

Supplementary Table 4: mRNA targets of the top 9 pathological miRNAs

miRNA	Databases	Targets
mmu-let-7i-5p	miRDB	0610030E20Rik, 1600012H06Rik, 1700017B05Rik, 1700052N19Rik, 2310022A10Rik, 2410004P03Rik, 2410012M07Rik, 4930500A05Rik, 4931428F04Rik, 5031439G07Rik, 9930012K11Rik, Aak1, Abcb9, Abcc10, Abcc5, Acer2, Acer3, Acot11, Acvr1c, Acvr1d, Adamts12, Adamts15, Adamts8, Adhfe1, Adipor2, <b>Adrb2</b> , Adrb3, <b>Ahctf1</b> , Akap6, Alg11, Alkbh4, Alox8, Alpk3, Als2, Amer3, Ammecnrl1, Ankrd11, Ankrd49, Ap1s1, Apbb3, Apc2, Appbp2, Arhgap28, Arhgdia, Arhgef15, Arid3a, Arid3b, Arid3c, Arl4d, Arl5a, Armc2, Arpp19, Atp2b2, AW549877, B3galt1, B3galt3, B3gnt1, B3gnt7, <b>Bach1</b> , BC052040, Begain, Bend4, Best2, Birc1c6, Btbd9, Bzwl1, Bzwl2, Cadm2, Cadm3, Caln1, Calm2, Casp3, Cbfa2t3, Cbx2, <b>Cbx5</b> , Ccd1c00, Cdc8b9, Cdc8d, <b>Ccnj</b> , Ccnv, Ccr11, Ccr7, Cdl164, Cdl2001, Cdc3a, Ccacam14, Cccr6, Cep110, <b>Cep120</b> , Cep135, Cerncam, Cers3, Cflar, Cgnl1, Chd4, Chrd, Clasp2, Cldn12, Clp1, Clpb, Cln3, Cnnm4, Coil, Coil4a1, Coil24a1, Coil3a1, Coil5a2, Cp4a, Cp6b1, Cpm, Crk, Crtam, Cry2, Cts8, Cyth3, D63004512Rik, D830031N03Rik, Dagla, Dbnnd2, Dcaf15, Dclre1c, Ddl2, Ddn, Ddx19a, Ddx19b, Ddx26b, Dennd6a, Diap2, Dlgap4, Dll3, Dmd, Dna2, Dnajad2, Dnajc1, Dpf2, Dusp1, Dusp22, E2f2, E2f5, E2f6, Eaf1, Edem3, Edn1, <b>Eea1</b> , Eef2k, Efh2d, <b>Eif4g2</b> , Elovf4, Elovf4, Eme1, Enhnd2, Erc6, Ergic1, Ergic2, Espl1, Esr2, Etnk1, Fam104a, Fam108c, Fam115a, Fam118a, Fam174a, Fam184b, Fam214b, Fam83g, Fasl, Faxe, Fbxl12, Fbxl14, Fbxo32, Fgdl6, Fgfh3, <b>Fgf4</b> , Fign, Fignl2, <b>Fndc3a</b> , Fnfp1, Foxp2, Fras1, Frmd4b, Fzd3, G6pc2, Gab2, Galtnt1, Gas7, Gatm, Gbp6, Gbp7, Gcni4, Gdf6, <b>Gga3</b> , Gipc1, Glrx, Gm12569, Gm15776, Gm5595, Gm5820, Gnas, Gng5, Gng31, <b>Gnptab</b> , Golga4, Golt1b, Gpatc3, Gpr156, Greb11, Grid2p, Grpel2, Gxylt1, H6pd, Hand1, Hdbgf, Hdlbp, Hectd2, Hic1, Hic2, <b>Hif1an</b> , Hjp1, Hpk1, Hlf, Hmgai-rs1, Hmga2, Hook1, Htr4, Ifnar1, Ifnlr1, Igdc3, Igddc4, <b>Igf1r</b> , Igf2bp2, Igf2bp3, Igf2r, <b>Ikbbp</b> , Ikke, Il13, Impg2, Insr, Ints2, Iqcb1, Katnbl1, Kctd17, Kctd21, Kif21b, Kif2b, Kihl13, Kihl23, Kihl31, Kihl6, Kik10, Kikb1, Kmt2d, Lbr, Lcor, Lgr4, Limg2, Limk2, Lin28a, Lin28