

Supplementary information, Table S2. Genes belonging to groups in Supplementary information, Figure S8

Genbank	Description
NM_012054	Mus musculus acyloxyacyl hydrolase (Aoah), mRNA [NM_012054]
NM_153508	Mus musculus calyntenin 3 (Clstn3), mRNA [NM_153508]
NM_011305	Mus musculus retinoid X receptor alpha (Rxra), mRNA [NM_011305]
NM_011884	Mus musculus RNA guanylyltransferase and 5'-phosphatase (Rngtt), mRNA [NM_011884]
NM_013892	Mus musculus proprotein convertase subtilisin/kexin type 1 inhibitor (Pcsk1n), mRNA [NM_013892]
NM_008595	Mus musculus manic fringe homolog (<i>Drosophila</i>) (Mfng), mRNA [NM_008595]
NM_008860	Mus musculus protein kinase C, zeta (Prkcz), transcript variant 1, mRNA [NM_008860]
NM_212457	Mus musculus brain expressed gene 4 (Bex4), mRNA [NM_212457]
NM_009514	Mus musculus pre-B lymphocyte gene 3 (Vpreb3), mRNA [NM_009514]
NM_013924	Mus musculus activator of basal transcription (Abt1), mRNA [NM_013924]
NM_028661	Mus musculus RIKEN cDNA 1110006G06 gene (1110006G06Rik), mRNA [NM_028661]
NM_174992	Mus musculus cDNA sequence BC004728 (BC004728), transcript variant 1, mRNA [NM_174992]
NM_026468	Mus musculus ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2 (Atp5g2), mRNA [NM_026468]
NM_009575	Mus musculus zinc finger protein of the cerebellum 3 (Zic3), mRNA [NM_009575]
NM_029649	Mus musculus transmembrane protein 101 (Tmem101), mRNA [NM_029649]
AK004470	Mus musculus 18-day embryo whole body cDNA, RIKEN full-length enriched library, clone:1190003J15 product:hypothetical Transthyretin/Transthyretin-related containing protein, full insert sequence. [AK004470]
NM_053071	Mus musculus cytochrome c oxidase, subunit VIc (Cox6c), mRNA [NM_053071]
NM_026068	Mus musculus mediator of RNA polymerase II transcription, subunit 31 homolog (yeast) (Med31), mRNA [NM_026068]
NM_001017429	Mus musculus cytochrome c oxidase, subunit XVII assembly protein homolog (yeast) (Cox17), mRNA [NM_001017429]
NM_133945	Mus musculus vaccinia related kinase 3 (Vrk3), mRNA [NM_133945]
AK019664	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930502N02 product:hypothetical Adenylate kinase/Glutamic acid-rich region containing protein, full insert sequence. [AK019664]
NM_019472	Mus musculus myosin X (Myo10), mRNA [NM_019472]
NM_178739	Mus musculus WD repeat domain 40B (Wdr40b), mRNA [NM_178739]
NM_008108	Mus musculus growth differentiation factor 3 (Gdf3), mRNA [NM_008108]
NM_144912	Mus musculus RAD9 homolog B (<i>S. cerevisiae</i>) (Rad9b), mRNA [NM_144912]
NM_022987	Mus musculus zinc finger protein of the cerebellum 5 (Zic5), mRNA [NM_022987]
NM_013633	Mus musculus POU domain, class 5, transcription factor 1 (Pou5f1), mRNA [NM_013633]
NM_008532	Mus musculus tumor-associated calcium signal transducer 1 (Tacstd1), mRNA [NM_008532]
NM_013545	Mus musculus protein tyrosine phosphatase, non-receptor type 6 (Ptpn6), transcript variant 1, mRNA [NM_013545]
NM_013840	Mus musculus ubiquitously expressed transcript (Uxt), mRNA [NM_013840]
NM_021480	Mus musculus L-threonine dehydrogenase (Tdh), mRNA [NM_021480]
