18905	230815	Man1c1	mannosidase, alpha, class 1C, member 1	NM_207237.2
Mm.4219	17159	Man2b1	mannosidase 2, alpha B1	NM_010764.2
Mm.14487	26399	Map2k6	mitogen activated protein kinase kinase 6	NM_011943.2
Mm.19223	212679	Mars2	methionine-tRNA synthetase 2 (mitochondrial)	NM_175439.3
Mm.154614	56527	Mast1	microtubule associated serine/threonine kinase 1	NM_019945.2
Mm.29815	232087	Mat2a	methionine adenosyltransferase II, alpha	NM_145569.4
Mm.392350	17196	Mbp	myelin basic protein	NM_010777.3
Mm.334413	17207	Mcf2l	mcf.2 transforming sequence-like	NM_178076.2
Mm.1639	17210	Mcl1	myeloid cell leukemia sequence 1	NM_008562.3
Mm.383472	51812	Mcrs1	microspherule protein 1	NM_016766.2
Mm.297096	17448	Mdh2	malate dehydrogenase 2, NAD (mitochondrial)	NM_008617.2
Mm.283045	66999	Med28	mediator of RNA polymerase II transcription	NM_025895.3
Mm.272998	80889	Mesdc1	mesoderm development candidate 1	NM_030705.4
Mm.335639	17294	Mest	mesoderm specific transcript	NM_008590.1
Mm.139146	76781	Mettl4	methyltransferase like 4	NM_176917.4
Mm.7386	17150	Mfap2	microfibrillar-associated protein 2	NM_008546.2
Mm.390345	69900	Mfsd11	major facilitator superfamily domain containing 11	NM_178620.3
Mm.299693	17309	Mgat3	mannoside acetylglucosaminyltransferase III	NM_010795.3
Mm.272197	23945	Mgll	monoglyceride lipase	NM_011844.3
Mm.24570	102423	Mizf	MBD2-interacting zinc finger	NM_172162.2
Mm.4406	17395	Mmp9	matrix metalloproteinase 9	NM_013599.2
Mm.3759	17428	Mnt	max binding protein	NM_010813.2
Mm.41355	68929	Mospd3	motile sperm domain containing 3	NM_030037.1
Mm.9986	17528	Mpz	myelin protein zero	NM_008623.3
Mm.183561	244238	Mrgpre	MAS-related GPR, member E	NM_175534.2
Mm.290166	67681	Mrpl18	mitochondrial ribosomal protein L18	NM_026310.3
Mm.29974	60441	Mrpl38	mitochondrial ribosomal protein L38	NM_024177.3
Mm.28023	56428	Mtch2	mitochondrial carrier homolog 2 ( <i>C. elegans</i> )	NM_019758.2
Mm.423278	17772	Mtm1	X-linked myotubular myopathy gene 1	NM_019926.2
Mm.247007	219135	Mtmr6	myotubularin related protein 6	NM_144843.3

Mm.228797	78388	Mvp	major vault protein	NM_080638.2
Mm.159028	74761	Mxra8	matrix-remodelling associated 8	NM_024263.3
Mm.2444	17869	Myc	myelocytomatosis oncogene	NM_010849.4
Mm.4048	17872	Myd116	myeloid differentiation primary response	NM_008654.1
Mm.234502	17913	Myo1c	myosin IC	NM_008659.3
Mm.240965	230085	N28178	expressed sequence N28178	NM_172690.2
Mm.89961	17948	Naip2	NLR family, apoptosis inhibitory protein	NM_010872.1
Mm.290407	53605	Nap11	nucleosome assembly protein 1-like 1	NM_015781.3
Mm.292687	108123	Napg	N-ethylmaleimide sensitive fusion prote	NM_028017.1
Mm.274610	269642	Nat8l	N-acetyltransferase 8-like	NM_001001985.3
Mm.205224	269198	Nbeal1	neurobeachin like 1	XM_990954.1
Mm.233080	228869	Ncoa5	nuclear receptor coactivator 5	NM_144892.1
Mm.248778	67273	Ndufa10	NADH dehydrogenase (ubiquinone) 1 al	NM_024197.1
Mm.29867	17991	Ndufa2	NADH dehydrogenase (ubiquinone) 1 al	NM_010885.4
Mm.29939	66108	Ndufa9	NADH dehydrogenase (ubiquinone) 1 al	NM_025358.2
Mm.2033	66495	Ndufb3	NADH dehydrogenase (ubiquinone) 1 be	NM_025597.2
Mm.379154	68194	Ndufb4	NADH dehydrogenase (ubiquinone) 1 be	NM_026610.1
Mm.21669	226646	Ndufs2	NADH dehydrogenase (ubiquinone) Fe-S	NM_153064.4
Mm.288114	67602	Necap1	NECAP endocytosis associated 1	NM_026267.2
Mm.298283	380684	Nefh	neurofilament, heavy polypeptide	NM_010904.3
