

Online Supplement Table I, Holdt et al.

External Gene ID	Chr	Gene Start (bp)	Gene End (bp)	Description	Ensembl Gene ID
1700012B15Rik	12	3235511	3238282	RIKEN cDNA 1700012B15 gene [Source:MGI;Acc:MGI:1921423]	ENSMUSG00000069618
Rab10	12	3247430	3309969	RAB10, member RAS oncogene family [Source:MGI;Acc:MGI:105066]	ENSMUSG00000020671
Kif3c	12	3365132	3406494	kinesin family member 3C [Source:MGI;Acc:MGI:107979]	ENSMUSG00000020668
1110002L01Rik	12	3405308	3426644	RIKEN cDNA 1110002L01 gene [Source:MGI;Acc:MGI:1915821]	ENSMUSG00000071456
Asx2	12	3426857	3506852	additional sex combs like 2 (Drosophila) [Source:MGI;Acc:MGI:1922552]	ENSMUSG00000037486
Dtnb	12	3572433	3781505	dystrobrevin, beta [Source:MGI;Acc:MGI:1203728]	ENSMUSG00000071454
Dnmt3a	12	3806980	3914443	DNA methyltransferase 3A [Source:MGI;Acc:MGI:1261827]	ENSMUSG00000020661
ENSMUSG0000007	12	3859293	3862244	predicted gene, ENSMUSG00000073242 [Source:MGI;Acc:MGI:3641689]	ENSMUSG00000073242
Pomc	12	3954951	3960642	pro-opiomelanocortin-alpha [Source:MGI;Acc:MGI:97742]	ENSMUSG00000020660
C030014M07Rik	12	3962554	4038915	RIKEN cDNA C030014M07 gene [Source:MGI;Acc:MGI:2444851]	ENSMUSG00000020658
Rbj	12	4082612	4110602	rab and DnaJ domain containing [Source:MGI;Acc:MGI:2443036]	ENSMUSG00000020657
Adcy3	12	4133468	4213524	adenylate cyclase 3 [Source:MGI;Acc:MGI:99675]	ENSMUSG00000020654
Cenpo	12	4198459	4234294	centromere protein O [Source:MGI;Acc:MGI:1923800]	ENSMUSG00000020652
Ncoa1	12	4249455	4483976	nuclear receptor coactivator 1 [Source:MGI;Acc:MGI:1276523]	ENSMUSG00000020647
Itsn2	12	4599814	4720756	intersectin 2 [Source:MGI;Acc:MGI:1338049]	ENSMUSG00000020640
4930417G10Rik	12	4720476	4745225	RIKEN cDNA 4930417G10 gene [Source:MGI;Acc:MGI:1922105]	ENSMUSG00000079177
A830093I24Rik	12	4753022	4776038	RIKEN cDNA A830093I24 gene [Source:MGI;Acc:MGI:2442121]	ENSMUSG00000050545
Pfn4	12	4776145	4785537	profilin family, member 4 [Source:MGI;Acc:MGI:1920121]	ENSMUSG00000020639
0610009D07Rik	12	4824414	4834464	RIKEN cDNA 0610009D07 gene [Source:MGI;Acc:MGI:1913305]	ENSMUSG00000037361
Fkbp1b	12	4839981	4848401	FK506 binding protein 1b [Source:MGI;Acc:MGI:1336205]	ENSMUSG00000020635
BC068281	12	4850153	4863731	cDNA sequence BC068281 [Source:MGI;Acc:MGI:3040699]	ENSMUSG00000051721
Gm1964	12	4869244	4881165	gene model 1964, (NCBI) [Source:MGI;Acc:MGI:3583946]	ENSMUSG00000037336
Ubx4	12	4885838	4914326	UBX domain containing 4 [Source:MGI;Acc:MGI:2442310]	ENSMUSG00000020634
Atad2b	12	4924210	4961800	ATPase family, AAA domain containing 2B [Source:MGI;Acc:MGI:2444798]	ENSMUSG00000052812
Klh29	12	5085903	5382488	kelch-like 29 (Drosophila) [Source:MGI;Acc:MGI:2683857]	ENSMUSG00000020627