b, Lins, Lipt2, Lmx1a, LOC102637572, LOC102641276, LOC102643240, Lor, Lrig2, Lrig3, Lrp8, Mab213, Magt1, <b>Map3k1</b> , Map3k9, <b>Mapk6</b> , Mapk8, Masp1, Mbtps2, Mdf1, Mdm4, Meis2, Mgat4a, Midl101, Miel1, Mier1, Mmp1a, Mrohb, Msi2, Mtf2, Mup11, Mup17, Mxd1, Mycbp, Myo1f, Naa30, Nap111, Nceh1, Ncoa3, Nds12, Nek3, Nf2, Nfg, Nkd1, Nlk, Nme4, Nme6, Nol4l, Nphp3, Nr6a1, Nrarp, <b>Nras</b> , Nsmc2e, Nup214, Nup98, Oas2, Orl1, Osbp13, Osmr, P2rx1, Pacs2, Pag1, Pald1, Pappa, Pardb6, Parp16, Pars2, Pbx1, Pbx2, <b>Pcgf3</b> , Pcx, Pde7a, Pdp2, Pfp1, <b>Piga</b> , Pik3ip1, Pitpmn3, Pla2g3, Plag12, Pld3, Plekha8, Plekhg6, Plekho1, <b>Plxnc1</b> , Plxnd1, Pnkd, Pppad2c, Ppp1r15b, Ppp2r2a, Ppp3r1, Prdm1, Prpf38b, Prrx1, Prtg, Psd3, Psors1c2, Ptpqr, Qars, Rab11fp4, Rab6b, Rab8b, Rabl, Rasgrp1, Rdh10, <b>Rdx</b> , Rffl, Rfx6, Rgs16, Rictor, Rloa3, Rnase10, Rnf139, Rnf20, Rnf38, Rnf44, Rnf5, Rpl4, Rpusd3, Rragd, Rrm2, Rrp1b, Rspo2, Ruffy3, Sall4, Samm1, Scd2, Scn4b, Scn8a, Sec141, Sec16b, Sema3f, Sema4c, Sema4f, Sept12, Serf2, Serinc5, Sh2d3, Sh2b3, Sigmar1, <b>Skil</b> , Slamf6, Slc10a7, Slc12a9, Slc12a9, Slc16a14, Slc17a9, Slc20a1, Slc22a23, Slc25a18, Slc25a24, Slc25a27, Slc25a4, Slc2a12, Slc35d2, Slc45a4, Slc5a9, Slc6a1, Slc9a6, Smap2, Smarcad1, Smc8r, Smim3, Smug1, Sna13, Snn, Snn16, Snn30, Snn5, Ssoat2, <b>Socs1</b> , Socs7, Sowaha, Sox13, Spata2, Sppl2b, Srebf2, Srek1, Stat2, Stat3, <b>Stk40</b> , Stx17, Stx3, Styk1, Swil, Swt1, Syncrin, Tab2, Taf9b, Taok1, Tarbp2, Tbc1d13, Tbbkbp1, Tcf7l1, Tet2, Tc3, Tgds, <b>Tgfb1r1</b> , <b>Tgfb1r3</b> , <b>Tgs1</b> , Thbs1, Thoc1, Thrsp, Timm17b, <b>Tmed5</b> , Tmem110, Tmem164, Tmem167, Tmem198b, <b>Tmem2</b> , Tmem38b, Tmem41a, Tmod2, Tmprs11f, Tmprs22, Tnfrsf26, Tor1aip2, Trib1, Trib2, Trim41, Trim6, Trim67, Trim71, Trip13, Tspan18, Ttc14, Ttl4, Ttyh3, Tyk2, Ubpap2, Ube2g2, Ugcg, Uhrf2, Ulk2, Usp12, Usp24, Usp32, Usp38, Usp47, <b>Utrn</b> , Vav3, Vstm5, Wasl, Wdr37, Wiz, Wnt9a, <b>Xkr8</b> , <b>Yeats4</b> , Yod1, Ywhag, Zbtb39, Zbtb5, Zcchc3, Zdhhc21, Zfp275, Zfp280b, Zfp282, Zfp318, Zfp322a, Zfp324, Zfp362, Zfp385c, Zfp444, Zfp516, Zfp583, Zfp617, Zfp644, Zfp710, Zfp719, <b>Zfyv26</b> , Zmat4, Znfx12b, Zswim5
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