Mm.1956	18039	Nefl	neurofilament, light polypeptide	NM_010910.1
Mm.390700	18040	Nefm	neurofilament, medium polypeptide	NM_008691.2
Mm.42249	18007	Neo1	neogenin	NM_008684.2
Mm.380307	269116	Nfasc	neurofascin	NM_182716.2
Mm.31274	18027	Nfia	nuclear factor I/A	NM_010905.2
Mm.121508	245537	Nlgn3	neuroligin 3	NM_172932.2
Mm.233903	18111	Nnat	neuronatin	NM_180960.2
Mm.423051	57741	Noc2l	nucleolar complex associated 2 homolog	NM_021303.2
Mm.28203	52530	Nola2	nucleolar protein family A, member 2	NM_026631.3
Mm.309520	217365	Nploc4	nuclear protein localization 4 homolog (l	NM_199469.1
Mm.6343	18148	Npm1	nucleophosmin 1	NM_008722.2
Mm.103477	230103	Npr2	natriuretic peptide receptor 2	NM_173788.3
Mm.5142	18164	Nptx1	neuronal pentraxin 1	NM_008730.2
Mm.10099	53324	Nptx2	neuronal pentraxin 2	NM_016789.2
Mm.3507	18227	Nr4a2	nuclear receptor subfamily 4, group A, r	NM_013613.1
Mm.312068	18189	Nrxn1	neurexin I	NM_020252.2
Mm.329616	18190	Nrxn2	neurexin II	NM_020253.2
Mm.3304	18197	Nsg2	neuron specific gene family member 2	NM_008741.3
Mm.325732	26425	Nubp1	nucleotide binding protein 1	NM_011955.1
Mm.7271	53319	Nxf1	nuclear RNA export factor 1 homolog (S	NM_016813.2
Mm.274285	74143	Opa1	optic atrophy 1 homolog (human)	NM_133752.2
Mm.296545	68767	ORF19	open reading frame 19	NM_026833.1
Mm.391339	207375	ORF34	open reading frame 34	NM_198105.2
Mm.61022	74309	Osbp2	oxysterol binding protein 2	NM_152818.2
Mm.44153	71720	Osbpl3	oxysterol binding protein-like 3	NM_027881.2
Mm.202257	218885	Oxnad1	oxidoreductase NAD-binding domain co	NM_145460.1
Mm.254267	170719	Oxr1	oxidation resistance 1	NM_130885.2
Mm.16660	18453	P4hb	prolyl 4-hydroxylase, beta polypeptide	NM_011032.2
Mm.34650	18483	Palm	paralemmin	NM_023128.3
Mm.151640	74450	Pank2	pantothenate kinase 2 (Hallervorden-Sp	NM_153501.1
Mm.242865	100715	Papd4	PAP associated domain containing 4	NM_133905.2
Mm.329076	78309	Parc	p53-associated parkin-like cytoplasmic g	NM_001081335.1
Mm.390957	18515	Pbx2	pre B-cell leukemia transcription factor	NM_017463.2
Mm.46016	76477	Pcolce2	procollagen C-endopeptidase enhancer	NM_029620.2
Mm.3401	18552	Pcsk5	proprotein convertase subtilisin/kexin t	XM_990087.1

Mm.371609	56330	Pdcd5	programmed cell death 5	NM_019746.3
Mm.247564	207728	Pde2a	phosphodiesterase 2A, cGMP-stimulate	NM_001008548.2
Mm.4146	18596	Pdgfrb	platelet derived growth factor receptor	NM_008809.1
Mm.34775	18597	Pdha1	pyruvate dehydrogenase E1 alpha 1	NM_008810.2
Mm.171484	94184	Pdxdc1	pyridoxal-dependent decarboxylase dor	NM_053181.2
Mm.343951	18613	Pecam1	platelet/endothelial cell adhesion molec	NM_008816.2
Mm.299399	224824	Pex6	peroxisomal biogenesis factor 6	NM_145488.1
Mm.336205	18655	Pgk1	phosphoglycerate kinase 1	NM_008828.2
Mm.9052	53328	Pgrmc1	progesterone receptor membrane comp	NM_016783.3
Mm.28864	74451	Pgs1	phosphatidylglycerophosphate synthase	NM_133757.2
Mm.16898	236539	Phgdh	3-phosphoglycerate dehydrogenase	NM_016966.3
Mm.371997	236539	Phgdh	3-phosphoglycerate dehydrogenase	NM_016966.3
Mm.34346	27280	Phlda3	pleckstrin homology-like domain, family	NM_013750.1
Mm.274830	75669	Pik3r4	phosphatidylinositol 3 kinase, regulator	NM_001081309.1
Mm.18539	68943	Pink1	PTEN induced putative kinase 1	NM_026880.2
Mm.29836	18717	Pip5k1c	phosphatidylinositol-4-phosphate 5-kin	NM_008844.1