2810032G03Rik	12	5419181	5423111	RIKEN cDNA 2810032G03 gene [Source:MGI;Acc:MGI:1919919]	ENSMUSG00000037735
Apob	12	7984479	8023305	apolipoprotein B [Source:MGI;Acc:MGI:88052]	ENSMUSG00000020609
1110057K04Rik	12	8214929	8292558	RIKEN cDNA 1110057K04 gene [Source:MGI;Acc:MGI:1916082]	ENSMUSG00000037669
Gdf7	12	8304740	8308760	growth differentiation factor 7 [Source:MGI;Acc:MGI:95690]	ENSMUSG00000037660
Hs1bp3	12	8320244	8349397	HCLS1 binding protein 3 [Source:MGI;Acc:MGI:1913224]	ENSMUSG00000020605
Rhob	12	8505848	8506438	ras homolog gene family, member B [Source:MGI;Acc:MGI:107949]	ENSMUSG00000054364
Slc7a15	12	8535289	8605872	solute carrier family 7 (cationic amino acid transporter, y+ system), member 15 [Source:MGI;Acc:MGI:1931751]	ENSMUSG00000020600
Pum2	12	8681204	8758331	pumilio 2 (Drosophila) [Source:MGI;Acc:MGI:1931751]	ENSMUSG00000020594
Sdc1	12	8778202	8800494	syndecan 1 [Source:MGI;Acc:MGI:1349162]	ENSMUSG00000020592
9930038B18Rik	12	8879996	8884265	RIKEN cDNA 9930038B18 gene [Source:MGI;Acc:MGI:2442156]	ENSMUSG00000042976
Laptm4a	12	8928130	8945548	lysosomal-associated protein transmembrane 4A [Source:MGI;Acc:MGI:108017]	ENSMUSG00000020585
Matn3	12	8954777	8978834	matrilin 3 [Source:MGI;Acc:MGI:1328350]	ENSMUSG00000020583
Wdr35	12	8980698	9035652	WD repeat domain 35 [Source:MGI;Acc:MGI:1921932]	ENSMUSG00000066643
Ttc32	12	9036803	9043200	tetratricopeptide repeat domain 32 [Source:MGI;Acc:MGI:1922766]	ENSMUSG00000066637
Osr1	12	9581303	9587705	odd-skipped related 1 (Drosophila) [Source:MGI;Acc:MGI:1344424]	ENSMUSG00000048387
Nt5c1b	12	10376850	10396971	5'-nucleotidase, cytosolic 1B [Source:MGI;Acc:MGI:1918131]	ENSMUSG00000020622
Rdh14	12	10397578	10402367	retinol dehydrogenase 14 (all-trans and 9-cis) [Source:MGI;Acc:MGI:1920402]	ENSMUSG00000020621
Kcns3	12	11097008	11157179	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3 [Source:MGI;Acc:MGI:1920402]	ENSMUSG00000043673

Msgn1	12	11215188	11215754	mesogenin 1 [Source:MGI;Acc:MGI:1860483]	ENSMUSG00000047002
1700034J04Rik	12	11228622	11229005	RIKEN cDNA 1700034J04 gene [Source:MGI;Acc:MGI:1920554]	ENSMUSG00000050325
5830483C08Rik	12	11246547	11272572	RIKEN cDNA 5830483C08 gene [Source:MGI;Acc:MGI:2443149]	ENSMUSG00000051235
Smc6	12	11272692	11326591	structural maintenance of chromosomes 6 [Source:MGI;Acc:MGI:1914491]	ENSMUSG00000020608
Vsnl1	12	11332053	11443419	visinin-like 1 [Source:MGI;Acc:MGI:1349453]	ENSMUSG00000054459
D12Erd553e	12	12283145	12383165	Protein FAM49A. [Source:Uniprot/SWISSPROT;Acc:Q8BHZ0]	ENSMUSG00000020589
Mycn	12	12942905	12948642	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian) [Source:MGI;Acc:MGI:1914491]	ENSMUSG00000037169