NM_025533	Mus musculus nitric oxide synthase interacting protein (Nosip), mRNA [NM_025533]

NM_013924	Mus musculus activator of basal transcription (Abt1), mRNA [NM_013924]
NM_144953	Mus musculus RIKEN cDNA 1700019D03 gene (1700019D03Rik), mRNA [NM_144953]
NM_013840	Mus musculus ubiquitously expressed transcript (Uxt), mRNA [NM_013840]
NM_010361	Mus musculus glutathione S-transferase, theta 2 (Gstt2), mRNA [NM_010361]
NM_153062	Mus musculus solute carrier family 37 (glycerol-3-phosphate transporter), member 1 (Slc37a1), mRNA [NM_153062]
NM_013769	Mus musculus tight junction protein 3 (Tjp3), mRNA [NM_013769]
NM_022024	Mus musculus glia maturation factor, gamma (Gmfg), transcript variant 1, mRNA [NM_022024]
NM_008635	Mus musculus microtubule-associated protein 7 (Mtap7), mRNA [NM_008635]
NM_008635	Mus musculus microtubule-associated protein 7 (Mtap7), mRNA [NM_008635]
NM_008860	Mus musculus protein kinase C, zeta (Prkcz), transcript variant 1, mRNA [NM_008860]
NM_008860	Mus musculus protein kinase C, zeta (Prkcz), transcript variant 1, mRNA [NM_008860]
NM_029554	Mus musculus RIKEN cDNA 0610040J01 gene (0610040J01Rik), mRNA [NM_029554]
NM_007957	Mus musculus extraembryonic, spermatogenesis, homeobox 1 (Esx1), mRNA [NM_007957]
NM_007430	Mus musculus nuclear receptor subfamily 0, group B, member 1 (Nr0b1), mRNA [NM_007430]
NM_022985	Mus musculus zinc finger, AN1-type domain 6 (Zfand6), mRNA [NM_022985]
NM_134251	Mus musculus solute carrier family 12 (potassium/chloride transporters), member 8 (Slc12a8), mRNA [NM_134251]
NM_013892	Mus musculus proprotein convertase subtilisin/kexin type 1 inhibitor (Pcsk1n), mRNA [NM_013892]
NM_026468	Mus musculus ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 2 (Atp5g2), mRNA [NM_026468]
NM_030722	Mus musculus pumilio 1 (<i>Drosophila</i>) (Pum1), mRNA [NM_030722]
NM_026301	Mus musculus ring finger protein 125 (Rnf125), mRNA [NM_026301]
NM_026323	Mus musculus WAP four-disulfide core domain 2 (Wfdc2), mRNA [NM_026323]
NM_013924	Mus musculus activator of basal transcription (Abt1), mRNA [NM_013924]
NM_009514	Mus musculus pre-B lymphocyte gene 3 (Vpreb3), mRNA [NM_009514]
NM_011305	Mus musculus retinoid X receptor alpha (Rxra), mRNA [NM_011305]
NM_025838	Mus musculus RIKEN cDNA 1110004B13 gene (1110004B13Rik), transcript variant 1, mRNA [NM_025838]
NM_172293	Mus musculus cDNA sequence BC038822 (BC038822), mRNA [NM_172293]
NM_008822	Mus musculus peroxisome biogenesis factor 7 (Pex7), mRNA [NM_008822]
NM_009342	Mus musculus dynein light chain Tctex-type 1 (Dyntl1), mRNA [NM_009342]
AK010559	Mus musculus ES cells cDNA, RIKEN full-length enriched library, clone:2410019P08 product:hypothetical Proline-rich region profile/Zn-finger, C2H2 type containing protein, full insert sequence. [AK010559]
NM_011973	Mus musculus renal tumor antigen (Rage), mRNA [NM_011973]
NM_011973	Mus musculus renal tumor antigen (Rage), mRNA [NM_011973]
NM_011884	Mus musculus RNA guanylyltransferase and 5'-phosphatase (Rngtt), mRNA [NM_011884]
NM_022024	Mus musculus glia maturation factor, gamma (Gmfg), transcript variant 1, mRNA [NM_022024]