Mm.273204	18797	Plcb3	phospholipase C, beta 3	NM_008874.3
Mm.6483	18807	Pld3	phospholipase D family, member 3	NM_011116.1
Mm.274158	69217	Plekha4	pleckstrin homology domain containing	NM_148927.1
Mm.3741	233765	Plekha7	pleckstrin homology domain containing	NM_172743.2
Mm.29475	67220	Plekho1	pleckstrin homology domain containing	NM_023320.2
Mm.1268	18823	Plp1	proteolipid protein (myelin) 1	NM_011123.2
Mm.3085	67784	Plxnd1	plexin D1	NM_026376.2
Mm.301655	73078	Pmpcb	peptidase (mitochondrial processing) be	NM_028431.2
Mm.293761	140484	Pofut1	protein O-fucosyltransferase 1	NM_080463.3
Mm.35788	18972	Pold2	polymerase (DNA directed), delta 2, reg	NM_008894.1
Mm.197493	67811	Poldip2	polymerase (DNA-directed), delta intera	NM_026389.3
Mm.279781	67486	Polr3g	polymerase (RNA) III (DNA directed) pol	NM_001081176.1
Mm.196045	68273	Pomgnt1	protein O-linked mannose beta1,2-N-ac	NM_029786.1
Mm.332855	66537	Pomp	proteasome maturation protein	NM_025624.2
Mm.221181	18998	Pou4f3	POU domain, class 4, transcription facto	NM_138945.1
Mm.250508	66812	Ppcdc	phosphopantothenoilcysteine decarbox	NM_176831.4
Mm.103382	67533	Ppfbp1	PTPRF interacting protein, binding prote	NM_026221.1
Mm.74208	223828	Pphln1	periphilin 1	NM_175363.3
Mm.40577	242083	Ppm1l	protein phosphatase 1 (formerly 2C)-lik	NM_178726.3
Mm.188709	329251	Ppp1r12b	protein phosphatase 1, regulatory (inhib	NM_001081307.1
Mm.140	18938	Ppp1r14b	protein phosphatase 1, regulatory (inhib	NM_008889.2
Mm.259626	26932	Ppp2r5e	protein phosphatase 2, regulatory subu	NM_012024.2
Mm.211211	74182	Prei4	preimplantation protein 4	NM_028802.2
Mm.30039	19084	Prkar1a	protein kinase, cAMP dependent regula	NM_021880.2
Mm.28561	18762	Prkcz	protein kinase C, zeta	NM_008860.2
Mm.71	19090	Prkdc	protein kinase, DNA activated, catalytic	NM_011159.2
Mm.358657	28000	Prpf19	PRP19/PSO4 pre-mRNA processing facto	NM_134129.3
Mm.30660	70052	Prpf4	PRP4 pre-mRNA processing factor 4 hon	NM_027297.3
Mm.2477	19132	Prph	peripherin	NM_013639.1
Mm.44183	233895	Prr14	proline rich 14	NM_145589.2
Mm.9431	19142	Prss12	protease, serine, 12 neurotrypsin (moto	NM_008939.1
Mm.5875	76560	Prss8	protease, serine, 8 (prostasin)	NM_133351.2
Mm.257354	77754	Prune2	prune homolog 2 (Drosophila)	XM_987077.1
Mm.105331	101739	Psip1	PC4 and SFRS1 interacting protein 1	NM_133948.4
Mm.208883	26442	Psma5	proteasome (prosome, macropain) subu	NM_011967.3
Mm.30210	26443	Psma6	proteasome (prosome, macropain) subu	NM_011968.2
Mm.21728	26444	Psma7	proteasome (prosome, macropain) subu	NM_011969.1
Mm.98	19175	Psmb6	proteasome (prosome, macropain) subu	NM_008946.3
Mm.280013	70247	Psmd1	proteasome (prosome, macropain) 26S	NM_027357.2

Mm.273152	57296	Psmid8	proteasome (prosome, macropain) 26S	NM_026545.2
Mm.389499	56742	Psrc1	proline/serine-rich coiled-coil 1	NM_019976.2
Mm.193688	19244	Ptp4a2	protein tyrosine phosphatase 4a2	NM_008974.3
Mm.277916	19246	Ptpn1	protein tyrosine phosphatase, non-rece	NM_011201.3
Mm.258771	19280	Ptprs	protein tyrosine phosphatase, receptor	NM_011218.1
Mm.182563	76308	Rab1b	RAB1B, member RAS oncogene family	NM_029576.3
Mm.21936	216344	Rab21	RAB21, member RAS oncogene family	NM_024454.1
Mm.12815	19344	Rab5b	RAB5B, member RAS oncogene family	NM_177411.3
Mm.87216	56187	Rabggta	Rab geranylgeranyl transferase, a subun	NM_019519.1
Mm.9286	19364	Rad51l3	RAD51-like 3 ( <i>S. cerevisiae</i> )	NM_011235.3