Ddx1	12	13226114	13256019	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 [Source:MGI;Acc:MGI:2144727]	ENSMUSG00000037149
4933425L03Rik	12	13275939	13324548	RIKEN cDNA 4933425L03 gene [Source:MGI;Acc:MGI:1918419]	ENSMUSG00000073228
NR_003027.1	12	13514668	13514774	U6 small nuclear RNA (Rnu6) [Source:RefSeq_dna;Acc:NR_003027]	ENSMUSG00000075729
AW125753	12	14154405	14158844	expressed sequence AW125753 [Source:MGI;Acc:MGI:2145011]	ENSMUSG00000020607
ENSMUSG0000006	12	14291243	14291452	predicted gene, ENSMUSG00000066623 [Source:MGI;Acc:MGI:3642481]	ENSMUSG00000078376
Trib2	12	15798535	15823655	tribbles homolog 2 (Drosophila) [Source:MGI;Acc:MGI:2145021]	ENSMUSG00000020601
Lpin1	12	16543442	16596576	lipin 1 [Source:MGI;Acc:MGI:1891340]	ENSMUSG00000020593
Ntsr2	12	16660276	16667042	neurotensin receptor 2 [Source:MGI;Acc:MGI:108018]	ENSMUSG00000020591
Greb1	12	16678455	16746978	gene regulated by estrogen in breast cancer protein [Source:MGI;Acc:MGI:2149712]	ENSMUSG00000036523
E2f6	12	16817775	16833549	E2F transcription factor 6 [Source:MGI;Acc:MGI:1354159]	ENSMUSG00000057469
Rock2	12	16901784	16995080	Rho-associated coiled-coil containing protein kinase 2 [Source:MGI;Acc:MGI:107926]	ENSMUSG00000020580
Pqlc3	12	16995460	17006872	PQ loop repeat containing [Source:MGI;Acc:MGI:2444067]	ENSMUSG00000045679
Kcnf1	12	17181507	17182988	potassium voltage-gated channel, subfamily F, member 1 [Source:MGI;Acc:MGI:2687399]	ENSMUSG00000051726
Pdia6	12	17273401	17291576	protein disulfide isomerase associated 6 [Source:MGI;Acc:MGI:1919103]	ENSMUSG00000020571
Atp6v1c2	12	17291529	17331556	ATPase, H+ transporting, lysosomal V1 subunit C2 [Source:MGI;Acc:MGI:1916025]	ENSMUSG00000020566
Nol10	12	17355285	17437381	nucleolar protein 10 [Source:MGI;Acc:MGI:2684913]	ENSMUSG00000061458
Odc1	12	17551679	17558308	ornithine decarboxylase, structural 1 [Source:MGI;Acc:MGI:97402]	ENSMUSG00000011179
Hpcal1	12	17697620	17798732	hippocalcin-like 1 [Source:MGI;Acc:MGI:1855689]	ENSMUSG00000071379
EG245297	12	17999907	18068817	predicted gene, EG245297 [Source:MGI;Acc:MGI:3646928]	ENSMUSG00000071372
5730507C01Rik	12	18521544	18540997	RIKEN cDNA 5730507C01 gene [Source:MGI;Acc:MGI:1917882]	ENSMUSG00000073197
EG544848	12	19393665	19394072	predicted gene, EG544848 [Source:MGI;Acc:MGI:3647969]	ENSMUSG00000073187
BC099486	12	20202473	20465075	cDNA sequence BC099486 [Source:MGI;Acc:MGI:3695758]	ENSMUSG00000059229
6030426L16Rik	12	20421578	20439560	RIKEN cDNA 6030426L16 gene [Source:MGI;Acc:MGI:1924364]	ENSMUSG00000073184
LOC668471	12	20620887	20621294		ENSMUSG00000073183
1700030C10Rik	12	20820997	20821332	RIKEN cDNA 1700030C10 gene [Source:MGI;Acc:MGI:1916763]	ENSMUSG00000073182