NM_021099	Mus musculus kit oncogene (Kit), mRNA [NM_021099]
AK019664	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4930502N02 product:hypothetical Adenylate kinase/Glutamic acid-rich region

	containing protein, full insert sequence. [AK019664]
NM_007507	Mus musculus ATP synthase, H ⁺ transporting, mitochondrial F1F0 complex, subunit e (Atp5k), mRNA [NM_007507]
NM_021397	Mus musculus zinc finger and BTB domain containing 32 (Zbtb32), mRNA [NM_021397]
NM_178367	Mus musculus DEAH (Asp-Glu-Ala-His) box polypeptide 33 (Dhx33), mRNA [NM_178367]
NM_172799	Mus musculus tubulin tyrosine ligase-like family, member 6 (Ttl6), mRNA [NM_172799]
NM_139218	Mus musculus developmental pluripotency-associated 3 (Dppa3), mRNA [NM_139218]
NM_019743	Mus musculus RING1 and YY1 binding protein (Rybp), mRNA [NM_019743]
NM_054085	Mus musculus alpha-kinase 3 (Alpk3), mRNA [NM_054085]
NM_029948	Mus musculus PRAME family member 12 (Pramef12), mRNA [NM_029948]
NM_175238	Mus musculus Rap1 interacting factor 1 homolog (yeast) (Rif1), mRNA [NM_175238]
NM_009556	Mus musculus zinc finger protein 42 (Zfp42), mRNA [NM_009556]
NM_008955	Mus musculus reproductive homeobox 6 (Rhox6), mRNA [NM_008955]
NM_015766	Mus musculus Epstein-Barr virus induced gene 3 (Ebi3), mRNA [NM_015766]
NM_175482	Mus musculus ubiquitin specific peptidase 28 (Usp28), mRNA [NM_175482]
NM_007866	Mus musculus delta-like 3 (Drosophila) (Dll3), mRNA [NM_007866]
NM_009236	Mus musculus SRY-box containing gene 18 (Sox18), mRNA [NM_009236]
NM_028610	Mus musculus developmental pluripotency associated 4 (Dppa4), transcript variant 1, mRNA [NM_028610]
NM_026904	Mus musculus anaphase promoting complex subunit 10 (Anapc10), mRNA [NM_026904]
NM_011934	Mus musculus estrogen related receptor, beta (Esrrb), mRNA [NM_011934]
NM_026904	Mus musculus anaphase promoting complex subunit 10 (Anapc10), mRNA [NM_026904]
NM_023894	Mus musculus reproductive homeobox 9 (Rhox9), mRNA [NM_023894]
NM_023219	Mus musculus solute carrier family 5 (neutral amino acid transporters, system A), member 4b (Slc5a4b), mRNA [NM_023219]
NM_172994	Mus musculus protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform (Ppp2r2c), mRNA [NM_172994]
NM_031188	Mus musculus major urinary protein 1 (Mup1), mRNA [NM_031188]
NM_011328	Mus musculus secretin (Sct), mRNA [NM_011328]
NM_025274	Mus musculus developmental pluripotency associated 5 (Dppa5), mRNA [NM_025274]
NM_011776	Mus musculus zona pellucida glycoprotein 3 (Zp3), mRNA [NM_011776]
NM_023755	Mus musculus transcription factor CP2-like 1 (Tcfcp2l1), mRNA [NM_023755]
NM_028783	Mus musculus roundabout homolog 4 (Drosophila) (Robo4), mRNA [NM_028783]
NM_172283	Mus musculus fucokinase (Fuk), transcript variant 1, mRNA [NM_172283]
NM_011635	Mus musculus tumor rejection antigen P1A (Trap1a), mRNA [NM_011635]
NM_029794	Mus musculus DNA segment, Chr 11, ERATO Doi 636, expressed (D11Ert636e), transcript variant 2, mRNA [NM_029794]
NM_145464	Mus musculus SRY-box containing gene 21 (Sox21), mRNA [NM_145464]
NM_007491	Mus musculus ADP-ribosyltransferase 5 (Art5), mRNA [NM_007491]