Mm.3272	51801	Ramp1	receptor (calcitonin) activity modifying g	NM_016894.2
Mm.270975	19387	Rangap1	RAN GTPase activating protein 1	NM_011241.3
Mm.298274	107746	Rapgef1	Rap guanine nucleotide exchange factor	NM_054050.2
Mm.28231	71660	Rarres2	retinoic acid receptor responder (tazaro	NM_027852.2
Mm.42150	19419	Rasgrp1	RAS guanyl releasing protein 1	NM_011246.2
Mm.132868	213464	Rbbp5	retinoblastoma binding protein 5	NM_172517.1
Mm.4480	19647	Rbbp6	retinoblastoma binding protein 6	NM_175023.2
Mm.279194	236732	Rbm10	RNA binding motif protein 10	NM_145627.1
Mm.28275	19655	Rbmx	RNA binding motif protein, X chromosom	NM_011252.2
Mm.4876	19672	Rcn1	reticulocalbin 1	NM_009037.2
Mm.279907	27632	Rdbp	RD RNA-binding protein	NM_138580.2
Mm.293588	225362	Reep2	receptor accessory protein 2	NM_144865.1
Mm.249966	19697	Rela	v-rel reticuloendotheliosis viral oncogen	NM_009045.4
Mm.28840	19712	Rest	RE1-silencing transcription factor	NM_011263.1
Mm.260943	56210	Rev1	REV1 homolog ( <i>S. cerevisiae</i> )	NM_019570.3
Mm.1116	66932	Rexo1	REX1, RNA exonuclease 1 homolog ( <i>S. ce</i>	NM_025852.3
Mm.148877	19687	Rfc1	replication factor C (activator 1) 1	NM_011258.1
Mm.196208	71729	Rgs12	regulator of G-protein signaling 12	NM_173402.1
Mm.44606	56533	Rgs17	regulator of G-protein signaling 17	NM_019958.3
Mm.100348	52882	Rgs7bp	regulator of G-protein signalling 7 bindir	NM_029879.2
Mm.396875	52882	Rgs7bp	regulator of G-protein signalling 7 bindir	NM_029879.2
Mm.687	11852	Rhob	ras homolog gene family, member B	NM_007483.2
Mm.57052	14787	Rhpn1	rhopilin, Rho GTPase binding protein 1	NM_008164.1
Mm.28551	66878	Riok3	RIO kinase 3 (yeast)	NM_024182.4
Mm.4009	19769	Rit1	Ras-like without CAAX 1	NM_009069.3
Mm.288183	66089	Rmnd5b	required for meiotic nuclear division 5 h	NM_025346.1
Mm.228903	56736	Rnf14	ring finger protein 14	NM_020012.1
Mm.249986	108660	Rnf187	ring finger protein 187	XM_992215.1
Mm.388529	80751	Rnf34	ring finger protein 34	NM_030564.1
Mm.262859	73469	Rnf38	ring finger protein 38	NM_175201.4
Mm.294120	67588	Rnf41	ring finger protein 41	NM_026259.2
Mm.214569	56698	Rnuxa	RNA U, small nuclear RNA export adapto	NM_019996.3
Mm.27792	66049	Rogdi	rogdi homolog ( <i>Drosophila</i> )	NM_133185.2
Mm.247556	19893	Rpgr	retinitis pigmentosa GTPase regulator	NM_011285.1
Mm.307846	19934	Rpl22	ribosomal protein L22	NM_009079.2
Mm.22723	268449	Rpl23a	ribosomal protein L23a	NM_207523.1
Mm.304790	268449	Rpl23a	ribosomal protein L23a	NM_207523.1
Mm.188544	103963	Rpn1	ribophorin I	NM_133933.3
Mm.391885	75617	Rps25	ribosomal protein S25	NM_024266.3
Mm.379006	20090	Rps29	ribosomal protein S29	NM_009093.1
Mm.4071	16785	Rpsa	ribosomal protein SA	NM_011029.3
Mm.13705	81910	Rrbp1	ribosome binding protein 1	NM_133626.2
Mm.288606	106298	Rrn3	RRN3 RNA polymerase I transcription fa	NM_001039521.1
Mm.131949	212892	Rshl3	radial spokehead-like 3	XM_993152.1
Mm.192580	68585	Rtn4	reticulon 4	NM_194054.2

Mm.82661	237847	Rtn4rl1	reticulon 4 receptor-like 1	NM_177708.5
Mm.3925	20198	S100a4	S100 calcium binding protein A4	NM_011311.1
Mm.100144	20200	S100a6	S100 calcium binding protein A6 (calyc	NM_011313.2
Mm.303924	66406	Sac3d1	SAC3 domain containing 1	NM_133678.3
Mm.255066	224903	Safb	scaffold attachment factor B	XM_974286.1
Mm.297199	217125	Samd14	sterile alpha motif domain containing 14	NM_146025.2