Zfp125	12	20905683	20906728	zinc finger protein 125 [Source:MGI;Acc:MGI:1336211]	ENSMUSG00000069755
Ddef2	12	21117805	21276032	development and differentiation enhancing factor 2 [Source:MGI;Acc:MGI:2685438]	ENSMUSG00000052632
Itgb1bp1	12	21275667	21292098	integrin beta 1 binding protein 1 [Source:MGI;Acc:MGI:1306802]	ENSMUSG00000062352
Cpsf3	12	21292247	21320917	cleavage and polyadenylation specificity factor 3 [Source:MGI;Acc:MGI:1859328]	ENSMUSG00000054309
Iah1	12	21322250	21329464	isoamyl acetate-hydrolyzing esterase 1 homolog (S. cerevisiae) [Source:MGI;Acc:MGI:191498]	ENSMUSG00000062054
Adam17	12	21329370	21379454	a disintegrin and metallopeptidase domain 17 [Source:MGI;Acc:MGI:1096335]	ENSMUSG00000052593
Ywhaq	12	21396190	21423442	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide [Source:MGI;Acc:MGI:191498]	ENSMUSG00000076432
EG432637	12	22171708	22324391	predicted gene, EG432637 [Source:MGI;Acc:MGI:3649058]	ENSMUSG00000073168
2410018L13Rik	12	22990973	23674816	RIKEN cDNA 2410018L13 gene [Source:MGI;Acc:MGI:1916982]	ENSMUSG00000073164
ENSMUSG0000007	12	24464705	24465043	predicted gene, ENSMUSG00000071362 [Source:MGI;Acc:MGI:3642221]	ENSMUSG00000071362
9030624G23Rik	12	24729160	24782134	RIKEN cDNA 9030624G23 gene [Source:MGI;Acc:MGI:1914058]	ENSMUSG00000073158
Taf1b	12	25183459	25243414	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, B [Source:MGI;Acc:MGI:1914058]	ENSMUSG00000059669
Grh1	12	25257168	25302252	grainyhead-like 1 (Drosophila) [Source:MGI;Acc:MGI:2182540]	ENSMUSG00000020656
Cox7a2l	12	25323256	25512739	cytochrome c oxidase subunit VIIa polypeptide 2-like [Source:MGI;Acc:MGI:106015]	ENSMUSG00000066553

Klf11	12	25336139	25347540	Kruppel-like factor 11 [Source:MGI;Acc:MGI:2653368]	ENSMUSG00000020653
Cys1	12	25350713	25366678	cystin 1 [Source:MGI;Acc:MGI:2177632]	ENSMUSG00000062563
Rrm2	12	25393119	25398972	ribonucleotide reductase M2 [Source:MGI;Acc:MGI:98181]	ENSMUSG00000020649
Mboat2	12	25514254	25645166	membrane bound O-acyltransferase domain containing 2 [Source:MGI;Acc:MGI:1914466]	ENSMUSG00000020646
C330002I19Rik	12	25659797	25746142	RIKEN cDNA C330002I19 gene [Source:MGI;Acc:MGI:1924730]	ENSMUSG00000036333
Id2	12	25778666	25780960	inhibitor of DNA binding 2 [Source:MGI;Acc:MGI:96397]	ENSMUSG00000020644
Rnf144a	12	26991662	27100121	ring finger protein 144A [Source:MGI;Acc:MGI:1344401]	ENSMUSG00000020642
Rsad2	12	27127608	27141298	radical S-adenosyl methionine domain containing 2 [Source:MGI;Acc:MGI:1929628]	ENSMUSG00000020641
Tyki	12	27154069	27164700	thymidylate kinase family LPS-inducible member [Source:MGI;Acc:MGI:99830]	ENSMUSG00000020638
