Table S3. **Functional annotation of the upregulated, differentially expressed genes of Rasless MEFs.**

The GeneCodis (Gene Annotation Co-occurrence Discovery) functional annotation tool (http://genecodis.dacya.ucm.es) was used to identify statistically significant functional associations linking particular gene subsets contained within the list of induced loci occurring in Rasless MEFs (Table S1, Additional file 1, FDR=0.01) to specific cellular functionalities, including particular Biological Processes (section S3-BP), Signalling Pathways (Section S3-KEGG), Transcriptional Factors (section S3-TF) or miRNAs (section S3-miRNA).

The column labelled "*Functional Category*" identifies the specific functional GO terms recognized in each case for the corresponding groups of loci listed under the column labelled "*Genes*". The column labelled "*Number of Genes*" indicates the specific number of genes linked to the indicated functionality, out of the total number (in parenthesis) of genes recognized by GeneCodis in the list of induced genes of Rasless cells. The column labeled "*Corrected p-value*" refers to the statistical significance of the functional associations identified, and contains p-values calculated cases using the Hypergeometric Distribution and subsequently corrected by implementing the False Discovery Rate method of Benjamini and Hochberg [113].

In section S3-BP (pages 2-6), the column "*Functional category*" assigns common colors to groups of related GO numbers and descriptions falling under the same, high level, general functional categories (Metabolite processing, Signaling, Cell death, Transport, etc). In section S3-KEGG (pages 7-8), the column "*KEGG Pathway*" identifies KEGG number and denomination of signalling pathways potentially affected by the corresponding group of induced loci listed in each case. In section S3-TF (pages 9-15), the "*Transcription Factors*" column identifies specific transcription factors that may account for induction of the corresponding groups of loci listed in each chase. Finally, in section S3-miRNA (pages 16-40), the *"miRNA name*" column identifies specific mouse miRNAs that, according to current literature and databases, may contribute to the patterns of mRNA overexpression described for Rasless cells in Table S1.

Table S3-BP. Functional annotation to GO BIOLOGICAL PROCESSES of the induced, overexpressed genes of Rasless MEFs.

Functional category	*Number of genes*	*Corrected p-value*	*Genes induced in Rasless cells (from Table S1)*
TRANSPORT (METABOLITES, IONS AND VESICLES)			
GO:0006810: transport	119(776)	2,42E-29	Eif5a2,Crat,Ap3s1,Copg,Slc2a13,Slc6a7,Snx18,Ubl4,Crot,Trpc7,Slc39a3,Slc22a18, Rab3d,Gabarapl2,Kcnc2,Rab38,Glrb,Rab11fip5,Atp6v0e,Slc16a9,Napb,Kcnn1,Abcb6,Slc6a6,Stam2,Hdlbp,Trpv4,Ndufb2,Atp6v1e1,Vps39,Trappc6a,Dynlrb1,Slc35a2,F630110N24Rik,Copz2,Slc7a7,Abcd1,Tmco3,Qk,Slc31a2,Slc44a1,Stx8,Al317395,Ap3m2,Ero1l,Cacna1g,Myo6,Txnrd3,Atp2a3,Tpcn1,Ccdc64,Trappc2l,Ndel1,Nipa1,Tcn2,Ndufa10,Kpna1,Stard6,Slc38a7,Slc9a6,Slc35b1,Slc22a23,Grik2,Ergic3,Sec22c,Fabp3,Slc6a8,Slc35c2,Exoc3,Atg4a,2310046K01Rik,Vdac1,Slc22a4,S100a13,Snx10,Itpr2,Vps25,Dynlt3,Atg7,Rab2b,Dopey2,Pltp,Necap2,Slc26a11,Atp6v0b,Dirc2,Gabarap,Slc39a14,Tmed8,Slco3a1,Cyb5,Rab7l1,Slc1a4,Atp5s,Uqcrq,Slc25a39,Slc2a6,Vamp3,Snx32,Vps24,Chmp4c,Cog6,Clcn7,Cbara1,Tom1l2,Slc25a35,Slc41a2,Atp5e,Scn1b,Atp6v0a1,Tmem38a,Stxbp1,Lrsam1,Slc2a8,Yif1a,Vps29,Cacna1b,Fads3,Rab22a
GO:0015031: protein transport	41(776)	6,79E-11	Eif5a2, Ap3s1, Copg, Rab43, Snx18, Rab3d, Gabarapl2, Rab38, Rab11fip5, Rab40b, Napb, Stam2, Vps39, Copz2, Ap3m2, Myo6, Kpna1, Sec22c, Psen2, Exoc3, Atg4a, S100a13, Snx10, Vps25, Atg7, Rab2b, Dopey2, Necap2, Gabarap, Rab7l1, Vamp3, Snx32, Vps24, Chmp4c, Cog6, Tom1l2, Stxbp1, Lrsam1, Yif1a, Vps29, Rab22a

Functional category	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
GO:0006811: ion transport	39(776)	2,64E-08	Trpc7, Slc39a3, Slc22a18, Kcnc2, Glrb, Atp6v0e, Kcnn1, Trpv4, Atp6v1e1, Tmco3, Slc31a2, AI317395, Cacna1g, Atp2a3, Tpcn1, Nipa1, Tcn2, Slc38a7, Slc9a6, Slc22a23, Grik2, Slc6a8, Vdac1, Slc22a4, Itpr2, Wnk4, Slc26a11, Atp6v0b, Slc39a14, Slco3a1, Atp5s, Clcn7, Cbara1, Slc41a2, Atp5e, Scn1b, Atp6v0a1, Tmem38a, Cacna1b
GO:0055085: transmembrane transport	28(776)	4,62E-05	Eif5a2,Slc2a13,Trpc7,Slc39a3,Slc22a18,Kcnc2,Slc16a9,Slc6a6,Trpv4,F630110N24Rik,Slc7a7,Tmco3,Slc46a3,Slc44a1,AI317395,Tpcn1,Slc9a6,Slc35b1,Slc22a23,2310046K01Rik,Vdac1,Slc22a4,Itpr2,Slc26a11,Slc39a14,Clcn7,Slc2a8,Cacna1b
GO:0016192: vesicle-mediated transport	16(776)	0,000170089	Ap3s1,Copg,Napb,Trappc6a,Copz2,Stx8,Ap3m2,Trappc2l,Ergic3,Sec22c,Rab2b,Vamp3,Stx2,Stx7,Stxbp1,Yif1a
GO:0006886: intracellular protein transport	13(776)	0,00507565	Ap3s1,Copg,Ehd1,Napb,Stam2,Ap3m2,Kpna1,Grik2,Cdk5,Apba1,Stx2,Tom1l2,Stx7
GO:0008333: endosome to lysosome transport	5(776)	0,00696839	Stx8,Trak1,Mtm1,Vps24,Stx7
GO:0006897: endocytosis	10(776)	0,0146921	Mrc2,Snx18,Ehd1,Myo6,Ehd2,Necap2,Lrp4,App,Npc1,Rab22a
GO:0045047: protein targeting to ER	2(776)	0,0185842	Srp14,Srp54a
GO:0032456: endocytic recycling	3(776)	0,0190603	Ehd1,Ehd3,Ehd2
GO:0008643: carbohydrate transport	5(776)	0,0253772	Slc35a2,AI317395,Slc35b1,Slc2a6,Slc2a8
GO:0006816: calcium ion transport	9(776)	0,0303683	Trpc7,Trpv4,Cacna1g,Atp2a3,Tpcn1,Psen2,Itpr2,Cbara1,Cacna1b
GO:0042308: negative regulation of protein import into nucleus	2(776)	0,0323936	Pkia,Mdfic
GO:0007340: acrosome reaction	3(776)	0,0390576	Glrb,Trim36,Stx2
GO:0015991: ATP hydrolysis coupled proton transport	4(776)	0,0423888	Atp6v0e,Atp6v1e1,Atp6v0b,Atp6v0a1
GO:0006887: exocytosis	6(776)	0,0486208	Rab3d,Snapin,Scrn1,Cdk5,Exoc3,Stxbp1

METABOLITE PROCESSING (PROTEIN, CARBOHYDRATE AND LIPID PROCESSING)

Functional category	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
GO:0008152: metabolic process	55(776)	3,06E-08	Ugp2,Hadha,Fuca2,Crot,Dhrs3,Fahd2a,Papss2,Smpdl3a,Ctbs,Hexa,Aldh7a1,Adamts5,Prss36,Neu1,Atp9b,Nfs1,Acox1,Dusp3,Pld1,Trpt1,Lpcat2,Dhrs1,Camk1,Hexb,Ube2h,Atp2a3,Gstm2,Galns,Hsd3b3,Impdh1,Aldh6a1,Man2b1,Entpd5,Ppt2,Idua,Asah1,Aph1b,Rdh12,Naga,Atg7,Pde6d,Hgsnat,Srr,Adamts2,Ctsl,Galc,Glo1,Gstp1,Tyrp1,Acaa1a,Hadhb,Uchl1,Aph1a,Atp10d,Aldh3a2
GO:0055114: oxidation-reduction process	37(776)	5,75E-05	Sqrdl,Maob,Cat,Hadha,Dhrs3,Gpx4,Cyp27a1,Aldh7a1,Cyp4v3,Loxl1,Acox1,Maoa,Dhrs1,Alkbh6,Ero1l,Sepw1,Txnrd3,Suox,Gstk1,Hsd3b3,Impdh1,Aldh6a1,P4ha2,Rdh12,Srd5a3,Pdia5,Ypel5,Pcbd2,Cyb5,Bcmo1,Htatip2,Tyrp1,Cox6a2,Cyb5r3,Cox6b1,Fads3,Aldh3a2
GO:0006749: glutathione metabolic process	7(776)	0,000420833	Gpx4,Txnrd3,Gstm2,Gstk1,Glo1,Gstp1,Oplah
GO:0033540: fatty acid beta-oxidation using acyl-CoA oxidase	4(776)	0,000750702	Crat,Acox1,Abcd1,Acaa1a

Functional category	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
GO:0006629: lipid metabolic process	17(776)	0,000904153	Crat,Iah1,Plb1,Hadha,Samd8,Crot,Insig2,Hdlbp,Acox1,Asah1,Srd5a3,Plcb1,Abhd5,Acaa1a,Daglb,Hadhb,Fads3
GO:0008654: phospholipid biosynthetic process	8(776)	0,00106116	Pld1,Lpcat2,Hexb,Pcyt1a,Sh3glb1,Abhd5,Ptdss1,Chpt1
GO:0006184: GTP catabolic process	12(776)	0,00182145	Rras,Rhoq,Rragc,Rasl12,Arl2,Srp54a,Tuba8,Mras,Rhoj,Rit1,Tubb2a,Rab22a
GO:0007220: Notch receptor processing	3(776)	0,00693993	Psen2,Dner,Aph1a
GO:0042326: negative regulation of phosphorylation	5(776)	0,0103424	Bmp4,Pkia,Cdkn1a,Cdkn2b,1700021C14Rik
GO:0006654: phosphatidic acid biosynthetic process	3(776)	0,0106918	Pld1,Sh3glb1,Abhd5
GO:0044255: cellular lipid metabolic process	5(776)	0,0111373	Crat,Crot,Acox1,Abcd1,Acaa1a
GO:0006631: fatty acid metabolic process	8(776)	0,0194895	Crat,Hadha,Crot,Acox1,Abhd5,Cyb5,Acaa1a,Hadhb
GO:0031293: membrane protein intracellular domain proteolysis	3(776)	0,0323233	Aph1b,Psen2,Aph1a
GO:0006663: platelet activating factor biosynthetic process	2(776)	0,0323936	Lpcat2,Chpt1
GO:0009313: oligosaccharide catabolic process	2(776)	0,0323936	Ctbs,Hexb
GO:0006689: ganglioside catabolic process	2(776)	0,0323936	Hexa,Hexb
GO:0051084: 'de novo' posttranslational protein folding	2(776)	0,0323936	Entpd5,Sh3glb1
GO:0005975: carbohydrate metabolic process	11(776)	0,0324897	Fuca2,Ctbs,Hexa,Hexb,Man2b1,Idua,Naga,Galc,Glo1,Chid1,Chst12
GO:0010951: negative regulation of endopeptidase activity	7(776)	0,0328439	Serpinb6c,Renbp,Timp2,Serpinb9c,Serpinb9b,Serpinb1a,Reck
GO:0006508: proteolysis	19(776)	0,0343208	Prss29,Adamts5,Prss36,Scrn1,Bace1,Klk1b4,Ctso,Qpct,Nrip3,Htra3,Capn5,Atg4a,Ctsb,2010111I01Rik,Adamts2,Ctsl,Cpa6,Tpp1,Immp1l
GO:0016310: phosphorylation	27(776)	0,0350662	Pank2,Camk4,Papss2,Stk10,Stk39,Prkab2,Amhr2,Gsk3b,Ephb3,Mapk4,Guk1,Riok3,Cdk5,Ulk2,Akap4,Tollip,Grk4,Wnk4,Pkia,Ikbkg,Hck,Cdkn1a,Ckm,Cdkn2b,Camkk1,Dmpk,Nagk
GO:0043086: negative regulation of catalytic activity	7(776)	0,0354611	Anxa3,Timp2,Anxa1,Pde6d,Pkia,Cdkn1a,1700021C14Rik
GO:0042787: protein ubiquitination involved in ubiquitin-dependent protein catabolic process	5(776)	0,036621	Rnf144b,Lnx1,Wwp2,Hectd3,Os9
GO:0043085: positive regulation of catalytic activity	6(776)	0,0419269	Slc37a4,Adc,Timp2,Aph1b,Psen2,Aph1a
GO:0006656: phosphatidylcholine biosynthetic process	3(776)	0,0456366	Fabp3,Pcyt1a,Chpt1

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Functional category	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
GO:0006044: N-acetylglucosamine metabolic process	3(776)	0,0456366	Renbp,Hexb,Nagk
GO:0043433: negative regulation of sequence-specific DNA binding transcription factor activity	5(776)	0,0466305	Thra,Prnp,Wwp2,Hr,Fzd6
GO:0006657: CDP-choline pathway	2(776)	0,0476976	Pcyt1a,Chpt1
GO:0008612: peptidyl-lysine modification to hypusine	2(776)	0,0476976	Eif5a2,Dhps
GO:0071569: protein ufmylation	2(776)	0,0476976	Ufc1,Ufm1
GO:0019348: dolichol metabolic process	2(776)	0,0476976	Srd5a3,Dpm2
SIGNALING			
GO:0007264: small GTPase mediated signal transduction	19(776)	1,73E-05	Rab43,Rab3d,Rab38,Rras,Rhoq,Rab40b,Klk1b4,Rasl12,Arl2,Nkiras1,Nkiras2,Rab2b,Rasl10b,Rab7l1,Arhgap1,Mras,Rhoj,Rit1,Rab22a
GO:0043407: negative regulation of MAP kinase activity	5(776)	0,0111373	Dab2ip,Gsk3b,Bmp4,Gstp1,Uchl1
GO:0007219: Notch signaling pathway	6(776)	0,0371148	Dtx2,Aph1b,Psen2,Dner,App,Aph1a
GO:0007176: regulation of epidermal growth factor-activated receptor activity	2(776)	0,0476976	Psen2,App
CELL COMUNICATION			
GO:0007268: synaptic transmission	12(776)	0,000187957	Snap91,Glrb,Snapin,Clstn1,Cacna1g,Myo6,Npy6r,Dlg2,Rapsn,Grik2,Vdac1,Apba1
GO:0042552: myelination	5(776)	0,0206488	Pmp22,Mal,Hexa,Qk,Hexb
GO:0010807: regulation of synaptic vesicle priming	2(776)	0,0323936	Napb,Stxbp1
DEVELOPMENTAL PROCESS			
GO:0016322: neuron remodeling	4(776)	0,000750702	Farp2,Cspg4,Ntn4,App
GO:0031175: neuron projection development	8(776)	0,00738065	Lamb2,Ccdc64,Ndel1,L1cam,Cdk5,Atg7,App,Ptprm
GO:0016044: cellular membrane organization	9(776)	0,0114223	Copg,Sgca,Stam2,Sgcb,Lpcat2,Vps25,Atg7,Vps24,Chmp4c
GO:0007409: axonogenesis	8(776)	0,0178423	Snap91,Gsk3b,Cdk5,Ulk2,App,Fzd8,Fzd6,Uchl1
GO:0008360: regulation of cell shape	7(776)	0,018157	Rhoq,Fn1,Cdc42ep2,S100a13,Tbccd1,Rhoj,Shroom3
GO:0051124: synaptic growth at neuromuscular junction	2(776)	0,0185842	Lrp4,App

Functional category	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
GO:0043113: receptor clustering	4(776)	0,0192507	Dlg2,Grik2,Cdk5,Lrp4
GO:0032331: negative regulation of chondrocyte differentiation	3(776)	0,0323233	Wnt9a,Bmp4,Ltbp3
GO:0048642: negative regulation of skeletal muscle tissue development	2(776)	0,0323936	Usp2,Tsc22d3
GO:0001501: skeletal system development	7(776)	0,0366988	Acp2,Hexa,Tgfb2,Hexb,Bmp4,Chrd,Ltbp3
GO:0030198: extracellular matrix organization	7(776)	0,042568	Fbln5,Fn1,Tgfb2,Ccdc80,App,Adamtsl4,Reck
GO:0007412: axon target recognition	2(776)	0,0476976	Stxbp1,Uchl1
GO:0050873: brown fat cell differentiation	4(776)	0,0481316	Rarres2,Ero1l,Aldh6a1,Nudt7

CELL DEATH

Functional category	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
GO:0006916: anti-apoptosis	13(776)	0,00131366	Birc7,Fn1,Gsk3b,Prnp,Psen2,Hbxip,Vnn1,Triap1,Sh3glb1,Cryab,Tsc22d3,Glo1,Mcl1
GO:0043066: negative regulation of apoptotic process	17(776)	0,00719886	Cat,Smad6,Tgfb2,Gsk3b,Prnp,Bmp4,Nme2,Anxa1,Adar,Psen2,Atg7,Cryab,Gstp1,Cdkn1a,Gas6,Igbp1,Mcl1
GO:0043154: negative regulation of cysteine-type endopeptidase activity involved in apoptotic process	6(776)	0,020777	Wnt9a,Smad6,Hbxip,Triap1,Cryab,Igbp1

CYTOSKELETON-REGULATED PROCESSES

Functional category	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
GO:0007018: microtubule-based movement	7(776)	0,0210754	Kif27,Kif3b,Dynlrb1,Kif1c,Tuba8,Kif3a,Tubb2a

CELL CYCLE (MITOTIC AND MEIOTIC DIVISION)

Functional category	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
GO:0000086: G2/M transition of mitotic cell cycle	4(776)	0,021455	Ccny,Plcb1,Cdkn1a,Cdkn2b
GO:0016049: cell growth	5(776)	0,0226594	Adra1b,Atp6v0e,Tgfb2,Entpd5,Nupr1

OTHERS

Functional category	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
GO:0071363: cellular response to growth factor stimulus	4(776)	0,032519	Ppp2r5b,Bmp4,Sparc,Gas6

Table S3-KEGG. Functional annotation to KEGG PATHWAYS of the induced, overexpressed genes of Rasless MEFs.

KEGG Pathway	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
(KEGG) 04142 :Lysosome	24(776)	1,74E-14	Hexa, Man2b1, Idua, Naga, Asah1, Npc1, Ctsl, Npc2, Acp2, Neu1, Hexb, Ppt2, Atp6v0b, Galc, Hgsnat, Scarb2, Ap3s1, Ap3m2, Atp6v0a1, Ctsb, Tpp1, Galns, Gnptg, Ctso
(KEGG) 05010 :Alzheimer's disease	17(776)	9,05E-06	Atp5e, Uqcrq, Cox6b1, Ndufb2, Aph1a, Gsk3b, Atp2a3, Cdk5, Psen2, Aph1b, Ndufb4, App, Bace1, Ndufa10, Itpr2, Plcb1, Cox6a2
(KEGG) 04140 :Regulation of autophagy	7(776)	0,000311192	Ulk2, Gabarapl2, Gabarap, Atg7, Atg12, Atg4a, Gabarapl1
(KEGG) 04146 :Peroxisome	10(776)	0,00036405	Acaa1a, Acox1, Gstk1, Cat, Crot, Pxmp4, Crat, Mpv17, Mlycd, Abcd1
(KEGG) 00511 :Other glycan degradation	5(776)	0,000708504	Hexa, Man2b1, Neu1, Hexb, Fuca2
(KEGG) 00640 :Propanoate metabolism	6(776)	0,00115798	Aldh6a1, Hadha, Mcee, Aldh3a2, Aldh7a1, Mlycd
(KEGG) 00531 :Glycosaminoglycan degradation	5(776)	0,00135779	Hexa, Idua, Hexb, Hgsnat, Galns
(KEGG) 00280 :Valine, leucine and isoleucine degradation	7(776)	0,00136813	Acaa1a, Aldh6a1, Hadhb, Hadha, Mcee, Aldh3a2, Aldh7a1
(KEGG) 04144 :Endocytosis	15(776)	0,00142523	Ehd1, Iqsec2, Ehd3, Rab11fip5, Tgfb2, Smad6, Stam2, Rab22a, Grk4, Vps25, Vps24, Pld1, Ehd2, Sh3glb1, Chmp4c
(KEGG) 00190 :Oxidative phosphorylation	11(776)	0,00187941	Atp5e, Uqcrq, Cox6b1, Ndufb2, Atp6v1e1, Atp6v0b, Ndufb4, Atp6v0a1, Ndufa10, Atp6v0e, Cox6a2
(KEGG) 00380 :Tryptophan metabolism	6(776)	0,0047997	Hadha, Maoa, Aldh3a2, Cat, Aldh7a1, Maob
(KEGG) 00071 :Fatty acid metabolism	6(776)	0,00634405	Acaa1a, Acox1, Hadhb, Hadha, Aldh3a2, Aldh7a1
(KEGG) 00062 :Fatty acid elongation in mitochondria	3(776)	0,00638668	Hadhb, Hadha, Ppt2
(KEGG) 00520 :Amino sugar and nucleotide sugar metabolism	6(776)	0,00683403	Hexa, Nagk, Cyb5r3, Renbp, Hexb, Ugp2
(KEGG) 04145 :Phagosome	11(776)	0,00767324	Stx7, Ctsl, Tuba8, Vamp3, Atp6v1e1, Atp6v0b, Atp6v0a1, Mrc2, Atp6v0e, Tubb2a, Tlr6
(KEGG) 00260 :Glycine, serine and threonine metabolism	5(776)	0,00789637	Srr, Maoa, Alas1, Aldh7a1, Maob
(KEGG) 05146 :Amoebiasis	9(776)	0,00813759	Serpinb1a, Tgfb2, Lama2, Serpinb6c, Serpinb9c, Serpinb9b, Lamb2, Plcb1, Fn1
(KEGG) 04916 :Melanogenesis	8(776)	0,0085614	Fzd8, Tyrp1, Creb3, Gsk3b, Adcy9, Wnt9a, Plcb1, Fzd6
(KEGG) 05217 :Basal cell carcinoma	6(776)	0,00891424	Fzd8, Bmp4, Gsk3b, Wnt9a, Hhip, Fzd6
(KEGG) 00330 :Arginine and proline metabolism	6(776)	0,00898224	Maoa, Aldh3a2, Adc, Aldh7a1, Maob, Ckm
(KEGG) 00920 :Sulfur metabolism	3(776)	0,00907299	Suox, Papss2, Chst12
(KEGG) 00564 :Glycerophospholipid metabolism	7(776)	0,0112858	Lpcat2, Plb1, Chpt1, Pld1, Ptdss1, Pcyt1a, Dgkg

KEGG Pathway	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
(KEGG) 05016 :Huntington's disease	11(776)	0,0115358	Atp5e, Uqcrq, Cox6b1, Ndufb2, Creb3, Vdac1, Ndufb4, Dnalc1, Ndufa10, Plcb1, Cox6a2
(KEGG) 00620 :Pyruvate metabolism	5(776)	0,0117742	Glo1, Acyp2, Acyp1, Aldh3a2, Aldh7a1
(KEGG) 04360 :Axon guidance	9(776)	0,0118808	L1cam, Arhgef12, Sema3f, Ephb3, Sema3c, Gsk3b, Cdk5, Sema3b, Ntn4
(KEGG) 05012 :Parkinson's disease	9(776)	0,0118808	Atp5e, Uqcrq, Cox6b1, Uchl1, Ndufb2, Vdac1, Ndufb4, Ndufa10, Cox6a2
(KEGG) 05410 :Hypertrophic cardiomyopathy (HCM)	7(776)	0,0119038	Itga9, Tgfb2, Lmna, Lama2, Sgcb, Sgca, Prkab2
(KEGG) 00410 :beta-Alanine metabolism	4(776)	0,0159053	Hadha, Aldh3a2, Aldh7a1, Mlycd
(KEGG) 00340 :Histidine metabolism	4(776)	0,0159053	Maoa, Aldh3a2, Aldh7a1, Maob
(KEGG) 05414 :Dilated cardiomyopathy	7(776)	0,0159599	Itga9, Tgfb2, Lmna, Adcy9, Lama2, Sgcb, Sgca
(KEGG) 00604 :Glycosphingolipid biosynthesis - ganglio series	3(776)	0,0188818	Hexa, St3gal5, Hexb
(KEGG) 00603 :Glycosphingolipid biosynthesis - globo series	3(776)	0,0188818	Hexa, Naga, Hexb
(KEGG) 00565 :Ether lipid metabolism	4(776)	0,0286588	Lpcat2, Plb1, Chpt1, Pld1
(KEGG) 04130 :SNARE interactions in vesicular transport	4(776)	0,0308896	Stx7, Vamp3, Stx2, Stx8
(KEGG) 05323 :Rheumatoid arthritis	6(776)	0,0360445	Ctsl, Tgfb2, Atp6v1e1, Atp6v0b, Atp6v0a1, Atp6v0e
(KEGG) 00860 :Porphyrin and chlorophyll metabolism	4(776)	0,0406406	Mmab, Alas1, Ugt2b36, Fech
(KEGG) 05200 :Pathways in cancer	14(776)	0,0407771	Fzd8, Bmp4, Cdkn1a, Tgfb2, Arnt, Gsk3b, Lama2, Wnt9a, Ikbkg, Hhip, Lamb2, Cdkn2b, Fzd6, Fn1
(KEGG) 04350 :TGF-beta signaling pathway	6(776)	0,0416433	Chrd, Bmp4, Tgfb2, Smad6, Amhr2, Cdkn2b
(KEGG) 04540 :Gap junction	6(776)	0,042932	Pdgfc, Tuba8, Adcy9, Itpr2, Plcb1, Tubb2a
(KEGG) 00982 :Drug metabolism - cytochrome P450	6(776)	0,0441799	Gstp1, Gstk1, Maoa, Gstm2, Ugt2b36, Maob
(KEGG) 04010 :MAPK signaling pathway	12(776)	0,0453099	Dusp8, Dusp22, Cacna1b, Tgfb2, Mras, Gadd45b, Ikbkg, Cacna1g, Jund, Rras, Map3k8, Dusp3
(KEGG) 05215 :Prostate cancer	6(776)	0,0467559	Pdgfc, Gstp1, Cdkn1a, Creb3, Gsk3b, Ikbkg
(KEGG) 04020 :Calcium signaling pathway	9(776)	0,0480743	Adra1b, Cacna1b, Atp2a3, Adcy9, Camk4, Cacna1g, Vdac1, Itpr2, Plcb1
(KEGG) 03060 :Protein export	3(776)	0,048273	Immp1l, Srp14, Srp54a

Table S3-TF. Functional annotation to "TRANSCRIPTION FACTORS" of the induced, overexpressed genes of Rasless MEFs.

Transcription Factor	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
V$SP1_Q6	109(776)	2,36E-16	Glo1, Hr, Cspg4, Npdc1, Zbtb4, Fzd8, Tbcd, Gstp1, Rab4b, Kcnn1, Srr, Klf2, Man2b1, Vps39, Gabarapl2, Bmp4, Hdlbp, Ttc15, Tom1, Hoxa1, Gabarap, Sirt2, Arhgap1, Cryab, Cdkn1a, Cacna1b, Habp4, Adamts2, Mtmr3, Samd8, Npc2, Smad6, Ephb3, Creb3, Apoa1bp, Ugp2, Camkk1, Gsk3b, Dnajc4, Gpx4, Tcta, Kif27, Atp6v0b, Sqrdl, Fbn2, Reck, Rragc, Rab22a, Maoa, Vps29, Slc39a3, Dbp, Nkiras2, Capn5, Impdh1, Nfe2l1, Mocs2, Ndel1, Lrsam1, Myadm, Srp14, Kif1c, Elmo2, Klf15, Ensa, Rab2b, Ing4, Cacna1g, Vps24, Dleu2, Stxbp1, Ap3s1, Mrps14, Sema3b, Amhr2, Crot, Mtss1, Arvcf, Stmn3, Jund, Aldh7a1, Slc2a6, Rras, Maob, Gpc4, Adamts5, Itpr2, Kif3a, Rab3d, Plcb1, Fbxl2, Pltp, Galns, Thra, Dusp3, Slc9a6, Gabarapl1, Tpcn1, Lrpap1, Abcd1, Clstn1, Abcb6, Cry2, Rab40b, Prkab2, Slco3a1, Pde6d, Cdc42ep2, Mrgprf
V$PAX4_03	60(776)	5,89E-11	Qpct, Stk10, Kremen1, Hr, Arhgef12, Dusp8, Pmp22, Trpc7, Ppp2r5b, Ank2, Man2b1, Chrd, Bmp4, S100a16, Rarres2, Apba1, Gabarap, Nrip3, Cdkn1a, Slc39a14, Smad6, Rbms2, Kctd9, Creb3, Rora, Add3, Dlg2, S100a1, Tcta, Pkia, Dab2ip, Mtus1, Nkiras2, Capn5, Slc37a4, Nfe2l1, Wnt9a, Gadd45b, Kif1c, Cacna1g, Ap3s1, Lamb2, Sema3b, Mtss1, Tob1, Gpc4, Adamts5, Rab3d, Pbxip1, Plcb1, Sparc, Usp2, Thra, Slc9a6, Prelp, Zdhhc8, Gpr133, Dmpk, Ntn4, Abcd1
V$E12_Q6	83(776)	4,23E-10	Hr, Arhgef12, Slc6a7, Zbtb4, Pmp22, Rab43, Fbxl20, Ank2, Ltbp3, Kcnc2, Ufc1, Agl, Nagk, Bmp4, Hdlbp, S100a16, Dhrs3, Adra1b, Hoxa1, Apba1, Gabarap, Nrip3, Repin1, Ssbp2, Ehd1, Fabp3, Ndrg4, Slc39a14, Sema3f, Cobl, Galnt2, Camkk1, Ppt2, Add3, Dlg2, Snx10, Atp6v0b, Pkia, Rragc, Rab22a, Mtus1, Dbp, Slc37a4, Wnt9a, Fuca2, Gadd45b, Psen2, Dtx2, Kif13b, Rasl10b, Serf2, C1qtnf1, Kif1c, Klf15, Cacna1g, Stxbp1, Hhip, Sema3b, Wwp2, Mtss1, Arvcf, App, Bace1, Itpr2, Pbxip1, Plcb1, Crat, Abtb2, Ckm, Usp2, Thra, Dusp3, Rhoq, Prelp, Cox6a2, Dmpk, Mpv17, Ntn4, Rasl12, Cdh7, Dgkg, Slco3a1, Mrgprf
V$AP4_Q5	59(776)	1,94E-09	L1cam, Pmp22, Ank2, Man2b1, Loxl1, Chrd, Lhfpl2, Ankrd12, Dhrs3, Hist1h3d, Apba1, Cryab, Mapk4, Rnf13, Renbp, Adamts2, Tuba8, Tgfb2, Arnt, Vamp3, Rapsn, Cpa6, Gsk3b, Dlg2, Esrrb, Napb, Cdk5, Lrba, Scrn1, Impdh1, Wnt9a, Rasl10b, Myadm, Serf2, C1qtnf1, Ube2h, Cacna1g, Dleu2, Lamb2, Mtss1, App, Map3k8, Ufm1, Tob1, Pbxip1, Abtb2, Ckm, Rit1, Slc1a4, Cox6a2, Dmpk, Lrch1, Mlycd, Rabac1, Slc35c2, Tollip, Rasl12, Tpcn1, Mrgprf
V$NF1_Q6	41(776)	3,37E-08	Wisp2, Hr, Arhgef12, Ppp2r5b, Loxl1, Slc35b1, Chrd, Ankrd12, Dhrs3, Jdp2, Cryab, Ssbp2, Fabp3, Abhd5, Rbms2, Camkk1, Sema3c, Rora, Lmna, Add3, Dlg2, Snx10, Atp2a3, Napb, Akap4, Kif13b, C1qtnf1, Ube2h, Tom1l2, Lancl1, Hhip, Ap3s1, Lamb2, Stac, Mtss1, Rras, Pbxip1, Plcb1, Rit1, Prelp, Abcb6
V$FOXO4_01	68(776)	3,97E-08	Dner, Kremen1, Satb1, Hr, Glrb, Dusp8, Rab43, Fbxl20, Kcnn1, Mfap5, Kcnc2, Ulk2, Agl, Gabarapl2, Bmp4, Zdhhc4, Dhrs3, Apba1, Gabarap, Ssbp2, Anxa1, Ehd1, Rnf13, Tgfb2, Smad6, Rbms2, Ndufb2, Ephb3, Rora, Dlg2, Nfs1, Pkia, Fbn2, Gpr39, Fstl1, Dbp, Atp10d, Dtx2, Gng5, Ube2h, Tom1l2, Ing4, Grik2, Hhip, Riok3, Atp6v0a1, Ezh1, App, Tob1, Pld1, Mrc2, Plcb1, Sh3glb1, Dirc2, Usp2, Thra, Rit1, Fn1, Rhoq, Ptprm, Gabarapl1, Ntn4, Clstn1, Znrf2, Cry2, Garnl3, Frmpd1, Mrgprf
V$MAZ_Q6	72(776)	1,50E-07	Satb1, Hr, Arhgef12, Slc6a7, Dusp8, Npdc1, Zbtb4, Fbxl20, Kcnc2, Gabarapl2, Chrd, Mkrn1, Bmp4, S100a16, Hoxa1, Arl2, Gabarap, Slamf9, Cdkn1a, Ssbp2, Tuba8, Tgfb2, Arnt, Selm, Rab38, Nkiras1, Galnt2, Ugp2, Rora, Lmna, Ppt2, Add3, Gsk3b, Dlg2, Dnajc4, Gpx4, Atp2a3, Tcta, Dab2ip, Mtus1, Dbp, Iscu, Impdh1, Gadd45b, Gdf15, Lrsam1, Myadm, Kif1c, Klf15, Ube2h, Ensa, Cacna1g, Ap3s1, Amhr2, Wwp2, Arvcf, Bace1, Rras, Map3k8, Tob1, Gpc4, Adamts5, Mrc2, Tbc1d14, Sparc, Usp2, Thra, Prelp, Dmpk, Clstn1, Dgkg, Cdc42ep2
V$AP1_C	45(776)	4,37E-07	Stk10, Cspg4, Pmp22, Dusp22, Gstp1, Ltbp3, Slc35b1, Fads3, Dhrs3, Suox, Nrip3, Cdkn1a, Cobl, Camkk1, Lmna, Cpa6, Snx10, Napb, Fstl1, Scrn1, Gadd45b, Dtx2, Lrsam1, Camk4, Sema3b, Atp6v0a1, Ecm1, App, Tob1, Rab3d, Pcsk6, Sparc, Usp2, Slc22a18, Rit1, Rhoq, Gabarapl1, Dmpk, Mpv17, Ntn4, Synpo, Abcd1, Abcb6, Lynx1, Mrgprf
V$ERR1_Q2	43(776)	8,54E-07	Dner, Satb1, Arhgef12, Dok4, Ltbp3, Kcnn1, Mfap5, Mal, Cdkn1a, Fabp3, Uchl1, Slc31a2, Sema3f, Ascc1, Creb3, Ugp2, Fbln5, Dlg2, Esrrb, Rab22a, Fstl1, Mtus1, Iscu, Nfe2l1, Slc2a13, Myadm, Nr2c1, Kif1c, Vdac1, Lamb2, App, Slc6a8, Abtb2, Usp2, Thra, Dusp3, Rhoq, Kif3b, Gabarapl1, Dscr3, Dmpk, Synpo, Slco3a1
V$PITX2_Q2	33(776)	2,30E-06	Hr, Pdgfc, Srr, Bmp4, Rpl17, Dhrs3, Hoxa1, Nrip3, Tyrp1, Tuba8, Arnt, Rbms2, Creb3, Rora, Ppt2, Add3, Gsk3b, Bbs5, Slc41a2, Slc35a2, Slc37a4, Impdh1, Gadd45b, Mtss1, Jund, App, Rras, Pbxip1, Ankrd29, Fzd6, Dusp3, Dmpk, Znrf2
V$MEIS1_01	34(776)	1,99E-05	Hr, Arhgef12, Cspg4, Ppp2r5b, Stard6, Ank2, Rhoj, Ankrd12, Dhrs3, Adra1b, Hoxa1, Apba1, Arhgap1, Anxa1, Mtmr3, Abhd5, Rora, Esrrb, Copz2, Elmo2, Ube2h, Ensa, Ap3s1, Riok3, Mtss1, Bace1, Pxmp4, Cdkn2b, P4ha2, Crat, Abtb2, Usp2, Thra, Mrgprf