Mm.34562	20227	Sart1	squamous cell carcinoma antigen recog	NM_016882.3
Mm.29594	53890	Sart3	squamous cell carcinoma antigen recog	NM_016926.1
Mm.35483	77980	Sbf1	SET binding factor 1	NM_001081030.1
Mm.201455	107767	Scamp1	secretory carrier membrane protein 1	NM_029153.1
Mm.83840	71145	Scara5	scavenger receptor class A, member 5 (r	NM_028903.1
Mm.193096	20249	Scd1	stearoyl-Coenzyme A desaturase 1	NM_009127.3
Mm.267377	20249	Scd1	stearoyl-Coenzyme A desaturase 1	NM_009127.3
Mm.247042	20264	Scn10a	sodium channel, voltage-gated, type X, s	NM_009134.2
Mm.89981	24046	Scn11a	sodium channel, voltage-gated, type XI,	NM_011887.3
Mm.103584	20271	Scn5a	sodium channel, voltage-gated, type V, s	NM_021544.3
Mm.389273	20272	Scn7a	sodium channel, voltage-gated, type VII,	NM_009135.1
Mm.41557	69938	Scrn1	secernin 1	NM_027268.2
Mm.247457	74616	Scrn3	secernin 3	NM_029022.1
Mm.206536	20970	Sdc3	syndecan 3	NM_011520.3
Mm.253771	68112	Sdccag3	serologically defined colon cancer antig	NM_026563.3
Mm.246965	67680	Sdhb	succinate dehydrogenase complex, subu	NM_023374.3
Mm.173119	218811	Sec24c	SEC24 related gene family, member C (S	NM_172596.1
Mm.250605	20338	Sel1l	sel-1 suppressor of lin-12-like (C. elegan	NM_011344.2
Mm.29812	93684	Sep15	selenoprotein	NM_053102.2
Mm.274399	20362	Sep8	septin 8	NM_033144.1
Mm.38450	53860	Sep9	septin 9	NM_017380.1
Mm.34329	109079	Sephs1	selenophosphate synthetase 1	NM_175400.5
Mm.218473	26943	Serinc3	serine incorporator 3	NM_012032.3
Mm.2044	20317	Serpinf1	serine (or cysteine) peptidase inhibitor,	NM_011340.3
Mm.339676	58172	Sertad2	SERTA domain containing 2	NM_021372.2
Mm.200120	170742	Sertad3	SERTA domain containing 3	NM_133210.2
Mm.250391	208043	Setd1b	SET domain containing 1B	XR_005169.1
Mm.192111	73251	Setd7	SET domain containing (lysine methyltra	NM_080793.5
Mm.284505	234373	Sfrs14	splicing factor, arginine/serine-rich 14	NM_172755.2
Mm.21841	20382	Sfrs2	splicing factor, arginine/serine-rich 2 (S	NM_011358.1
Mm.292016	225027	Sfrs7	splicing factor, arginine/serine-rich 7	NM_146083.1
Mm.31537	67158	Sft2d3	SFT2 domain containing 3	XM_983884.1
Mm.30068	52551	Sgta	small glutamine-rich tetratricopeptide r	NM_024499.1
Mm.22240	73723	Sh3bgrl3	SH3 domain binding glutamic acid-rich p	NM_080559.1
Mm.33343	227700	Sh3glb2	SH3-domain GRB2-like endophilin B2	NM_139302.1
Mm.262320	225608	Sh3tc2	SH3 domain and tetratricopeptide repea	NM_172628.2
Mm.35325	68346	Sirt5	sirtuin 5 (silent mating type informatio	NM_178848.3
Mm.291029	72198	Skiv2l2	superkiller viralicidic activity 2-like 2 (S.	NM_028151.2
Mm.33832	108052	Slc14a1	solute carrier family 14 (urea transporte	NM_028122.3
Mm.28632	80879	Slc16a3	solute carrier family 16 (monocarboxylic	NM_030696.3
Mm.19325	66859	Slc16a9	solute carrier family 16 (monocarboxylic	NM_025807.3
Mm.1056	20514	Slc1a5	solute carrier family 1 (neutral amino ac	NM_009201.2
Mm.288697	74011	Slc25a27	solute carrier family 25, member 27	NM_028711.3
Mm.30087	14385	Slc37a4	solute carrier family 37 (glucose-6-phos	NM_008063.2
Mm.212813	106068	Slc45a4	solute carrier family 45, member 4	NM_001033219.2
Mm.142455	20540	Slc7a7	solute carrier family 7 (cationic amino a	NM_011405.3
Mm.21587	65962	Slc9a3r2	solute carrier family 9 (sodium/hydroge	NM_023449.2
Mm.391941	20874	Slk	STE20-like kinase (yeast)	NM_009289.2
Mm.272920	17129	Smad5	MAD homolog 5 (Drosophila)	NM_008541.2