EG636791	12	27825661	27845311	predicted gene, EG636791 [Source:MGI;Acc:MGI:3643118]	ENSMUSG00000052076
Sox11	12	28019129	28027439	SRV-box containing gene 11 [Source:MGI;Acc:MGI:98359]	ENSMUSG00000063632
1110015M06Rik	12	29122660	29232129	RIKEN cDNA 1110015M06 gene [Source:MGI;Acc:MGI:1915761]	ENSMUSG00000020633
Allc	12	29238620	29267380	allantoicase [Source:MGI;Acc:MGI:2136971]	ENSMUSG00000020636
Colec11	12	29279038	29308155	collectin sub-family member 11 [Source:MGI;Acc:MGI:1918943]	ENSMUSG00000036655
Rps7	12	29315963	29320790	ribosomal protein S7 [Source:MGI;Acc:MGI:1333818]	ENSMUSG00000061477
Rnaseh1	12	29334505	29344452	ribonuclease H1 [Source:MGI;Acc:MGI:1335073]	ENSMUSG00000020630
Adi1	12	29360072	29367040	acireductone dioxygenase 1 [Source:MGI;Acc:MGI:2144929]	ENSMUSG00000020629
Ttc15	12	29375495	29435271	tetratricopeptide repeat domain 15 [Source:MGI;Acc:MGI:2445089]	ENSMUSG00000020628
Tssc1	12	29436693	29552355	tumor suppressing subtransferable candidate 1 [Source:MGI;Acc:MGI:1289332]	ENSMUSG00000036613
Myt1l	12	30219801	30605707	myelin transcription factor 1-like [Source:MGI;Acc:MGI:1100511]	ENSMUSG00000061911
Pxdn	12	30622999	30702516	peroxidasin homolog (Drosophila) [Source:MGI;Acc:MGI:1916925]	ENSMUSG00000020674
Tpo	12	30739527	30817474	thyroid peroxidase [Source:MGI;Acc:MGI:98813]	ENSMUSG00000020673
Sntg2	12	30859422	31058199	synthrophin, gamma 2 [Source:MGI;Acc:MGI:1919541]	ENSMUSG00000020672
Tmem18	12	31269309	31276080	transmembrane protein 18 [Source:MGI;Acc:MGI:2387176]	ENSMUSG00000043061
Acp1	12	31569187	31578719	acid phosphatase 1, soluble [Source:MGI;Acc:MGI:87881]	ENSMUSG00000054204
Sh3yl1	12	31596534	31645014	Sh3 domain YSC-like 1 [Source:MGI;Acc:MGI:1346118]	ENSMUSG00000020669
9030611O19Rik	12	31758830	31764802	RIKEN cDNA 9030611O19 gene [Source:MGI;Acc:MGI:1918813]	ENSMUSG00000036136
6030469F06Rik	12	31856066	31870766	RIKEN cDNA 6030469F06 gene [Source:MGI;Acc:MGI:3588235]	ENSMUSG00000073142
Lamb1-1	12	31950159	32014504	laminin B1 subunit 1 [Source:MGI;Acc:MGI:96743]	ENSMUSG00000020900
Dld	12	32016142	32036280	dihydrolipoamide dehydrogenase [Source:MGI;Acc:MGI:107450]	ENSMUSG00000020664
Slc26a3	12	32123166	32158584	solute carrier family 26, member 3 [Source:MGI;Acc:MGI:107181]	ENSMUSG00000001225
Cbl1	12	32170158	32184481	Casitas B-lineage lymphoma-like 1 [Source:MGI;Acc:MGI:2144842]	ENSMUSG00000020659
ENSMUSG0000007	12	32184933	32185612	predicted gene, ENSMUSG00000073133 [Source:MGI;Acc:MGI:3642088]	ENSMUSG00000073133
Slc26a4	12	32204692	32244834	solute carrier family 26, member 4 [Source:MGI;Acc:MGI:1346029]	ENSMUSG00000020651