NM_175238	Mus musculus Rap1 interacting factor 1 homolog (yeast) (Rif1), mRNA [NM_175238]
NM_023755	Mus musculus transcription factor CP2-like 1 (Tcfcp2l1), mRNA [NM_023755]
NM_019945	Mus musculus microtubule associated serine/threonine kinase 1 (Mast1), mRNA [NM_019945]

NM_029341	Mus musculus calcyphosine-like (Capsl), mRNA [NM_029341]
NM_013873	Mus musculus sulfotransferase family 4A, member 1 (Sult4a1), mRNA [NM_013873]
NM_023219	Mus musculus solute carrier family 5 (neutral amino acid transporters, system A), member 4b (Slc5a4b), mRNA [NM_023219]
NM_023219	Mus musculus solute carrier family 5 (neutral amino acid transporters, system A), member 4b (Slc5a4b), mRNA [NM_023219]
NM_011401	Mus musculus solute carrier family 2 (facilitated glucose transporter), member 3 (Slc2a3), mRNA [NM_011401]
NM_178367	Mus musculus DEAH (Asp-Glu-Ala-His) box polypeptide 33 (Dhx33), mRNA [NM_178367]
NM_008614	Mus musculus myelin-associated oligodendrocytic basic protein (Mobp), transcript variant 1, mRNA [NM_008614]
NM_025274	Mus musculus developmental pluripotency associated 5 (Dppa5), mRNA [NM_025274]
NM_145464	Mus musculus SRY-box containing gene 21 (Sox21), mRNA [NM_145464]
NM_010014	Mus musculus disabled homolog 1 (Drosophila) (Dab1), transcript variant 1, mRNA [NM_010014]
NM_009133	Mus musculus stathmin-like 3 (Stmn3), mRNA [NM_009133]
NM_009646	Mus musculus autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy) (Aire), mRNA [NM_009646]
NM_010014	Mus musculus disabled homolog 1 (Drosophila) (Dab1), transcript variant 1, mRNA [NM_010014]
NM_024440	Mus musculus Der1-like domain family, member 3 (Der13), mRNA [NM_024440]
NM_027366	Mus musculus lymphocyte antigen 6 complex, locus G6E (Ly6g6e), mRNA [NM_027366]
NM_011443	Mus musculus SRY-box containing gene 2 (Sox2), mRNA [NM_011443]
NM_175342	Mus musculus RIKEN cDNA C330003B14 gene (C330003B14Rik), mRNA [NM_175342]
AK028078	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:1700026H02 product:hypothetical AMP-dependent synthetase and ligase containing protein, full insert sequence [AK028078]
NM_009556	Mus musculus zinc finger protein 42 (Zfp42), mRNA [NM_009556]
XM_356184	PREDICTED: Mus musculus RIKEN cDNA 1110001D15 gene (1110001D15Rik), mRNA [XM_356184]
NM_011776	Mus musculus zona pellucida glycoprotein 3 (Zp3), mRNA [NM_011776]
NM_144518	Mus musculus RIKEN cDNA 2900011O08 gene (2900011O08Rik), mRNA [NM_144518]
NM_026480	Mus musculus RIKEN cDNA 2410146L05 gene (2410146L05Rik), mRNA [NM_026480]
NM_144518	Mus musculus RIKEN cDNA 2900011O08 gene (2900011O08Rik), mRNA [NM_144518]
NM_019743	Mus musculus RING1 and YY1 binding protein (Rybp), mRNA [NM_019743]
NM_017461	Mus musculus septin 1 (Sept1), mRNA [NM_017461]
NM_172670	Mus musculus glycosyltransferase-like 1B (Gylt1b), mRNA [NM_172670]
NM_010262	Mus musculus gastrulation brain homeobox 2 (Gbx2), mRNA [NM_010262]
NM_009696	Mus musculus apolipoprotein E (ApoE), mRNA [NM_009696]
NM_008963	Mus musculus prostaglandin D2 synthase (brain) (Ptgds), mRNA [NM_008963]
AK011413	Mus musculus 10 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2610016E04 product:similar to MAJOR URINARY PROTEINS 11 AND 8 (MUP11 AND MUP8) (FRAGMENT) [Mus musculus], full insert sequence. [AK011413]