Mm.286593	20586	Smarca4	SWI/SNF related, matrix associated, acti	NM_011417.2
Mm.274232	54380	Smarcal1	Swi/SNF related matrix associated, actin	NM_018817.1
Mm.26412	24061	Smc1a	structural maintenance of chromosome	NM_019710.1
Mm.4628	20597	Smpd1	sphingomyelin phosphodiesterase 1, ac	NM_011421.1
Mm.27735	75788	Smurf1	SMAD specific E3 ubiquitin protein ligas	NM_029438.3
Mm.24082	330959	Snpc5	small nuclear RNA activating complex, p	NM_183316.2
Mm.282800	20618	Sncg	synuclein, gamma	NM_011430.2
Mm.1541	20648	Snta1	syntrophin, acidic 1	NM_009228.1
Mm.271891	56440	Snx1	sorting nexin 1	NM_019727.2
Mm.28160	76742	Snx27	sorting nexin family member 27	NM_029721.1
Mm.273379	69178	Snx5	sorting nexin 5	NM_024225.4
Mm.130	12703	Socs1	suppressor of cytokine signaling 1	NM_009896.2
Mm.5068	20410	Sorbs3	sorbin and SH3 domain containing 3	NM_011366.2
Mm.43375	66042	Sostdc1	sclerostin domain containing 1	NM_025312.2
Mm.252722	70997	Spef1	sperm flagellar 1	NM_027641.2
Mm.299906	56381	Spen	SPEN homolog, transcriptional regulator	NM_019763.2
Mm.24222	56632	Sphk2	sphingosine kinase 2	NM_203280.2
Mm.204969	20740	Spna2	spectrin alpha 2	NM_001076554.1
Mm.123110	20742	Spnb2	spectrin beta 2	NM_175836.2
Mm.42038	24066	Spry4	sprouty homolog 4 (Drosophila)	NM_011898.2
Mm.261906	14794	Spsb2	splA/ryanodine receptor domain and SC	NM_013539.1
Mm.274794	79043	Spsb3	splA/ryanodine receptor domain and SC	NM_027141.1
Mm.363404	20813	Srp14	signal recognition particle 14	NM_009273.4
Mm.5222	75956	Srrm2	serine/arginine repetitive matrix 2	NM_175229.3
Mm.180337	70356	St13	suppression of tumorigenicity 13	NM_133726.2
Mm.130952	76630	Stambpl1	Stam binding protein like 1	NM_029682.4
Mm.249934	20848	Stat3	signal transducer and activator of transd	NM_213660.2
Mm.34064	20851	Stat5b	signal transducer and activator of transd	NM_011489.2
Mm.645	20866	Stim1	stromal interaction molecule 1	NM_009287.4
Mm.8235	20868	Stk10	serine/threonine kinase 10	NM_009288.2
Mm.17461	20872	Stk16	serine/threonine kinase 16	NM_011494.3
Mm.65336	57740	Stk32c	serine/threonine kinase 32C	NM_021302.2
Mm.391038	268980	Strn	striatin, calmodulin binding protein	NM_011500.2
Mm.21612	97387	Strn4	striatin, calmodulin binding protein 4	NM_133789.2
Mm.285400	217517	Stxbp6	syntaxin binding protein 6 (amisyn)	NM_144552.3
Mm.24433	20610	Sumo3	SMT3 suppressor of mif two 3 homolog	NM_019929.3
Mm.245577	20935	Surf6	surfeit gene 6	NM_009298.3
Mm.247956	71733	Susd2	sushi domain containing 2	NM_027890.4
Mm.278578	225888	Suv420h1	suppressor of variegation 4-20 homolog	NM_144871.3
Mm.130902	68188	Sympk	symplekin	XM_984493.1
Mm.260545	56403	Syncrip	synaptotagmin binding, cytoplasmic RN	NM_019796.4
Mm.230301	20972	Syng1	synaptogyrin 1	NM_207708.1
Mm.340436	216965	Taok1	TAO kinase 1	NM_144825.2
Mm.391153	209478	Tbc1d12	TBC1D12: TBC1 domain family, member	NM_145952.3
Mm.34580	56480	Tbk1	TANK-binding kinase 1	NM_019786.3
Mm.273210	83383	Tcfap4	transcription factor AP4	NM_031182.2
Mm.24670	102791	Tcta	T-cell leukemia translocation altered ge	NM_133986.1
Mm.391476	21766	Tex261	testis expressed gene 261	NM_009357.1
Mm.26688	21826	Thbs2	thrombospondin 2	NM_011581.1
Mm.320644	330267	Thsd7a	thrombospondin, type I, domain contain	XM_992003.1
Mm.3951	21838	Thy1	thymus cell antigen 1, theta	NM_009382.3
Mm.206505	21858	Timp2	tissue inhibitor of metalloproteinase 2	NM_011594.3