Bcap29	12	32280226	32319464	B-cell receptor-associated protein 29 [Source:MGI;Acc:MGI:101917]	ENSMUSG00000020650
Dus4l	12	32324920	32339691	dihydrouridine synthase 4-like (S. cerevisiae) [Source:MGI;Acc:MGI:1919166]	ENSMUSG00000020648
Cog5	12	32339734	32622495	component of oligomeric golgi complex 5 [Source:MGI;Acc:MGI:2145130]	ENSMUSG00000035933
Gpr22	12	32391739	32398791	G protein-coupled receptor 22 [Source:MGI;Acc:MGI:1920260]	ENSMUSG00000044067
Hbp1	12	32611343	32635088	high mobility group box transcription factor 1 [Source:MGI;Acc:MGI:894659]	ENSMUSG00000002996
Prkar2b	12	32643341	32746144	protein kinase, cAMP dependent regulatory, type II beta [Source:MGI;Acc:MGI:97760]	ENSMUSG00000002997
Pik3cg	12	32859035	32893514	phosphoinositide-3-kinase, catalytic, gamma polypeptide [Source:MGI;Acc:MGI:1353576]	ENSMUSG00000020573
2010109K11Rik	12	33064287	33064505	RIKEN cDNA 2010109K11 gene [Source:MGI;Acc:MGI:1919373]	ENSMUSG00000078373
Pbef1	12	33505340	33536472	pre-B-cell colony-enhancing factor 1 [Source:MGI;Acc:MGI:1929865]	ENSMUSG00000020572
Sypl	12	33638833	33661769	synaptophysin-like protein [Source:MGI;Acc:MGI:108081]	ENSMUSG00000020570
1110049B09Rik	12	33718661	33777740	RIKEN cDNA 1110049B09 gene [Source:MGI;Acc:MGI:1916014]	ENSMUSG00000035860
F730043M19Rik	12	33796585	33832462	RIKEN cDNA F730043M19 gene [Source:MGI;Acc:MGI:2443237]	ENSMUSG00000052125

Atxn7l4	12	33832600	33936011	ataxin 7-like 4 [Source:MGI;Acc:MGI:1919424]	ENSMUSG00000073126
Drr1	12	33878864	33895835	developmentally regulated repeat element-containing transcript 1 [Source:MGI;Acc:MGI:12984]	ENSMUSG00000079143
Atxn7l1	12	33987416	34053138	ataxin 7-like 1 [Source:MGI;Acc:MGI:3584458]	ENSMUSG00000020564
4930504H06Rik	12	34079719	34086133	RIKEN cDNA 4930504H06 gene [Source:MGI;Acc:MGI:1922290]	ENSMUSG00000020562
Twistnb	12	34114500	34125146	TWIST neighbor [Source:MGI;Acc:MGI:106292]	ENSMUSG00000020561
Ferd3l	12	34613290	34614175	Fer3-like (Drosophila) [Source:MGI;Acc:MGI:2150010]	ENSMUSG00000046518
Twist1	12	34642536	34644682	twist gene homolog 1 (Drosophila) [Source:MGI;Acc:MGI:98872]	ENSMUSG00000035799
Hdac9	12	34737166	35213739	histone deacetylase 9 [Source:MGI;Acc:MGI:1931221]	ENSMUSG00000004698
4921508M14Rik	12	35558773	35559213	RIKEN cDNA 4921508M14 gene [Source:MGI;Acc:MGI:1918094]	ENSMUSG00000052376
NM_029294.2	12	35669560	35670524	phosphoribosyl pyrophosphate synthetase 1-like 1 (Prps11), mRNA [Source:RefSeq_dna;Acc:MGI:1918094]	ENSMUSG00000046292
Q3UFZ0_MOUSE	12	35739773	35741633	B16 F10Y cells cDNA, RIKEN full-length enriched library, clone:G370056L01 product:hypothes	ENSMUSG00000078372
Snx13	12	35763409	35830051	sorting nexin 13 [Source:MGI;Acc:MGI:2661416]	ENSMUSG00000020590