NM_030676	Mus musculus nuclear receptor subfamily 5, group A, member 2 (Nr5a2), mRNA [NM_030676]
NM_010168	Mus musculus coagulation factor II (F2), mRNA [NM_010168]
NM_013873	Mus musculus sulfotransferase family 4A, member 1 (Sult4a1), mRNA [NM_013873]

NM_023508	Mus musculus phosducin-like 2 (Pdcl2), mRNA [NM_023508]
AK006101	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:1700019A02 product:hypothetical Glutamic acid-rich region containing protein, full insert sequence. [AK006101]
NM_022887	Mus musculus tuberous sclerosis 1 (Tsc1), mRNA [NM_022887]
NM_016688	Mus musculus programmed cell death protein 7 (Pdcd7), mRNA [NM_016688]
NM_010758	Mus musculus myelin-associated glycoprotein (Mag), mRNA [NM_010758]
NM_008564	Mus musculus minichromosome maintenance deficient 2 mitotin (<i>S. cerevisiae</i>) (Mcm2), mRNA [NM_008564]
NM_008199	Mus musculus histocompatibility 2, blastocyst (H2-BI), mRNA [NM_008199]
NM_178367	Mus musculus DEAH (Asp-Glu-Ala-His) box polypeptide 33 (Dhx33), mRNA [NM_178367]
NM_008452	Mus musculus Kruppel-like factor 2 (lung) (Klf2), mRNA [NM_008452]
NM_009235	Mus musculus SRY-box containing gene 15 (Sox15), mRNA [NM_009235]
NM_010094	Mus musculus left right determination factor 1 (Lefty1), mRNA [NM_010094]
NM_007919	Mus musculus elastase 2A (Ela2a), mRNA [NM_007919]
NM_029339	Mus musculus coiled-coil domain containing 101 (Ccdc101), mRNA [NM_029339]
NM_025503	Mus musculus RIKEN cDNA 1700029P11 gene (1700029P11Rik), mRNA [NM_025503]
NM_007741	Mus musculus procollagen, type IX, alpha 2 (Col9a2), mRNA [NM_007741]
NM_013584	Mus musculus leukemia inhibitory factor receptor (Lifr), mRNA [NM_013584]
NM_019448	Mus musculus DNA (cytosine-5-)-methyltransferase 3-like (Dnmt3l), mRNA [NM_019448]
NM_013584	Mus musculus leukemia inhibitory factor receptor (Lifr), mRNA [NM_013584]
NM_016810	Mus musculus golgi SNAP receptor complex member 1 (Gosr1), mRNA [NM_016810]
NM_029360	Mus musculus transmembrane 4 superfamily member 5 (Tm4sf5), mRNA [NM_029360]
NM_025781	Mus musculus transmembrane protein 170 (Tmem170), mRNA [NM_025781]
NM_008199	Mus musculus histocompatibility 2, blastocyst (H2-BI), mRNA [NM_008199]
XM_130488	PREDICTED: Mus musculus RIKEN cDNA A530057A03 gene (A530057A03Rik), mRNA [XM_130488]
NM_022887	Mus musculus tuberous sclerosis 1 (Tsc1), mRNA [NM_022887]
NM_008199	Mus musculus histocompatibility 2, blastocyst (H2-BI), mRNA [NM_008199]
NM_016810	Mus musculus golgi SNAP receptor complex member 1 (Gosr1), mRNA [NM_016810]
NM_013584	Mus musculus leukemia inhibitory factor receptor (Lifr), mRNA [NM_013584]
NM_173383	Mus musculus dead end homolog 1 (zebrafish) (Dnd1), mRNA [NM_173383]
NM_025995	Mus musculus F-box protein 5 (Fbxo5), mRNA [NM_025995]
NM_027622	Mus musculus RIKEN cDNA 4921530G04 gene (4921530G04Rik), mRNA [NM_027622]
NM_178367	Mus musculus DEAH (Asp-Glu-Ala-His) box polypeptide 33 (Dhx33), mRNA [NM_178367]
AK016694	Mus musculus adult male testis cDNA, RIKEN full-length enriched library, clone:4933406J07 product:hypothetical protein, full insert sequence. [AK016694]