Mm.4871	21859	Timp3	tissue inhibitor of metalloproteinase 3	NM_011595.2
Mm.23987	117149	Tirap	toll-interleukin 1 receptor (TIR) domain	NM_054096.1
Mm.4342	21872	Tjp1	tight junction protein 1	NM_009386.1

Mm.104744	21873	Tjp2	tight junction protein 2	NM_011597.2
Mm.24255	21887	Tle3	transducin-like enhancer of split 3, hom	NM_009389.2
Mm.136511	228012	Tlk1	tousled-like kinase 1	NM_172664.2
Mm.28626	69742	Tm2d2	TM2 domain containing 2	NM_027194.2
Mm.379159	68581	Tmed10	transmembrane emp24-like trafficking d	NM_026775.4
Mm.313244	69195	Tmem121	transmembrane protein 121	NM_153776.2
Mm.341593	270893	Tmem132e	transmembrane protein 132E	NM_023438.2
Mm.271147	51875	Tmem141	transmembrane protein 141	NM_001040130.2
Mm.8569	72309	Tmem158	transmembrane protein 158	NM_001002267.2
Mm.260360	382014	Tmem16h	transmembrane protein 16H	XM_980783.1
Mm.43212	233724	Tmem41b	transmembrane protein 41B	NM_153525.5
Mm.157904	224807	Tmem63b	transmembrane protein 63b	NM_198167.2
Mm.290353	67887	Tmem66	transmembrane protein 66	NM_026432.2
Mm.194225	70397	Tmem70	transmembrane protein 70	NM_027415.2
Mm.34256	71913	Tmem79	transmembrane protein 79	NM_024246.5
Mm.159684	21917	Tmpo	thymopoietin	NM_011605.2
Mm.1258	21937	Tnfrsf1a	tumor necrosis factor receptor superfam	NM_011609.3
Mm.200792	94185	Tnfrsf21	tumor necrosis factor receptor superfam	NM_178589.3
Mm.130362	21974	Top2b	topoisomerase (DNA) II beta	NM_009409.2
Mm.259893	235559	Topbp1	topoisomerase (DNA) II beta binding pro	NM_176979.5
Mm.87051	252838	Tox	thymocyte selection-associated HMG bd	NM_145711.3
Mm.121878	22003	Tpm1	tropomyosin 1, alpha	NM_024427.4
Mm.261259	215243	Traf3ip3	TRAF3 interacting protein 3	NM_153137.3
Mm.273277	72169	Trim29	tripartite motif protein 29	NM_023655.1
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Mm.422769	330863	Trim67	tripartite motif-containing 67	XM_620720.3
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Mm.3597	56191	Tro	trophinin	NM_019548.3
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Mm.30435	22084	Tsc2	tuberous sclerosis 2	NM_011647.2
Mm.102136	110796	Tshz1	teashirt zinc finger family member 1	NM_001081300.1
Mm.35650	67125	Tspan31	tetraspanin 31	NM_025982.3
Mm.20445	22110	Tspyl1	testis-specific protein, Y-encoded-like 1	NM_009433.2
Mm.15312	22117	Tst	thiosulfate sulfurtransferase, mitochond	NM_009437.4
Mm.244512	66736	Ttc35	tetratricopeptide repeat domain 35	NM_025736.2
Mm.389883	73032	Ttc9b	tetratricopeptide repeat domain 9B	NM_028417.1
Mm.235007	319953	Ttl1	tubulin tyrosine ligase-like 1	NM_178869.3
Mm.132172	320244	Ttl5	tubulin tyrosine ligase-like family, mem	NM_001081423.1
Mm.373672	22138	Ttn	titin	NM_028004.2
Mm.29729	57776	Ttyh1	tweety homolog 1 (Drosophila)	NM_021324.4
Mm.379227	73710	Tubb2b	tubulin, beta 2b	NM_023716.2
Mm.227260	227613	Tubb2c	tubulin, beta 2c	NM_146116.1
Mm.27670	52700	Txn15	thioredoxin-like 5	NM_026559.3
Mm.68819	72565	Uaca	uveal autoantigen with coiled-coil doma	NM_028283.2
Mm.180052	56550	Ube2d2	ubiquitin-conjugating enzyme E2D 2	NM_019912.1
Mm.337238	67921	Ube2f	ubiquitin-conjugating enzyme E2F (puta	NM_026454.3
Mm.196580	22192	Ube2m	ubiquitin-conjugating enzyme E2M (UBC	NM_145578.1
Mm.360108	66589	Ube2v1	ubiquitin-conjugating enzyme E2 varian	NM_023230.2
Mm.38802	268470	Ube2z	ubiquitin-conjugating enzyme E2Z (puta	NM_172300.3