mmu-mir-680-3	12	35879483	35879569	mmu-mir-680-3 [Source:miRBase;Acc:MI0004642]	ENSMUSG00000076253
Ahr	12	36182655	36219710	aryl-hydrocarbon receptor [Source:MGI;Acc:MGI:105043]	ENSMUSG00000019256
Agr3	12	36652207	36676323	anterior gradient homolog 3 (Xenopus laevis) [Source:MGI;Acc:MGI:2685734]	ENSMUSG00000036231
Agr2	12	36719494	36730667	anterior gradient 2 (Xenopus laevis) [Source:MGI;Acc:MGI:1344405]	ENSMUSG00000020581
Tspan13	12	36741151	36769117	tetraspanin 13 [Source:MGI;Acc:MGI:1913359]	ENSMUSG00000020577
EG432649	12	36816963	36818369	predicted gene, EG432649 [Source:MGI;Acc:MGI:3646221]	ENSMUSG00000059301
Bzw2	12	36818433	36883407	basic leucine zipper and W2 domains 2 [Source:MGI;Acc:MGI:1914162]	ENSMUSG00000020547
Ankmy2	12	36883740	36923878	ankyrin repeat and MYND domain containing 2 [Source:MGI;Acc:MGI:2144755]	ENSMUSG00000036188
1700108M19Rik	12	36934932	36944789	RIKEN cDNA 1700108M19 gene [Source:MGI;Acc:MGI:1920830]	ENSMUSG00000020545
Sostdc1	12	37040813	37045032	sclerostin domain containing 1 [Source:MGI;Acc:MGI:1913292]	ENSMUSG00000036169
4930579E17Rik	12	37108106	37416031	RIKEN cDNA 4930579E17 gene [Source:MGI;Acc:MGI:1923097]	ENSMUSG00000043153
Meox2	12	37835133	37906115	mesenchyme homeobox 2 [Source:MGI;Acc:MGI:103219]	ENSMUSG00000036144
A530016O06Rik	12	37968226	38308519	RIKEN cDNA A530016O06 gene [Source:MGI;Acc:MGI:2442495]	ENSMUSG00000050103
Dgkb	12	38607292	39359997	diacylglycerol kinase, beta [Source:MGI;Acc:MGI:2442474]	ENSMUSG00000036095
Etv1	12	39506897	39594790	ets variant gene 1 [Source:MGI;Acc:MGI:99254]	ENSMUSG00000004151
Arl4a	12	40759878	40764574	ADP-ribosylation factor-like 4A [Source:MGI;Acc:MGI:99437]	ENSMUSG00000047446
Scin	12	40786360	40860777	scinderin [Source:MGI;Acc:MGI:1306794]	ENSMUSG00000002565
Gm889	12	40902973	40925902	gene model 889, (NCBI) [Source:MGI;Acc:MGI:2685735]	ENSMUSG00000071342
Ifrd1	12	40928154	40949772	interferon-related developmental regulator 1 [Source:MGI;Acc:MGI:1316717]	ENSMUSG00000001627
EG629820	12	40949345	40951822	predicted gene, EG629820 [Source:MGI;Acc:MGI:3647211]	ENSMUSG00000035983
Zfp277	12	41041633	41172361	zinc finger protein 277 [Source:MGI;Acc:MGI:1890393]	ENSMUSG00000055917
Dock4	12	41172640	41573073	dedicator of cytokinesis 4 [Source:MGI;Acc:MGI:1918006]	ENSMUSG00000035954
Immp2l	12	41794899	43056087	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae) [Source:MGI;Acc:MGI:2136]	ENSMUSG00000056899
Lrrn3	12	42178308	42212555	leucine rich repeat protein 3, neuronal [Source:MGI;Acc:MGI:106036]	ENSMUSG00000036295
ENSMUSG00000006	12	44911530	44945180	predicted gene, ENSMUSG00000066507 [Source:MGI;Acc:MGI:3642736]	ENSMUSG00000066507