Transcription Factor	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
V$NFAT_Q4_01	56(776)	3,42E-05	Ctbs, Arhgef12, Cspg4, Pmp22, Tbcd, Acyp2, Loxl1, Bmp4, Dhrs3, Hoxa1, Apba1, Gabarap, Jdp2, Repin1, Stx7, Cdkn1a, Ssbp2, Mapk4, Adamts2, Uchl1, Tgfb2, Abhd5, Rbms2, Rab38, Vamp3, Rora, Ppt2, Add3, Dlg2, Esrrb, Tcta, Fstl1, Slc35a2, Cables1, Gadd45b, Ube2h, Ensa, Stxbp1, Wwp2, Mtss1, Gdap1, Map3k8, Mrc2, Pcsk6, Pbxip1, Plcb1, Crat, Usp2, Rit1, Smpdl3a, Fn1, Prelp, Rasl12, Abcd1, Dgkg, Mrgprf
V$AP1_Q4_01	17(776)	3,42E-05	Ltbp3, Slc35b1, Dhrs3, Cdkn1a, Cobl, Camkk1, Snx10, Fstl1, Ecm1, Tob1, Rab3d, Usp2, Rit1, Mpv17, Ntn4, Synpo, Abcd1
V$LEF1_Q2	73(776)	4,07E-05	Stk10, Kremen1, Satb1, L1cam, Hr, Zbtb4, Pdgfc, Rab43, Aldh6a1, Ank2, Ltbp3, Slc35b1, Slc7a7, Mkrn1, Ankrd12, Gabarap, Jdp2, Nrip3, Ehd1, Sh3bgr, C1qtnf6, Uchl1, Tgfb2, Sema3f, Npc2, Smad6, Arnt, Ephb3, Rora, Add3, Gsk3b, Esrrb, Gstk1, Pkia, Dab2ip, Reck, Rab22a, Mtus1, Dbp, Nkiras2, Vnn1, Nfe2l1, Gdap2, Wnt9a, C1qtnf1, Elmo2, Ube2h, Ing4, Cacna1g, Anxa3, Grik2, Lamb2, Fech, Wwp2, Atp6v0a1, Stmn3, Jund, App, Bace1, Slc2a6, Slc16a9, Maob, Tob1, Gpc4, Adamts5, Kif3a, Usp2, Rit1, Rhoq, Trpv4, Gpr133, Abcd1, Pank2
V$BACH2_01	17(776)	4,17E-05	Fads3, Dhrs3, Cdkn1a, Camkk1, Lmna, Cpa6, Scrn1, Gadd45b, Dtx2, Ndel1, Rab3d, Rit1, Gabarapl1, Mpv17, Ntn4, Synpo, Abcd1
V$MTF1_Q4	16(776)	4,43E-05	Hr, Fbxl20, Chrd, Repin1, Dab2ip, Klf15, Ppp1r16a, Mtss1, Arvcf, Tob1, Gpc4, Mrc2, Kif3a, Ehd2, Abtb2, Dgkg
V$E4F1_Q6	28(776)	6,07E-05	Zbtb4, Ank2, Ufc1, Hoxa1, Arl2, Cdkn1a, Habp4, Tgfb2, Rbms2, Ndufb2, Maoa, Iscu, Atp10d, Ndel1, Nr2c1, Ube2h, Ensa, Ing4, Sema3b, Jund, Ndufa10, Mrc2, Fbxl2, Usp2, Thra, Hist1h4h, Ntn4, Cry2
V$SREBP1_01	23(776)	8,77E-05	Hexa, Arhgef12, Dusp8, Aldh6a1, Mmaa, S100a16, Tom1, Gabarap, Cbara1, Renbp, Acp2, Camkk1, Gsk3b, S100a1, Rragc, Rab22a, Nfe2l1, Fuca2, Cyp27a1, App, Dirc2, Dusp3, Tollip
V$OLF1_01	23(776)	9,09E-05	Hr, Pdgfc, Dusp22, Gas6, Fads3, Gabarapl2, Bmp4, Apba1, Repin1, Ephb3, Gsk3b, C1qtnf1, Rab2b, Sema3b, Mtss1, Itpr2, Ckm, Thra, Dusp3, Rhoq, Slc9a6, Dmpk, Frmpd1
V$AP1_01	16(776)	9,36E-05	Ppp2r5b, Gstp1, Dhrs3, Nrip3, Cdkn1a, Lmna, Cpa6, Snx10, Dtx2, Rab3d, Slc22a18, Rit1, Gabarapl1, Abcd1, Abcb6, Mrgprf
V$NFE2_01	18(776)	0,000136971	Gstp1, Dhrs3, Nrip3, Cdkn1a, Cobl, Camkk1, Cpa6, Snx10, Scrn1, Dtx2, Tob1, Rab3d, Slc22a18, Rit1, Gabarapl1, Synpo, Abcd1, Abcb6
V$FREAC2_01	33(776)	0,000162716	Hr, Npdc1, Pdgfc, Rab43, Ank2, Gabarapl2, Bmp4, Dhrs3, Hoxa1, Cdkn1a, Habp4, Asah1, C1qtnf6, Ephb3, Rora, Ppt2, Pkia, Dab2ip, Fstl1, Scrn1, Ube2h, Grik2, Hhip, Ezh1, Map3k8, Tob1, Pbxip1, Thra, Rhoq, Synpo, Clstn1, Pde6d, Mrgprf
V$HEB_Q6	15(776)	0,000173938	L1cam, Pmp22, Fbxl20, Dhrs3, Hist1h3d, Mapk4, Tgfb2, Dlg2, Nfe2l1, Ufm1, Ckm, Usp2, Slc1a4, Rasl12, Mrgprf
V$TCF11MAFG_01	20(776)	0,000178281	Satb1, Ero1l, Gstp1, Slc35b1, Hdlbp, Rnf13, Uchl1, Camkk1, Snx10, Atp2a3, Nkiras2, Dtx2, Grik2, Atp6v0a1, Tob1, Mrc2, Slc22a18, Gabarapl1, Pcyt1a, Abcb6
V$AP1_Q6	15(776)	0,000182228	Ltbp3, Dhrs3, Nrip3, Cdkn1a, Cobl, Camkk1, Lmna, Cpa6, Scrn1, Ecm1, Rab3d, Sparc, Rit1, Dmpk, Abcd1
V$TEF1_Q6	22(776)	0,000188792	Mfap5, Bmp4, Cryab, Ehd1, Slc31a2, Rapsn, Lmna, Add3, Dlg2, Fstl1, Myadm, Kif1c, Cacna1g, Lamb2, Mtss1, Jund, Rras, Pbxip1, Sparc, Usp2, Dmpk, Mrgprf
V$MEF2_02	29(776)	0,000266816	Stard6, Kcnn1, Myom2, Cryab, Cdkn1a, Vamp3, Lmna, Dlg2, Esrrb, Atp2a3, Lama2, Cat, Gadd45b, Timp2, Ndel1, Klf15, Sgcb, Cog6, Grik2, Lamb2, Stac, Gpc4, Ckm, Usp2, Rhoq, Camk1, Cox6a2, Dmpk, Slc35c2
V$ELK1_02	34(776)	0,000507657	Rab4b, Ufc1, Agl, Gabarapl2, Nagk, Mkrn1, Mtcp1, Acyp1, Sirt2, Arhgap1, Asb1, Rnf13, Galnt10, Samd8, Sema3f, Acp2, Tcta, Nfs1, Dab2ip, Mcl1, Mef2b, Nkiras2, Insig2, Srp14, Ing4, Bace1, Itgb1bp1, Rras, Ufm1, Rhoq, Dscr3, Pcyt1a, Mlycd, Slc35c2
V$ATF3_Q6	23(776)	0,000578038	Qpct, Zbtb4, Ppp2r5b, Rhoj, Adra1b, Cdkn1a, Ehd1, Sh3bgr, Ndufb2, Maoa, Ndel1, Ube2h, Ing4, Cacna1g, Hhip, Mtss1, Jund, Ndufa10, Pbxip1, Dusp3, Gabarapl1, Zdhhc8, Mrgprf
V$AREB6_02	14(776)	0,000580571	Slc6a7, Fads3, S100a16, Camkk1, Dlg2, S100a1, Rragc, Wnt9a, Wwp2, Crat, Usp2, Cox6a2, Dmpk, Dgkg

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Transcription Factor	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
V$MYC_Q2	32(776)	0,0005886	Hexa, Aldh6a1, Fads3, Bmp4, Ankrd12, Tom1, Hoxa1, Arl2, Gabarap, Nrip3, Cbara1, Fabp3, Commd8, Slc31a2, Tgfb2, Sema3f, Camkk1, Gsk3b, Atp6v0b, Rragc, Mtus1, Gadd45b, Psen2, Camk4, Tom1l2, Hhip, Wwp2, Dirc2, Usp2, Mpv17, Znrf2, Abcb6
V$TCF1P_Q6	13(776)	0,00102772	Satb1, Dusp8, Zbtb4, Cdkn1a, Tuba8, Rbms2, Dlg2, Mtss1, App, Usp2, Slc9a6, Frmpd1, Mrgprf
V$ETS2_B	35(776)	0,00103851	Qpct, Stk10, C1qtnf5, Arhgef12, Rab43, Ltbp3, Dhps, Srr, Vps39, Rhoj, Hoxa1, Apba1, Cdkn1a, Ndrg4, C1qtnf6, Sema3f, Rbms2, Galnt2, Creb3, Rora, Atp2a3, Cdk5, Dab2ip, Fstl1, Impdh1, Wnt9a, Wwp2, Ecm1, Gpc4, Itpr2, Sparc, Fzd6, Slc35c2, Znrf2, Frmpd1
V$E4BP4_01	15(776)	0,00105635	Gabarapl2, Uchl1, Arnt, Atp2a3, Impdh1, Hist3h2a, Rasl10b, Ube2h, Ensa, Prnp, Tob1, Plcb1, Usp2, Slc35c2, Clstn1
V$ATF4_Q2	13(776)	0,00171272	Ppp2r5b, Nrip3, Selm, Gsk3b, Pkia, Maoa, Ube2h, Ecm1, Ndufa10, Dirc2, Usp2, Abcd1, Mrgprf
V$AP1_Q2_01	14(776)	0,00193938	Ltbp3, Cdkn1a, Cobl, Lmna, Cpa6, Snx10, Impdh1, Ndel1, Klf15, Sema3b, Rit1, Mpv17, Ntn4, Mrgprf
V$CP2_01	13(776)	0,00211979	Satb1, Hr, Pmp22, Ltbp3, Dhrs3, Atp2a3, Dab2ip, Dbp, Kif1c, Lamb2, Rhoq, Prelp, Pank2
V$BACH1_01	13(776)	0,00295799	Fads3, Cdkn1a, Camkk1, Lmna, Scrn1, Ecm1, Rab3d, Sparc, Gabarapl1, Mpv17, Ntn4, Abcd1, Mrgprf
V$GABP_B	25(776)	0,0031409	Stk10, Rab4b, Ufc1, Agl, Bmp4, Ttc15, Hoxa1, Mtcp1, Arhgap1, Slamf9, Galnt10, Acp2, Rbms2, Creb3, Tcta, Cdk5, Nkiras2, Iscu, Dtx2, Rab2b, Ing4, Nme2, Gpc4, Itpr2, Kif3b
V$FOXO1_02	12(776)	0,00314616	Hr, Dhrs3, Hoxa1, Cdkn1a, Ehd1, Rora, Fstl1, Ezh1, Sh2d4a, Thra, Clstn1, Mrgprf
V$NRF1_Q6	26(776)	0,0033216	Slc6a7, Npdc1, Zbtb4, Srr, Cacna1b, Ehd1, Akap13, Samd8, Abhd5, Tcta, Napb, Mef2b, Iscu, Mocs2, Nr2c1, Sgcb, Cog6, Snrpn, Vps24, Itgb1bp1, Cdkn2b, Kif3a, Stx8, Tollip, Abcb6, Kpna1
V$USF_01	12(776)	0,00343012	Aldh6a1, Bmp4, Ankrd12, Tom1, Hoxa1, Gabarap, Nrip3, Commd8, Slc31a2, Gsk3b, Tom1l2, Dirc2
V$MYOD_Q6	30(776)	0,00345492	Hr, Arhgef12, Ppp2r5b, Ank2, Chrd, Lhfpl2, Ehd1, Fabp3, Rnf13, Cobl, Galnt2, Rapsn, Camkk1, Gsk3b, Dlg2, Dab2ip, Rragc, Mtus1, Kif13b, Serf2, Adamts5, Plcb1, Crat, Ckm, Usp2, Dmpk, Ntn4, Mlycd, Rabac1, Tpcn1
V$IK2_01	13(776)	0,00359605	Pdgfc, Pmp22, Cryab, Sema3f, Rbms2, Vamp3, Rora, Napb, Pkia, Slc35a2, Gpc4, Usp2, Slco3a1
V$ETS1_B	12(776)	0,00393904	Stk10, Rab43, Vps39, Bmp4, Hoxa1, Apba1, Rbms2, Galnt2, Dab2ip, Impdh1, Kif1c, Itpr2
V$HEN1_02	10(776)	0,00401444	Ank2, Loxl1, Bmp4, Galnt10, Adamts2, Capn5, Impdh1, Rasl10b, Abtb2, Mrgprf
V$SOX5_01	12(776)	0,00426268	Ank2, Slc35b1, Dhrs3, Apba1, Ephb3, Dlg2, Fstl1, Hhip, Tob1, Gpc4, Mrc2, Plcb1
V$USF_02	12(776)	0,00532941	Dusp8, Aldh6a1, Ankrd12, Gabarap, Nrip3, Commd8, Slc31a2, Tgfb2, Vnn1, Tom1l2, Fzd6, Rhoq
V$ZIC3_01	12(776)	0,0063057	Fbxl20, Dhrs3, Cryab, Uchl1, Vamp3, Lmna, Fstl1, Mtus1, Impdh1, Sema3b, Thra, Mrgprf
V$NFY_Q6_01	32(776)	0,00652561	Fzd8, Aldh6a1, Rab4b, Bmp4, Ankrd12, Acyp1, Cacna1b, Sh3bgr, C1qtnf6, Smad6, Ugp2, Gsk3b, Dlg2, Tcta, Dbp, Atp10d, Cat, Hist3h2a, Ensa, Lancl1, Dleu2, Ap3m2, Pxmp4, Itpr2, Abtb2, Usp2, Rhoq, Cox6a2, Mlycd, Tpcn1, Pde6d, Pank2
V$NF1_Q6_01	12(776)	0,00746437	Fbxl20, Loxl1, Rhoj, Jdp2, Smad6, Lmna, Lgals9, Lamb2, Crot, Mtss1, Rras, Rhoq

Transcription Factor	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
V$AREB6_01	27(776)	0,00751332	Wisp2, Pdgfc, Rab43, Bmp4, Dhrs3, Hist1h3d, Gabarap, Repin1, Ndrg4, Uchl1, Tgfb2, Sema3f, Camkk1, Dlg2, Slc37a4, Kif1c, Rab2b, Cacna1g, Gpc4, Tbc1d14, Plcb1, Usp2, Thra, Fn1, Zdhhc8, Mpv17, Lynx1
V$ER_Q6	12(776)	0,00765758	Satb1, Pmp22, Slc35b1, Gabarapl2, Tuba8, Esrrb, Iscu, Myadm, Vps24, Gpc4, Ckm, Dusp3
V$SMAD3_Q6	11(776)	0,00844641	C1qtnf5, S100a16, Cdkn1a, Tgfb2, Smad6, Cdk5, Mrc2, Crat, Dusp3, Dmpk, Synpo
V$CMYB_01	11(776)	0,00869454	Hr, Aldh6a1, Tom1, Add3, Gsk3b, Slc39a3, Ube2h, Jund, Gpc4, Crat, Usp2
V$LHX3_01	13(776)	0,00877256	Jdp2, Stx7, Smad6, Sema3c, Rora, Add3, Rab22a, Slc37a4, Wnt9a, Rasl10b, Hhip, Mtss1, Tob1
V$SRF_Q6	12(776)	0,00877953	Agl, Rhoj, Hoxa1, Emilin2, Cacna1b, Myadm, Ckm, Prelp, Dmpk, Dgkg, Prkab2, Mrgprf
V$HIF1_Q5	11(776)	0,00889888	Slc6a7, Ero1l, Selm, Ephb3, Creb3, Rora, Ppt2, Slc37a4, Gadd45b, Abcb6, Cdc42ep2
V$EN1_01	7(776)	0,00903432	Ank2, Klf15, Ube2h, Atp9b, Rab2b, Gpc4, Plcb1
V$CREB_Q4_01	10(776)	0,00904348	Rbms2, Ndufb2, Maoa, Iscu, Ube2h, Hhip, Jund, Usp2, Rhoq, Mrgprf
V$SP1_01	11(776)	0,00928348	Srr, Nagk, Gabarap, Cryab, Mtmr3, Camkk1, Nfe2l1, Myadm, Kif1c, Mtss1, Clstn1
V$E2F1_Q3_01	11(776)	0,00928348	Satb1, Hr, Arhgef12, Aldh6a1, Vamp3, Reck, Elmo2, Fbxo9, Dleu2, Mrc2, Usp2
V$LFA1_Q6	11(776)	0,00956039	Rab4b, Gabarap, Npc2, Gsk3b, Kif1c, Cacna1g, Ppp1r16a, Bace1, Dmpk, Rasl12, Tpcn1
V$NRF2_01	10(776)	0,010015	Ufc1, Agl, Arhgap1, Acp2, Nkiras2, Insig2, Dtx2, Ing4, Wwp2, Rras
V$TATA_01	35(776)	0,0100572	Fzd8, Pdgfc, Srr, Klf2, Hdlbp, Cryab, Anxa1, Ehd1, Hist1h1e, Lyplal1, Uchl1, Tgfb2, Npc2, Fbln5, Sema3c, Rora, Tcta, Mtus1, Nkiras2, Slc37a4, Cables1, Gdf15, Ube2h, Stac, Ecm1, Tob1, Adamts5, Pltp, Ckm, Rit1, Fn1, Gpr133, Dmpk, Slc35c2, Slco3a1
V$CEBP_Q3	11(776)	0,0101357	Adamts2, Tgfb2, Arnt, Rora, Dlg2, Maoa, Hhip, Tob1, Gpc4, Pbxip1, Thra
V$ARNT_01	11(776)	0,0102785	Aldh6a1, Bmp4, Ankrd12, Hoxa1, Nrip3, Cbara1, Commd8, Tgfb2, Atp6v0b, Mtus1, Cry2
V$STAT5A_03	11(776)	0,0105823	Satb1, Tbcd, Dhrs3, C1qtnf6, Slc35a2, Fbxo9, Ube2h, Mtss1, Tob1, Gpc4, Fn1
V$EVI1_01	3(776)	0,0110184	Vamp3, Tob1, Crat
V$TCF11_01	10(776)	0,0111079	Jdp2, Rnf13, Dlg2, Rab22a, Slc41a2, Kif1c, Cdkn2b, Gpc4, Rit1, Mpv17
V$STAT6_01	11(776)	0,0118736	Satb1, Tbcd, Dhrs3, Mapk4, C1qtnf6, Slc35a2, Fbxo9, Mtss1, Tob1, Gpc4, Fn1
V$PXR_Q2	11(776)	0,0118736	Dhrs3, Smad6, Ugp2, Gsk3b, Fstl1, Scrn1, Cables1, Cacna1g, App, Slc6a6, Lrch1

Transcription Factor	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
V$PAX4_01	11(776)	0,0154196	Arhgef12, Rab43, Slc35b1, Suox, Hoxa1, Galnt10, Capn5, Iscu, Sema3b, Jund, Rras
V$ER_Q6_02	11(776)	0,0154196	Satb1, Gabarapl2, Hck, Cdkn1a, Creb3, Myadm, Vps24, Lamb2, Dusp3, Rhoq, Slco3a1
V$TFIIA_Q6	11(776)	0,0167056	Cspg4, Gabarapl2, Jdp2, Cryab, Lmna, Add3, Nkiras2, Anxa3, Sgca, Gpc4, Adamts5
V$AP1_Q4	11(776)	0,0167056	Ltbp3, Nrip3, Cdkn1a, Camkk1, Lmna, Esrrb, Scrn1, Dtx2, Usp2, Synpo, Abcb6
V$PTF1BETA_Q6	10(776)	0,0170972	Npdc1, Pmp22, Dusp22, Dhrs3, Apba1, Repin1, Smad6, Impdh1, Hhip, Thra
V$MZF1_01	10(776)	0,0170972	Hr, Fbxl20, Ank2, Hoxa1, Nrip3, Add3, Gsk3b, Ap3s1, Tob1, Prelp
V$GCM_Q2	10(776)	0,0170972	Ppp2r5b, Mfap5, Adra1b, Smad6, Add3, Fbxo9, Cacna1g, Pld1, Thra, Kpna1
V$ARP1_01	8(776)	0,0175343	C1qtnf5, Fbxl20, Ltbp3, Hoxa1, Dbp, Ensa, Cacna1g, Sparc
V$CREBP1_01	8(776)	0,0178288	Gabarapl2, Rbms2, Impdh1, Rasl10b, Prnp, Tob1, Usp2, Clstn1
V$GATA1_02	10(776)	0,0179157	Satb1, Bmp4, Apba1, Rora, Ube2h, Ing4, Ap3s1, Amhr2, Cry2, Cdc42ep2
V$USF2_Q6	10(776)	0,0182286	Fads3, Arl2, Nrip3, Cbara1, Fabp3, Tgfb2, Atp6v0b, Rragc, Psen2, Usp2
V$USF_Q6	10(776)	0,0187721	Hexa, Aldh6a1, Tom1, Hoxa1, Gabarap, Nrip3, Cbara1, Tom1l2, Dirc2, Mpv17
V$SOX9_B1	16(776)	0,0190617	Fbxl20, Mfap5, Apba1, Cdkn1a, Slc39a14, Fbln5, Dlg2, S100a1, Dab2ip, Fbn2, Kif1c, Mtss1, Maob, Adamts5, Tbc1d14, Fn1
V$TAL1ALPHAE47_01	10(776)	0,0198954	Scn1b, Gabarapl2, Hck, Hoxa1, Selm, Dtx2, Ap3s1, Riok3, Pbxip1, Plcb1
V$RFX1_02	10(776)	0,0204756	Ank2, Rpl17, Ehd1, Ppt2, Ap3m2, Pbxip1, Sparc, Dusp3, Camk1, Stx8
V$AR_01	7(776)	0,0206069	Pmp22, Cdkn1a, Rbms2, Dab2ip, Klf15, Abtb2, Usp2
V$EVI1_04	10(776)	0,021433	Pdgfc, Dhrs3, Cryab, Ankra2, Tgfb2, Vamp3, Mtus1, Cables1, Ap3m2, Tob1
V$CEBPA_01	10(776)	0,021433	Smad6, Arnt, Fbn2, Maoa, Fstl1, Hhip, Tob1, Gpc4, Thra, Rhoq
V$MMEF2_Q6	11(776)	0,0219037	Klf2, Dhrs3, Ehd1, Add3, Dlg2, Tcta, Insig2, Ckm, Usp2, Zdhhc8, Dmpk

Transcription Factor	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
V$ATF1_Q6	10(776)	0,0220471	Habp4, Ehd1, Smad6, Dlg2, Ube2h, Cacna1g, Hhip, Jund, Thra, Dusp3
V$STAT6_02	10(776)	0,0258523	Satb1, Vps39, Rhoj, Atp5e, Vamp3, Mtus1, Nkiras2, Usp2, Zdhhc8, Znrf2
V$PU1_Q6	18(776)	0,0260521	C1qtnf5, Hr, Tcn2, Fbxl20, Rhoj, Rpl17, Hoxa1, Slc39a14, Creb3, Rora, Add3, Atp2a3, Tcta, Impdh1, Rab2b, Cacna1g, Grik2, Itpr2
V$STAT_Q6	10(776)	0,0265547	Qpct, Agl, Mkrn1, Apba1, Add3, Nfs1, Slc41a2, Ube2h, Thra, Fn1
V$RSRFC4_Q2	16(776)	0,0269162	Kcnn1, Myom2, Cdkn1a, Dlg2, Atp2a3, Timp2, Elmo2, Stac, Gpc4, Ckm, Usp2, Rhoq, Gpr133, Slco3a1, Pde6d, Cdc42ep2
V$AP3_Q6	10(776)	0,0269897	Mmaa, Hdlbp, Npc2, Rora, Fstl1, Wwp2, Jund, Sparc, Fn1, Mpv17
V$RSRFC4_01	10(776)	0,0277151	Kcnn1, Ehd1, Dlg2, Atp2a3, Timp2, Stac, Gpc4, Ckm, Usp2, Slco3a1
V$AP2REP_01	8(776)	0,0277768	Zbtb4, Ltbp3, Rhoj, Cobl, Rora, Ube2h, Pcsk6, Frmpd1
V$AP1_Q6_01	10(776)	0,0281699	Nrip3, Lmna, Snx10, Scrn1, Tob1, Gabarapl1, Dmpk, Mpv17, Abcd1, Abcb6
V$ZID_01	9(776)	0,0287602	Hr, Gabarapl2, Chrd, Hist1h3d, C1qtnf6, Creb3, Iscu, Abtb2, Prelp
V$GATA2_01	6(776)	0,0289335	Rbms2, Ube2h, Grik2, Mpv17, Znrf2, Abcb6
V$P53_DECAMER_Q2	10(776)	0,0291108	Rab43, Cdkn1a, Anxa1, Add3, Dlg2, Dab2ip, Nkiras2, Nfe2l1, Abcd1, Slco3a1
V$EGR2_01	8(776)	0,0291922	Fbxl20, Chrd, Ephb3, Kif1c, Wwp2, Gpc4, Mrc2, Thra
V$AP2ALPHA_01	9(776)	0,0348934	Hr, Ppp2r5b, S100a16, Jund, Thra, Dmpk, Znrf2, Dgkg, Frmpd1
V$RP58_01	9(776)	0,0365516	Ank2, Ankrd12, Adamts2, Wnt9a, Dtx2, C1qtnf1, Cacna1g, Cdc42ep2, Mrgprf
V$TAL1BETAE47_01	9(776)	0,0365516	Scn1b, Gabarapl2, Hck, Selm, Wnt9a, Dtx2, Riok3, Pbxip1, Plcb1
V$MYB_Q6	9(776)	0,0365516	Ank2, Rab4b, Ssbp2, Rapsn, Tcta, Ube2h, Cacna1g, Fbxl2, Synpo
V$USF_C	10(776)	0,0375398	Fads3, Bmp4, Gabarap, Slc31a2, Psen2, Camk4, Hhip, Usp2, Znrf2, Abcb6
V$ELF1_Q6	9(776)	0,0375737	Dusp22, Ttc15, Rpl17, Creb3, Fbln5, Add3, Atp2a3, Myadm, Itpr2

Transcription Factor	Number of genes	Corrected p-value	Genes induced in Rasless cells (from Table S1)
V$HEN1_01	8(776)	0,0395718	Ank2, Loxl1, Bmp4, Capn5, Impdh1, Rasl10b, Abtb2, Mrgprf
V$OCT_C	14(776)	0,0429247	Arhgef12, Ephb3, Mtus1, Scrn1, Mras, Wnt9a, Hist3h2a, Jund, Rras, Sgca, Gpc4, Abtb2, Thra, Dgkg
V$ZIC2_01	9(776)	0,0433534	Hr, Dhrs3, Cryab, Rab22a, Fstl1, Mtus1, Impdh1, Sema3b, Usp2
V$MYCMAX_03	9(776)	0,0444984	Hexa, Aldh6a1, Tom1, Hoxa1, Gabarap, Nrip3, Cbara1, Uchl1, Tgfb2
V$AP1FJ_Q2	10(776)	0,0450397	Ltbp3, Nrip3, Camkk1, Lmna, Rab22a, Scrn1, Dtx2, Tob1, Usp2, Synpo
V$PAX3_B	8(776)	0,046049	Klf2, Cdkn1a, Habp4, Ndufb2, Fbln5, Ppt2, Ndel1, Stxbp1
V$PPARA_02	6(776)	0,0461552	Hr, Man2b1, Add3, Dlg2, Nkiras2, Kif1c
V$SREBP1_02	5(776)	0,0461704	Loxl1, Dhrs3, Kif1c, Jund, Ntn4
V$GATA1_04	9(776)	0,047245	Ank2, Pon3, Rora, Esrrb, Pkia, Slc35a2, Ube2h, Amhr2, Synpo
V$FAC1_01	8(776)	0,0480052	Fbxl20, Kcnc2, Gabarapl2, Gabarap, Mtmr3, Wnt9a, Klf15, Cacna1g
V$SRF_Q5_01	9(776)	0,0480555	Rhoj, Emilin2, Cacna1b, Myadm, Ube2h, Ckm, Dgkg, Prkab2, Mrgprf
V$AP4_01	9(776)	0,0480969	Ank2, Ssbp2, Mtmr3, Rapsn, Gsk3b, Rasl10b, Klf15, Gpc4, Usp2
V$CREB_01	9(776)	0,0480969	Rbms2, Ndufb2, Maoa, Ube2h, Ing4, Hhip, Jund, Ndufa10, Mrgprf
V$STAT4_01	9(776)	0,0480969	Satb1, Cspg4, Rhoj, Mtus1, Usp2, Fn1, Rhoq, Zdhhc8, Pde6d
V$YY1_Q6	13(776)	0,0482511	Zbtb4, Fzd8, Rab4b, Mtmr3, Arnt, Reck, Rab22a, Scrn1, Nfe2l1, Ensa, Ing4, Snrpn, Tbc1d14
V$P53_02	9(776)	0,0489325	Ppp2r5b, Repin1, Cdkn1a, Anxa1, Dab2ip, Gadd45b, Mrc2, Plcb1, Crat
V$COUP_01	9(776)	0,0489325	Satb1, Aldh6a1, Slc7a7, Dhrs3, Selm, Lmna, Dab2ip, Dusp3, Tpcn1
V$PR_Q2	9(776)	0,0497807	Tcn2, Ltbp3, Jdp2, Ssbp2, Wnt9a, Dtx2, Cacna1g, Wwp2, Znrf2
V$AFP1_Q6	9(776)	0,0497807	Agl, Hoxa1, Stx7, Sema3c, Rasl10b, Klf15, Ing4, Gpc4, Dmpk

Table S3-miRNA. Functional annotation to "miRNA" of the induced, overexpressed genes of Rasless MEFs.