Mm.284811	22248	Unc119	unc-119 homolog (C. elegans)	NM_011676.2
Mm.27404	67387	Unc50	unc-50 homolog (C. elegans)	NM_026123.3
Mm.44858	67031	Upf3a	UPF3 regulator of nonsense transcripts	NM_025924.2
Mm.322453	22282	Usf2	upstream transcription factor 2	NM_011680.1
Mm.346654	74270	Usp20	ubiquitin specific peptidase 20	NM_028846.3
Mm.258320	170822	Usp33	ubiquitin specific peptidase 33	NM_133247.2

Mm.331784	22288	Utrn	utrophin	NM_011682.4
Mm.349358	113848	V1ra6	vomeronal 1 receptor, A6	NM_053221.1
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Mm.28420	22321	Vars	valyl-tRNA synthetase	NM_011690.2
Mm.379457	269523	Vcp	valosin containing protein	NM_009503.3
Mm.268000	22352	Vim	vimentin	NM_011701.3
Mm.292983	74199	Vit	vitrin	NM_028813.1
Mm.19091	107305	Vps37c	vacuolar protein sorting 37C (yeast)	NM_181403.2
Mm.1574	73178	Wasl	Wiskott-Aldrich syndrome-like (human)	NM_028459.1
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Mm.5110	70465	Wdr77	WD repeat domain 77	NM_027432.3
Mm.332320	24116	Whsc2	Wolf-Hirschhorn syndrome candidate 2	NM_011914.2
Mm.223504	215280	Wipf1	WAS/WASL interacting protein family, n	NM_153138.3
Mm.374909	330319	Wipf3	WAS/WASL interacting protein family, n	XM_620310.3
Mm.274948	22404	Wiz	widely-interspaced zinc finger motifs	NM_212438.1
Mm.255063	71446	Wrb	tryptophan rich basic protein	NM_207301.2
Mm.348649	74254	Xab1	XPA binding protein 1	NM_133756.4
Mm.275039	72322	Xpo5	exportin 5	NM_028198.1
Mm.25042	73192	Xpot	exportin, tRNA (nuclear export receptor)	NM_001081056.1
Mm.4347	22594	Xrcc1	X-ray repair complementing defective re	NM_009532.3
Mm.221992	22601	Yap1	yes-associated protein 1	NM_009534.2
Mm.212290	77929	Yipf6	Yip1 domain family, member 6	NM_207633.2
Mm.23335	27377	Yme11	YME1-like 1 (S. cerevisiae)	NM_013771.4
Mm.59978	241525	Ypel4	yippee-like 4 (Drosophila)	NM_001005342.2
Mm.30205	228994	Ythdf1	YTH domain family 1	NM_173761.3
Mm.3360	22631	Ywhaz	tyrosine 3-monooxygenase/tryptophan	NM_011740.2
Mm.279272	232879	ZBTB45	zinc finger and BTB domain containing 4	NM_001024699.1
Mm.233082	214290	Zcchc6	zinc finger, CCHC domain containing 6	NM_153538.2
Mm.261606	72881	Zdhhc4	zinc finger, DHHC domain containing 4	NM_028379.3
Mm.220972	21769	Zfand3	zinc finger, AN1-type domain 3	NM_148926.2
Mm.38195	71591	Zfp251	zinc finger protein 251	NM_001007568.2
Mm.107441	22688	Zfp26	zinc finger protein 26	NM_011753.2
Mm.276296	77652	Zfp422-rs1	zinc finger protein 422, related sequenc	NM_029952.2
Mm.286296	668501	zfp507	zinc finger protein 507	XM_145521.9
Mm.26594	240442	Zfp508	zinc finger protein 508	XM_989242.1
Mm.200818	69752	Zfp511	zinc finger protein 511	XM_991507.1
Mm.296100	22710	Zfp52	zinc finger protein 52	NM_144515.2
Mm.361832	619331	Zfp551	zinc fingr protein 551	NM_001033820.2
Mm.294295	69020	Zfp707	zinc finger protein 707	NM_001081065.1
Mm.381553	72306	Zfp777	zinc finger protein 777	NM_001081382.1
Mm.389873	338354	Zfp780b	zinc finger protein 780B	NM_001081021.1
Mm.113388	231125	Zfyve28	zinc finger, FYVE domain containing 28	NM_001015039.1
Mm.121274	320158	Zmat4	zinc finger, matrin type 4	NM_177086.2
Mm.1144	52915	Zmiz2	zinc finger, MIZ-type containing 2	NM_028601.2
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Mm.188422	99334	Zscan29	zinc finger SCAN domains 29	XM_982762.1
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