Dnajb9	12	45306884	45311055	DnaJ (Hsp40) homolog, subfamily B, member 9 [Source:MGI;Acc:MGI:1351618]	ENSMUSG00000014905
Pnpla8	12	45370141	45414420	patatin-like phospholipase domain containing 8 [Source:MGI;Acc:MGI:1914702]	ENSMUSG00000036257
Nrcam	12	45429971	45699827	neuron-glia-CAM-related cell adhesion molecule [Source:MGI;Acc:MGI:104750]	ENSMUSG00000020598
Stxbp6	12	45953473	46175470	syntaxin binding protein 6 (amisyn) [Source:MGI;Acc:MGI:2384963]	ENSMUSG00000046314
ENSMUSG00000005	12	46538167	46538892	predicted gene, ENSMUSG00000053810 [Source:MGI;Acc:MGI:3642033]	ENSMUSG00000053810
Nova1	12	47797592	47798164	neuro-oncological ventral antigen 1 [Source:MGI;Acc:MGI:104297]	ENSMUSG00000053548
Foxg1	12	50483994	50495114	forkhead box G1 [Source:MGI;Acc:MGI:1347464]	ENSMUSG00000020950
ENSMUSG00000004	12	50502264	50502824	predicted gene, ENSMUSG00000045946 [Source:MGI;Acc:MGI:3704387]	ENSMUSG00000045946
Prkcm	12	51442708	51750090	protein kinase C, mu [Source:MGI;Acc:MGI:99879]	ENSMUSG0000002688

ENSMUSG0000007	12	51724527	51727797	predicted gene, ENSMUSG00000073105 [Source:MGI;Acc:MGI:3704388]	ENSMUSG00000073105
6030408C04Rik	12	52449314	52476555	RIKEN cDNA 6030408C04 gene [Source:MGI;Acc:MGI:2444298]	ENSMUSG00000035293
Scfd1	12	52478567	52551083	sec1 family domain containing 1 [Source:MGI;Acc:MGI:1924233]	ENSMUSG00000020952
Coch	12	52694344	52706760	coagulation factor C homolog (Limulus polyphemus) [Source:MGI;Acc:MGI:1278313]	ENSMUSG00000020953
Strn3	12	52710632	52792874	striatin, calmodulin binding protein 3 [Source:MGI;Acc:MGI:2151064]	ENSMUSG00000020954
Ap4s1	12	52792024	52839668	adaptor-related protein complex AP-4, sigma 1 [Source:MGI;Acc:MGI:1337065]	ENSMUSG00000020955
Hectd1	12	52845511	52930523	HECT domain containing 1 [Source:MGI;Acc:MGI:2384768]	ENSMUSG00000035247
EG544864	12	52930652	52933441	predicted gene, EG544864 [Source:MGI;Acc:MGI:3643232]	ENSMUSG00000059605
Heatr5a	12	52976860	53072308	HEAT repeat containing 5A [Source:MGI;Acc:MGI:2444133]	ENSMUSG00000035181
6530401N04Rik	12	53089794	53107488	RIKEN cDNA 6530401N04 gene [Source:MGI;Acc:MGI:1923485]	ENSMUSG00000020956
Gpr33	12	53123988	53129050	G protein-coupled receptor 33 [Source:MGI;Acc:MGI:1277106]	ENSMUSG00000035148
Nubpl	12	53198734	53411945	nucleotide binding protein-like [Source:MGI;Acc:MGI:1924076]	ENSMUSG00000035142
Arhgap5	12	53604959	53668839	Rho GTPase activating protein 5 [Source:MGI;Acc:MGI:1332637]	ENSMUSG00000035133
Akap6	12	53800370	54252002	A kinase (PRKA) anchor protein 6 [Source:MGI;Acc:MGI:3050566]	ENSMUSG00000061603
Npas3	12	54349663	55170061	neuronal PAS domain protein 3 [Source:MGI;Acc:MGI:1351610]	ENSMUSG00000021010