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-762	47(776)	2,85E-10	Ppp1r16a,Yif1b,Sgca,Stmn3,Slc6a7,Hspa12a,Rab4b,Trpc7,Slc22a18,Lrrc51,Clstn1,Ppp2r5b,Crybb3,Copz2,Renbp,Adcy9,Dhrs1,Ephb3,Gstm2,Ccdc64,Ndel1,Grina,Zbtb4,Pbxip1,Rapsn,P4ha2,Snta1,Ppt2,Ascc1,Dusp8,Ergic3,Lims2,Ing4,Atp6v0b,Def8,Klf2,Tanc2,Tex264,Dpm2,Fbn2,Mras,Dhps,Prelp,Cdkn2b,Fbxw4,Cacna1b,2810428I15Rik
mmu-miR-770-3p	44(776)	7,19E-10	Yif1b,Stmn3,Slc6a7,Ascc2,Tmem41a,Nt5m,Clstn1,Ppp2r5b,Slc35a2,Trpt1,Btf3l4,Dgkg,Ttc15,Dph1,Itgb1bp1,Cspg4,Bphl,P4ha2,Lims2,Deb1,Rdh12,Os9,Naga,Npdc1,Necap2,Gabarap,Ahnak,Mrpl55,Glo1,Slc41a3,Spata21,Kif13b,Ssbp2,Hck,BC046404,Itfg3,Dhps,Igbp1,Scn1b,Tbc1d9b,Cyb5r3,Slc2a8,Ltbp3,Zfp704
mmu-miR-666-5p	49(776)	1,44E-09	Mrc2,Zfand3,Sgca,Stmn3,Pef1,Ascc2,Adc,Birc7,S100a1,Trpc7,Alg14,Hexa,Atp6v0e,Emilin2,Cd81,Loxl1,1810020D17Rik,Anxa3,Skap2,Slc31a2,Gpr133,Slc44a1,Ttc15,Suox,Trappc2l,Gstk1,Galns,Ndufa10,Itgb1bp1,Arhgef12,Impdh1,Bphl,Snta1,Itpr2,Bbs5,Ctsb,Atp6v0b,Slc39a14,Sorbs3,Ptprm,Ndrg4,1810046J19Rik,Dnajc4,Tbc1d9b,Rabac1,Cyb5r3,Pcsk6,Ltbp3,Npc1
mmu-miR-99a	45(776)	1,71E-09	Ahnak2,Adra1b,Stmn3,Slc6a7,Alg14,Insig2,Cd81,Adamts5,Cd248,F630110N24Rik,Amhr2,1810020D17Rik,Tmco3,9430038I01Rik,Cdc42ep2,Sepw1,Hoxa1,Ndel1,Tcn2,Rora,Zbtb4,Nfe2l1,Impdh1,Serpinb9b,Ergic3,Mmaa,Fabp3,Adamtsl5,Zmat2,Tollip,Nol3,Plcb1,Ankrd29,Atp6v0b,App,Ahnak,Fzd8,Ptprm,2900026A02Rik,Tpp1,Igfbp2,Rhoj,Scn1b,Atp10d,Shroom3
mmu-miR-423-5p	44(776)	2,68E-09	1300014I06Rik,Dtx2,S100a1,Trpc7,Cyp27a1,Clstn1,AI593442,Upk3b,Ppp2r5b,Akap13,Sgcb,Clip1,Qk,Ndel1,Gdf15,Shank3,L1cam,Man2b1,Rapsn,P4ha2,Ascc1,Dusp8,Rell2,2310046K01Rik,Os9,Ing4,Mtcp1,Frmpd1,Atp6v0b,Gabarap,Sorbs3,Fzd8,Ssbp2,Tex264,Slc25a39,Mras,Cdkn1a,Dhps,1810046J19Rik,Ckm,Lmna,Limch1,Ltbp3,Shroom3
mmu-miR-34c	46(776)	5,73E-09	Ahnak2,Ifi35,Rpl17,Fbxo9,Nt5m,Hexa,Sh3bgr,Rras,Wnt9a,D16H22S680E,Stk39,Sync,Nudt13,Nfs1,Vps39,Slc31a2,9430038I01Rik,Ttc15,Ccdc64,Suox,Guk1,Galns,Arl2,Nfe2l1,Pbxip1,Bphl,Nrip3,Lims2,Glt8d1,Rell2,Mtcp1,Plcb1,Ankrd29,Acyp2,Tex264,Slc2a6,Ptprm,Dpm2,Itfg3,Mras,Nhlrc1,Wscd2,Chst12,Lmna,Dusp22,Zfp704
mmu-miR-24	43(776)	1,07E-08	1300014I06Rik,Ecm1,Rab4b,Gabarapl2,Hexa,Rras,Ehd1,Emilin2,Cd81,Kcnn1,Cyp4v3,Neu1,Iqsec2,Abcd1,BC027231,Appl2,Chrd,Rapsn,P4ha2,Dusp8,Lrrc57,Htra3,Slc35c2,S100a13,Itpr2,Os9,Naga,Necap2,Def8,Clip4,Tex264,Slc25a39,Mras,Clcn7,Scarb2,Tom1l2,Slc25a35,Atp5e,Fbxw4,Cpeb1,1810030N24Rik,Tmub2,Ltbp3
mmu-miR-337-3p	42(776)	1,31E-08	Zfand3,Maob,Sgca,Plb1,Pef1,Mal,Fbxo9,Papss2,Alg14,Sh3bgr,Elmo2,Wnt9a,Cd81,Abcb6,Acox1,Slc35a2,Tbcd,Adcy9,BC027231,Clip1,Ephb3,Myom2,Gstk1,Chrd,Cspg4,Mtap6,Snta1,Cables1,C330006K01Rik,Mlycd,Bbs5,BC089491,Slc39a14,Clip4,Nr2c1,Csrp2,Scarb2,Gas6,Slamf9,Fbxw4,Fads3,Nagk
mmu-miR-504	42(776)	1,41E-08	Ppp1r16a,Dtx2,Usp2,Cox4nb,Prss29,D16H22S680E,Kcnn1,Tgfb2,Adcy9,9830001H06Rik,Lmbr1,Camk1,Alkbh6,Myom2,Lgals9,Tpcn1,Arl2,Nipa1,Tcn2,Grina,Shank3,Epb4.1l4b,Idua,Rdh12,Adamtsl5,Nkiras2,Naga,Tollip,Gpc4,Ankrd29,0610037L13Rik,Atp6v0b,Zfand2b,Sirt2,Slc2a6,Ikbkg,BC046404,Igfbp2,Fbxw4,Limch1,Pcsk6,Aldh3a2
mmu-miR-30a*	41(776)	3,88E-08	Sqrdl,Adc,Prss29,Nt5m,Cyp4v3,Cd248,Trappc6a,Dusp3,Calml4,Sepw1,Tob1,Ndufa10,Epb4.1l4b,Mtap6,P4ha2,Hist1h1e,Dusp8,Lrrc57,Iscu,Ccdc80,Slc22a4,Bbs5,Sned1,Nol3,Pde6d,Pltp,Srr,Slc26a11,Tanc2,Acyp2,Asb1,Ptprm,Mxra7,Vps24,Cpa6,BC004004,Adamtsl4,Gas6,Slamf9,1810030N24Rik,Cox6b1
mmu-miR-122	41(776)	4,22E-08	Dtx2,Stmn3,Adc,Mpv17,Sema3b,Nt5m,Sh3bgr,Atp6v0e,R74862,1810020D17Rik,Vps8,Dgkg,Lama2,Slc46a3,Rragc,2010003O02Rik,Ccdc64,Arl2,Gdf15,C1qtnf6,P4ha2,Serpinb9b,Cables1,Iscu,Psen2,Dopey2,Pde6d,Plcb1,Sh2d4a,Pxmp4,Ankrd29,Pdia5,Vps24,BC046404,Fbxl20,Htatip2,Arhgap1,Acyp1,Cpeb1,Ltbp3,Immp1l
mmu-miR-18a	44(776)	5,42E-08	Kif27,Lgr4,Cox4nb,Ascc2,Mpv17,Cyp27a1,Rras,Wnt9a,D16H22S680E,Inpp5a,AI593442,Smad6,Caml,Myadm,Tbcd,Akap13,Renbp,Adcy9,Skap2,Slc44a1,Fbxl2,Herpud2,Arhgef12,Slc35b1,2700078K21Rik,Serpinb9b,Sec22c,Iscu,Glt8d1,Rell2,Adamtsl5,Abtb2,Srp14,Ahnak,Cxcr7,Ikbkg,Ufc1,Cpa6,Cbara1,Acaa1a,Cpeb1,Ltbp3,Uchl1,Nagk
mmu-miR-423-3p	41(776)	7,44E-08	Dtx2,Commd8,Pef1,Prss29,Rab4b,Gpx4,Cyp27a1,Gabarapl2,Rras,Elmo2,Ehd1,Clstn1,Crybb3,F630110N24Rik,Qk,Dph1,Mapk4,Ndel1,Rora,Nme2,Htra3,Adar,Atg4a,Adamtsl5,Mustn1,Necap2,2010111I01Rik,Gabarap,Il17d,Kif13b,Atp5s,Slc25a39,Slc2a6,Vps24,Csrp2,Mras,Igfbp2,Gas6,Slc2a8,Ltbp3,Aldh3a2
mmu-miR-133b	43(776)	7,46E-08	Mrc2,Eif5a2,Ifi35,Sqrdl,Adc,Slc39a3,Rras,Clstn1,Slc35a2,F630110N24Rik,Akap13,Gramd3,Klk1b4,Txnrd3,Fbxl2,Appl2,Guk1,Arl2,Grina,Nfe2l1,Cspg4,Wwp2,Ehd3,Serpinb9b,Nrip3,Ttll7,Iscu,Rell2,Garnl3,Rdh12,Slc22a4,Atg7,Ahnak,Slc25a39,Slc2a6,Serf2,Dpm2,Csrp2,Scarb2,Gas6,Slamf9,Cacna1b,2810428I15Rik

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-671-5p	44(776)	7,51E-08	Ppp1r16a,Sqrdl,Yif1b,Slc37a4,Plb1,Prss29,Magi3,Rras,Krt80,Nudt13,Atp9b,Atp6v1e1,Dynlrb1,Akap13,Clip1,Txnrd3,Zbtb4,Nfe2l1,Impdh1,Slc35b1,Rapsn,Bphl,Ascc1,Idua,Ehd3,Nrip3,Mfap5,Ly6c1,Ing4,Hscb,Ctsb,2010111I01Rik,Atp6v0b,Ikbkg,Hck,Cog6,Dhps,Tom1l2,Igfbp2,Atp6v0a1,Chst12,Pcsk6,Ltbp3,Shroom3
mmu-miR-673-3p	42(776)	7,84E-08	Dtx2,Kif27,Prss29,Sema3b,Hexa,5930434B04Rik,Mtap1a,Gadd45b,Loxl1,Trappc6a,Iqsec2,Crybb3,Renbp,Abcd1,Adcy9,Vps8,Sepw1,Cacna1g,Ephb3,Ccdc64,Gstk1,Hsd3b3,Wisp2,Ypel3,Shank3,Nfe2l1,Pbxip1,2700078K21Rik,Snta1,Pon3,Pltp,Necap2,Mrpl55,Fbn2,Mras,Scarb2,Rabac1,Uchl1,Yif1a,Cacna1b,Shroom3,Ankrd44
mmu-miR-214	44(776)	1,13E-07	Pank2,Mrc2,Ifi35,Rab43,Stmn3,Slc37a4,Snrpn,Arvcf,Rab4b,Lrrc51,Rras,Cd81,Atp6v1e1,Iqsec2,Dusp3,Gramd3,Skap2,Arl2,Tcn2,Itgb1bp1,Shank3,Pbxip1,Mtap6,Nudt7,Slc35c2,S100a13,Ly6c1,Sh2d4a,Ctsb,1300010F03Rik,Atp6v0b,BC029214,Uqcrq,Slc25a39,Cbara1,Dnajc4,Tbc1d14,Atp6v0a1,Rit1,Rabac1,Cyb5r3,Ltbp3,Fads3,2810428I15Rik
mmu-miR-100	39(776)	1,13E-07	Fech,Ahnak2,Adra1b,Stmn3,Alg14,Insig2,Rab40b,Znrf2,Adamts5,Smad6,Sync,F630110N24Rik,Amhr2,1810020D17Rik,Clip1,Tmco3,Mxra8,9430038I01Rik,Cdc42ep2,Sepw1,Hoxa1,Tcn2,Rora,Impdh1,Ergic3,Fabp3,Zmat2,Nol3,Plcb1,Atp6v0b,App,Ahnak,Clip4,Fzd8,Ptprm,Tpp1,Scn1b,Dusp22,Shroom3
mmu-miR-125b-3p	44(776)	1,13E-07	Mrc2,Iah1,Col14a1,Sgca,Dhrs3,Alg14,Sema3b,Nt5m,Trpv4,Lamb2,Vps39,Dusp3,Amhr2,Copz2,Clip1,Camk1,Ttc15,Ephb3,Myom2,Txnrd3,Tpcn1,Tcn2,Ndufa10,Itgb1bp1,Chrd,Zbtb4,Rapsn,Snta1,Lims2,Os9,S100a16,Sned1,Mustn1,Zfand2b,Asb1,Tex264,Slc25a39,Ptprm,Cdh7,Nudt18,Adamtsl4,Scarb2,Ltbp3,Mtus1
mmu-miR-330	40(776)	1,16E-07	Adc,Prss29,Sema3b,Hexa,Emilin2,Cd81,Ppapdc3,Smad6,Klf15,Iqsec2,Acox1,Copz2,Dab2ip,Tbcd,Rarres2,Clip1,Lgals9,Ccdc64,Idua,Ergic3,Tmem175,Mlycd,Itpr2,Ing4,Cryab,Tm9sf4,Zfand2b,Def8,Cyb5,Ptprm,Fbxl20,Gpr39,Acaa1a,Nhlrc1,Wscd2,Atp6v0a1,Rabac1,Lmna,Yif1a,Aph1a
mmu-miR-30c-1*	40(776)	1,19E-07	Copg,Kif27,Ascc2,S100a1,Fahd2a,Smpdl3a,R74862,Clstn1,Prss36,Ppapdc3,Vps39,Copz2,Rarres2,Dhrs1,Tmco3,Arnt,Txnrd3,Arl2,Ypel3,Shank3,2700078K21Rik,Nupr1,Ly6c1,Ing4,Gdap2,Pde6d,Ctsb,Slc25a39,Ptprm,Itfg3,Csrp2,Mras,1810046J19Rik,Tom1l2,Slamf9,Atp6v0a1,1810030N24Rik,Wdr7,Cacna1b,1700094D03Rik
mmu-miR-323-5p	42(776)	1,23E-07	Ppp1r16a,Zfand3,Cat,Pef1,Tmem41a,Magi3,Rbms2,Habp4,Dscr3,Clstn1,Smad6,Tgfb2,F630110N24Rik,Copz2,Tbc1d22a,Tor3a,Pld1,Vps8,Anxa3,Sepw1,Myo6,Galns,Arl2,Tcn2,Impdh1,P4ha2,Ascc1,Dusp8,Fabp3,Garnl3,Mlycd,Pde4dip,Rab7l1,Asb1,Ufc1,Htatip2,Adamtsl4,Kif3a,Gas6,Uchl1,Cacna1b,2810428I15Rik
mmu-miR-883b-5p	44(776)	1,24E-07	Zfand3,Snap91,2310028O11Rik,Stmn3,Hspa12a,Gyg,Tlr6,Gabarapl2,Rab38,Cobl,Aldh7a1,Sh3bgr,Wnt9a,D16H22S680E,Fn1,Cyp4v3,Sync,Trpv4,Iqsec2,Crybb3,Amhr2,Myadm,Adcy9,1810020D17Rik,Vps8,Anxa3,Skap2,Ttc15,Slc9a6,Gp1bb,Cables1,Lims2,Glt8d1,2310046K01Rik,1300010F03Rik,BC029214,Asb1,Glipr1,Hck,Dpm2,Cdkn1a,Acaa1a,Zfp704,Tmem9b
mmu-miR-693-3p	40(776)	1,40E-07	Ppp1r16a,Rab4b,Elmo2,Ehd1,Emilin2,Clstn1,Nudt13,Nfs1,Creb3,Trappc6a,Dynlrb1,Akap13,Adcy9,BC027231,Skap2,Arl2,Dusp8,Deb1,Ppm1h,Ccdc80,Anxa1,Vdac1,Nkiras2,Pcyt1a,Ctsb,Hgsnat,Srp14,Isca2,Mrpl55,Tanc2,Ufc1,Itfg3,Scarb2,Fbxw4,Wdr7,Rabac1,Pcsk6,Zfp704,Nagk,Shroom3
mmu-miR-666-3p	41(776)	1,55E-07	Zfand3,Yif1b,Usp2,Adc,Dhrs3,Nt5m,Krt80,Inpp5a,Hdlbp,Trpv4,Nudt13,Slc35a2,F630110N24Rik,Armc8,Rragc,Arl2,Itgb1bp1,Arhgef12,Tom1,Impdh1,Snta1,St3gal5,Mocs2,Ttll7,Bbs5,Ing4,Nenf,Npdc1,Asb1,Sema3f,Hck,BC046404,Dpm2,Ckm,Gas6,1500011K16Rik,Fbxw4,Rabac1,Slc2a8,Pcsk6,Dmpk
mmu-miR-30e*	39(776)	1,69E-07	Sqrdl,Adc,Prss29,Cyp4v3,Cd248,Dusp3,Calml4,Sepw1,Myom2,Tob1,Ndufa10,Mtap6,Idua,Dusp8,Lrrc57,Iscu,Deb1,Ccdc80,Lrch1,Bbs5,Sned1,Nol3,Pde6d,Pltp,Mtm1,Slc26a11,Acyp2,Asb1,Nr2c1,Ptprm,Mxra7,Vps24,Cpa6,BC004004,Adamtsl4,Gas6,Slamf9,1810030N24Rik,Cox6b1
mmu-miR-676	37(776)	1,88E-07	Zfand3,Pmp22,Cox4nb,Trpc7,Alg14,Lrrc51,Rras,Atp6v0e,Atp6v1e1,Cd248,F630110N24Rik,Dusp3,Copz2,Dgkg,Slc31a2,5830405N20Rik,Rasl12,Grina,Ypel3,L1cam,Rell2,2310046K01Rik,Nupr1,Naga,Vnn1,BC089491,Mustn1,Ankrd29,Slc41a3,Acyp1,Cog6,2900026A02Rik,Cdkn2b,Igbp1,Atp6v0a1,Stxbp1,1700094D03Rik
mmu-miR-744	42(776)	1,89E-07	Ahnak2,Adc,Rab4b,Lrrc51,Elmo2,Emilin2,Creb3,F630110N24Rik,Pigz,Sepw1,Cacna1g,Myo6,Ephb3,Gstm2,Arl2,Tcn2,Ndufa10,Itgb1bp1,Zbtb4,Pbxip1,2700078K21Rik,Snta1,Rdh12,Plcb1,4930523C07Rik,Pde4dip,Zfand2b,Uqcrq,Ptprm,1110034G24Rik,1810046J19Rik,Ckm,Fbxw4,Scn1b,Atp6v0a1,Camkk1,Rabac1,Pcsk6,Cox6b1,Uchl1,Mtus1,2810428I15Rik
mmu-miR-449c	41(776)	2,07E-07	Ifi35,Thra,Pmp22,Zdhhc4,Tcta,Magi3,Fbxo9,Nt5m,Hexa,Rras,Slc16a9,Nfs1,Vps39,Akap13,1110007C09Rik,Trpt1,Cry2,Ttc15,Pdgfc,Gstm2,Suox,Galns,Rora,Shank3,St3gal5,Mocs2,Mfap5,Fabp3,Rell2,1300010F03Rik,Def8,Acyp2,Tex264,Cog6,Mras,Tom1l2,Wscd2,Scn1b,Tubb2a,Zfp704,1700094D03Rik
mmu-miR-145	39(776)	2,23E-07	Snap91,Copg,Fahd2a,Nt5m,Fem1a,D16H22S680E,Nudt13,Loxl1,Nfs1,Vps39,Slc35a2,Lhfpl2,Myo6,Rora,Cspg4,Myeov2,Slc35b1,C1qtnf6,Nudt7,Lrrc57,Nrip3,Lims2,Pik3ip1,Ccdc80,1110030E01Rik,Rdh12,Slc22a4,Os9,Abtb2,Npdc1,Lrp4,Atp6v0b,BC046404,1810027O10Rik,Dpm2,Csrp2,Cpeb1,Mdfic,Lrsam1
mmu-miR-764-3p	40(776)	2,24E-07	Sqrdl,Yif1b,Copg,Plb1,Slc6a7,Prss29,Rras,Wnt9a,Scrn1,Atp6v1e1,Crybb3,Copz2,Renbp,Trpt1,Arnt,Txnrd3,2900010M23Rik,Tpcn1,Tob1,Snta1,2310046K01Rik,Ing4,Naga,S100a16,Gpc4,Lrp4,Atp6v0b,Sorbs3,Sirt2,Hck,1110034G24Rik,Cox6a2,Igfbp2,Scn1b,Tmub2,Chst12,Pcsk6,Uchl1,Dmpk,Shroom3

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-877	35(776)	2,52E-07	Copg,Sgca,Tcta,Rab4b,Rab3d,Sh3bgr,Cd81,Caml,Iqsec2,Slc7a7,Adcy9,Pld1,Pigz,Ccny,AI317395,Mkrn1,Gstm2,Qpct,Tcn2,Slc35b1,Rapsn,Lims2,Pon3,Fabp3,Tollip,Tanc2,Slc41a3,Nr2c1,Vps24,Cbara1,Ckm,Slc25a35,Gas6,2610019F03Rik,Cox6b1
mmu-miR-124	43(776)	2,56E-07	Pank2,Mrc2,Ugp2,Dtx2,Ascc2,Rras,Dscr3,AI593442,Trpv4,Klf15,Tbcd,Abcd1,Adcy9,Trpt1,Dhrs1,Skap2,Slc31a2,Lgals9,Synpo,Suox,Trappc2l,Gstk1,Chrd,Hsd3b3,P4ha2,Snta1,2700078E11Rik,Grik2,Mlycd,Ing4,Mtm1,Grk4,Impact,Cyb5,Slc25a39,Ptprm,Sema3f,Hck,BC046404,Htatip2,Itfg3,Tbc1d14,Cacna1b
mmu-miR-99b	38(776)	2,62E-07	Maob,Slc6a7,Alg14,Cd81,Znrf2,Abcb6,Kif1c,F630110N24Rik,Amhr2,Tmco3,Cdc42ep2,Hoxa1,Atp2a3,Tcn2,Wisp2,Rora,Zbtb4,Impdh1,Ppt2,Serpinb9b,Pik3ip1,Zmat2,Sned1,Nol3,Ankrd29,Pde4dip,Atp6v0b,App,Ahnak,Tmed8,Fzd8,Ptprm,Ckm,Tpp1,Igfbp2,Scn1b,Mtus1,Shroom3
mmu-miR-34b-5p	42(776)	2,68E-07	Dym,Ecm1,Rpl17,Fbxo9,Nt5m,Hexa,Sh3bgr,Rras,Sync,Nudt13,Nfs1,Vps39,9430038I01Rik,Ttc15,Tpcn1,Trim36,Suox,Arl2,Nfe2l1,Pbxip1,Bphl,Ppt2,Serpinb9c,Nrip3,Glt8d1,Rell2,Bbs5,Mtcp1,Plcb1,Ankrd29,Pde4dip,Acyp2,Tex264,Ptprm,Itfg3,Cog6,Mras,Acaa1a,Nhlrc1,Wscd2,Zfp704,1700094D03Rik
mmu-miR-194	40(776)	2,71E-07	Pank2,Kif27,Gyg,Fahd2a,Rab4b,Tlr4,Nt5m,Sh3bgr,Emilin2,Cd81,Sync,Atp6v1e1,Tbcd,Adcy9,Vps8,2010003O02Rik,Hsd3b3,Itga9,Stard6,Slc9a6,Bphl,Ppt2,Nudt7,Tmem175,Psen2,Adamtsl5,Os9,Dner,Isca2,BC029214,Glo1,Tbccd1,Nr2c1,Ufc1,1110034G24Rik,Kif3a,Hadhb,Fzd6,Rabac1,Uchl1
mmu-miR-337-5p	38(776)	3,12E-07	Ppp1r16a,Dym,Zfand3,Thra,Cat,Slc6a7,Tmem41a,Rab4b,Aldh7a1,Emilin2,Dscr3,Vps39,Ank2,Slc35a2,Tbcd,Skap2,Ndel1,Ndufa10,Slc9a6,Rapsn,P4ha2,Iscu,Ppm1h,Tmem154,Itpr2,Dopey2,Dner,Plcb1,BC029214,Abhd5,Pcbd2,Rab7l1,Slc25a39,Htatip2,Ckm,Gdap1,Tbc1d9b,1700021C14Rik
mmu-miR-139-5p	41(776)	3,27E-07	Ppp1r16a,Zfand3,Thra,Map3k8,Slc6a7,Adc,Dhrs3,Trpc7,Nt5m,Rab11fip5,Emilin2,Inpp5a,Neu1,Lmbr1,Guk1,Qpct,Impdh1,Myeov2,Sec22c,Tmem175,Rell2,Psen2,Hbxip,Dopey2,Tollip,Plcb1,Sh2d4a,Pxmp4,Gpc4,Rab7l1,Tbccd1,Uqcrq,Ssfa2,Fbn2,Acyp1,Cog6,1810030N24Rik,2610019F03Rik,Mdfic,Vps29,1700094D03Rik
mmu-miR-693-5p	42(776)	3,74E-07	Stmn3,Slc6a7,Rbms2,Abcb6,Prss36,Nfs1,Atp6v1e1,Trappc6a,Iqsec2,Slc35a2,Renbp,Pld1,Btf3l4,Lyplal1,Lyrm1,Ero1l,Sepw1,Ypel3,Shank3,P4ha2,Ppt2,Ascc1,Nudt7,Nrip3,Fabp3,Mlycd,Vdac1,Dner,Ctsb,0610037L13Rik,Srp14,Slc41a3,Cyb5,Tmbim1,Glipr1,1810046J19Rik,Scarb2,Stx7,Pcsk6,Ltbp3,Uchl1,Aldh3a2
mmu-miR-31	39(776)	3,84E-07	Dtx2,Pef1,Ascc2,Tmem41a,Rras,Abcb6,Cyp4v3,Loxl1,Vps39,Slc35a2,Lyrm1,Dhrs1,Myom2,Herpud2,Lnx1,Ypel3,2700078K21Rik,Mtap6,Wwp2,Ppt2,Serpinb9c,Nrip3,Zdhhc8,Nkiras2,Atg7,Triap1,Grk4,Ahnak,Rab7l1,Asb1,Vps24,Trp53inp2,Cdh7,1110034G24Rik,Igbp1,Atp6v0a1,Tbc1d9b,Atp10d,Shroom3
mmu-miR-17	43(776)	3,84E-07	Map3k8,Adc,D16H22S680E,Smad6,Caml,Loxl1,Creb3,Armc8,Dok4,Mapk4,Rora,Pbxip1,Nudt7,Idua,St3gal5,Dusp8,2700078E11Rik,Serpinb9b,Mfap5,Htra3,Adamtsl5,Bbs5,Ing4,Ntn4,Dbp,Mmab,App,Ahnak,Tmed8,Clip4,Synpo2,Nr2c1,Chmp4c,Ufc1,Fbxl20,Cbara1,Acaa1a,Nhlrc1,Uchl1,Zfp704,Atp10d,Nagk,Ankrd44
mmu-miR-742	38(776)	4,11E-07	Gtf2h5,Sqrdl,Map3k8,Col14a1,Prss29,Crot,Coq10a,Fbxo9,Fem1a,Sh3bgr,Atp6v0e,Wnt9a,Smad6,Cyp4v3,Tmem64,Nfs1,Lyplal1,Ankra2,Zbtb4,Stard6,C1qtnf6,P4ha2,Fabp3,Gdap2,5530400B01Rik,Pde6d,Atp6v0b,Def8,Slco3a1,Uqcrq,Ikbkg,BC046404,Mras,Nudt18,Wscd2,Cyb5r3,Lmna,Ltbp3
mmu-miR-105	39(776)	4,86E-07	Gtf2h5,Sgca,Kif27,Mpv17,Lactb2,Alg14,Elmo2,Napb,Kcnn1,Trpv4,Crybb3,Dab2ip,Myo6,Dok4,Tcn2,Ypel3,Pbxip1,C1qtnf6,Serpinb9b,Ulk2,Slc22a4,Os9,Akap4,Mtm1,Atp6v0b,Glo1,Rab7l1,Ptprm,Ikbkg,Chmp4c,Csrp2,Mras,Sh3tc2,Cdkn1a,Cox6a2,Hadhb,Cpeb1,Wdr7,Uchl1
mmu-miR-29a	44(776)	5,02E-07	Rnf13,Copg,Ccdc126,Slc37a4,Pmp22,Adc,Arvcf,Gpx4,Smpdl3a,Hexa,Sh3bgr,Habp4,Emilin2,Abcb6,Smad6,Trpv4,Tgfb2,Vps8,Ephb3,Myom2,Dok4,Tpcn1,Pdgfc,Chrd,Impdh1,Asah1,Mfap5,Ccdc80,9130011J15Rik,Ing4,Grk4,Sh3glb1,Atp6v0b,Abhd5,Klf2,Tanc2,Chmp4c,Sh3tc2,Dhps,9930013L23Rik,Gas6,Cpeb1,Tubb2a,Dusp22
mmu-miR-152	41(776)	5,36E-07	Dym,Snrpn,Gabarapl2,Hexa,Sh3bgr,Lamb2,Mtmr3,Sgcb,Rragc,5830405N20Rik,Gstm2,Suox,Galns,Grina,Ypel3,Pbxip1,Ascc1,Nudt7,Nrip3,Akap4,Dner,Mtm1,Gpc4,Ankrd29,Srp14,Pde4dip,Atp6v0b,Acyp2,Slc2a6,Cdh7,Mras,Sh3tc2,Stx7,Cdkn2b,Slamf9,Rhoj,1810030N24Rik,Zfp704,Dmpk,Tmem9b,1700094D03Rik
mmu-miR-7a	38(776)	5,54E-07	Bri3,Cat,Smpdl3a,Insig2,Lrrc51,Rab38,Sh3bgr,Atp6v1e1,Creb3,Tgfb2,Ank2,Pld1,Camk1,Sepw1,Tpcn1,Herpud2,Tcn2,Grina,Shank3,Nudt7,Slc6a8,Hbxip,Bbs5,Pcyt1a,Pltp,4930523C07Rik,Pxmp4,Atp6v0b,Slc25a39,Nr2c1,Cog6,Tpp1,Tmub2,Limch1,Uchl1,1700094D03Rik,Atp10d,Shroom3
mmu-miR-181a-2*	36(776)	5,58E-07	Gtf2h5,Wdr47,Pmp22,Cox4nb,Tmem41a,Tmem135,Habp4,Ehd1,Fn1,Sync,F630110N24Rik,Pld1,Vps8,Qk,Calml4,Rragc,Gstm2,Galns,Nfe2l1,Riok3,Adar,Garnl3,Nkiras2,Triap1,2010111I01Rik,Isca2,Zfand2b,Tanc2,Uqcrq,Ptprm,Scarb2,Slc25a35,Tmem38a,Limch1,Aldh3a2,Shroom3
mmu-miR-324-3p	42(776)	5,79E-07	Mrc2,Stmn3,Hadha,Birc7,Klhl18,Hexa,Rbms2,Habp4,D16H22S680E,Rab40b,Loxl1,Kif1c,Slc7a7,Abcd1,Pld1,Cry2,Myom2,Tpcn1,Nfe2l1,Impdh1,Man2b1,Mtap6,Ascc1,Megf6,Cdk5,Rell2,Mlycd,S100a13,Ing4,S100a16,4930523C07Rik,Pxmp4,Slc41a3,Sema3f,Chmp4c,1110034G24Rik,Cox6a2,1810046J19Rik,9930013L23Rik,Igfbp2,Scn1b,Chpt1
mmu-miR-92a*	34(776)	6,52E-07	Pank2,Ecm1,Adc,S100a1,Rab4b,Rras,Elmo2,Stam2,Clstn1,Slc44a1,Sepw1,Repin1,Gstm2,Ccdc64,Arl2,Tcn2,Grina,Shank3,Mfap5,Adar,Rell2,Os9,Ly6c1,Tollip,Pltp,Dbp,Atp6v0b,Ckm,Slamf9,Scn1b,Chst12,Slc2a8,Uchl