NM_020572	Mus musculus aurora kinase C (Aurkc), mRNA [NM_020572]
NM_026115	Mus musculus histone aminotransferase 1 (Hat1), mRNA [NM_026115]
NM_133686	Mus musculus quinolinate phosphoribosyltransferase (Qprt), mRNA [NM_133686]
NM_009989	Mus musculus cytochrome c, testis (Cycct), mRNA [NM_009989]
NM_022887	Mus musculus tuberous sclerosis 1 (Tsc1), mRNA [NM_022887]

NM_001005223	Mus musculus zinc finger, HIT type 3 (Znhit3), mRNA [NM_001005223]
NM_001002894	Mus musculus NLR family, pyrin domain containing 14 (Nlrp14), mRNA [NM_001002894]
NM_011060	Mus musculus peptidyl arginine deiminase, type III (Padi3), mRNA [NM_011060]
NM_028937	Mus musculus spermatogenesis and oogenesis specific basic helix-loop-helix 2 (Sohlh2), mRNA [NM_028937]
NM_007493	Mus musculus asialoglycoprotein receptor 2 (Asgr2), mRNA [NM_007493]
NM_173756	Mus musculus RIKEN cDNA 5830457H20 gene (5830457H20Rik), mRNA [NM_173756]
NM_172558	Mus musculus gem (nuclear organelle) associated protein 5 (Gemin5), mRNA [NM_172558]
NM_183142	Mus musculus asparagine-linked glycosylation 11 homolog (yeast, alpha-1,2-mannosyltransferase) (Alg11), mRNA [NM_183142]
NM_013584	Mus musculus leukemia inhibitory factor receptor (Lifr), mRNA [NM_013584]
AK014173	Mus musculus 13 days embryo head cDNA, RIKEN full-length enriched library, clone:3110043L15 product:unclassifiable, full insert sequence. [AK014173]
NM_009482	Mus musculus undifferentiated embryonic cell transcription factor 1 (Utf1), mRNA [NM_009482]
NM_133204	Mus musculus zinc finger protein 371 (Zfp371), mRNA [NM_133204]
NM_009852	Mus musculus CD6 antigen (Cd6), transcript variant 2, mRNA [NM_009852]
NM_010758	Mus musculus myelin-associated glycoprotein (Mag), mRNA [NM_010758]
NM_008452	Mus musculus Kruppel-like factor 2 (lung) (Klf2), mRNA [NM_008452]
NM_020572	Mus musculus aurora kinase C (Aurkc), mRNA [NM_020572]
NM_008988	Mus musculus putative neuronal cell adhesion molecule (Punc), mRNA [NM_008988]
NM_023587	Mus musculus protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b (Ptplb), mRNA [NM_023587]
NM_010637	Mus musculus Kruppel-like factor 4 (gut) (Klf4), mRNA [NM_010637]
NM_019981	Mus musculus testis expressed gene 101 (Tex101), mRNA [NM_019981]
NM_009337	Mus musculus T-cell lymphoma breakpoint 1 (Tcl1), mRNA [NM_009337]
NM_007872	Mus musculus DNA methyltransferase 3A (Dnmt3a), transcript variant 1, mRNA [NM_007872]
NM_145993	Mus musculus l(3)mbt-like 2 (Drosophila) (L3mbtl2), mRNA [NM_145993]
NM_018776	Mus musculus cytokine receptor-like factor 3 (Crlf3), mRNA [NM_018776]
NM_177700	Mus musculus cDNA sequence BC060631 (BC060631), mRNA [NM_177700]
NM_007872	Mus musculus DNA methyltransferase 3A (Dnmt3a), transcript variant 1, mRNA [NM_007872]
NM_175138	Mus musculus dynein, axonemal, intermediate chain 1 (Dnaic1), mRNA [NM_175138]
NM_177700	Mus musculus cDNA sequence BC060631 (BC060631), mRNA [NM_177700]
NM_018776	Mus musculus cytokine receptor-like factor 3 (Crlf3), mRNA [NM_018776]
NM_145993	Mus musculus l(3)mbt-like 2 (Drosophila) (L3mbtl2), mRNA [NM_145993]