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
			1,Dmpk
mmu-miR-125b*	35(776)	6,86E-07	Rab43,Cat,Smpdl3a,Slc22a18,Rab3d,Aldh7a1,Habp4,Krt80,Tgfb2,Arnt,Ttc15,Dok4,Tpcn1,Snta1,Cables1,Ttll7,Ccdc80,Glt8d1,Rell2,Slc22a4,Srp14,Slc26a11,1300010F03Rik,Cyb5,Tex264,Ptprm,Ikbkg,Trp53inp2,Cog6,Csrp2,1810046J19Rik,1500011K16Rik,Yif1a,Tmem9b,1700094D03Rik
mmu-miR-680	38(776)	7,06E-07	Ahnak2,Thra,Yif1b,Kif27,Adc,Sema3b,Nt5m,Sh3bgr,4833439L19Rik,Creb3,Cd248,Trappc6a,Slc35a2,Tmem87b,Sepw1,Ephb3,Gstm2,Ccdc64,Ndufa10,Dlg2,Wisp2,Zbtb4,Cspg4,L1cam,Pbxip1,Wwp2,P4ha2,Ppt2,Pik3ip1,Itpr2,Ly6c1,Mtcp1,Mustn1,Dbp,BC029214,Fzd8,1810046J19Rik,Mtss1
mmu-miR-20a	41(776)	7,38E-07	Ugp2,Kif27,Slc6a7,Adc,Crot,Smad6,Caml,Neu1,Creb3,Ank2,Armc8,2010003O02Rik,Rora,Pbxip1,Nudt7,Idua,St3gal5,Dusp8,2700078E11Rik,Serpinb9c,Serpinb9b,Mfap5,Htra3,Adamtsl5,Ing4,Ntn4,Srp14,App,Ahnak,Clip4,Rab7l1,Nr2c1,Chmp4c,Ufc1,Cbara1,Acaa1a,Mdfic,Uchl1,Zfp704,Nagk,Ankrd44
mmu-miR-449a	39(776)	8,95E-07	Tcta,Magi3,Fbxo9,Hexa,Rras,Mtap1a,Nudt13,Nfs1,Vps39,1110007C09Rik,Trpt1,Lyplal1,Ttc15,Suox,Galns,Arl2,Zbtb4,Tom1,Ppt2,St3gal5,Mocs2,Nrip3,Mfap5,Fabp3,Rell2,Mtcp1,4930523C07Rik,1300010F03Rik,Chid1,Acyp2,Asb1,Tex264,Cog6,Mras,Wscd2,Rhoj,Scn1b,Tubb2a,1700094D03Rik
mmu-miR-689	37(776)	9,68E-07	Ifi35,Thra,2310028O11Rik,Cd81,Kcnn1,Ppapdc3,Upk3b,Iqsec2,F630110N24Rik,Dusp3,Pigz,Grina,Arhgef12,Gp1bb,Ppt2,Pde6d,4930523C07Rik,Dbp,Ankrd29,Npdc1,Lrp4,Tm9sf4,Slc39a14,Sorbs3,Sirt2,Cyb5,Fzd8,Sema3f,Fbxl20,1110034G24Rik,BC004004,2900026A02Rik,Cdkn1a,Slamf9,Scn1b,Ltbp3,Dmpk
mmu-miR-290-5p	40(776)	9,80E-07	Crat,Zfand3,Commd8,Rab4b,Fem1a,Znrf2,Hist2h2bb,Hdlbp,Loxl1,Cd248,Slc35a2,Vps8,Btf3l4,Slc44a1,Tcn2,Zbtb4,L1cam,Man2b1,Asah1,Tmem154,Glt8d1,Dner,Plcb1,Pxmp4,Gpc4,Zfand2b,Gabarap,Mrpl55,Fzd8,Tuba8,Fbxl20,BC004004,Acyp1,Dhps,1810046J19Rik,1810030N24Rik,Slc2a8,Limch1,Shroom3,Ankrd44
mmu-miR-133a	39(776)	1,24E-06	Mrc2,Eif5a2,Sqrdl,Adc,Slc39a3,Rras,Clstn1,Ppapdc3,Slc35a2,F630110N24Rik,Akap13,Gramd3,Klk1b4,Txnrd3,Appl2,Guk1,Arl2,Grina,Cspg4,Ehd3,Serpinb9b,Nrip3,Ttll7,Iscu,Rell2,Garnl3,Rdh12,Slc22a4,Atg7,Ahnak,Slc2a6,Serf2,Dpm2,Csrp2,Scarb2,Gas6,Slamf9,Cacna1b,2810428I15Rik
mmu-miR-106a	40(776)	1,25E-06	Map3k8,Usp2,Adc,Smad6,Caml,Armc8,Myom2,2010003O02Rik,Herpud2,Ndel1,Rora,Stard6,Pbxip1,Nudt7,St3gal5,Dusp8,2700078E11Rik,Mmaa,Htra3,Ing4,Ntn4,Dbp,Galc,App,Ahnak,Clip4,Chmp4c,Ufc1,Fbxl20,Arhgap1,Cog6,Clcn7,Cbara1,Acaa1a,1500011K16Rik,Uchl1,Zfp704,Atp10d,Nagk,Ankrd44
mmu-miR-717	37(776)	1,39E-06	Fech,Thra,Tssc4,Stmn3,9030409G11Rik,Caml,Cd248,F630110N24Rik,Vps8,Skap2,Arnt,Slc31a2,Tpcn1,Gstm2,Guk1,Wisp2,Myeov2,Aldh6a1,P4ha2,Ehd3,Add3,Glt8d1,Tmem175,S100a16,Hgsnat,Npdc1,Mrpl55,Acyp2,Uqcrq,Sema3f,Mras,Scarb2,Rabac1,Ltbp3,Uchl1,Vps29,1700094D03Rik
mmu-miR-188-5p	38(776)	1,64E-06	1300014I06Rik,Ppp1r16a,Zfp78,Dtx2,Slc6a7,Tmem41a,Tlr6,Abcb6,Stam2,Loxl1,Cd248,Trappc6a,Slc7a7,Adcy9,Sgcb,Camk1,Gpr133,Cacna1g,Myo6,Suox,Arl2,Slc35b1,Lrrc57,Vdac1,Slc22a4,Itpr2,Hgsnat,Gabarap,Ahnak,Uqcrq,Cdh7,Itfg3,Ckm,Acaa1a,Afap1l2,Atp6v0a1,Limch1,Atp10d
mmu-miR-883a-3p	40(776)	1,76E-06	Ugp2,Snap91,Bri3,Sgca,Hadha,Adc,Tmem41a,Nt5m,Wnt9a,Rab40b,Fn1,Clstn1,Akap13,Renbp,Fstl1,BC027231,Anxa3,Skap2,Ttc15,Wisp2,Stard6,Impdh1,Mocs2,Iscu,Trak1,Naga,Ctsb,Adamts2,Atp6v0b,Sstr4,Sirt2,1110034G24Rik,Clcn7,1810046J19Rik,Acaa1a,Scarb2,Fbxw4,Rhoj,Hint3,Atp10d
mmu-miR-302b	38(776)	2,18E-06	Ifi35,Maob,Magi3,Glrb,Emilin2,Loxl1,Dhrs1,Ttc15,Rragc,2010003O02Rik,Dlg2,Nudt7,2700078E11Rik,Serpinb9b,9130011J15Rik,S100a13,Akap4,Triap1,Pxmp4,Impact,1810037I17Rik,Clip4,Rab7l1,Synpo2,Nr2c1,Ikbkg,Ufc1,BC004004,Csrp2,Mras,Sh3tc2,Cdkn1a,Tpp1,Wdr7,Uchl1,Zfp704,1700094D03Rik,Ankrd44
mmu-miR-291a-3p	40(776)	2,30E-06	Camk4,Magi3,Crot,Smad6,Loxl1,Crybb3,Dab2ip,Ttc15,Txnrd3,Dlg2,Arhgef12,Nudt7,St3gal5,2700078E11Rik,Serpinb9b,Ehd2,Glt8d1,9130011J15Rik,Ing4,Tollip,Impact,Lrp4,Ahnak,Clip4,Rab7l1,Uqcrq,Nr2c1,Ikbkg,Ufc1,Csrp2,Sh3tc2,Acaa1a,Nhlrc1,Wdr7,Uchl1,Zfp704,Immp1l,Atp10d,Mtss1,Ankrd44
mmu-miR-224	38(776)	2,36E-06	Rnf13,Adc,Fbxo9,Smpdl3a,Alg14,Slc22a18,Ehd1,Wnt9a,Dscr3,Kcnn1,Nfs1,Ank2,Mrgprf,Tmco3,Qk,Atp2a3,Nipa1,Ypel3,L1cam,Idua,St3gal5,Itpr2,Apba1,Plcb1,Mtm1,Gpc4,Atp6v0b,Rab7l1,Kif13b,Ikbkg,Hck,Ssfa2,Csrp2,Cdkn1a,Dusp22,Tmem9b,Atp10d,Aldh3a2
mmu-miR-532-3p	39(776)	2,36E-06	Ppp1r16a,Mrc2,Maob,Adra1b,Usp2,Kif27,Slc6a7,Dhrs3,Selm,Rras,Clstn1,Prss36,Upk3b,Mtmr3,Tgfb2,Crybb3,F630110N24Rik,Pld1,Tmem87b,Ptplad2,Arnt,Ankra2,Slc31a2,Cacna1g,Lgals9,Zbtb4,Slc9a6,St3gal5,Cdk5,Atg4a,Npdc1,App,Spata21,Hck,Acaa1a,Wscd2,Scn1b,Chst12,Aph1a
mmu-miR-351	37(776)	2,36E-06	Ppp1r16a,Pank2,Oit3,Stmn3,Plb1,Kif27,Cd81,Abcb6,Dusp3,Adcy9,1700009P17Rik,Slc46a3,Ypel3,Shank3,Rapsn,Glt8d1,Psen2,Mlycd,Ing4,Dopey2,Pxmp4,Ankrd29,Npdc1,Lrp4,BC029214,Mrpl55,Kif13b,Synpo2,Ikbkg,Hck,Itfg3,Sh3tc2,Slc25a35,Slamf9,Fbxw4,Ltbp3,Atp10d
mmu-miR-665	36(776)	2,89E-06	Stmn3,Slc6a7,Prss29,Rras,Dscr3,Krt80,Klf15,Slc35a2,Pld1,Sepw1,Cacna1g,Lgals9,Hsd3b3,Wisp2,Nfe2l1,Pbxip1,Snta1,Ascc1,Deb1,Adar,Akap4,Ahnak,Tex264,Htatip2,Itfg3,Arhgap1,Sparc,Mras,Cox6a2,Ckm,Mtss1,Scarb2,Tom1l2,Atp5e,Chst12,Slc2a8

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-125a-5p	40(776)	2,96E-06	Ppp1r16a,Pank2,Plb1,Kif27,Kremen1,Rab38,Upk3b,Vps39,Mtmr3,Tgfb2,Amhr2,Akap13,Adcy9,Dgkg,Klk1b4,Dhrs1,Slc46a3,Gpr133,Grina,Shank3,Tom1,Rapsn,P4ha2,Capn5,Rell2,Vnn1,Zfand2b,Slc2a6,Ikbkg,Hck,Itfg3,Acyp1,Sh3tc2,Slc25a35,Fbxw4,Tmem38a,1700021C14Rik,Pcsk6,Ltbp3,Mtus1
mmu-miR-345-5p	37(776)	3,06E-06	Mrc2,Zfand3,Thra,Tssc4,Sgca,Kif27,Pef1,Slc6a7,Tcta,Magi3,Dhrs3,Atp6v1e1,Tor3a,Ptplad2,Mxra8,Ttc15,Galns,Farp2,Chrd,Shank3,4933439F18Rik,Nfe2l1,Cspg4,Snta1,Idua,Adar,S100a16,Plcb1,Tm9sf4,Nr2c1,Ufm1,Cbara1,9930013L23Rik,Slamf9,Scn1b,Cacna1b,Npc1
mmu-miR-764-5p	38(776)	3,06E-06	Ahnak2,Plb1,Ascc2,Hexa,Elmo2,Sync,Renbp,Armc8,Pigz,Slc46a3,Arnt,2900010M23Rik,Pdgfc,Trim36,Arl2,Tcn2,Snta1,Htra3,Tmem175,Slc22a4,S100a13,Akap4,Galc,1300010F03Rik,Pdia5,Clip4,Rab7l1,Hck,Chmp4c,Clcn7,Cox6a2,Tom1l2,Igfbp2,Tmub2,Limch1,Pcsk6,Uchl1,Atp10d
mmu-miR-18b	38(776)	3,18E-06	Ccdc126,Cox4nb,Ascc2,Cyp27a1,Rras,Wnt9a,D16H22S680E,Inpp5a,AI593442,Smad6,Myadm,Tbcd,Akap13,Slc7a7,Clip1,Fbxl2,Synpo,Herpud2,Arhgef12,Slc35b1,Dusp8,Glt8d1,Rell2,Adamtsl5,Ctsb,Abtb2,Necap2,Srp14,Ikbkg,Ufc1,1110034G24Rik,Cpa6,Itfg3,Acaa1a,Cpeb1,Uchl1,Yif1a,Nagk
mmu-let-7d*	37(776)	3,19E-06	Pank2,Zfand3,Dtx2,Iah1,Col14a1,Sgca,Slc37a4,Sh3bgr,Abcb6,AI593442,Caml,Atp9b,Renbp,Slc7a7,Pld1,Btf3l4,Myom2,Synpo,Gdf15,Mtap6,Pon3,Fabp3,Psen2,Trak1,Plcb1,Ctsl,App,Tbccd1,Ssbp2,Sema3f,Ufc1,Igfbp2,Esrrb,Rit1,Wdr7,Dusp22,Zfp704
mmu-miR-200a	40(776)	3,19E-06	Ugp2,Lgr4,Gyg,Crot,Rab38,Fn1,Cyp4v3,Upk3b,Lamb2,Vps39,Akap13,Lyplal1,Lmbr1,Tmco3,Riok3,P4ha2,Ppt2,Ascc1,Nudt7,St3gal5,Lrrc57,2700078E11Rik,Nrip3,Ppm1h,Ccdc80,Slc35c2,Pltp,1300010F03Rik,Tanc2,Cyb5,6530401N04Rik,Asb1,Ssfa2,1810046J19Rik,Daglb,9930013L23Rik,Wdr7,1700094D03Rik,Npc1,Chpt1
mmu-miR-96	38(776)	3,20E-06	Ahnak2,Rpl17,Pef1,Magi3,Insig2,Elmo2,Abcb6,Neu1,Cd248,Tgfb2,Lyplal1,Anxa3,Myom2,Lnx1,Gp1bb,Ccdc80,Garnl3,Itpr2,Ntn4,Vnn1,Pltp,Ctsb,Ankrd29,Cryab,Tm9sf4,Tsc22d3,Zfand2b,Ahnak,Mrpl55,Cyb5,Slc2a6,Vps24,1110034G24Rik,Igbp1,Cpeb1,C1qtnf1,Hhip,Ankrd44
mmu-miR-196a	39(776)	3,25E-06	Pank2,Crat,Ahnak2,Dtx2,Col14a1,Mpv17,Trpc7,Habp4,Fn1,Atp6v1e1,Dynlrb1,Gng5,Lmbr1,Lama2,Alkbh6,Ttc15,2900010M23Rik,Suox,Arl2,Slc9a6,Myeov2,Bphl,Riok3,Dusp8,Ergic3,Cdk5,Deb1,Anxa1,Def8,Ahnak,Ugt2b36,Uqcrq,Glipr1,Cpa6,Csrp2,Mras,Tyrp1,1810046J19Rik,Hint3
mmu-miR-29c	41(776)	3,39E-06	Copg,Ccdc126,Slc37a4,Pmp22,Adc,Arvcf,Smpdl3a,Hexa,Sh3bgr,Habp4,Emilin2,Abcb6,Smad6,Trpv4,Tgfb2,Vps8,Ephb3,Dok4,Tpcn1,Pdgfc,Chrd,Impdh1,Ascc1,Mfap5,Ccdc80,Fabp3,9130011J15Rik,Ing4,Grk4,Sh3glb1,Adamts2,Abhd5,Klf2,Chmp4c,Sh3tc2,Dhps,9930013L23Rik,Gas6,Cpeb1,Tubb2a,Dusp22
mmu-miR-466c-5p	44(776)	3,65E-06	Adra1b,Copg,Usp2,Plb1,Ecm1,Snrpn,Coq10a,Fbxo9,Insig2,Nt5m,Elmo2,Habp4,Sync,Lamb2,Amhr2,Akap13,Slc46a3,Bmp4,Calml4,Lgals9,Suox,Wisp2,Zbtb4,Man2b1,2700078K21Rik,Nrip3,Hectd3,C330006K01Rik,Rdh12,Slc22a4,Ly6c1,Nol3,Plcb1,Mtm1,Gabarap,Il17d,Ssbp2,Tuba8,ORF63,Acyp1,Mras,Kif3a,Daglb,Tpp1
mmu-miR-205	35(776)	4,08E-06	Acp2,Tssc4,Rab43,Magi3,Gabarapl2,Adamts5,AI593442,Prss36,F630110N24Rik,Slc7a7,Abcd1,1700009P17Rik,Ttc15,Rora,C1qtnf6,Mtap6,Mocs2,Lrrc57,Mfap5,Lims2,Itpr2,Naga,BC089491,Nenf,Plcb1,Abtb2,Grk4,Mrpl55,4930579G22Rik,Fbn2,Mras,Ckm,Igfbp2,Camkk1,Tmem38a
mmu-miR-93	38(776)	4,35E-06	Thra,Kif27,Adc,Tmem41a,Atp6v0e,Smad6,Cyp4v3,Caml,Neu1,Loxl1,Myom2,2010003O02Rik,Pbxip1,Idua,St3gal5,Tmem154,Adamtsl5,Ntn4,Mtm1,Srp14,1300010F03Rik,Gabarap,Ahnak,Clip4,Synpo2,Chmp4c,Ufc1,Arhgap1,Csrp2,Cbara1,Cdkn1a,Acaa1a,Nhlrc1,1500011K16Rik,Uchl1,Zfp704,Nagk,Ankrd44
mmu-miR-151-5p	37(776)	4,37E-06	Thra,Dtx2,Col14a1,Usp2,Ecm1,S100a1,Rbms2,Slc16a9,Clstn1,Trpv4,Nudt13,Iqsec2,Dynlrb1,Gramd3,Rragc,Sepw1,Itgb1bp1,Cspg4,Snta1,Nudt7,Dusp8,Pon3,Fabp3,Serinc3,Ing4,Pde6d,Sorbs3,Clip4,Asb1,Plac9,Nr2c1,Vps24,Clcn7,Slamf9,Chst12,C1qtnf1,Zfp704
mmu-miR-743a	36(776)	4,80E-06	Iah1,Stmn3,Cat,Lgr4,Ascc2,Insig2,Sh3bgr,Iqsec2,Dynlrb1,Ankra2,Npy6r,Myom2,2010003O02Rik,Ctso,Qpct,Stard6,Alas1,P4ha2,Ascc1,Idua,St3gal5,Ulk2,Vnn1,Grk4,Slc26a11,1700016M24Rik,Tanc2,Uqcrq,Ikbkg,Vps24,Chmp4c,Mras,Cpeb1,Rabac1,Cox6b1,Zfp704
mmu-miR-574-5p	36(776)	5,07E-06	Dym,Yif1b,Copg,Plb1,Snrpn,Mpv17,Sh3bgr,D16H22S680E,Emilin2,Creb3,Iqsec2,Vps8,Dhrs1,Lama2,Calml4,Atp2a3,Tpcn1,Dlg2,Gdf15,Man2b1,Nrip3,Lrch1,Rdh12,Tollip,Sh2d4a,Pxmp4,Grk4,1300010F03Rik,Pdia5,Pcbd2,Hck,ORF63,Cox6a2,Kif3a,Lrsam1,Immp1l
mmu-miR-466d-5p	44(776)	6,54E-06	1300014I06Rik,Dym,Adra1b,Copg,Usp2,Plb1,Ecm1,Snrpn,Fbxo9,Alg14,Nt5m,Elmo2,Emilin2,Sync,Tbcd,1110007C09Rik,Armc8,Skap2,Bmp4,Calml4,Lgals9,Suox,Zbtb4,Man2b1,2700078K21Rik,Nrip3,Mmaa,Tmem175,C330006K01Rik,Adamtsl5,Ly6c1,Tollip,Plcb1,0610037L13Rik,Tsc22d3,Il17d,Ssbp2,Hck,Ufm1,Mras,Kif3a,Tpp1,Tbc1d9b,Mtus1
mmu-miR-138	37(776)	6,95E-06	Pank2,Zfp78,Kremen1,Gyg,Magi3,Gpx4,Fbxo9,Fem1a,Ehd1,Clstn1,Prss36,Crybb3,F630110N24Rik,Dgkg,9430038I01Rik,Cacna1g,Arl2,Man2b1,Fabp3,Slc6a8,Ing4,Tollip,Pxmp4,Mtm1,Synpo2,Tex264,Vps24,Tuba8,Csrp2,Cox6a2,Ckm,Igfbp2,Gas6,Wscd2,1700021C14Rik,Pcsk6,2810428I15Rik

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-7b	35(776)	7,22E-06	Gtf2h5,Wdr47,Bri3,Cat,Rpl17,Pef1,Ascc2,Klhl18,Smpdl3a,Insig2,Lrrc51,Sh3bgr,Creb3,Tgfb2,Ank2,Pld1,Herpud2,Tcn2,Grina,Shank3,Nudt7,Slc6a8,Hbxip,Vdac1,Bbs5,Pltp,4930523C07Rik,Pxmp4,Atp6v0b,Slc25a39,Nr2c1,Sparc,Tmub2,Uchl1,Atp10d
mmu-miR-449b	36(776)	7,46E-06	Ahnak2,Col14a1,Tcta,Arvcf,Fbxo9,Hexa,Rras,D16H22S680E,Stk39,Sync,Nfs1,Vps39,Vps8,Slc31a2,Ttc15,Ccdc64,Suox,Arl2,Zbtb4,Tom1,Bphl,Serpinb9c,Nrip3,Lims2,Tmem175,Rell2,Mtcp1,Plcb1,Ankrd29,Pde4dip,Def8,Acyp2,Tex264,Cog6,Sh3tc2,Wscd2
mmu-miR-148b	38(776)	7,58E-06	Mcee,Plb1,Gabarapl2,Sh3bgr,Klf15,Ank2,Sgcb,5830405N20Rik,Myom2,Txnrd3,Grina,Ypel3,Pbxip1,Ascc1,Nudt7,Idua,Nrip3,Akap4,Gpc4,Ankrd29,Pde4dip,Acyp2,Il17d,Slc2a6,Cdh7,Mras,Sh3tc2,Ckm,Cdkn2b,Slamf9,Rhoj,1810030N24Rik,Tmem50b,Zfp704,Dmpk,Tmem9b,1700094D03Rik,3110002H16Rik
mmu-miR-466h	44(776)	9,86E-06	Yif1b,Copg,Usp2,Mcee,Plb1,Ecm1,Rpl17,Snrpn,Zdhhc4,Fbxo9,Alg14,Elmo2,Atp6v0e,Lamb2,D6Wsu163e,Crybb3,Akap13,Armc8,Anxa3,Slc46a3,Calml4,Tpcn1,Man2b1,2700078K21Rik,Nrip3,Hectd3,Tmem175,C330006K01Rik,Slc22a4,Itpr2,Ntn4,Vnn1,Sned1,Slc26a11,Pcbd2,Ssbp2,Serf2,Gpr39,Cox6a2,Tom1l2,Tpp1,Igbp1,Tbc1d9b,Cyb5r3
mmu-miR-106b	36(776)	1,09E-05	Adc,Crot,Smad6,Loxl1,Akap13,Myom2,2010003O02Rik,Rora,Stard6,Pbxip1,Nudt7,Idua,St3gal5,Dusp8,Serpinb9b,Bbs5,Ntn4,App,Ahnak,Clip4,Fzd8,Chmp4c,Ufc1,Arhgap1,Cog6,Csrp2,Clcn7,Cbara1,1810046J19Rik,Acaa1a,1500011K16Rik,Uchl1,Zfp704,Atp10d,Nagk,Ankrd44
mmu-miR-714	36(776)	1,09E-05	Stmn3,Plb1,Prss29,Nt5m,Ehd1,Emilin2,Ppapdc3,Lamb2,Iqsec2,Slc35a2,Dhrs1,Sepw1,Tpcn1,Gstm2,Ypel3,Zbtb4,Myeov2,C1qtnf6,Snta1,Slc35c2,Adamtsl5,Ly6c1,Bbs5,Ing4,Dbp,Necap2,Adamts2,Tex264,Slc25a39,Hr,Tuba8,Adamtsl4,Atp5e,Rabac1,1700094D03Rik,Aph1a
mmu-miR-695	34(776)	1,10E-05	Zfp78,S100a1,Rab4b,Sema3b,Slc22a18,Caml,Vps8,Lyplal1,Pigz,9430038I01Rik,Ap3m2,Dph1,Guk1,Itgb1bp1,Shank3,Impdh1,Slc35b1,Garnl3,9130011J15Rik,Rdh12,Plcb1,Pltp,Srr,Frmpd1,1300010F03Rik,Mrpl55,Il17d,1810027O10Rik,Adamtsl4,Mtss1,Rhoj,Atp6v0a1,Shroom3,Ankrd44
mmu-miR-700	33(776)	1,23E-05	Ap3s1,Yif1b,Usp2,Cyp27a1,Hexa,Atp6v0e,Cd81,Loxl1,Nfs1,Dusp3,Copz2,Renbp,Adcy9,Qk,Sepw1,Trappc2l,Grina,Myeov2,Ergic3,Iscu,Zdhhc8,Psen2,2310046K01Rik,Dbp,Gpc4,Npdc1,Rab7l1,Kif13b,Nhlrc1,2610019F03Rik,Agl,Uchl1,Dmpk
mmu-miR-202-3p	34(776)	1,27E-05	Dtx2,Adra1b,Slc37a4,S100a1,Tmem41a,Smpdl3a,Sh3bgr,Rras,Caml,Tgfb2,Dusp3,Tbcd,Vps8,Gramd3,Tmem87b,Gstm2,Hsd3b3,Tom1,P4ha2,Lims2,Atg7,Pde6d,Ctsb,Sstr4,Slc2a6,Hck,Tuba8,Htatip2,Cpa6,Arhgap1,1810046J19Rik,Tpp1,Slamf9,Uchl1
mmu-miR-331-3p	33(776)	1,37E-05	Pank2,Gtf2h5,Usp2,Sgca,Mal,Sema3b,Hexa,Ppp2r5b,F630110N24Rik,Adcy9,Mrgpre,Synpo,Ypel3,Shank3,Nfe2l1,Cspg4,Impdh1,L1cam,Rell2,S100a16,Pde6d,Hgsnat,Sirt2,Synpo2,Mxra7,Ikbkg,Gpr39,Sh3tc2,Cbara1,Camkk1,Uchl1,Zfp704,Yif1a
mmu-miR-466f-5p	44(776)	1,44E-05	Pank2,Zfand3,Adra1b,Copg,Usp2,Mcee,Mpv17,Fbxo9,Alg14,Insig2,Lrrc51,Elmo2,D16H22S680E,R74862,Lamb2,D6Wsu163e,Creb3,Amhr2,Akap13,Armc8,Slc46a3,5830405N20Rik,Lgals9,Ccdc64,2700078K21Rik,St3gal5,Nrip3,Deb1,Ly6c1,Ing4,Plcb1,Tsc22d3,Ssbp2,Hr,Serf2,Acyp1,2900026A02Rik,Dnajc4,Daglb,Tom1l2,Igfbp2,Lrsam1,Limch1,1700094D03Rik
mmu-miR-20b	37(776)	1,46E-05	Map3k8,Camk4,Adc,Smad6,Caml,Neu1,Creb3,Tbcd,Pbxip1,Nudt7,St3gal5,Dusp8,2700078E11Rik,Serpinb9c,Serpinb9b,Htra3,Adamtsl5,Ing4,Ntn4,Dbp,Srp14,1300010F03Rik,App,Ahnak,Clip4,Synpo2,Chmp4c,Ufc1,Arhgap1,Cbara1,Acaa1a,Mdfic,Uchl1,Zfp704,Atp10d,Nagk,Ankrd44
mmu-let-7i	39(776)	1,50E-05	Dtx2,Col14a1,Mcee,Slc37a4,Coq10a,Tlr6,Nt5m,Sh3bgr,Rras,Elmo2,R74862,Cyp4v3,Trappc6a,Gng5,Lyrm1,Lama2,Skap2,Ankra2,Itgb1bp1,Chrd,Lnx1,Slc35b1,Ascc1,Ttll7,Fabp3,Rell2,Abtb2,Mtm1,Gpc4,Srp14,Isca2,BC029214,App,Def8,1110034G24Rik,6330406I15Rik,Acaa1a,C1qtnf1,Vps29
mmu-miR-532-5p	33(776)	1,61E-05	Thra,Ap3s1,Adra1b,Rab43,Plb1,Arvcf,Sh3bgr,Elmo2,AI593442,Cyp4v3,Trappc6a,Rhbdd1,Cry2,1700009P17Rik,Trappc2l,2700078K21Rik,Slc35c2,Ly6c1,Ing4,Pde6d,Ctsb,Atp6v0b,Atg12,Sirt2,Spata21,Bcmo1,Atp5s,Ikbkg,Vps24,Slc41a2,1810030N24Rik,Yif1a,Atp10d
mmu-miR-341	33(776)	1,82E-05	Acp2,Yif1b,Usp2,Mcee,Kremen1,Magi3,Dhrs3,Selm,Elmo2,Wnt9a,Clstn1,Lamb2,Vps39,Tgfb2,Dab2ip,Vps8,Anxa3,Hexb,Riok3,P4ha2,Snta1,Ascc1,Garnl3,Mtcp1,Abtb2,Rab7l1,Asb1,Ptprm,Slc25a35,Rit1,C1qtnf5,Ltbp3,Aldh3a2
mmu-miR-328	32(776)	1,82E-05	Dym,Sgca,Rab43,Cobl,Ehd1,Cd81,Atp6v1e1,Trappc6a,Kif1c,F630110N24Rik,Clip1,Ephb3,Tcn2,Shank3,Nfe2l1,Cspg4,Rapsn,Nupr1,Vnn1,BC089491,Mtcp1,Dbp,Zfand2b,Spata21,Il17d,Sema3f,Gpr39,Tom1l2,9930013L23Rik,Cdkn2b,Gas6,Lmna
mmu-miR-130a	37(776)	1,84E-05	Dym,Dtx2,Map3k8,Ubl4,Sh3bgr,Habp4,Cd81,Stk39,Gadd45b,Atp9b,D6Wsu163e,Mrgprf,Sgcb,Ankra2,Myom2,Nipa1,Ensa,Slc9a6,Bbs5,Reep3,Akap4,Plcb1,Mtm1,Ankrd29,Srp14,Adamts2,Tanc2,Acyp2,Ptprm,Hadhb,Tpp1,9930013L23Rik,Tbc1d9b,Vps29,Tmem9b,Ankrd44,3110002H16Rik

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-691	33(776)	1,89E-05	Oit3,Copg,Alg14,Hist2h2bb,Trpv4,Amhr2,Akap13,Vps8,Gramd3,1700009P17Rik,Anxa3,5830405N20Rik,Repin1,2010003O02Rik,Rora,Mocs2,Htra3,Deb1,Glt8d1,Psen2,Nkiras2,Vnn1,Sned1,Triap1,Pltp,Gabarap,Kif13b,Nr2c1,Ufc1,Hadhb,Slc2a8,Tubb2a,Ankrd44
mmu-miR-467e	36(776)	1,98E-05	Fech,Cat,Kif27,Commd8,Birc7,Zdhhc4,Gyg,Sh3bgr,Rras,Atp6v0e,Cd81,Dscr3,Sync,Creb3,Calml4,Ttc15,Repin1,Tpcn1,Grina,Farp2,Dlg2,Lnx1,Slc35b1,Nudt7,Serpinb9b,Grik2,Cdk5,Akap4,Dbp,Atg12,Ikbkg,4930579G22Rik,Stx7,Ankrd12,Uchl1,Lrpap1
mmu-miR-30c-2*	34(776)	1,99E-05	Copg,Kif27,Ascc2,S100a1,Fahd2a,Smpdl3a,Clstn1,Prss36,Ppapdc3,Copz2,Rarres2,Clip1,Dhrs1,Tmco3,Arnt,Arl2,Man2b1,Ppt2,Ccdc80,Ly6c1,Pde6d,Plcb1,Ctsb,Dbp,Nr2c1,Mras,1810046J19Rik,Tom1l2,Slamf9,Atp6v0a1,1810030N24Rik,Lmna,Cacna1b,1700094D03Rik
mmu-miR-346	31(776)	2,04E-05	Dym,Tssc4,Adra1b,Sgca,Slc37a4,Adc,Fahd2a,Selm,Insig2,Sema3b,Hexa,Ank2,Slc35a2,F630110N24Rik,Dusp3,Trpt1,1700009P17Rik,Ephb3,Ndel1,Idua,Anxa1,Galnt2,S100a13,Nupr1,Trak1,Ctsb,Zfand2b,Cox6a2,Atp5e,Tmem38a,Aph1a
mmu-miR-149	33(776)	2,07E-05	Mrc2,Thra,Tssc4,Sgca,Mtap1a,Cd81,Gadd45b,Nudt13,Dab2ip,Akap13,Renbp,Vps8,Dok4,Rasl12,P4ha2,Adar,Slc35a2,Vdac1,S100a13,Itpr2,Nupr1,Pde4dip,Klf2,Il17d,Kif13b,Tex264,Slc25a39,Hck,1810027O10Rik,Gpr39,BC004004,Tom1l2,Lrsam1
mmu-miR-153	34(776)	2,11E-05	Ppp1r16a,Sgca,Plb1,Crot,Smpdl3a,Rbms2,Sh3bgr,D6Wsu163e,Dusp3,Dab2ip,Armc8,Gramd3,Slc46a3,Qk,Ankra2,Dlg2,Bphl,Idua,Lrrc57,Lrch1,Tmem175,Fabp3,Mtcp1,Grk4,Srp14,Atp6v0b,App,Uqcrq,Slc2a6,Chmp4c,Igbp1,Fzd6,Satb1,Ankrd44
mmu-miR-486	36(776)	2,15E-05	Birc7,Tmem41a,Higd1a,Elmo2,Abcb6,Sync,Vps39,Slc35a2,Amhr2,Fstl1,Armc8,Tmem87b,Ankra2,Tob1,Ndel1,Itga9,Tom1,C330006K01Rik,Atg4a,Rdh12,5530400B01Rik,Tollip,Abtb2,Gpc4,Slc26a11,1300010F03Rik,Atp6v0b,Tbccd1,Cdh7,Cog6,Cbara1,Igfbp2,Slamf9,1500011K16Rik,Chst12,1700094D03Rik
mmu-miR-28	32(776)	2,28E-05	Sgca,Stmn3,Kif27,Mal,Tmem41a,Rbms2,Elmo2,Lamb2,Iqsec2,Dynlrb1,Lmbr1,Clip1,Arnt,Mxra8,Sepw1,Qpct,Ndel1,Itgb1bp1,Ppt2,Nudt7,Cdk5,S100a16,Ahnak,Clip4,Rab7l1,Gstp1,1110034G24Rik,Mras,Fbxw4,Slc2a8,Pcsk6,Aldh3a2
mmu-miR-25	37(776)	2,29E-05	Ugp2,Sgca,Lgr4,Adamts5,Smad6,Serpinb6c,Slc35a2,Dgkg,Gramd3,Anxa3,Slc31a2,Ap3m2,Tob1,Herpud2,Riok3,Asah1,Mfap5,Ccdc80,Tmem154,Ing4,4930523C07Rik,Mtm1,2010111I01Rik,Sirt2,Klf2,Cxcr7,Hck,Dpm2,Fbn2,Cbara1,Dnajc4,Cdkn2b,Igbp1,1700021C14Rik,Mdfic,Dusp22,Atp10d
mmu-miR-429	35(776)	2,29E-05	Ugp2,Plb1,Atp6v0e,Krt80,Stam2,Fn1,Serpinb6c,Slc35a2,Akap13,Lmbr1,Tpcn1,Nipa1,Nudt7,Dusp8,Nrip3,Ccdc80,Tmem154,Ly6c1,Plcb1,Pltp,Ahnak,Rab7l1,6530401N04Rik,Slc25a39,Sema3f,Hck,Acyp1,Slamf9,1500011K16Rik,Reck,Tubb2a,Npc1,Mtus1,Ankrd44,Chpt1
mmu-miR-200a*	29(776)	2,56E-05	Gtf2h5,Kif27,Magi3,Coq10a,Zhx1,Insig2,Fn1,Cyp4v3,Sgcb,Lyrm1,Tmco3,Repin1,Rab3gap2,Stard6,Man2b1,Ascc1,Nudt7,Tmem175,Exoc3,Tanc2,Spata21,Rab7l1,Usp53,Htatip2,Arhgap1,Tom1l2,Wdr7,Chst12,Atp10d
mmu-miR-301b	35(776)	2,67E-05	Dym,Ubl4,Sh3bgr,Habp4,Atp9b,Loxl1,D6Wsu163e,Adcy9,1810020D17Rik,Mrgprf,Sgcb,Ankra2,Ttc15,2010003O02Rik,Tob1,Dlg2,2310046K01Rik,Akap4,Hscb,Adamts2,1810037I17Rik,Pdia5,Sstr4,Acyp2,Ptprm,Chmp4c,Itfg3,Slamf9,1500011K16Rik,Cpeb1,Tbc1d9b,Vps29,Tmem9b,Ankrd44,3110002H16Rik
mmu-miR-540-3p	38(776)	2,70E-05	Ppp1r16a,Gtf2h5,Zfand3,Stmn3,Kif27,Ascc2,Adc,Dhrs3,Trpc7,Fn1,Crybb3,Copz2,Akap13,Pigz,Slc46a3,Camk1,Sepw1,Guk1,Tcn2,Ndufa10,Itgb1bp1,Impdh1,P4ha2,Megf6,Adamtsl5,Mlycd,Trak1,Naga,Pde6d,Slc26a11,1300010F03Rik,1700016M24Rik,Slco3a1,Slc25a39,Hck,Tuba8,Ufc1,Cdh7
mmu-miR-187	32(776)	2,72E-05	Stmn3,Slc37a4,Commd8,Ehd1,Emilin2,Nudt13,Upk3b,Loxl1,Slc35a2,F630110N24Rik,Dusp3,Akap13,Slc7a7,Gramd3,Ttc15,Qpct,Shank3,Myeov2,Mfap5,Atg7,BC089491,Slc39a14,Klf2,Ptprm,Hck,Cog6,Cox6a2,Ckm,Kif3a,Tom1l2,Gas6,Dusp22
mmu-miR-412	30(776)	2,72E-05	Hadha,Tcta,Selm,Alg14,Klf15,Akap13,Tmem87b,Clip1,Dhrs1,Ephb3,Tpcn1,Arl2,Itgb1bp1,Wisp2,Rora,Shank3,Nfe2l1,Ppm1h,Chid1,Kif13b,Slc25a39,Sema3f,Sh3tc2,Gas6,Fbxw4,Cpeb1,Cyb5r3,Slc2a8,Tmem9b,Aldh3a2
mmu-miR-201	32(776)	2,73E-05	Cyp27a1,Sh3bgr,Stam2,Dynlrb1,F630110N24Rik,Rarres2,Klk1b4,1700009P17Rik,Dhrs1,Myom2,Gstk1,Lnx1,Ascc1,Dusp8,Lrrc57,2700078E11Rik,Iscu,Ppm1h,Ulk2,Mlycd,Itpr2,Ctsl,Def8,Acyp2,Kif13b,Ptdss1,Fbxl20,Slc25a35,1810030N24Rik,1700021C14Rik,Hint3,Aldh3a2
mmu-miR-711	31(776)	2,74E-05	Rab4b,Tlr6,Rras,Napb,Clstn1,Loxl1,Cdc42ep2,Slc44a1,Gstm2,Grina,Zbtb4,Impdh1,Aldh6a1,Ppt2,Htra3,Adar,2310046K01Rik,Ing4,Slc26a11,Tm9sf4,Klf2,Tanc2,Rab7l1,Synpo2,Cox6a2,Ckm,Stx7,Slc25a35,Rabac1,Atp10d,Chpt1
mmu-miR-22	35(776)	2,77E-05	Thra,Tssc4,Commd8,Hspa12a,Camk4,Ascc2,Sema3b,Rab3d,Nudt13,Ppp2r5b,Dynlrb1,Ank2,Slc7a7,Vps8,Arhgef12,Nfe2l1,Cspg4,C1qtnf6,Nudt7,St3gal5,Lrrc57,Htra3,Ccdc80,Lrch1,S100a16,Abtb2,2010111I01Rik,Slc39a14,Zdhhc24,Ufc1,Htatip2,Gas6,Slc2a8,Tmem9b,Npc1

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-296-5p	35(776)	2,79E-05	Mrc2,Ahnak2,Thra,Stmn3,Pef1,Rab4b,Clstn1,AI593442,Ppapdc3,Trpv4,Upk3b,Klf15,Neu1,Iqsec2,Kif1c,F630110N24Rik,Trpt1,Dhrs1,Dusp8,Adar,Ing4,Atg7,S100a16,BC089491,Zfand2b,Sirt2,Ikbkg,Sema3f,Dpm2,Htatip2,Stxbp1,Cyb5r3,Ltbp3,Cacna1b,Aph1a
mmu-miR-301a	35(776)	2,79E-05	Dym,Ubl4,Sh3bgr,Elmo2,Atp9b,Loxl1,D6Wsu163e,Adcy9,1810020D17Rik,Btf3l4,Sgcb,Ankra2,Ttc15,2010003O02Rik,Suox,Tob1,Dlg2,Akap4,Adamts2,1810037I17Rik,Pdia5,Sstr4,Acyp2,Ptprm,Chmp4c,Itfg3,Slamf9,1500011K16Rik,Cpeb1,Tbc1d9b,Agl,Vps29,Tmem9b,Ankrd44,3110002H16Rik
mmu-miR-590-5p	34(776)	2,81E-05	Fech,Ugp2,Kif27,Rras,Prss36,Adcy9,Gramd3,Lmbr1,2010003O02Rik,Farp2,Arhgef12,Gdf15,Slc9a6,2700078K21Rik,Bphl,Ascc1,Nudt7,Lrrc57,Anxa1,Bbs5,Hscb,Dbp,Mtm1,Ssbp2,Dnalc1,1110034G24Rik,Acyp1,Cbara1,Reck,1810030N24Rik,Rabac1,Satb1,Uchl1,Zfp704
mmu-miR-542-3p	34(776)	2,91E-05	Mrc2,Col14a1,Stmn3,Rab4b,Fbxo9,Rab38,Fem1a,Emilin2,Iqsec2,Tbcd,Slc7a7,Mxra8,Txnrd3,Tpcn1,Trim36,Arl2,Nudt7,Lrrc57,Tmem175,Adamtsl5,Grk4,Gabarap,Mrpl55,Pcbd2,Chchd6,Uqcrq,Ufc1,Fbxl20,Htatip2,Tom1l2,Rabac1,Tubb2a,Uchl1,Yif1a
mmu-miR-141	34(776)	2,93E-05	Ugp2,Snap91,Tssc4,Sgca,Gyg,Rab38,Fn1,Upk3b,Vps39,Akap13,Lyplal1,Tmco3,Calml4,Fbxl2,Pdgfc,Riok3,P4ha2,Ppt2,Nudt7,St3gal5,Lrrc57,Ccdc80,Slc35c2,Pltp,Tanc2,Cyb5,6530401N04Rik,1810046J19Rik,Hadhb,9930013L23Rik,Tbc1d14,Wdr7,1700094D03Rik,Chpt1
mmu-miR-467c	37(776)	2,95E-05	Kif27,Mpv17,Trpc7,BC024814,Selm,Cyp27a1,Aldh7a1,Cd81,Stam2,Smad6,Cyp4v3,Caml,D6Wsu163e,Pld1,Armc8,Skap2,Calml4,Myom2,Tpcn1,Dlg2,Ypel3,Pbxip1,C1qtnf6,Nudt7,Dusp8,Serpinb9b,Pde6d,Mtm1,Gpc4,Pde4dip,Mmab,Gabarap,4930579G22Rik,Stx7,1500011K16Rik,Mdfic,Nagk
mmu-miR-485	32(776)	2,96E-05	Zfand3,Dtx2,Copg,Trpc7,Smpdl3a,Cyp27a1,Gadd45b,Vps8,Tmem87b,9430038I01Rik,Sepw1,Txnrd3,Dok4,Tpcn1,Epb4.1l4b,C1qtnf6,P4ha2,Ppt2,St3gal5,Rell2,Itpr2,Naga,Sh2d4a,0610037L13Rik,Isca2,Atp6v0b,Tex264,Bcmo1,1110034G24Rik,Fbn2,Rabac1,Lmna
mmu-miR-483*	27(776)	2,96E-05	Adra1b,Slc37a4,Slc6a7,Cox4nb,Alg14,Atp6v0e,Trpv4,Ppp2r5b,Crybb3,Gabarapl1,1700009P17Rik,Tmem87b,Tpcn1,Chrd,Nfe2l1,Cspg4,Impdh1,Slc22a4,Nkiras2,Nenf,Zfand2b,Fzd8,Sema3f,Serf2,Cdh7,Acaa1a,Igfbp2
mmu-miR-431	32(776)	3,05E-05	Ahnak2,Dym,Adra1b,Plb1,Ascc2,Dhrs3,Rab4b,Nt5m,Atp6v0e,Abcb6,Stam2,Gadd45b,Ppp2r5b,Vps8,Anxa3,Ppt2,St3gal5,Mocs2,Glt8d1,S100a13,Nupr1,BC089491,Ctsb,Grk4,BC029214,Sirt2,Pcbd2,Tbccd1,Gstp1,Sh3tc2,1500011K16Rik,Dmpk
mmu-miR-325	39(776)	3,22E-05	Oit3,Crat,Stmn3,Slc6a7,Fbxo9,Insig2,Hexa,Emilin2,Rab40b,Kcnn1,Trpv4,Lamb2,Trappc6a,Crybb3,Ttc15,5830405N20Rik,Apoa1bp,2010003O02Rik,Gstm2,Lnx1,Epb4.1l4b,P4ha2,Nudt7,Tmem154,Fabp3,Galnt10,Psen2,Slc22a4,Bbs5,Gabarap,Glipr1,Ufc1,1110034G24Rik,Cdkn1a,Cox6a2,Scarb2,Hadhb,Immp1l,3110002H16Rik
mmu-miR-188-3p	35(776)	3,24E-05	Ppp1r16a,Usp2,Kif27,Dhrs3,Rab4b,Fbxo9,Rras,Habp4,Wnt9a,Abcb6,Clstn1,Tmem64,Neu1,Atp6v1e1,Cd248,Mtmr3,Tgfb2,F630110N24Rik,Ankra2,Slc31a2,Sepw1,Ccdc64,Chrd,Cdk5,Glt8d1,Rell2,Slc35c2,Dbp,Npdc1,Atp6v0b,App,Slco3a1,Spata21,Csrp2,Atp5e
mmu-miR-339-3p	35(776)	3,38E-05	Pank2,Yif1b,Sgca,Stmn3,Adc,Tmem41a,Smpdl3a,Nt5m,Hexa,Kcnn1,Clstn1,Trpv4,Adcy9,Gramd3,Sepw1,Cacna1g,Myo6,2900010M23Rik,A430110N23Rik,Rora,Ascc1,Fabp3,Slc35c2,Ly6c1,Nol3,Mustn1,Atp6v0b,Gabarap,Asb1,Csrp2,Ckm,Afap1l2,Esrrb,Tubb2a,Ltbp3
mmu-miR-101a	37(776)	3,39E-05	Ppp1r16a,Oit3,Zfand3,Ap3s1,Dtx2,Map3k8,Sgca,Mcee,Trpc7,Rab38,Abcb6,Stam2,Ppapdc3,Caml,Rab3gap2,Ccdc64,Nipa1,Ndufa10,Mtap6,Ascc1,Mfap5,Mlycd,Ing4,Dopey2,Pxmp4,Srp14,Nr2c1,Serf2,1110034G24Rik,Htatip2,Clcn7,Acaa1a,Cdkn2b,Tbc1d14,Fzd6,Tubb2a,Ltbp3
mmu-miR-302a	35(776)	3,43E-05	Maob,Mpv17,Magi3,Rab38,Emilin2,Loxl1,Rragc,2010003O02Rik,Dlg2,Nudt7,2700078E11Rik,Glt8d1,9130011J15Rik,S100a13,Os9,Akap4,Triap1,Impact,Lrp4,1810037I17Rik,Clip4,Rab7l1,Synpo2,Nr2c1,Ikbkg,Chmp4c,BC004004,Csrp2,Sh3tc2,Cdkn1a,Nhlrc1,Wdr7,Uchl1,1700094D03Rik,Ankrd44
mmu-miR-883b-3p	36(776)	3,58E-05	Ugp2,Snap91,Hadha,Adc,Mpv17,Tmem41a,Rab3d,Nt5m,Rab40b,Fn1,Clstn1,AI593442,Renbp,Fstl1,Anxa3,Ttc15,Wisp2,Stard6,Mocs2,Iscu,Naga,Ctsb,Srp14,Adamts2,Atp6v0b,Sstr4,1110034G24Rik,Clcn7,1810046J19Rik,Kif3a,Acaa1a,Scarb2,Hadhb,Igbp1,Fbxw4,Oplah
mmu-miR-150	32(776)	4,21E-05	Ahnak2,Dym,Iah1,Adra1b,Copg,Tcta,Dhrs3,Sync,Neu1,Iqsec2,Dynlrb1,Tbcd,Lyrm1,Gabarapl1,Ptplad2,Cacna1g,Appl2,Rora,Cspg4,Adamtsl5,Bbs5,Ing4,BC089491,Tollip,Dbp,Gpc4,Npdc1,Spata21,Glipr1,Wscd2,C1qtnf1,1700094D03Rik
mmu-miR-763	33(776)	4,23E-05	Ascc2,Prss29,Smpdl3a,Rras,Cyp4v3,Hdlbp,Ppp2r5b,Cd248,Tbcd,Gramd3,Lmbr1,Sepw1,Arl2,Impdh1,St3gal5,Nkiras2,Akap4,S100a16,Nol3,Pde6d,Pltp,Dbp,Srp14,Tbccd1,Ptdss1,Vps24,1110034G24Rik,4930579G22Rik,Cdkn1a,Dnajc4,Rabac1,Oplah,2810428I15Rik
mmu-miR-339-5p	33(776)	4,56E-05	Ppp1r16a,Gyg,Prss29,Hexa,Clstn1,F630110N24Rik,2900010M23Rik,Trappc2l,Galns,Ndel1,Grina,Rora,Slc9a6,Nfe2l1,2700078K21Rik,9130011J15Rik,Naga,Mustn1,Pcyt1a,Abtb2,Necap2,Lrba,Zfand2b,Sirt2,Tmbim1,Slc2a6,BC004004,Mras,Adamtsl4,Scarb2,Igfbp2,Atp5e,Scn1b

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-9	33(776)	4,56E-05	Ahnak2,Pmp22,Ascc2,Prss29,Cyp4v3,Cd248,Tbcd,1110007C09Rik,Pld1,Tmem87b,Pigz,Anxa3,Slc31a2,Guk1,Chrd,Hsd3b3,P4ha2,Pltp,Hgsnat,0610037L13Rik,1300010F03Rik,A930005H10Rik,Sorbs3,Ugt2b36,Ptdss1,Cdh7,Itfg3,1810046J19Rik,Slc25a35,Wscd2,Igbp1,Lmna,Mtus1
mmu-miR-615-5p	35(776)	4,63E-05	Pank2,Thra,Adra1b,Sgca,Stmn3,Ecm1,Rab4b,Cd81,Clstn1,Trpv4,Creb3,Cd248,Trappc6a,Ank2,Chrd,Ypel3,Shank3,Cspg4,Pbxip1,Ppt2,Dusp8,Cables1,Rell2,Mlycd,Ntn4,Ctsb,Npdc1,Adamts2,BC029214,Fzd8,Kif13b,Slc2a6,2900026A02Rik,Cox6b1,Shroom3
mmu-miR-467d	37(776)	4,69E-05	Trpc7,BC024814,Selm,Aldh7a1,Cd81,Stam2,Smad6,Cyp4v3,Caml,D6Wsu163e,Akap13,Calml4,Ndel1,Tcn2,Gdf15,Pbxip1,2700078K21Rik,C1qtnf6,Dusp8,Serpinb9b,Cables1,Pde6d,Mtm1,Gpc4,Srp14,1300010F03Rik,Pde4dip,Atp6v0b,Mmab,Gabarap,Rab7l1,ORF63,Stx7,1500011K16Rik,Rit1,Mdfic,Nagk
mmu-miR-206	30(776)	5,45E-05	Bri3,Snrpn,Smpdl3a,Sh3bgr,Mtap1a,Fn1,D6Wsu163e,Adcy9,Sgcb,Dgkg,Lmbr1,Hexb,2010003O02Rik,Zbtb4,Tppp,P4ha2,Lrch1,Atg7,Dopey2,Pde6d,Plcb1,Ankrd29,App,Def8,Mrpl55,Ptprm,Vps24,Dhps,Kif3a,Cpeb1
mmu-miR-883a-5p	35(776)	5,51E-05	1300014I06Rik,2310028O11Rik,Stmn3,Adc,Fahd2a,Gabarapl2,Rab38,Sh3bgr,Ank2,Anxa3,Skap2,Qk,Mxra8,AI317395,Ccdc64,Wisp2,Impdh1,Iscu,Anxa1,Glt8d1,Ctsb,Dbp,Srr,Srp14,1300010F03Rik,Mmab,Gabarap,6530401N04Rik,Cox6a2,Kif3a,Acaa1a,Oplah,Atp10d,Aldh3a2,Shroom3
mmu-miR-10b*	29(776)	5,89E-05	2310028O11Rik,Sqrdl,Stmn3,Emilin2,Adamts5,Caml,Adcy9,Fstl1,Lmbr1,Tmem87b,Clip1,Arnt,Hexb,Cacna1g,Wwp2,Snta1,Serpinb9c,Pon3,Adamtsl5,4930523C07Rik,1810037I17Rik,Ahnak,Acyp1,Cbara1,Daglb,Slc25a35,Igbp1,1700094D03Rik,Immp1l
mmu-miR-9*	28(776)	5,89E-05	Pank2,Iah1,Bri3,Caml,F630110N24Rik,Tbcd,Vps8,2010003O02Rik,Appl2,Herpud2,Dlg2,Hsd3b3,Slc9a6,P4ha2,Glt8d1,Psen2,Plcb1,Srp14,Ctsl,Ugt2b36,Cxcr7,Slc25a35,Igbp1,Uchl1,Cacna1b,1700094D03Rik,Immp1l,Npc1
mmu-miR-148a	36(776)	5,91E-05	Dym,Plb1,Gabarapl2,Sh3bgr,Klf15,Sgcb,Myom2,Txnrd3,Grina,Ypel3,Cgnl1,Pbxip1,Ascc1,Nudt7,Mocs2,Nrip3,Akap4,Gpc4,Ankrd29,Pde4dip,Acyp2,Il17d,Cdh7,Mras,Sh3tc2,Ckm,Tom1l2,Stx7,Slamf9,Rhoj,1810030N24Rik,Tmem50b,Zfp704,Tmem9b,1700094D03Rik,3110002H16Rik
mmu-miR-218-2*	29(776)	6,00E-05	Pank2,Thra,Dhrs3,Alg14,Trappc6a,Adcy9,Myom2,Atp2a3,Tcn2,Ndufa10,Chrd,Zbtb4,Ascc1,Adar,9130011J15Rik,S100a13,Npdc1,2010111I01Rik,1300010F03Rik,App,Spata21,Chchd6,Acyp2,Kif13b,Asb1,Synpo2,Cxcr7,Rhoj,Hint3
mmu-miR-705	34(776)	6,03E-05	Ppp1r16a,Pank2,Thra,Yif1b,Sgca,S100a1,Fahd2a,Cyp27a1,D16H22S680E,Trpv4,Slc35a2,Slc7a7,Abcd1,Vps8,Pigz,Camk1,Sepw1,Gstm2,Arl2,Ndufa10,Itgb1bp1,Zbtb4,Lims2,Nupr1,Mustn1,Ctsb,Gabarap,Slc25a39,BC046404,Scn1b,Rabac1,Lmna,Pcsk6,Ltbp3
mmu-miR-464	32(776)	6,22E-05	Maob,Magi3,Crot,Gpx4,Lrrc51,Cobl,Emilin2,Abcb6,Adamts5,Caml,Atp6v1e1,Tbcd,Clip1,Cacna1g,Apoa1bp,Gdf15,Lrrc57,Tmem175,Naga,Hscb,Mtcp1,1300010F03Rik,Atp6v0b,Tm9sf4,Mmab,Chchd6,Cpa6,Tyrp1,Scarb2,Yif1a,Tmem9b,1700094D03Rik
mmu-miR-125b-5p	37(776)	6,69E-05	Ppp1r16a,Pank2,Col14a1,Plb1,Kif27,Kremen1,Ppapdc3,Neu1,Tgfb2,Akap13,Dgkg,Slc46a3,Gpr133,Grina,Rapsn,Capn5,Psen2,Mlycd,Triap1,Ankrd29,Pde4dip,Atp6v0b,Tbccd1,Slc2a6,Ikbkg,Sema3f,Hck,Ssfa2,Chmp4c,Itfg3,Acyp1,Sh3tc2,1810046J19Rik,Slc25a35,Fbxw4,Tmem38a,1700021C14Rik
mmu-miR-140	33(776)	6,73E-05	Ifi35,Rnf13,Pmp22,Crot,Trpc7,Rab38,Wnt9a,Akap13,Adcy9,Gng5,Anxa3,Arnt,Stx8,Rab3gap2,Tpcn1,2010003O02Rik,Herpud2,Chrd,Ypel3,Ascc1,Glt8d1,Ly6c1,Dopey2,Tollip,Mustn1,Sirt2,Ssbp2,Hr,1110034G24Rik,4930579G22Rik,Mras,Slc25a35,Cdkn2b
mmu-miR-322	32(776)	6,86E-05	Bri3,Tcta,Tmem41a,Rab4b,Lyrm1,Klk1b4,Skap2,Cdc42ep2,Synpo,Arl2,Ypel3,C1qtnf6,Rapsn,Nudt7,Lrrc57,Glt8d1,Rdh12,Mlycd,Ly6c1,S100a16,Dopey2,BC089491,Triap1,0610037L13Rik,Srp14,Frmpd1,Zfand2b,Slc25a39,Ptprm,1110034G24Rik,Atp5e,Rabac1
mmu-miR-712	29(776)	7,21E-05	Snap91,Sgca,Stmn3,Ascc2,Krt80,Abcb6,Prss36,Kif1c,F630110N24Rik,Armc8,Ttc15,Guk1,Arl2,Ypel3,Nfe2l1,Mtap6,Snta1,Lrrc57,Mfap5,Pik3ip1,Glt8d1,Rell2,Zfp560,Naga,Nol3,Sh2d4a,Ptprm,Cog6,Igfbp2
mmu-miR-30b	35(776)	7,30E-05	Ppp1r16a,Pank2,Fech,Snrpn,Tmem41a,Magi3,Arvcf,Rab3d,Rab40b,Vps39,Ank2,Vps8,Gramd3,Ankra2,5830405N20Rik,Hoxa1,Aldh6a1,P4ha2,Ccdc80,Anxa1,Tmem175,Psen2,Vdac1,Bbs5,Frmpd1,Atg12,Ahnak,Pcbd2,Fbxl20,Slc41a2,Afap1l2,Fbxw4,Wdr7,Chst12,Atp10d
mmu-miR-668	31(776)	7,33E-05	Commd8,Mal,Gpx4,Smpdl3a,Rab3d,Cd81,Ppp2r5b,Lyplal1,1700009P17Rik,Gdf15,Cspg4,2700078K21Rik,P4ha2,Ascc1,Idua,Iscu,Cdk5,Ehd2,1110003E01Rik,Nkiras2,Zfand2b,Slc41a3,Htatip2,Scarb2,Igfbp2,Slamf9,Rhoj,Slc2a8,Limch1,1700094D03Rik,Kctd21
mmu-miR-302a*	29(776)	7,53E-05	Prss29,Crot,Lrrc51,Fem1a,Atp6v0e,AI593442,Ank2,Dusp3,Pld1,Vps8,Armc8,Pigz,Ap3m2,Myo6,Suox,Tcn2,Myeov2,Nudt7,9130011J15Rik,Hbxip,4930523C07Rik,Gpc4,Ankrd29,1810037I17Rik,BC046404,1810027O10Rik,Dhps,Lrpap1,Shroom3
mmu-miR-199b*	28(776)	7,75E-05	Ppp1r16a,Gtf2h5,Sgca,Fahd2a,Fbxo9,Hexa,Sh3bgr,Sync,Pld1,Gng5,Pigz,Ndel1,Pik3ip1,Tmem175,Akap4,2010111I01Rik,Tbccd1,Slc2a6,BC004004,Sparc,Csrp2,Daglb,Tom1l2,Igfbp2,Gas6,Fbxw4,Atp6v0a1,Cyb5r3

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miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-137	33(776)	7,79E-05	Dym,Ap3s1,Iah1,Map3k8,Lgr4,Glrb,Inpp5a,AI593442,Btf3l4,Gramd3,Slc46a3,Appl2,Herpud2,Itgb1bp1,Stard6,Dusp8,Ergic3,Rell2,Os9,Gpc4,Ankrd29,0610037L13Rik,Lrba,1300010F03Rik,Ahnak,Kif13b,Sema3f,Acyp1,Cox6a2,1810046J19Rik,Scn1b,Dusp22,Chpt1
mmu-miR-499	30(776)	8,24E-05	Pank2,Adc,Papss2,Alg14,Gabarapl2,Btf3l4,Skap2,Ankra2,Herpud2,Ndel1,Mtap6,Nudt7,Nrip3,Iscu,Garnl3,Ulk2,Slc2a4,Ntn4,Hscb,Pde6d,Triap1,Plcb1,Pltp,Hgsnat,Srp14,Sparc,Atp5e,Igbp1,Hhip,Rab22a
mmu-miR-342-3p	32(776)	8,64E-05	Dtx2,Adra1b,Plb1,Gpx4,Smpdl3a,Tlr6,Insig2,Abcb6,Stam2,Clstn1,Creb3,Kif1c,Lyplal1,Tmco3,Myom2,Zbtb4,Wwp2,Nudt7,Ttll7,Ly6c1,Zmat2,Ctsb,Dbp,Sirt2,Tanc2,Rab7l1,Fbn2,Acyp1,Ankrd12,Tubb2a,1700094D03Rik,Mtus1
mmu-miR-125a-3p	36(776)	8,67E-05	Mpv17,Rab4b,Atp6v0e,Inpp5a,Trpv4,F630110N24Rik,Akap13,Trpt1,Fstl1,Rarres2,Tmco3,Itgb1bp1,Tom1,Rapsn,Riok3,Nudt7,1110003E01Rik,Trak1,S100a16,Mtcp1,Tollip,Ankrd29,Isca2,Atp6v0b,Mmab,Asb1,Tex264,Slc2a6,BC046404,Adamtsl4,1810046J19Rik,Scarb2,Slamf9,Fbxw4,Hint3,Shroom3
mmu-miR-19a	33(776)	9,23E-05	Gtf2h5,2310028O11Rik,Snrpn,Mpv17,Sh3bgr,Wnt9a,Klf15,Btf3l4,Armc8,Skap2,Ankra2,Suox,Nipa1,Rora,Slc9a6,Impdh1,St3gal5,Glt8d1,Itpr2,Reep3,Ankrd29,Ahnak,Atp5s,Kif3a,Acaa1a,Hadhb,Igbp1,Scn1b,Chst12,Ltbp3,Zfp704,Vps29,Hhip
mmu-miR-292-3p	35(776)	9,24E-05	Ugp2,Usp2,Sgca,Plb1,Arvcf,Coq10a,Fahd2a,Fbxo9,Papss2,Tlr6,Insig2,Cobl,Hexa,Nfs1,Stx8,Ttc15,Apoa1bp,A430110N23Rik,Nudt7,St3gal5,Serpinb9b,Slc22a4,Vnn1,Slc26a11,Mmab,Ahnak,Ikbkg,Ufc1,Csrp2,Clcn7,Nudt18,Dhps,Ankrd12,Atp6v0a1,Tmem38a
mmu-miR-16	33(776)	0,000101747	Dym,Wdr47,Bri3,Sgca,Tcta,Tmem41a,Rab4b,Rab40b,Mtmr3,1110007C09Rik,Lyrm1,Fbxl2,Tpcn1,2010003O02Rik,Arl2,Ypel3,Shank3,Rapsn,Nudt7,St3gal5,Ly6c1,S100a16,Dopey2,Abtb2,Srp14,Frmpd1,Zfand2b,Ahnak,Nr2c1,Cdh7,1110034G24Rik,Itfg3,Rabac1
mmu-miR-674	32(776)	0,000102141	Ap3s1,Dtx2,Snap91,Lrrc51,Prss36,Atp6v1e1,Abcd1,Vps8,Mrgprf,Ankra2,Gstm2,Ccdc64,Hsd3b3,2700078K21Rik,Rapsn,P4ha2,2700078E11Rik,Deb1,Ccdc80,Ing4,Gdap2,Grk4,Necap2,Ctsl,Ahnak,Htatip2,Cdkn1a,Scarb2,Slc25a35,Igbp1,Tmem38a,Fads3
mmu-miR-146b*	25(776)	0,000102592	Ahnak2,Mpv17,Fbxo9,Rras,Ehd1,Lamb2,Trappc6a,F630110N24Rik,Adcy9,Alkbh6,2010003O02Rik,Ccdc64,2700078K21Rik,C1qtnf6,Slc35c2,Ly6c1,Reep3,Atg7,1300010F03Rik,Zfand2b,Chchd6,1110034G24Rik,Slc25a35,Slamf9,Lmna
mmu-miR-93*	28(776)	0,000103386	Dym,Tmem41a,Higd1a,Tbc1d10a,Vps39,Akap13,Adcy9,Btf3l4,Clip1,Slc31a2,9430038I01Rik,5830405N20Rik,Ccdc64,Epb4.1l4b,Dopey2,BC089491,Plcb1,Srr,1300010F03Rik,Dhps,6330406I15Rik,Cox6a2,1810046J19Rik,Acaa1a,Tom1l2,Mrps14,Oplah,1700094D03Rik
mmu-let-7g*	34(776)	0,000107389	Zfand3,Ap3s1,Ccdc126,Rab43,Rpl17,Kif27,Ascc2,Selm,Gadd45b,Atp9b,Mtmr3,Amhr2,Rarres2,Mrgprf,Skap2,Cacna1g,2900010M23Rik,Chrd,Stard6,L1cam,Man2b1,Mtap6,Wwp2,Asah1,Plcb1,Gpc4,Atp6v0b,Ahnak,Sirt2,Ssbp2,Tuba8,Ufc1,Cdh7,Acyp1
mmu-miR-365	33(776)	0,000107761	Pank2,Snap91,Map3k8,Col14a1,Sgca,Kif27,Tmem41a,Hexa,Ehd1,Nudt13,Trappc6a,Vps8,Fstl1,Arnt,Cdc42ep2,Tom1,Idua,Ttll7,Megf6,Add3,Ehd2,1110003E01Rik,Mustn1,Abtb2,Mmab,Mrpl55,Plac9,Ptdss1,Mras,Fzd6,Tmem38a,Ankrd44,Chpt1
mmu-let-7a	34(776)	0,000108965	Ppp1r16a,Ifi35,Dtx2,Mcee,Cat,Tcta,Tmem41a,Alg14,Hexa,Sh3bgr,Rras,Elmo2,R74862,Cyp4v3,Trappc6a,Akap13,Gng5,Lama2,Camk1,Chrd,Lnx1,Slc35b1,Fabp3,Gdap2,Tollip,Isca2,App,Zdhhc24,Ikbkg,Sema3f,1110034G24Rik,6330406I15Rik,1810046J19Rik,Kif3a
mmu-miR-673-5p	33(776)	0,000109407	Ppp1r16a,Cox4nb,Dhrs3,Rab4b,Trpc7,Sema3b,Emilin2,R74862,Abcb6,Inpp5a,Loxl1,Cd248,Vps8,Sepw1,Ephb3,Trappc2l,Tcn2,Slc9a6,Ascc1,Nudt7,St3gal5,Ehd3,Ccdc80,Zdhhc8,Nol3,0610037L13Rik,Atp6v0b,Hck,Acyp1,Stxbp1,Cacna1b,Nagk,Shroom3
mmu-miR-683	30(776)	0,000114705	Map3k8,Hspa12a,Selm,Cyp27a1,Nt5m,Atp6v1e1,Slc7a7,Btf3l4,Mrgprf,Klk1b4,Hexb,Txnrd3,Arhgef12,Rora,Snta1,Ascc1,Slc22a4,Os9,Nupr1,Mtcp1,2010111I01Rik,Zfand2b,Zdhhc24,Ptprm,Mxra7,Vps24,Ufc1,Arhgap1,Kif3a,Gas6
mmu-miR-681	31(776)	0,000114737	Mrc2,Ahnak2,Tssc4,Bri3,Ascc2,Adc,Fahd2a,Smpdl3a,Sema3b,Nt5m,Elmo2,Krt80,Nudt13,F630110N24Rik,Myadm,Tbcd,Vps8,Lyplal1,Dhrs1,Slc31a2,Stx8,Myom2,Tpcn1,Synpo,Ing4,Klf2,Bcmo1,Slc25a39,Cox6a2,Hadhb,Ltbp3
mmu-miR-801	28(776)	0,000115869	Plb1,Lgr4,Slc22a18,Tbcd,Btf3l4,Dgkg,Slc46a3,2010003O02Rik,Arl2,Itgb1bp1,Shank3,C1qtnf6,Garnl3,Nupr1,Akap4,Zfand2b,Rab7l1,Cdh7,Ndrg4,Gpr39,Cox6a2,1810046J19Rik,Ckm,Acaa1a,Nhlrc1,Gas6,1810030N24Rik,Wdr7
mmu-miR-294	30(776)	0,000116059	Gtf2h5,Magi3,Crot,Smad6,Crybb3,Txnrd3,2010003O02Rik,Nudt7,2700078E11Rik,Serpinb9b,Glt8d1,9130011J15Rik,Ing4,Dner,Lrp4,Mmab,Zfand2b,Ahnak,Clip4,Rab7l1,Csrp2,Sh3tc2,Acaa1a,Nhlrc1,Daglb,Uchl1,Zfp704,1700094D03Rik,Atp10d,Ankrd44
mmu-miR-453	29(776)	0,00011651	Ahnak2,Stmn3,Rab4b,Alg14,Sema3b,Caml,Ank2,Tbcd,Slc7a7,Abcd1,Tmem87b,Camk1,Emp2,Tcn2,Cspg4,Impdh1,Snta1,Dusp8,Pon3,2310046K01Rik,Trak1,Triap1,Def8,Uqcrq,BC046404,Serf2,Igbp1,Tbc1d9b,Wdr7

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-223	30(776)	0,000125873	Sgca,Mcee,Smpdl3a,Prss36,Cd248,Btf3l4,1700009P17Rik,Tmem87b,Tom1,Gp1bb,Dusp8,Tmem154,Lrch1,Tmem175,Mlycd,Slc22a4,Mtm1,Slc39a14,Usp53,Kif13b,Asb1,Tex264,Slc2a6,Slc25a35,Atp5e,Rhoj,Pcsk6,Ltbp3,Immp1l,Aldh3a2
mmu-miR-466g	39(776)	0,000125957	Ahnak2,Thra,Dtx2,2310028O11Rik,Adra1b,Tmem41a,Smpdl3a,Insig2,Rab3d,5930434B04Rik,D16H22S680E,Stam2,Sync,Creb3,Dynlrb1,Dusp3,Qk,Gstm2,Guk1,Zbtb4,Myeov2,2700078K21Rik,Glt8d1,Zdhhc8,Ly6c1,Zmat2,Trak1,Grk4,Lrba,1300010F03Rik,Ahnak,Slco3a1,Rab7l1,Cdh7,1110034G24Rik,Kif3a,Tom1l2,Uchl1,Mtus1
mmu-miR-361	29(776)	0,000132126	Snrpn,Adc,Mpv17,Magi3,Rab38,D6Wsu163e,1810020D17Rik,Vps8,Gramd3,Klk1b4,Dhrs1,Mxra8,AI317395,Myo6,Qpct,Stard6,Grik2,Iscu,Tollip,Ctsl,A930005H10Rik,Spata21,Acyp2,Ugt2b36,Slc1a4,Ptprm,Igbp1,Zfp704,1700094D03Rik
mmu-miR-124*	28(776)	0,000137134	Iah1,Kif27,Crot,Smpdl3a,Insig2,Nt5m,Hexa,D16H22S680E,Lamb2,Cd248,Tgfb2,Vps8,Dgkg,Gpr133,Ttc15,Atp2a3,Itgb1bp1,Snta1,Vnn1,Acyp2,Usp53,Tmbim1,Chmp4c,Dhps,1810046J19Rik,Tom1l2,Slamf9,1700094D03Rik
mmu-miR-761	31(776)	0,000137197	Ifi35,Usp2,Zbtb7c,Rab4b,Cd81,Trpv4,Gramd3,Txnrd3,Trappc2l,Arl2,Tcn2,L1cam,Pbxip1,Mtap6,Mocs2,Ulk2,Psen2,Ly6c1,Slc26a11,1300010F03Rik,Atp6v0b,BC029214,Slc25a39,Cbara1,Dnajc4,Tbc1d14,Atp6v0a1,Rabac1,Lmna,Limch1,2810428I15Rik
mmu-let-7f*	33(776)	0,000137808	Zfand3,Ap3s1,Map3k8,Bri3,Slc37a4,Lgr4,Ascc2,Cobl,Sh3bgr,Atp9b,Akap13,Btf3l4,1700009P17Rik,Skap2,Myom2,Lnx1,Gdf15,Snta1,Serpinb9c,Glt8d1,Fabp3,Plcb1,Ctsl,Klf2,Tbccd1,Ssbp2,Sema3f,Cox6a2,Scarb2,Wdr7,Dusp22,Zfp704,Cacna1b
mmu-miR-291b-3p	36(776)	0,000145605	Mcee,Hadha,Higd1a,Habp4,D16H22S680E,Smad6,Caml,Loxl1,D6Wsu163e,Iqsec2,Dynlrb1,Armc8,Clip1,Tmco3,Mxra8,Grina,L1cam,Rapsn,Nudt7,Idua,Dusp8,Adamtsl5,Nupr1,Pde6d,Mtm1,Srp14,App,Ahnak,Clip4,Rab7l1,Cog6,Atp5e,1500011K16Rik,Zfp704,Mtus1,Nagk
mmu-miR-590-3p	32(776)	0,000146754	Pank2,Zfand3,Lgr4,Ascc2,Cyp27a1,Alg14,Stk39,Skap2,Ankra2,5830405N20Rik,Tob1,Qpct,Lnx1,Mtap6,Bphl,Mocs2,Ccdc80,Glt8d1,Sema3c,Slc22a4,Bbs5,Vnn1,Dopey2,Srp14,Pdia5,Acyp2,Ugt2b36,Ssbp2,Cdh7,Csrp2,Igfbp2,1810030N24Rik
mmu-miR-688	30(776)	0,000147028	Zfand3,Thra,Usp2,Slc37a4,Lgr4,Atp6v0e,Abcb6,Inpp5a,F630110N24Rik,Gramd3,Anxa3,Skap2,Camk1,Ephb3,Trappc2l,Ypel3,Cgnl1,Snta1,Cables1,Pik3ip1,Bbs5,Hgsnat,Rab7l1,Tbccd1,Csrp2,Tyrp1,Kif3a,Acaa1a,Tom1l2,Rit1
mmu-miR-221	30(776)	0,000148805	Bri3,Sgca,Sema3b,Nt5m,Prss36,Trappc6a,Vps8,Lyplal1,Mrgprf,Skap2,Mrgpre,Gpr133,Alkbh6,Calml4,Dph1,Ctso,Zbtb4,Nudt7,Lims2,Ly6c1,Reep3,Ankrd29,Zfand2b,Synpo2,Cxcr7,Htatip2,Tbc1d9b,Chst12,Pcsk6,Oplah
mmu-miR-501-5p	30(776)	0,000148805	Acp2,Thra,Sgca,Ecm1,Ascc2,Tmem41a,Crot,Caml,Cd248,Slc35a2,Slc7a7,Grina,L1cam,Aldh6a1,Slc35b1,Megf6,Adar,Zfp560,Os9,Clip4,Tex264,Cpa6,Acaa1a,Igfbp2,Wscd2,Igbp1,Tbc1d9b,Mdfic,Limch1,Zfp704
mmu-miR-470	28(776)	0,000148876	Ugp2,Tssc4,Ecm1,Dhrs3,Fbxo9,Prss36,Cd248,Mtmr3,Crybb3,Gng5,Cry2,Ap3m2,Ndel1,Ndufa10,Man2b1,Snta1,Nrip3,Ccdc80,Garnl3,Nkiras2,Npdc1,Spata21,Synpo2,Tex264,Cdh7,Csrp2,Rabac1,1700013F07Rik
mmu-miR-494	27(776)	0,00014965	Map3k8,Commd8,Mal,Rab38,Cyp4v3,Slc7a7,Vps8,Camk1,Qk,Appl2,Grina,Ndufa10,Zbtb4,Slc9a6,P4ha2,Grik2,Htra3,Pik3ip1,Mtcp1,Cyb5,Acyp2,Adamtsl4,Cox6a2,Dusp22,Vps29,Cacna1b,Immp1l
mmu-miR-743b-5p	32(776)	0,000153945	Oit3,Copg,Stmn3,Plb1,Dscr3,Caml,Loxl1,Slc7a7,Vps8,Armc8,Ttc15,Myom2,Ccdc64,Qpct,Myeov2,Ppm1h,Gdap2,Atg7,Nol3,Pde6d,Slc26a11,Clip4,Usp53,BC046404,Adamtsl4,Daglb,Scarb2,9930013L23Rik,Slamf9,Lmna,Uchl1,Zfp704
mmu-miR-216b	32(776)	0,000160645	Gtf2h5,Iah1,Plb1,Pef1,Tmem41a,Gpx4,Vps39,Copz2,Dab2ip,Adcy9,Slc46a3,9430038I01Rik,Hoxa1,Txnrd3,2010003O02Rik,Gstm2,Qpct,Zbtb4,Mocs2,2310046K01Rik,Trak1,Sh2d4a,Hgsnat,Srr,Npdc1,Necap2,A930005H10Rik,Hr,Fbxl20,Gpr39,1500011K16Rik,Tbc1d9b
mmu-miR-27a*	28(776)	0,000161062	Usp2,Sema3b,Rras,Copz2,Gstm2,Grina,Zbtb4,Snta1,Dusp8,Mfap5,Anxa1,Rell2,Srr,Zfand2b,Ahnak,Spata21,Tex264,Plac9,Hck,Trp53inp2,Cdh7,Mras,Tom1l2,1500011K16Rik,1700021C14Rik,Stxbp1,Rabac1,Shroom3
mmu-miR-21	28(776)	0,000163308	Gnptg,Yif1b,Kif27,Sh3bgr,Adcy9,Sgcb,Armc8,Lmbr1,Clip1,Tpcn1,2010003O02Rik,Ndel1,Farp2,Lnx1,Lrrc57,Akap4,Plcb1,Ctsl,Spata21,Il17d,1110034G24Rik,Sparc,Acyp1,Reck,Rabac1,Satb1,Uchl1,Zfp704
mmu-miR-542-5p	31(776)	0,000163734	Tlr6,Lrrc51,Abcb6,Hist2h2bb,Inpp5a,Hdlbp,Acox1,Ank2,Dusp3,Copz2,Akap13,Vps8,Clip1,Dph1,Tpcn1,Gstm2,Trappc2l,Rell2,Adamtsl5,Vdac1,Os9,Slc39a14,Mrpl55,Slc41a3,Rab7l1,Bcmo1,Csrp2,1810046J19Rik,Slamf9,Yif1a,Shroom3
mmu-miR-299	29(776)	0,000171661	Thra,Ap3s1,Klhl18,Trpv4,Creb3,Kif1c,Slc35a2,Gng5,Btf3l4,Lmbr1,Pigz,Dhrs1,Myom2,Lgals9,Alas1,Idua,Serpinb9c,Ergic3,Slc35c2,Ly6c1,Hgsnat,Npdc1,Def8,Tanc2,Tuba8,Mras,Ckm,Pcsk6,Ltbp3
mmu-miR-29b	35(776)	0,000172812	Copg,Ccdc126,Slc37a4,Pmp22,Smpdl3a,Hexa,Sh3bgr,Habp4,Emilin2,Abcb6,Smad6,Vps8,Anxa3,Myo6,Ephb3,Tpcn1,Pdgfc,Qpct,Chrd,Impdh1,Asah1,Mfap5,Ccdc80,Fabp3,Ing4,Adamts2,Klf2,Tanc2,Nr2c1,Chmp4c,Fbxl20,Dhps,9930013L23Rik,Tubb2a,Dusp22
mmu-miR-877*	23(776)	0,000174793	Sgca,Rab4b,Sema3b,Sh3bgr,Elmo2,Clstn1,Prss36,Loxl1,Crybb3,F630110N24Rik,Myo6,Txnrd3,Snta1,Adar,Nupr1,BC089491,Nenf,Pcyt1a,Zfand2b,Pdia5,4930579G22Rik,Mras,Igfbp2

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-744*	25(776)	0,000183871	Rnf13,Tssc4,Map3k8,Rab43,Stmn3,Ecm1,Hspa12a,Magi3,Sema3b,Napb,Nudt13,Ppp2r5b,D6Wsu163e,Iqsec2,Slc7a7,Rarres2,Camk1,Calml4,Repin1,Grina,Ascc1,Zfp560,Nupr1,Akap4,1810046J19Rik
mmu-miR-874	30(776)	0,000185626	Pank2,Rab43,Slc6a7,Prss29,Rab3d,Hexa,Clstn1,Ppp2r5b,Abcd1,Tbc1d22a,Trpt1,Alkbh6,Repin1,Synpo,Trappc2l,Guk1,Galns,Zbtb4,2700078K21Rik,Ergic3,Cdk5,Tmem154,Pxmp4,Dbp,Klf2,Ikbkg,Sema3f,Wscd2,Tbc1d9b,Lmna
mmu-miR-707	29(776)	0,000187443	Cat,Commd8,Prss29,Trpc7,Fbxo9,Sh3bgr,Smad6,Cd248,Ank2,Slc35a2,Clip1,Tob1,Grina,Itga9,P4ha2,Ascc1,Cables1,Ccdc80,C330006K01Rik,Atg4a,Mlycd,Tollip,Mustn1,Pcbd2,Cxcr7,Ptprm,Sema3f,Ckm,Scarb2
mmu-miR-715	31(776)	0,000194854	Ppp1r16a,Thra,Dtx2,Adra1b,Ecm1,Nt5m,Wnt9a,Abcb6,Hist2h2bb,Atp6v1e1,Trappc6a,Ank2,F630110N24Rik,Btf3l4,BC027231,Skap2,Ly6c1,Npdc1,Ahnak,Klf2,Kif13b,Ssbp2,Slc25a39,Zdhhc24,Gpr39,Acaa1a,Igfbp2,1810030N24Rik,Oplah,Ltbp3,Uchl1
mmu-miR-30b*	30(776)	0,00019849	Pank2,Gpx4,R74862,Dusp3,Sgcb,Dhrs1,Hexb,Ankra2,Gpr133,Alkbh6,Ero1l,Grina,Farp2,Nme2,Idua,Hist1h1e,Anxa1,Hbxip,Trak1,Ctsb,1300010F03Rik,Asb1,Nr2c1,Fbxl20,Fbn2,Adamtsl4,Ckm,Slc25a35,Igfbp2,Cacna1b
mmu-let-7i*	31(776)	0,000203429	Lgr4,Ascc2,Dhrs3,Ehd1,Abcb6,Cyp4v3,Gadd45b,Upk3b,Atp6v1e1,Tgfb2,Renbp,Armc8,Gramd3,Ccny,Anxa3,Cacna1g,Grina,Gdf15,Snta1,Mocs2,Adamtsl5,Pxmp4,Gpc4,1300010F03Rik,Cog6,Cox6a2,Hadhb,Slamf9,Cpeb1,Wdr7,Lrsam1
mmu-miR-130b	33(776)	0,000204417	Dym,Dtx2,Map3k8,Ubl4,Sh3bgr,Elmo2,Habp4,Stk39,Gadd45b,Atp9b,D6Wsu163e,Btf3l4,Mrgprf,Sgcb,Ankra2,Myom2,Ndel1,Grina,Ensa,Vdac1,Akap4,Plcb1,Ankrd29,Adamts2,Tanc2,Chchd6,Acyp2,Chmp4c,Hadhb,Tpp1,Tmem9b,Ankrd44,3110002H16Rik
mmu-miR-293	30(776)	0,000205473	Stmn3,Birc7,Hexa,Dynlrb1,Crybb3,Rhbdd1,Tmem87b,Ankra2,Myom2,Lgals9,Ccdc64,Farp2,Epb4.1l4b,Impdh1,Mfap5,Glt8d1,Bbs5,Ing4,Srp14,Slc39a14,Asb1,Ssbp2,Ikbkg,Htatip2,Acaa1a,Tom1l2,Cpeb1,2610019F03Rik,Chst12,Yif1a
mmu-miR-409-5p	32(776)	0,000205734	Ahnak2,Dtx2,Sqrdl,Commd8,Prss29,Gpx4,Alg14,5930434B04Rik,Habp4,Rassf3,Nudt13,Creb3,Tgfb2,Ank2,Tbcd,1810020D17Rik,BC027231,Gpr133,Galns,Wisp2,Rora,Shank3,2700078K21Rik,P4ha2,Serpinb9c,Mfap5,1810037I17Rik,2900026A02Rik,Cdkn1a,6330406I15Rik,Wdr7,Pcsk6
mmu-miR-191	29(776)	0,000208278	1300014I06Rik,Stmn3,Plb1,Kremen1,Fbxo9,Atp9b,D6Wsu163e,Cd248,Vps39,Gramd3,Anxa3,Dlg2,Zbtb4,Slc9a6,Tom1,Ppt2,Glt8d1,Pxmp4,Ctsl,Pdia5,Rab7l1,Ssbp2,Ptprm,Kif3a,Slamf9,Tubb2a,Satb1,Uchl1,Chpt1
mmu-miR-142-3p	30(776)	0,000225564	Ahnak2,Alg14,Rras,Inpp5a,Atp6v1e1,Creb3,Dusp3,Abcd1,Tmem87b,Ttc15,Qpct,Dusp8,Lrrc57,Glt8d1,Adar,Bbs5,1300010F03Rik,Def8,Pdia5,Acyp2,Il17d,Fzd8,Nr2c1,Vps24,Cdh7,Htatip2,Acaa1a,Tbc1d9b,Cyb5r3,Hint3
mmu-let-7b	34(776)	0,000226018	Ppp1r16a,Dtx2,Col14a1,Mcee,Rab4b,Rras,R74862,Prss36,Cyp4v3,Trappc6a,Akap13,Vps8,Gng5,Pigz,Lama2,Bmp4,Tcn2,Itgb1bp1,Chrd,Lnx1,Slc35b1,Ppt2,Glt8d1,Fabp3,Os9,Ing4,Gdap2,2010111I01Rik,Isca2,BC029214,Sema3f,1110034G24Rik,1810046J19Rik,Slamf9
mmu-miR-19b	31(776)	0,00022638	Snrpn,Mpv17,Sh3bgr,Wnt9a,Atp6v1e1,Btf3l4,Armc8,Skap2,Ankra2,Mkrn1,Suox,Rora,Slc9a6,Impdh1,St3gal5,Glt8d1,Itpr2,Ankrd29,Ahnak,Atp5s,Ptprm,Itfg3,Kif3a,Hadhb,Igbp1,1500011K16Rik,Scn1b,Ltbp3,Vps29,Hhip,Atp10d
mmu-miR-721	32(776)	0,000227093	Dym,Dtx2,Rab43,Cd81,Stk39,Gadd45b,D6Wsu163e,Adcy9,Sgcb,Armc8,Ankra2,Myom2,Ndel1,Dlg2,Ensa,Mfap5,Htra3,2310046K01Rik,Akap4,Mtcp1,Acyp2,Tbccd1,Ptprm,Hadhb,Tpp1,Slamf9,1500011K16Rik,Cpeb1,Vps29,Tmem9b,Ankrd44,3110002H16Rik
mmu-miR-27b*	27(776)	0,00023078	Bri3,Tlr6,Insig2,Sema3b,Cobl,AI593442,Trappc6a,2010003O02Rik,Bphl,Ascc1,Dusp8,Lrrc57,Iscu,Cdk5,Isca2,Zfand2b,Nr2c1,1110034G24Rik,Fbn2,Mras,Cbara1,Ckm,Scarb2,Igfbp2,Dusp22,Mtus1,3110002H16Rik
mmu-miR-615-3p	32(776)	0,000231823	Mrc2,Thra,Yif1b,Mpv17,Prss29,Rras,Smad6,Rassf3,Trpv4,Trappc6a,Ank2,Txnrd3,Tob1,Arl2,Ypel3,Shank3,Pbxip1,Ppt2,Lims2,Rell2,Bbs5,BC089491,Srp14,Atp6v0b,Zfand2b,Tanc2,Ptdss1,Vps24,Itfg3,Esrrb,C1qtnf1,Dmpk
mmu-miR-101b	34(776)	0,00025016	Ppp1r16a,Dym,Zfand3,Ap3s1,Dtx2,Map3k8,Sgca,Mcee,Trpc7,Smpdl3a,Rab38,Napb,Abcb6,Stam2,Ppapdc3,Ccdc64,Ndufa10,Mtap6,Ascc1,Mfap5,Mlycd,Ing4,Dopey2,Necap2,Srp14,Serf2,Htatip2,Ndrg4,Acaa1a,Cdkn2b,Tbc1d14,Fzd6,Atp6v0a1,Tubb2a
mmu-miR-505	30(776)	0,000264035	Fbxo9,Tmem135,Wnt9a,Cyp4v3,Vps39,Tgfb2,Rhbdd1,9430038I01Rik,Ap3m2,2900010M23Rik,4933439F18Rik,Lrrc57,Ulk2,Itpr2,Gdap2,Atg7,Plcb1,Gpc4,Ctsl,Atp6v0b,Atg12,Cyb5,Fzd8,Hck,1810027O10Rik,Mras,Tyrp1,Igfbp2,Fbxw4,Tubb2a
mmu-miR-873	31(776)	0,000267998	Hspa12a,Ascc2,Selm,Cyp27a1,Rab38,AI593442,Ppapdc3,Adcy9,Pld1,Arnt,Camk1,Sepw1,Myom2,Appl2,Nme2,Shank3,Slc9a6,P4ha2,Cables1,9130011J15Rik,S100a16,Mtcp1,Nol3,Tanc2,Tbccd1,Ssbp2,Hr,Ufc1,Hadhb,Uchl1,Dmpk
mmu-let-7d	33(776)	0,000284971	Ppp1r16a,Ifi35,Bri3,Mcee,Tmem41a,Rab4b,Alg14,Hexa,Sh3bgr,Rras,Elmo2,Atp6v0e,R74862,Cyp4v3,Trappc6a,Akap13,Gng5,Lmbr1,Camk1,Suox,Galns,Chrd,Slc35b1,Fabp3,Gdap2,Ugt2b36,Ikbkg,1110034G24Rik,1810046J19Rik,Kif3a,Slc25a35,Wscd2,Tubb2a

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-140*	29(776)	0,000289688	Usp2,Slc37a4,Higd1a,Adamts5,Serpinb6c,Sepw1,Trappc2l,Guk1,Ndel1,Ascc1,Ehd3,Glt8d1,Slc35c2,Exoc3,Mlycd,S100a16,4930523C07Rik,BC029214,Il17d,Tex264,Cxcr7,Fbxl20,Htatip2,1810046J19Rik,Stx7,Tbc1d14,Dusp22,Cacna1b,1700094D03Rik
mmu-miR-182	31(776)	0,000292629	Wdr47,Slc37a4,Ascc2,Gyg,S100a1,Papss2,Nt5m,Cobl,Mtap1a,Atp6v0e,Inpp5a,Nudt13,Copz2,Pld1,Tob1,Grina,Itgb1bp1,Lnx1,L1cam,Deb1,Tollip,Npdc1,Srp14,Galc,Rab7l1,Ugt2b36,6530401N04Rik,Asb1,Sema3f,Vps24,Slc2a8
mmu-miR-872	28(776)	0,000301517	Iah1,Sqrdl,Col14a1,Plb1,Gyg,Arvcf,Trpc7,Rab40b,Tgfb2,Serpinb6c,Slc7a7,BC027231,Ankra2,Cacna1g,Rasl12,Suox,Gstk1,Aldh6a1,Iscu,Ccdc80,4930523C07Rik,A930005H10Rik,Tbccd1,Nr2c1,Nhlrc1,1810030N24Rik,Wdr7,Hint3
mmu-let-7c	34(776)	0,000314159	Ppp1r16a,Dtx2,Mcee,Tmem41a,Rab4b,Alg14,Sh3bgr,Rras,R74862,Cyp4v3,Trappc6a,Akap13,Gng5,Lama2,Camk1,Galns,Tcn2,Chrd,Lnx1,Slc35b1,Ttll7,Fabp3,Ing4,Gdap2,Tollip,Isca2,BC029214,Tex264,Ikbkg,Sema3f,1110034G24Rik,6330406I15Rik,1810046J19Rik,Slamf9
mmu-miR-677	28(776)	0,000315566	Col14a1,Glrb,Hexa,Sh3bgr,Rras,Lyrm1,Dhrs1,Skap2,Slc46a3,Rragc,Guk1,Hsd3b3,Ascc1,Mfap5,Ccdc80,Glt8d1,Fabp3,Ulk2,Os9,Pde6d,Ahnak,Tanc2,Acyp2,Fbn2,Cog6,Slc25a35,Slamf9,Reck
mmu-miR-708*	25(776)	0,000322409	1810058I24Rik,Gpx4,Tlr6,Abcb6,Stk39,Iqsec2,1110007C09Rik,Cacna1g,Serpinb9b,Glt8d1,Psen2,Trak1,Zfand2b,Slc39a14,Ssbp2,Cxcr7,Slc2a6,Tuba8,Cpeb1,Tbc1d9b,Tmem38a,Satb1,Uchl1,1700094D03Rik,Aldh3a2
mmu-let-7g	33(776)	0,000326447	Ppp1r16a,Dtx2,Mcee,Sh3bgr,Rras,R74862,Cyp4v3,Trappc6a,Akap13,Gng5,Skap2,Ankra2,Gstk1,Itgb1bp1,Chrd,Slc35b1,Ttll7,Fabp3,Rell2,Mtm1,Isca2,BC029214,App,Ahnak,Zdhhc24,Ptprm,1110034G24Rik,6330406I15Rik,Kif3a,Tom1l2,Tpp1,Wscd2,Vps29
mmu-miR-34a	34(776)	0,000361235	Fbxo9,Hexa,Rras,Nudt13,Nfs1,1700009P17Rik,Ttc15,Rab3gap2,Tpcn1,Suox,Nfe2l1,Pbxip1,Nrip3,Deb1,Rell2,Serinc3,Atg7,BC089491,Mtcp1,Mustn1,Triap1,Mtm1,Ankrd29,Pde4dip,Slco3a1,Acyp2,Tex264,Ikbkg,Nhlrc1,Wscd2,Rhoj,Scn1b,Lmna,1700094D03Rik
mmu-miR-342-5p	30(776)	0,000362152	Sgca,Hexa,D16H22S680E,Slc16a9,Tbcd,Armc8,Slc44a1,Ccdc64,L1cam,Lims2,Ccdc80,Lrch1,S100a13,Os9,Ing4,Pltp,Isca2,Gabarap,Slc2a6,Hr,Ikbkg,Tom1l2,Atp6v0a1,Tbc1d9b,Chst12,Tubb2a,Oplah,Dmpk,Fads3,Aph1a
mmu-miR-503	30(776)	0,000368143	Pank2,Ahnak2,Thra,Usp2,Sgca,Kremen1,Arvcf,Rab4b,Higd1a,Atp6v1e1,Lyrm1,Pigz,Arl2,C1qtnf6,Rapsn,Ppt2,Ttll7,2310046K01Rik,Mlycd,S100a16,Srp14,1300010F03Rik,BC029214,Zfand2b,Slc25a39,Cbara1,Ckm,Dnajc4,Rabac1,Dmpk
mmu-miR-200b	33(776)	0,000369487	Pank2,Ugp2,Wdr47,Plb1,Crot,Lrrc51,Atp6v0e,Krt80,Stam2,Fn1,Serpinb6c,Slc35a2,Akap13,Slc44a1,Nipa1,Aldh6a1,P4ha2,St3gal5,Dusp8,Nrip3,Ccdc80,Tmem154,Ly6c1,Slc25a39,Acyp1,Scarb2,Slamf9,1500011K16Rik,Reck,Wdr7,Tubb2a,Npc1,Ankrd44
mmu-miR-217	29(776)	0,000374805	Zfp78,Kctd9,Col14a1,Magi3,Fbln5,Glrb,Rbms2,Emilin2,Fn1,Atp9b,Lyplal1,Skap2,Slc46a3,Fndc3b,Ttc15,Grik2,Iscu,Tmem154,Sned1,Dbp,Adamts2,Slc26a11,Sstr4,Tanc2,Asb1,Uqcrq,Kif3a,Acaa1a,Fbxw4
mmu-miR-671-3p	32(776)	0,000376395	Ppp1r16a,Ugp2,Kremen1,Trpc7,Krt80,Nudt13,Vps39,Copz2,Renbp,Pigz,Clip1,Emp2,Gstk1,Zbtb4,Cspg4,C1qtnf6,Ttll7,Sned1,Sorbs3,Mrpl55,Klf2,Kif13b,6530401N04Rik,Tex264,BC004004,Dhps,Scarb2,Tom1l2,Slc25a35,Igfbp2,Igbp1,Zfp704
mmu-miR-675-5p	32(776)	0,000376395	Yif1b,Bri3,Sgca,Slc37a4,Hadha,Kremen1,Atp6v0e,Cd81,Clstn1,Trpv4,Upk3b,Crybb3,Dusp3,Renbp,Myo6,Guk1,Tcn2,Rapsn,Dusp8,Tmem175,Rell2,Dner,Pltp,Srp14,Atp6v0b,1700016M24Rik,Tex264,Cdkn1a,Dhps,Atp6v0a1,Cpeb1,Camkk1
mmu-miR-654-3p	31(776)	0,000381689	Zfand3,Iah1,Kctd9,Ccdc126,Rab43,Commd8,Arvcf,Alg14,5930434B04Rik,Prss36,Tbcd,Akap13,Pld1,Vps8,Btf3l4,Tmem87b,Mapk4,Arhgef12,Shank3,Grik2,Nrip3,Mfap5,Rell2,Bbs5,Nol3,Dbp,Isca2,Tanc2,Cox6a2,Prelp,1700021C14Rik
mmu-miR-433	28(776)	0,000393196	Tssc4,Stmn3,Magi3,Dhrs3,Smpdl3a,Napb,Adamts5,Sync,Upk3b,F630110N24Rik,Tbcd,Slc44a1,Galns,Herpud2,Arl2,Lnx1,Hbxip,Bbs5,Vnn1,Mustn1,Dbp,Ctsl,Slc39a14,Ahnak,Bcmo1,Mxra7,Cox6b1,Zfp704
mmu-miR-701	28(776)	0,000401996	Slc37a4,Plb1,Samd8,Cobl,Fem1a,R74862,Smad6,Qk,Mxra8,9430038I01Rik,Cacna1g,Synpo,Zbtb4,Rapsn,P4ha2,Idua,Mlycd,Itpr2,Dopey2,BC089491,Gpc4,Slc41a3,Ugt2b36,Glipr1,Fbxl20,1110034G24Rik,6330406I15Rik,Igfbp2
mmu-miR-128a	31(776)	0,000415365	Ppp1r16a,Dym,Hadha,Rras,Smad6,Klf15,Nfs1,Sgcb,Clip1,Skap2,Guk1,Ypel3,Ascc1,Nrip3,Rell2,Psen2,Mlycd,Akap4,Sh2d4a,Grk4,Ankrd29,Npdc1,Galc,Il17d,Fbxl20,Sh3tc2,Tyrp1,1810046J19Rik,1810030N24Rik,Chst12,1700094D03Rik
mmu-miR-667	30(776)	0,000443319	Dtx2,Tssc4,Plb1,Trpc7,Sh3bgr,Creb3,Vps39,Iqsec2,BC027231,Arl2,Zbtb4,Tom1,P4ha2,Nudt7,Lims2,Zmat2,Ing4,Triap1,Necap2,Abhd5,Rab7l1,Cxcr7,Sema3f,Slc25a35,Ankrd12,Igfbp2,Tbc1d9b,Tmem38a,Limch1,Oplah
mmu-miR-770-5p	30(776)	0,000452461	Rpl17,Adc,Gyg,Tmem41a,Abcb6,Stam2,Tbcd,Adcy9,1810020D17Rik,Klk1b4,Dhrs1,Slc31a2,Cdc42ep2,Myo6,Chrd,Itga9,Ascc1,Idua,Mocs2,Pik3ip1,Ccdc80,Ing4,Sned1,Atp6v0b,Kif13b,6530401N04Rik,Tex264,Ndrg4,Igbp1,Cpeb1

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-433*	23(776)	0,000467081	Col14a1,Rab43,Adc,Stam2,Skap2,Arnt,Dok4,Ccdc64,Galns,Rora,Serpinb9c,Serpinb9b,Deb1,Hbxip,Mlycd,Ing4,Tollip,Srr,Sparc,Sh3tc2,Cdkn2b,Gas6,Yif1a
mmu-miR-298	27(776)	0,000472277	Dtx2,Rab4b,Elmo2,Atp6v0e,Gadd45b,Creb3,Slc35a2,Pigz,Suox,Galns,Arhgef12,Fabp3,Ing4,Mustn1,Srp14,1300010F03Rik,Klf2,Kif13b,Mxra7,Fbxl20,Cdkn1a,1810046J19Rik,Tbc1d9b,Lmna,Tubb2a,Cox6b1,2810428I15Rik
mmu-miR-713	28(776)	0,000472577	Dtx2,2310028O11Rik,Ecm1,Rpl17,Commd8,Crot,Insig2,Lrrc51,Cd81,Prss36,Sync,Vps8,Mrgprf,Anxa3,Tpcn1,Arl2,Wisp2,Iscu,Ccdc80,Zmat2,Ankrd29,2010111I01Rik,Cryab,Lrba,Ctsl,Slc26a11,Hck,Sh3tc2
mmu-miR-547	28(776)	0,000480899	Tcta,Magi3,D16H22S680E,Cyp4v3,Cd248,Tbcd,Mrgprf,5830405N20Rik,Ccdc64,Suox,Zbtb4,Slc9a6,Cables1,Adar,Itpr2,Nol3,Pxmp4,0610037L13Rik,Mrpl55,Tex264,Nr2c1,Vamp3,Vps24,Cdh7,Gpr39,Tom1l2,Cacna1b,3110002H16Rik
mmu-miR-465a-3p	31(776)	0,000482604	Zfand3,Ccdc126,Slc37a4,Adc,9030409G11Rik,Tlr6,Nt5m,Kcnn1,Caml,D6Wsu163e,Vps39,Dusp3,Anxa3,Arnt,Myo6,Ypel3,Rora,Rapsn,Lrrc57,Grik2,Adamtsl5,Naga,Grk4,2010111I01Rik,Ptprm,Cdh7,Clcn7,Cox6a2,Rhoj,Ltbp3,Yif1a
mmu-miR-207	25(776)	0,000482645	Thra,Adra1b,Sgca,Sh3bgr,Gadd45b,F630110N24Rik,Skap2,Alkbh6,Lgals9,Chrd,Slc9a6,Nfe2l1,Cspg4,Snta1,Ehd3,Cables1,Rell2,Nupr1,BC089491,Nenf,Hgsnat,Zfand2b,Mras,2900026A02Rik,Igfbp2
mmu-miR-218	28(776)	0,000483348	Commd8,Lgr4,Mpv17,Crot,Glrb,Adamts5,Stam2,Slc44a1,Cacna1g,Pdgfc,Tob1,Herpud2,Hsd3b3,Slc9a6,Mocs2,Ehd3,Htra3,Nkiras2,Mtcp1,Zfand2b,Acyp2,Il17d,Ptprm,Csrp2,Cox6a2,Slc25a35,1810030N24Rik,Tmub2
mmu-miR-215	29(776)	0,00048354	Tssc4,Ubl4,Prss29,Fbxo9,Ppapdc3,Caml,Clip1,Slc31a2,AI317395,Hoxa1,Pdgfc,Epb4.1l4b,Snta1,Lrrc57,Garnl3,9130011J15Rik,Hbxip,Atg4a,Ly6c1,Ing4,Mrpl55,Pcbd2,Sparc,Cog6,Ankrd12,Tbc1d14,Slc2a8,Npc1,Shroom3
mmu-miR-467a	34(776)	0,00048374	Ugp2,Magi3,Coq10a,Alg14,Hexa,Sh3bgr,Stam2,Clstn1,Hdlbp,Trpv4,Armc8,Ttc15,Mkrn1,Farp2,Nudt7,Dusp8,Serpinb9b,Ttll7,Htra3,Slc22a4,Bbs5,Trak1,Ntn4,Vnn1,Dopey2,2010111I01Rik,Ikbkg,Ufc1,Cdkn1a,Tom1l2,1700021C14Rik,Oplah,Dusp22,1700094D03Rik
mmu-miR-487b	29(776)	0,000487702	Dtx2,Rnf13,Kif27,Zbtb7c,Ascc2,Cyp27a1,Cd81,Cyp4v3,Rhbdd1,Skap2,Mxra8,Hoxa1,Tob1,Qpct,Lnx1,Mocs2,Asah1,Anxa1,Slc6a8,Sema3c,Slc26a11,Pcbd2,Rab7l1,Tbccd1,Acyp1,Cog6,Adamtsl4,Ankrd12,Immp1l
mmu-miR-199a-5p	32(776)	0,000507975	Ppp1r16a,Tssc4,Sgca,Fbxo9,Hexa,Sh3bgr,Sync,Iqsec2,Pld1,Pigz,Ndel1,Pik3ip1,Tmem175,Akap4,Grk4,Necap2,Def8,Tanc2,Tbccd1,Slc2a6,BC004004,Sparc,Csrp2,Daglb,Tom1l2,9930013L23Rik,Igfbp2,Gas6,Fbxw4,Atp6v0a1,Chst12,Cyb5r3
mmu-miR-324-5p	32(776)	0,000517689	Thra,Copg,Sgca,Cox4nb,Ascc2,Mpv17,Tcta,Clstn1,Cd248,F630110N24Rik,Tbcd,Slc7a7,Abcd1,1700009P17Rik,Suox,Chrd,Tom1,Nfe2l1,Myeov2,Psen2,Mlycd,Vdac1,Nkiras2,Triap1,Plcb1,Galc,App,Slco3a1,Nr2c1,Chmp4c,Acaa1a,Slc2a8
mmu-let-7a*	30(776)	0,0005211	Zfand3,Map3k8,Bri3,Slc37a4,Ascc2,Cobl,Sh3bgr,Caml,Atp9b,Btf3l4,Anxa3,Skap2,Myom2,Gdf15,Tom1,Snta1,St3gal5,Serpinb9c,Pon3,Plcb1,Ctsl,Klf2,Tbccd1,Ssbp2,Sema3f,Ufc1,Wdr7,Dusp22,Zfp704,Cacna1b
mmu-miR-709	36(776)	0,000539647	Acp2,Arvcf,Rab4b,1810058I24Rik,Nt5m,Hexa,Elmo2,Krt80,Nudt13,Trappc6a,Akap13,Vps8,Pigz,Cdc42ep2,Stx8,Tpcn1,Trim36,Suox,Itgb1bp1,Impdh1,2700078K21Rik,Rapsn,Mmaa,Pik3ip1,Adamtsl5,Os9,Ing4,Mtm1,1300010F03Rik,Ahnak,Hr,Vamp3,Mxra7,Sema3f,Slc25a35,Agl
mmu-let-7b*	30(776)	0,00054026	Zfand3,Dtx2,Bri3,Slc37a4,Ascc2,Sh3bgr,Abcb6,AI593442,Atp9b,Akap13,Btf3l4,Anxa3,Skap2,Myom2,Gdf15,Snta1,Fabp3,9130011J15Rik,Plcb1,Ctsl,App,Klf2,Pcbd2,Tbccd1,Sema3f,Ufc1,Ckm,Wdr7,Dusp22,Zfp704
mmu-miR-147	29(776)	0,000541125	Yif1b,Copg,Pef1,Trpc7,Alg14,Elmo2,Atp6v0e,Emilin2,Dscr3,AI593442,Upk3b,Atp9b,Lamb2,Vps8,Gabarapl1,Anxa3,Synpo,Chrd,Serpinb9b,Nupr1,Nol3,Pde6d,Pltp,Npdc1,2010111I01Rik,Cox6a2,Gas6,Tbc1d9b,Cyb5r3
mmu-miR-329	29(776)	0,000548041	Ahnak2,Dtx2,Adra1b,Stmn3,Fuca2,Nt5m,Fem1a,Clstn1,Smad6,Ank2,Slc7a7,Pld1,Tmem87b,Ttc15,Atp2a3,Synpo,Rora,Mlycd,Slc22a4,Os9,Sned1,4930523C07Rik,Def8,Ahnak,Tbccd1,Acaa1a,Igfbp2,Dusp22,Mtus1
mmu-miR-200c*	25(776)	0,000548321	Maob,Zhx1,Krt80,Ank2,Slc44a1,2900010M23Rik,Chrd,Cables1,Mmaa,Tmem175,Slc22a4,Ly6c1,Srp14,Tanc2,Gstp1,Htatip2,Sh3tc2,Acaa1a,Tom1l2,Cdkn2b,Wscd2,Atp6v0a1,Mdfic,Chst12,Uchl1
mmu-miR-378*	25(776)	0,000559282	Thra,Tssc4,Usp2,Sgca,Atp6v0e,Crybb3,Vps8,Armc8,Camk1,Cdc42ep2,Calml4,Lgals9,Shank3,Ascc1,Lrrc57,Tmem154,Mtcp1,Srr,Spata21,Atp5s,Nr2c1,Chmp4c,Cdkn1a,9930013L23Rik,Zfp704
mmu-miR-196b	32(776)	0,000574965	Pank2,Crat,Dtx2,Col14a1,Plb1,Upk3b,Atp6v1e1,Dynlrb1,Vps8,Gng5,Lmbr1,Lama2,9430038I01Rik,Alkbh6,Ttc15,2900010M23Rik,Arl2,Slc9a6,Cspg4,Myeov2,Cdk5,Deb1,Anxa1,Pde4dip,Def8,Tex264,Uqcrq,Cpa6,ORF63,Csrp2,Mras,Tyrp1
mmu-miR-876-3p	30(776)	0,000596786	Rnf13,Snap91,Gnptg,Pmp22,Lgr4,Fuca2,Crot,Wnt9a,Gng5,Anxa3,Arnt,Alkbh6,Rab3gap2,Tpcn1,2010003O02Rik,Myeov2,Glt8d1,Adamtsl5,Ly6c1,Mustn1,Slco3a1,Pcbd2,Cyb5,Cpa6,Acyp1,Mras,Cdkn2b,Cyb5r3,Cox6b1,Immp1l
mmu-miR-302d	31(776)	0,000601944	Maob,Papss2,Ehd1,Emilin2,Loxl1,Crybb3,Dhrs1,Rragc,2010003O02Rik,Nudt7,2700078E11Rik,Serpinb9b,9130011J15Rik,Os9,Serinc3,Triap1,Pde4dip,1810037I17Rik,Clip4,Rab7l1,Nr2c1,Csrp2,Mras,Sh3tc2,Cdkn1a,Cpeb1,Wdr7,Uchl1,Zfp704,1700094D03Rik,Ankrd44

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-190	26(776)	0,000602075	Mcee,Ctbs,Cd81,BC027231,Lama2,Rab3gap2,Grik2,Dopey2,Mtcp1,Tollip,Plcb1,Mtm1,Cryab,Isca2,Glo1,Cyb5,Ugt2b36,Cdh7,Acyp1,Cox6a2,Gas6,Chst12,Tmem50b,Hint3,Immp1l,Mtus1
mmu-miR-129-3p	29(776)	0,000604891	Kif27,Tbc1d10a,Sync,Nudt13,Clip1,Lgals9,Arl2,Tom1,St3gal5,Mocs2,Nrip3,Pik3ip1,Ppm1h,Tmem175,Atg7,Dopey2,BC089491,Cryab,Lrp4,Ahnak,Clip4,Ikbkg,Sema3f,Fbxl20,Cox6a2,Gas6,Rabac1,Fads3,Shroom3
mmu-miR-759	27(776)	0,000618404	Ugp2,Sgca,Stmn3,Camk4,Mpv17,Smpdl3a,Atp6v0e,Cd81,Smad6,Ank2,Crybb3,Copz2,Mrgprf,Gramd3,Lmbr1,Dhrs1,2010003O02Rik,Rasl12,St3gal5,Tmem175,Hbxip,Slc26a11,Gabarap,Cog6,Cox6a2,1500011K16Rik,Immp1l
mmu-miR-1	27(776)	0,000618404	Sh3bgr,Mtap1a,Abcb6,Fn1,Gadd45b,D6Wsu163e,Ank2,Btf3l4,Sgcb,Dgkg,Lmbr1,Hexb,2010003O02Rik,P4ha2,Lrch1,Dopey2,Pde6d,Ankrd29,App,Def8,Vps24,Fbn2,Dhps,Kif3a,Cpeb1,Hhip,Npc1
mmu-miR-135a*	25(776)	0,000619559	Usp2,Stmn3,Slc37a4,Mpv17,S100a1,Lactb2,Rab3d,Amhr2,Slc46a3,Arnt,Bmp4,Gstm2,Arl2,Ppt2,Glt8d1,Os9,0610037L13Rik,Chchd6,Ptprm,Ufc1,Gpr39,Slc25a35,Igfbp2,Rabac1,Vps29
mmu-miR-488*	24(776)	0,000620167	Sgca,Stmn3,Smpdl3a,Cyp27a1,Mrgprf,Galns,C1qtnf6,Dusp8,Nrip3,Ly6c1,Hgsnat,Mrpl55,Cyb5,Kif13b,Tex264,Serf2,Cog6,Csrp2,Cdkn1a,Cox6a2,Igfbp2,Wdr7,Ltbp3,1700094D03Rik
mmu-miR-92b	32(776)	0,000635514	Ugp2,Sgca,Rab43,Lgr4,Nt5m,Hexa,Adamts5,Smad6,Serpinb6c,Slc35a2,Dgkg,Gramd3,Anxa3,Slc31a2,Gstm2,Herpud2,Riok3,Asah1,Tmem154,Ing4,Gdap2,Mustn1,Sirt2,Klf2,Asb1,Fbn2,Dnajc4,Cdkn2b,Igbp1,Dusp22,Atp10d,Mcl1
mmu-miR-30c	31(776)	0,00064235	Ppp1r16a,Pank2,Fech,Tmem41a,Magi3,Vps39,Ank2,Vps8,Gramd3,Emp2,Ankra2,5830405N20Rik,Hoxa1,P4ha2,Ccdc80,Anxa1,Tmem175,Psen2,Vdac1,Bbs5,Ankrd29,Frmpd1,Atg12,Ahnak,Pcbd2,Fbxl20,Slc41a2,Afap1l2,Fbxw4,Wdr7,Chst12
mmu-miR-380-3p	26(776)	0,000663506	Oit3,Wdr47,Commd8,Alg14,Rbms2,Prss36,Dusp3,Slc7a7,Ankra2,Rab3gap2,Qpct,Nipa1,Alas1,Slc9a6,Cables1,Ing4,Frmpd1,Lrba,App,Cyb5,Il17d,Chmp4c,Cdh7,Clcn7,Gas6,Pcsk6
mmu-miR-300*	23(776)	0,000664005	Adra1b,Adc,Mpv17,Ehd1,Ppapdc3,Atp9b,Slc35a2,Tbc1d22a,Gng5,2900010M23Rik,2010003O02Rik,Arl2,Nme2,Serpinb9c,Ccdc80,Psen2,Ing4,Tollip,4930523C07Rik,Cyb5,Acyp2,Acyp1,Cpeb1
mmu-miR-708	26(776)	0,000675953	Pank2,Thra,Dtx2,Stmn3,Kif27,Tmem41a,Lamb2,Copz2,Renbp,Lmbr1,Clip1,Sepw1,Ndel1,Itgb1bp1,Wwp2,Ppt2,Lrrc57,Cdk5,9130011J15Rik,4930523C07Rik,Srr,Def8,Slc39a14,Clip4,Fbxw4,Cacna1b
mmu-miR-295*	21(776)	0,000693655	Fech,Copg,Fem1a,Napb,Slc6a6,Nudt13,Vps8,Arnt,Mkrn1,Mlycd,Pdia5,Gabarap,Mrpl55,Spata21,Csrp2,Mras,Dhps,Slc25a35,Cdkn2b,Igbp1,Aldh3a2
mmu-miR-551b	26(776)	0,000706696	Mrc2,Plb1,Hadha,Cox4nb,Prss29,Gpx4,Cd81,Trpv4,Dhrs1,9430038I01Rik,Gstm2,Arhgef12,Dusp8,Nkiras2,Ing4,S100a16,Nol3,Plcb1,Isca2,Klf2,Cog6,Rhoj,Yif1a,Atp10d,Aldh3a2,Ankrd44
mmu-miR-18a*	23(776)	0,000713076	Pank2,Thra,Sgca,Elmo2,Ppp2r5b,Trappc6a,Iqsec2,Slc7a7,Clip1,Alkbh6,Bmp4,Tpcn1,Grina,Nfe2l1,Cdk5,Nupr1,Mtcp1,Mras,Igbp1,Tmem38a,Cyb5r3,Lmna,Yif1a
mmu-miR-697	28(776)	0,000730281	1300014I06Rik,Tssc4,Rpl17,Gpx4,Slc39a3,Lrrc51,Tbc1d10a,Habp4,D16H22S680E,Clstn1,Creb3,Tbcd,Akap13,Rhbdd1,Armc8,5830405N20Rik,Myo6,Repin1,Myom2,L1cam,2310046K01Rik,Mlycd,Slc22a4,Pde4dip,Ufc1,6330406I15Rik,Ltbp3,1700094D03Rik
mmu-miR-107	29(776)	0,000731742	Tmem41a,Rab40b,Hist2h2bb,Mtmr3,Slc35a2,Armc8,Cry2,Klk1b4,1700009P17Rik,Gstm2,Arl2,Ndufa10,Ypel3,Cspg4,Lrrc57,Fabp3,Mlycd,BC089491,0610037L13Rik,Acyp2,Asb1,Ptprm,Tuba8,Cbara1,Acaa1a,Mtss1,Afap1l2,Agl,Shroom3
mmu-miR-21*	26(776)	0,000733255	Pank2,Ahnak2,Dym,Arvcf,Rras,Emilin2,Neu1,Tbcd,Skap2,Txnrd3,Ndufa10,Hsd3b3,Shank3,4933439F18Rik,Ppt2,Glt8d1,C330006K01Rik,Dopey2,Nol3,Ctsb,1300010F03Rik,BC029214,Ahnak,Slc25a39,Tom1l2,Tmub2
mmu-miR-28*	23(776)	0,000743883	Mrc2,Stmn3,Cat,Kif27,Commd8,Lactb2,Gpx4,Ank2,Dhrs1,Tmco3,Arnt,Hsd3b3,Stard6,Iscu,Glt8d1,Ing4,Sned1,Slc2a6,Mxra7,BC046404,Adamtsl4,Tmem38a,Zfp704
mmu-miR-489	28(776)	0,000755427	Sh3bgr,Napb,Loxl1,Creb3,Amhr2,Adcy9,1700009P17Rik,Npy6r,Qpct,Tcn2,Ndufa10,Impdh1,Grik2,Cdk5,Deb1,Lrch1,1110003E01Rik,Trak1,Triap1,Srp14,Rab7l1,Il17d,Fbxl20,Cdh7,Nhlrc1,1810030N24Rik,Tmem38a,Dusp22
mmu-miR-682	29(776)	0,000755913	Dym,Tssc4,2310028O11Rik,Fbxo9,Sh3bgr,Armc8,Dhrs1,Skap2,Slc44a1,Npy6r,Arhgef12,Slc35c2,Psen2,Bbs5,Ing4,4930523C07Rik,Ctsb,2010111I01Rik,Atp6v0b,Tm9sf4,Kif13b,Asb1,Kif3a,Slc25a35,Wdr7,Limch1,Pcsk6,Cacna1b,Mtus1
mmu-miR-183	30(776)	0,000761104	Fech,Tssc4,Rpl17,Ascc2,Glrb,Npc2,Slc35a2,Gng5,Anxa3,Skap2,Ndufa10,Serpinb9b,Htra3,Deb1,C330006K01Rik,Garnl3,Psen2,Itpr2,Nkiras2,Mustn1,Pltp,Srp14,Sstr4,Tanc2,Slc41a3,Ptdss1,Hadhb,Prelp,Hint3,Chpt1
mmu-miR-540-5p	30(776)	0,000775872	Ppp1r16a,Sqrdl,Adra1b,Wnt9a,Upk3b,Klf15,Iqsec2,Acox1,Synpo,Guk1,Slc9a6,Nfe2l1,Pbxip1,Wwp2,Ascc1,Nudt7,Idua,Lims2,Ppm1h,Os9,Nkiras2,Ankrd29,1810037I17Rik,Mrpl55,Asb1,Ikbkg,Sh3tc2,Cyb5r3,Pcsk6,Mcl1
mmu-miR-184	28(776)	0,000789107	Col14a1,Zbtb7c,Tmem41a,Wnt9a,Iqsec2,Serpinb6c,Adcy9,BC027231,Slc46a3,Chrd,2700078K21Rik,Ascc1,St3gal5,Tmem175,Zfp560,Naga,Akap4,Dopey2,Ankrd29,Npdc1,BC029214,Slc39a14,Ckm,Atp6v0a1,Rabac1,Cox6b1,Uchl1,Dmpk

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-409-3p	28(776)	0,000789107	Pank2,Ap3s1,Plb1,Hspa12a,Mpv17,Trpc7,Smpdl3a,Hdlbp,Ank2,F630110N24Rik,Vps8,Clip1,2010003O02Rik,Itga9,Stard6,L1cam,Mocs2,Pon3,Rdh12,Zfp560,Vnn1,Akap4,Sned1,Npdc1,Hadhb,Tpp1,Npc1,Shroom3
mmu-miR-214*	22(776)	0,00079389	Slc37a4,Selm,Sema3b,Rhbdd1,Adcy9,BC027231,Sepw1,Repin1,Zbtb4,Bphl,Nudt7,Dusp8,Deb1,Nupr1,Naga,Ntn4,Tbccd1,Tuba8,Gpr39,Cox6a2,Atp5e,Chst12
mmu-miR-488	26(776)	0,0007948	Ascc2,Zdhhc4,Insig2,Sh3bgr,Sync,Caml,Slc35a2,Clip1,Slc44a1,Riok3,Nudt7,Dusp8,Nrip3,2310046K01Rik,Itpr2,Pcyt1a,A930005H10Rik,Sstr4,Cyb5,Glipr1,Fbxl20,Cpa6,Csrp2,1810046J19Rik,Cacna1b,Shroom3
mmu-miR-34c*	24(776)	0,000796567	Ccdc126,Habp4,Fn1,Armc8,Myom2,Mkrn1,Qpct,Ndufa10,Lnx1,Slc9a6,Hist1h1e,Dusp8,Megf6,Deb1,Ly6c1,Trak1,Tollip,Pltp,Gpc4,Ahnak,Ypel5,Cdh7,1700021C14Rik,Dusp22
mmu-miR-29a*	27(776)	0,000799097	Ap3s1,Lgr4,Birc7,Insig2,Cd81,Kcnn1,Vps39,1810020D17Rik,Anxa3,Camk1,Ndufa10,Bphl,Mocs2,Iscu,C330006K01Rik,Nupr1,Vnn1,Mtcp1,2010111I01Rik,Ahnak,Slco3a1,Usp53,Nr2c1,BC046404,Cdh7,Htatip2,Sh3tc2
mmu-miR-546	28(776)	0,000805365	Zfand3,Dtx2,Hspa12a,Ascc2,Prss29,Dhrs3,Nt5m,Hexa,Rras,Krt80,Klf15,Mrgprf,Pigz,Mxra8,Sepw1,Repin1,Grina,Wisp2,Isca2,Klf2,Kif13b,6530401N04Rik,Itfg3,Acyp1,Fbxw4,Tmub2,Uchl1,Vps29
mmu-miR-685	28(776)	0,000841677	Zfand3,Hadha,Rab4b,Abcb6,Adamts5,Nudt13,Slc7a7,Skap2,Mxra8,Slc31a2,Lgals9,Grina,Ndufa10,Arhgef12,Ppt2,Rdh12,Vdac1,Itpr2,Slc39a14,Mrpl55,Clip4,Asb1,Hck,Trp53inp2,Ckm,Kif3a,Tom1l2,Chpt1
mmu-miR-139-3p	29(776)	0,000872385	Zfand3,Slc37a4,Plb1,Ascc2,Mal,Emilin2,Vps8,Rarres2,Tmem87b,Sepw1,Atp2a3,Trappc2l,Myeov2,Mtap6,Wdr54,Adar,9130011J15Rik,Slc35c2,Psen2,Dopey2,Ssbp2,Uqcrq,Htatip2,Fbn2,Adamtsl4,Ckm,Afap1l2,Wscd2,Rabac1
mmu-miR-302c*	27(776)	0,000878021	Rab43,Snrpn,Slc6a7,Tmem41a,Crot,Trpc7,Napb,Stam2,Vps8,Lama2,Ap3m2,Tob1,Slc9a6,Bphl,Mocs2,Cables1,Deb1,Tmem154,9130011J15Rik,Ing4,Triap1,Pde4dip,Slc2a6,1810027O10Rik,Atp6v0a1,Chst12,Oplah
mmu-miR-192	27(776)	0,000893381	Tssc4,Prss29,Gpx4,Fbxo9,Clstn1,Ppapdc3,Hdlbp,Atp6v1e1,Clip1,Ttc15,Hoxa1,Epb4.1l4b,Snta1,Lrrc57,Tmem154,Garnl3,9130011J15Rik,Atg4a,Abtb2,Ahnak,Mrpl55,Cog6,Ankrd12,Tbc1d14,Slc2a8,Npc1,Shroom3
mmu-let-7f	30(776)	0,000893957	Ppp1r16a,Dtx2,Mcee,Cat,Rab4b,Alg14,Hexa,Sh3bgr,Rras,Elmo2,R74862,Cyp4v3,Akap13,Gng5,Chrd,Lnx1,Slc35b1,Riok3,Ppt2,Fabp3,Gdap2,Mtm1,Isca2,App,Ugt2b36,Zdhhc24,Ikbkg,1110034G24Rik,6330406I15Rik,Kif3a
mmu-miR-292-5p	31(776)	0,000929655	Tssc4,Copg,Rpl17,Commd8,3830406C13Rik,Fem1a,Znrf2,Loxl1,Cd248,Crybb3,Vps8,Lhfpl2,Nipa1,Tcn2,Zbtb4,L1cam,P4ha2,Gpc4,Isca2,Gabarap,Mrpl55,Fzd8,Slc1a4,Uqcrq,Dhps,Slc2a8,Lmna,Limch1,Hint3,Shroom3,Ankrd44
mmu-miR-330*	25(776)	0,000942361	Fbxo9,Atp9b,Cd248,Tbcd,Sepw1,Txnrd3,Mkrn1,Trappc2l,2700078K21Rik,Anxa1,Zdhhc8,Ing4,Plcb1,Ctsb,Srp14,Atg12,Sstr4,Asb1,Ptprm,Ikbkg,Cog6,Sh3tc2,Igbp1,Tbc1d9b,Yif1a
mmu-miR-103	29(776)	0,00095791	Tmem41a,Elmo2,Rab40b,Znrf2,Hist2h2bb,Armc8,Klk1b4,1700009P17Rik,Calml4,Ttc15,Gstm2,Cspg4,Lrrc57,Cables1,Fabp3,Mlycd,Dopey2,BC089491,0610037L13Rik,Pde4dip,Acyp2,Ptprm,Tuba8,Cbara1,Acaa1a,Mtss1,Agl,Dusp22,Shroom3
mmu-miR-327	27(776)	0,000993772	Ppp1r16a,Bri3,Ascc2,Sh3bgr,Rras,Cyp4v3,Sync,Cd248,Dgkg,Qk,Sepw1,Dok4,Tcn2,Ypel3,Gdf15,P4ha2,Adar,Naga,Mtcp1,Klf2,Slc41a3,Nr2c1,Ptprm,Ufc1,Ckm,Igbp1,Aldh3a2
mmu-miR-455*	22(776)	0,00109843	S100a1,Trpc7,Gpx4,Rhbdd1,Myom2,Qpct,Herpud2,Farp2,Lnx1,Lims2,0610037L13Rik,Gabarap,Pcbd2,Tbccd1,Asb1,Sema3f,1810027O10Rik,1110034G24Rik,Slc25a35,Ankrd12,Wdr7,Zfp704
mmu-miR-126-3p	28(776)	0,00110112	Col14a1,Ccdc126,Crot,Smad6,Ankra2,Calml4,Myom2,Nipa1,Lnx1,A430110N23Rik,Stard6,Tom1,P4ha2,Mfap5,Lims2,Mlycd,Os9,Ing4,Mustn1,Pltp,Npdc1,Slc26a11,Cpa6,Gpr39,Tyrp1,Ankrd12,Chst12,Tubb2a
mmu-miR-20b*	25(776)	0,0011058	Zfand3,Fbxo9,Nt5m,Sh3bgr,Caml,Vps8,Armc8,Zbtb4,Cspg4,Ehd3,Lrrc57,Tmem175,Bbs5,Ctsb,Atp6v0b,A930005H10Rik,Atp5s,Hck,Dpm2,Fbn2,Csrp2,Rabac1,Pcsk6,Vps29,Aldh3a2
mmu-miR-699	28(776)	0,00111904	Ifi35,2310028O11Rik,Ecm1,Fbxo9,Hexa,Sh3bgr,Rras,Nudt13,Nfs1,Trappc6a,F630110N24Rik,Tpcn1,Tom1,Pbxip1,Nrip3,Rell2,Ankrd29,Atp6v0b,Acyp2,Tex264,Slc2a6,Hr,Ptprm,Ndrg4,Cog6,Mras,Wscd2,Pcsk6
mmu-miR-450a-3p	29(776)	0,00112328	Iah1,Copg,Slc37a4,Plb1,Fbxo9,Adamts5,Caml,Atp9b,Loxl1,Creb3,Cd248,Copz2,Dab2ip,Lyrm1,Clip1,Sepw1,Apoa1bp,Shank3,P4ha2,Snta1,Adamtsl5,Mustn1,1300010F03Rik,Sirt2,Klf2,Sema3f,Igfbp2,Ltbp3,1700094D03Rik
mmu-miR-541	25(776)	0,0011507	Pank2,Slc37a4,Birc7,Prss36,Sync,Caml,Anxa3,Arnt,5830405N20Rik,Nme2,Mlycd,Sh2d4a,Adamts2,Zfand2b,Gabarap,Tanc2,Il17d,Uqcrq,Ptprm,Hck,1810046J19Rik,Scarb2,Igfbp2,Rhoj,Zfp704
mmu-miR-15b	30(776)	0,00119188	Dym,Bri3,Tmem41a,Rab4b,Skap2,Slc46a3,Arl2,Ypel3,Shank3,C1qtnf6,Rapsn,St3gal5,Lrrc57,Glt8d1,Mlycd,Ly6c1,S100a16,Dopey2,0610037L13Rik,Srp14,Frmpd1,Zfand2b,Def8,Asb1,Slc25a39,Nr2c1,Itfg3,Cdkn1a,Rabac1,Zfp704
mmu-miR-202-5p	27(776)	0,00119199	Rnf13,Tssc4,Bri3,Adra1b,Commd8,Pmp22,Smpdl3a,Higd1a,Aldh7a1,D16H22S680E,Ppapdc3,Neu1,Tgfb2,Copz2,Clip1,Slc44a1,Slc9a6,Ulk2,Atg7,Slc26a11,1300010F03Rik,Clip4,Tbccd1,Vps24,Fbxl20,Acaa1a,Tmub2
mmu-miR-493	27(776)	0,00119199	Sqrdl,Map3k8,Atp6v0e,Abcb6,Cd248,Pld1,Mrgprf,Clip1,Bmp4,Ypel3,Pbxip1,Hist1h1e,Dusp8,Capn5,Rdh12,Grk4,Necap2,Clip4,Usp53,Ptdss1,Ptprm,1110034G24Rik,Fbn2,Dnajc4,1810030N24Rik,Wdr7,Zfp704

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-679	26(776)	0,00122364	Ppp1r16a,Rnf13,2310028O11Rik,Sgca,Plb1,Slc6a7,Pmp22,S100a1,Selm,Smpdl3a,Nt5m,Rbms2,Gpr133,Slc44a1,Rragc,Cacna1g,Rab3gap2,Herpud2,Grik2,Dopey2,Synpo2,Slc25a39,Ptprm,Sema3f,Dpm2,C1qtnf5
mmu-miR-30a	30(776)	0,00124605	Ppp1r16a,Fech,Tmem41a,Smpdl3a,Cyp4v3,Stk39,Ank2,Vps8,Gramd3,Pigz,Ankra2,5830405N20Rik,Dok4,P4ha2,Anxa1,Tmem175,Vdac1,Slc22a4,Frmpd1,1300010F03Rik,1810037I17Rik,Pcbd2,Ssfa2,Fbxl20,Slc41a2,Afap1l2,Fbxw4,Cpeb1,Chst12,Dusp22
mmu-miR-33	28(776)	0,00124837	Dtx2,Rab43,Kif27,Lgr4,Zdhhc4,Crot,Cd81,Adamts5,Dynlrb1,Anxa3,Slc46a3,9430038I01Rik,Mapk4,Herpud2,Lnx1,Aldh6a1,Bphl,Ing4,Gpc4,Slc39a14,Acyp2,Ugt2b36,Asb1,Atp5s,Fbn2,Sh3tc2,Cbara1,Hadhb
mmu-miR-485*	23(776)	0,00125185	Adra1b,Kif27,Smpdl3a,Cyp27a1,Mtap1a,Smad6,Trpt1,Mxra8,Gstm2,L1cam,P4ha2,Deb1,Ly6c1,Ing4,Sh2d4a,Slc26a11,1300010F03Rik,Def8,Pcbd2,Rab7l1,Atp5s,Igfbp2,Atp10d
mmu-miR-509-5p	29(776)	0,00126382	Mrc2,Col14a1,Usp2,Mpv17,Prss29,Fbxo9,Cobl,Clstn1,Ppp2r5b,1700009P17Rik,9430038I01Rik,Pdgfc,Myeov2,2700078K21Rik,Snta1,St3gal5,Lrrc57,Rdh12,Mlycd,Ly6c1,Zmat2,Isca2,1810037I17Rik,Ptprm,Ssfa2,Ufc1,1810046J19Rik,Chst12,Satb1
mmu-miR-302c	29(776)	0,00126382	Maob,Nt5m,Emilin2,Cyp4v3,Loxl1,Nfs1,Skap2,Ttc15,Rragc,Arl2,Rora,Nudt7,2700078E11Rik,Serpinb9b,9130011J15Rik,Pxmp4,Impact,Atp6v0b,Zfand2b,Ahnak,Rab7l1,Synpo2,Atp5s,Ikbkg,Ufc1,Htatip2,Nhlrc1,Atp5e,Fbxw4
mmu-miR-452	26(776)	0,00126662	Plb1,Hadha,Insig2,Rab40b,Trappc6a,Pld1,Mrgprf,Skap2,Arnt,Ttc15,Myom2,Slc9a6,Bphl,Ascc1,Mlycd,Grk4,Hgsnat,Klf2,Pcbd2,Cyb5,Tex264,Htatip2,Fbn2,Tmub2,Uchl1,Hint3
mmu-miR-500	27(776)	0,0012739	Adra1b,Snrpn,Mpv17,Selm,Rab38,R74862,Smad6,Dusp3,1810020D17Rik,Sepw1,Galns,Grina,Ypel3,Sec22c,Deb1,Psen2,Nkiras2,Ing4,Npdc1,Dirc2,Asb1,Tex264,Arhgap1,Lynx1,Limch1,Hhip,Aldh3a2
mmu-miR-145*	20(776)	0,0012962	Fech,Maob,Mpv17,Selm,Sema3b,Creb3,Vps39,Amhr2,Lgals9,Trim36,2010003O02Rik,Ppt2,Rell2,Mtcp1,Npdc1,Zfand2b,Nr2c1,Zfp704,Dmpk,Shroom3
mmu-miR-34b-3p	28(776)	0,00130518	Zfand3,Sqrdl,Ccdc126,Pef1,Dusp3,Bace1,Armc8,9430038I01Rik,Myom2,Mkrn1,Qpct,Ndufa10,Lnx1,Slc9a6,C1qtnf6,Dusp8,Deb1,Tmem175,Ly6c1,Tollip,Pltp,Gpc4,Necap2,Ypel5,6430548M08Rik,Atp6v0a1,1700021C14Rik,Dusp22
mmu-miR-10a*	23(776)	0,00131503	Map3k8,Stmn3,Lgr4,Hspa12a,Atp6v0e,Hdlbp,Gramd3,Arnt,9430038I01Rik,Tmem140,Slc9a6,Mfap5,Pon3,Ly6c1,Zmat2,Pdia5,Ptprm,Cdh7,Cbara1,Fzd6,Atp6v0a1,1700094D03Rik,Immp1l
mmu-miR-29c*	26(776)	0,00132107	Ifi35,Birc7,Tcta,Prss29,Tlr6,Higd1a,Nt5m,Hist2h2bb,Akap13,1810020D17Rik,Trpt1,Ttc15,Rora,Mtap6,Nudt7,Garnl3,Triap1,Slc39a14,4930579G22Rik,Gpr39,Nhlrc1,Slc25a35,Afap1l2,Slamf9,Camkk1,Satb1
mmu-miR-200b*	24(776)	0,00132378	Gtf2h5,Zhx1,Smpdl3a,Dscr3,D6Wsu163e,Cd248,Sgcb,Tmco3,Rab3gap2,Galns,Ascc1,Nudt7,Tmem175,Exoc3,Slc22a4,Tanc2,Rab7l1,Il17d,Usp53,Cdkn2b,1500011K16Rik,Wdr7,Chst12,Atp10d
mmu-miR-670	28(776)	0,00132606	Ppp1r16a,Pank2,Plb1,Fbxo9,Rab38,Ppapdc3,Neu1,Ppp2r5b,D6Wsu163e,Adcy9,Klk1b4,Slc46a3,Dlg2,Rapsn,Psen2,Mlycd,Triap1,Pxmp4,Lrp4,Mrpl55,Sirt2,Mxra7,Chmp4c,Cdh7,Itfg3,Sh3tc2,Fbxw4,Atp10d
mmu-miR-469	25(776)	0,00135344	Thra,Sgca,Gpx4,Hexa,Sh3bgr,Gadd45b,Caml,Crybb3,Slc35a2,Grina,Cspg4,Impdh1,Slc35b1,Snta1,Adar,Ly6c1,Hgsnat,Zfand2b,Gabarap,4930579G22Rik,Cox6a2,Gas6,Igbp1,2810428I15Rik,Shroom3
mmu-miR-467b	32(776)	0,00135632	Ahnak2,Tmem41a,Coq10a,Aldh7a1,Sh3bgr,Cd81,Trpv4,Lmbr1,Ttc15,Txnrd3,Ndel1,Farp2,Pbxip1,C1qtnf6,Nudt7,Serpinb9b,Ttll7,Glt8d1,Trak1,Ntn4,Mmab,1810037I17Rik,Gabarap,Rab7l1,Csrp2,Mras,Cdkn1a,Tom1l2,Stx7,Wdr7,Oplah,Uchl1
mmu-miR-574-3p	29(776)	0,00136432	Acp2,Iah1,Adra1b,Rab43,Cox4nb,Ascc2,Nudt13,Loxl1,Tmco3,Ephb3,Trappc2l,Shank3,Riok3,Wwp2,Nudt7,Mocs2,Pik3ip1,Vdac1,Os9,Trak1,Nol3,Sh2d4a,App,Rab7l1,Acyp1,Cog6,Cyb5r3,Dusp22,Mtus1
mmu-miR-199a-3p	28(776)	0,00139056	Wdr47,2310028O11Rik,Sh3bgr,Fn1,Ank2,Amhr2,Tmem87b,Qk,Stx8,Trim36,Qpct,Chrd,Nme2,Hectd3,Glt8d1,Srr,Srp14,1300010F03Rik,Def8,Acyp2,Ugt2b36,Csrp2,Tom1l2,Fbxw4,Chst12,Cox6b1,Immp1l,Aldh3a2
mmu-miR-696	26(776)	0,00139515	1300014I06Rik,Pank2,Zfand3,2310028O11Rik,Usp2,Alg14,Fn1,Lamb2,D6Wsu163e,Dusp3,Tbcd,Pld1,Armc8,Gabarapl1,Slc46a3,5830405N20Rik,Pdgfc,Ccdc64,Nudt7,C330006K01Rik,Ly6c1,Slc26a11,Uchl1,1700094D03Rik,Mtus1,Chpt1
mmu-miR-743b-3p	27(776)	0,001434	Iah1,Stmn3,Cat,Lgr4,Ascc2,Insig2,Sh3bgr,Abcd1,Fndc3b,5830405N20Rik,Npy6r,Fbxl2,2010003O02Rik,Qpct,Stard6,Alas1,P4ha2,Asah1,Mtcp1,Grk4,1700016M24Rik,Tanc2,Vps24,Mras,Mrps14,Cpeb1,Cox6b1
mmu-miR-758	27(776)	0,001434	Copg,Plb1,Prss29,Cyp27a1,Wnt9a,Cyp4v3,Klf15,D6Wsu163e,Trappc6a,Tbcd,Pigz,Tob1,Ndel1,Tcn2,Slc35b1,Atg4a,Zfp560,Zmat2,Pxmp4,Srr,Tuba8,Ufc1,Fbxl20,Acaa1a,Cpeb1,Uchl1,Cacna1b
mmu-miR-15a	29(776)	0,00146331	Dym,Bri3,Tcta,Tmem41a,Rab4b,D16H22S680E,Rab40b,Mtmr3,Gpr133,Fbxl2,2010003O02Rik,Arl2,Ypel3,Shank3,Rapsn,Nudt7,Mlycd,Ly6c1,Sned1,Dopey2,Nol3,0610037L13Rik,Srp14,Frmpd1,Pde4dip,Zfand2b,Itfg3,Ckm,Rabac1
mmu-miR-362-5p	27(776)	0,00148162	Plb1,Hspa12a,Adc,Tmem41a,D16H22S680E,Cyp4v3,Prkab2,Copz2,Ndufb4,Ephb3,Mkrn1,Guk1,Ndel1,Chrd,Arhgef12,Gdf15,Psen2,Mlycd,Os9,Reep3,2010111I01Rik,2900026A02Rik,1810046J19Rik,Igbp1,Tbc1d9b,Tmub2,Ltbp3

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-466f-3p	36(776)	0,00148428	Gtf2h5,Dtx2,2310028O11Rik,Map3k8,Kif27,Mpv17,Insig2,Rab3d,Dscr3,Stam2,Smad6,Acox1,Kif1c,Tmem87b,Anxa3,Tpcn1,Gstm2,Gdf15,Slc9a6,Entpd5,2700078K21Rik,Zmat2,Trak1,Nol3,Sh2d4a,Dbp,Isca2,Ctsl,Pde4dip,Slc41a3,Ssbp2,Cdh7,Adamtsl4,Tubb2a,Vps29,Mtus1
mmu-miR-804	24(776)	0,00148451	Dym,Iah1,Rab4b,9030409G11Rik,Nt5m,Ppapdc3,Copz2,Skap2,Suox,Guk1,Cables1,Deb1,Ing4,Pxmp4,Ahnak,Atp5s,Vps24,Ufc1,Cog6,Cpeb1,Limch1,Cox6b1,Yif1a,Mtus1
mmu-miR-144	28(776)	0,00151353	Ppp1r16a,Zfand3,Ugp2,Snap91,Bri3,Atp6v1e1,Anxa3,Tob1,Qpct,Lnx1,Mfap5,Htra3,Deb1,Glt8d1,Garnl3,Mlycd,Bbs5,S100a16,Abtb2,Srr,Srp14,Slco3a1,Cxcr7,Ptprm,Sh3tc2,Wdr7,Chst12,Yif1a
mmu-miR-878-5p	27(776)	0,00153991	Acp2,Stmn3,Slc37a4,Sh3bgr,Ppapdc3,Smad6,Cyp4v3,Nudt13,Caml,Prkab2,Dynlrb1,Ank2,Dusp3,Fstl1,Btf3l4,Skap2,Qk,Qpct,Myeov2,Man2b1,Ascc1,Dbp,Srp14,Ssfa2,Cdh7,Acyp1,Ltbp3
mmu-miR-26a	28(776)	0,00164008	2310028O11Rik,Sgca,Kif27,Adc,Fbxo9,Adcy9,Qk,Rab3gap2,Tob1,Nipa1,Arhgef12,Mocs2,Hectd3,Ccdc80,Nupr1,Ntn4,5530400B01Rik,Ctsl,BC029214,Ahnak,Ugt2b36,Kif13b,Tmbim1,Ptprm,Cpa6,Gpr39,Mras,Fzd6
mmu-miR-702	28(776)	0,00170158	Dtx2,Rab11fip5,Cd248,Kif1c,F630110N24Rik,1700009P17Rik,Clip1,Arnt,Tpcn1,Apoa1bp,Arhgef12,Rell2,Vdac1,Zmat2,Pde4dip,Tsc22d3,Slc1a4,Ikbkg,Hck,Gpr39,Mras,Cdkn1a,Cox6a2,Acaa1a,Igfbp2,Gas6,Slamf9,Stxbp1
mmu-miR-222	26(776)	0,00170215	Bri3,Stmn3,Sema3b,Prss36,Trappc6a,Slc7a7,Adcy9,Pld1,Vps8,Mrgprf,Skap2,Alkbh6,Txnrd3,Ypel3,Zbtb4,L1cam,C1qtnf6,Tmem175,Ulk2,Ankrd29,Zfand2b,Ahnak,Chmp4c,4930579G22Rik,Htatip2,Uchl1
mmu-miR-592	24(776)	0,00179626	Sqrdl,Adra1b,Ccdc126,Fahd2a,Smpdl3a,Cyp27a1,Insig2,Tbcd,Akap13,Pld1,Lmbr1,Hsd3b3,Rell2,Nkiras2,4930523C07Rik,Asb1,Tmbim1,Synpo2,Tyrp1,1810046J19Rik,Mtss1,Igfbp2,2610019F03Rik,1700094D03Rik
mmu-miR-343	24(776)	0,00179626	Adra1b,Sgca,Kif27,Gabarapl2,Nudt13,Myom2,Ccdc64,Ypel3,Slc9a6,Cspg4,Slc35b1,Snta1,Lrrc57,Itpr2,Ing4,Nol3,BC029214,Ptprm,Mras,1810046J19Rik,Cpeb1,Lmna,Cox6b1,Mtus1
mmu-miR-15a*	23(776)	0,00180693	Plb1,Tlr6,Sema3b,Lrrc51,Ehd1,Mtap1a,Abcb6,Loxl1,Tcn2,Snta1,Glt8d1,C330006K01Rik,Slc22a4,Naga,Triap1,Pdia5,Rab7l1,Asb1,Sema3f,Ckm,Tmub2,Chst12,Tubb2a
mmu-miR-704	25(776)	0,00186189	Sgca,Cyp27a1,Abcb6,Trappc6a,Mtmr3,Slc7a7,Slc46a3,Myom2,Ccdc64,Herpud2,Farp2,Slc9a6,Ulk2,Ly6c1,Dopey2,Pxmp4,Ankrd29,Def8,Zdhhc24,Itfg3,Cog6,2900026A02Rik,Scarb2,Tbc1d14,Fads3
mmu-miR-674*	21(776)	0,00193129	Sgca,Lrrc51,Elmo2,Nudt13,Armc8,Dhrs1,Trappc2l,Arl2,Arhgef12,Slc9a6,Tmem175,Os9,Atg7,Atp6v0b,Asb1,Nr2c1,Ptprm,Csrp2,1500011K16Rik,Mdfic,Shroom3
mmu-miR-652	27(776)	0,00194924	Zfand3,Dtx2,Usp2,Rpl17,Nt5m,Npc2,Nfs1,Ank2,Mkrn1,Rora,Cspg4,Myeov2,Ascc1,Deb1,Garnl3,Psen2,Ing4,Dopey2,Slc41a3,Hr,Mxra7,Acaa1a,Nhlrc1,Stx7,Tpp1,Cpeb1,Tbc1d9b
mmu-miR-466e-5p	33(776)	0,00204843	Adra1b,Copg,Mcee,Plb1,Ecm1,Snrpn,Zdhhc4,Fbxo9,Insig2,Nt5m,Elmo2,Habp4,D16H22S680E,Sync,Akap13,Slc46a3,Calml4,Lgals9,Suox,Wisp2,Zbtb4,Man2b1,2700078K21Rik,Nrip3,Rdh12,Slc22a4,Ly6c1,Plcb1,Mtm1,Npdc1,Il17d,Ssbp2,Tpp1
mmu-miR-706	31(776)	0,00207175	Samd8,Mpv17,Fbxo9,Elmo2,Krt80,Slc16a9,Akap13,Gng5,Skap2,Camk1,Calml4,Stx8,5830405N20Rik,Trim36,Suox,Galns,Dusp8,Glt8d1,Adar,Nkiras1,Garnl3,Ing4,Reep3,Gpc4,1300010F03Rik,Ahnak,6530401N04Rik,Vamp3,Mxra7,Fzd6,Agl
mmu-miR-190b	24(776)	0,00208139	Mcee,Kif27,Lactb2,Cyp27a1,Gadd45b,Vps8,Rarres2,Gabarapl1,BC027231,Lama2,Nfe2l1,Grik2,Dopey2,Mtcp1,Tollip,Mtm1,Glo1,Cyb5,Ugt2b36,Synpo2,Cdh7,Cox6a2,Gas6,Hint3
mmu-miR-484	27(776)	0,00209252	Thra,Commd8,Pef1,Adc,Emilin2,Upk3b,Creb3,Pld1,Dgkg,Gramd3,Mapk4,Chrd,Ascc1,Slc35c2,Naga,Srp14,Sirt2,Spata21,Asb1,Tex264,Ptprm,Scarb2,Slamf9,1500011K16Rik,Rabac1,Slc2a8,Aph1a
mmu-miR-878-3p	29(776)	0,002098	Copg,Ubl4,Zhx1,Glrb,Sh3bgr,Adamts5,Upk3b,Ank2,Adcy9,Pigz,Ephb3,Tcn2,Grina,Ndufa10,Serpinb9c,Grik2,Add3,Pik3ip1,Zdhhc8,Bbs5,Tollip,Hgsnat,Srp14,Dnalc1,Ptprm,Cdh7,Gdap1,Cdkn2b,Wscd2
mmu-miR-382*	22(776)	0,00228555	Zfand3,Acp2,Sgca,Ecm1,Cox4nb,Ppapdc3,Nfs1,Creb3,Skap2,Ppt2,Idua,Mfap5,Pdia5,Tanc2,Cdh7,1110034G24Rik,1810046J19Rik,Kif3a,Nhlrc1,1700021C14Rik,Zfp704,Mtus1
mmu-miR-654-5p	28(776)	0,00238268	Ap3s1,Sqrdl,Fbxo9,Papss2,Zhx1,Nt5m,Adamts5,Upk3b,Serpinb6c,9430038I01Rik,Slc44a1,Myom2,Lrrc57,Psen2,Bbs5,Pcyt1a,Triap1,Cryab,Sorbs3,Il17d,Fzd8,Slc2a6,Vamp3,Ptprm,1110034G24Rik,Slamf9,Slc2a8,Tubb2a
mmu-miR-136	24(776)	0,00241054	Gtf2h5,Ecm1,Pef1,D16H22S680E,Trpv4,Nudt13,Caml,Klf15,Creb3,Cd248,Slc35b1,Tmem175,Adar,Itpr2,Serinc3,Dynlt3,Vnn1,Gpc4,Nr2c1,1110034G24Rik,Htatip2,9930013L23Rik,Igfbp2,Slc2a8
mmu-miR-154*	22(776)	0,00243845	Crot,Cyp27a1,Vps8,Qpct,Herpud2,Lnx1,Zbtb4,Asah1,Rell2,Slc22a4,Gdap2,Dner,Sh2d4a,Pxmp4,Slc26a11,Pcbd2,Acyp1,Kif3a,Ankrd12,Limch1,Vps29,Immp1l
mmu-miR-220	31(776)	0,0024942	Fech,Usp2,Ascc2,Ubl4,Fuca2,Tlr6,Insig2,Adamts5,Kif1c,Adcy9,Lyplal1,Klk1b4,Ptplad2,Sepw1,L1cam,Ascc1,Idua,Pik3ip1,Ccdc80,Galnt2,Mlycd,Def8,Abhd5,Sstr4,Tbccd1,Tex264,Tuba8,Htatip2,1810030N24Rik,Cacna1b,1700094D03Rik
mmu-miR-30d	28(776)	0,0025029	Ppp1r16a,Fech,Tmem41a,Magi3,Smpdl3a,Stk39,Ank2,Vps8,Fstl1,Pigz,Ankra2,5830405N20Rik,Dok4,P4ha2,Anxa1,Tmem175,Psen2,Slc22a4,Ankrd29,Frmpd1,1300010F03Rik,1810037I17Rik,Pcbd2,Fbxl20,Afap1l2,Fbxw4,Mrps14,Chst12

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-582-5p	27(776)	0,0025291	Pef1,Smpdl3a,Sema3b,Nt5m,Ctbs,Cd81,Gadd45b,Rarres2,Mxra8,Dph1,Tpcn1,Pdgfc,Myeov2,Dusp8,Pik3ip1,Dopey2,Srp14,Atp6v0b,Usp53,Ssbp2,Nr2c1,Glipr1,Slc2a6,Tom1l2,Stx7,Hint3,Mtus1
mmu-miR-200c	30(776)	0,00253671	Ppp1r16a,Ugp2,Dtx2,Plb1,Crot,Atp6v0e,Krt80,Stam2,Fn1,Serpinb6c,Slc35a2,Clip1,Qk,Slc44a1,Nipa1,Aldh6a1,Ppt2,Dusp8,Nrip3,Ccdc80,Tmem154,Ly6c1,Tanc2,Ssfa2,Acyp1,1810046J19Rik,Slamf9,1500011K16Rik,Tubb2a,Npc1
mmu-miR-684	23(776)	0,00256946	Wdr47,Adra1b,Ecm1,Samd8,Crot,Cyp27a1,Ehd1,Smad6,Creb3,Dgkg,Camk1,2010003O02Rik,Guk1,Ypel3,Slc35b1,Pxmp4,1300010F03Rik,Ptdss1,Hck,Vps24,BC046404,Dpm2,Rhoj
mmu-miR-362-3p	29(776)	0,00276426	Maob,Adra1b,Stmn3,Rab38,Clstn1,Cyp4v3,F630110N24Rik,Tmem87b,BC027231,Arnt,Emp2,Slurp1,Ttc15,Ap3m2,Rora,P4ha2,Mlycd,Os9,Trak1,Sned1,4930523C07Rik,Slc26a11,Def8,Ahnak,Acaa1a,Igfbp2,Tmub2,1700013F07Rik,Tmem9b
mmu-miR-290-3p	29(776)	0,00276426	Ugp2,Sgca,Plb1,Arvcf,Coq10a,Fahd2a,Fbxo9,Papss2,Hexa,Hist2h2bb,Clstn1,Ank2,Stx8,Apoa1bp,Rora,Nudt7,Ehd3,Serpinb9b,Megf6,Slc22a4,Ing4,Ntn4,Vnn1,Ahnak,Ikbkg,Ufc1,Itfg3,Csrp2,Yif1a
mmu-miR-295	25(776)	0,00276756	Lactb2,Coq10a,Loxl1,Stx8,Ttc15,Txnrd3,2010003O02Rik,Dlg2,Serpinb9b,Glt8d1,Triap1,Mtm1,1810037I17Rik,Def8,Clip4,Rab7l1,Nr2c1,Csrp2,Sh3tc2,Cdkn1a,Acaa1a,Wdr7,Uchl1,1700094D03Rik,Ankrd44
mmu-miR-193b	27(776)	0,00277079	Ugp2,Tssc4,Cyp27a1,5930434B04Rik,Ppapdc3,Acox1,Tgfb2,Slc7a7,Vps8,Lmbr1,1700009P17Rik,Ttc15,Dph1,Wisp2,Snta1,Lrrc57,Pik3ip1,Tmem175,Nkiras2,BC089491,Dbp,Srp14,Ypel5,Slc25a39,Tbc1d14,1700094D03Rik,Mtus1
mmu-miR-350	27(776)	0,00286154	Fech,Dtx2,Adra1b,Kif27,Cox4nb,Smpdl3a,Lyplal1,Armc8,Dhrs1,Gpr133,Cacna1g,Appl2,Tcn2,Dlg2,Nudt7,Nrip3,Ttll7,Tmem154,Zfp560,S100a16,Dner,Pcyt1a,Atp6v0b,Ahnak,Cdh7,Cox6a2,Aldh3a2
mmu-miR-151-3p	24(776)	0,00297249	Ppp1r16a,Ugp2,Tssc4,Col14a1,Gyg,Rab4b,Ppp2r5b,Sgcb,1700009P17Rik,Anxa3,Cacna1g,Rell2,Dopey2,Atp6v0b,Mrpl55,Mtss1,Gas6,Tmem38a,Tmem50b,Rabac1,Pcsk6,Tubb2a,Hint3,Zfp704
mmu-miR-421	25(776)	0,00297373	Pank2,Tmem41a,Lrrc51,Hdlbp,Akap13,Gramd3,Slc46a3,Slc31a2,Ttc15,Suox,Trappc2l,Gstk1,Stard6,Slc9a6,Lrrc57,Ly6c1,Dopey2,Atp6v0b,1700016M24Rik,Rab7l1,Cxcr7,Cyb5r3,Pcsk6,Tubb2a,Hint3
mmu-miR-425*	22(776)	0,00298587	Pank2,Tssc4,Abcb6,Nudt13,Crybb3,Akap13,Clip1,Sepw1,Cacna1g,2900010M23Rik,Shank3,Impdh1,Anxa1,Adar,Garnl3,Ahnak,Chmp4c,9930013L23Rik,Slamf9,Atp10d,Aldh3a2,Shroom3
mmu-miR-672	25(776)	0,00301263	Thra,Copg,Gpx4,Insig2,Smad6,Caml,Klf15,Cd248,Copz2,Renbp,Vps8,Cry2,Qpct,Mocs2,Lrrc57,Htra3,Itpr2,Ing4,Naga,Vnn1,Mustn1,Npdc1,Tex264,Atp5e,Igbp1
mmu-miR-501-3p	28(776)	0,00330821	Thra,Adra1b,Slc37a4,Snrpn,Selm,R74862,Smad6,Dusp3,Tbc1d22a,1810020D17Rik,Sepw1,Cacna1g,Grina,Ypel3,Shank3,L1cam,Sec22c,Deb1,Pon3,Psen2,Nkiras2,Ing4,Plcb1,Galc,Asb1,Ssbp2,Tex264,Limch1
mmu-miR-719	23(776)	0,00335072	Sh3bgr,Gadd45b,Nudt13,Cd248,Trappc6a,Amhr2,Dab2ip,Tbcd,Adcy9,1700009P17Rik,Pigz,Clip1,Cacna1g,Myom2,Ndel1,Arhgef12,Ing4,Nenf,Mustn1,Zfand2b,Rabac1,Pcsk6,2810428I15Rik
mmu-miR-376b	25(776)	0,00339053	Pank2,Snrpn,Cox4nb,Tmem41a,BC024814,Smpdl3a,Nfs1,Akap13,Qpct,Stard6,Bphl,Ppt2,Cryab,Rab7l1,Acyp2,6530401N04Rik,Slc25a39,Ptdss1,Cdh7,Cog6,1810046J19Rik,Tom1l2,Wdr7,Atp10d,Mtus1
mmu-miR-338-5p	26(776)	0,00340901	2310028O11Rik,Maob,Mcee,Mpv17,Rab3d,Rarres2,Dgkg,Myom2,Tob1,Qpct,Lnx1,Rora,Mfap5,Tmem175,Bbs5,4930523C07Rik,Abtb2,0610037L13Rik,Srp14,Galc,Klf2,Acyp2,Il17d,6530401N04Rik,Zdhhc24,Tubb2a
mmu-miR-741	22(776)	0,00345527	Alg14,Rab38,Hexa,Rras,Nfs1,Hexb,Hoxa1,Ndel1,Zbtb4,Myeov2,Ccdc80,Garnl3,Sstr4,1700016M24Rik,Klf2,Tmbim1,Atp5s,Fbxl20,Cpa6,Scarb2,Zfp704,Shroom3
mmu-miR-142-5p	24(776)	0,00345968	Smpdl3a,Prss36,D6Wsu163e,Creb3,Camk1,Cacna1g,Herpud2,Aldh6a1,Psen2,Mtm1,Def8,Pdia5,Il17d,Dnalc1,Nr2c1,Cpa6,Mras,Nudt18,Dhps,Cox6a2,Scarb2,Igbp1,1500011K16Rik,Ltbp3
mmu-miR-370	26(776)	0,00352068	Mrc2,Map3k8,Plb1,Ascc2,Adc,Tmem41a,Clstn1,Trappc6a,Iqsec2,Rarres2,Epb4.1l4b,Pbxip1,Ascc1,Rell2,Adamtsl5,Mlycd,Slc22a4,S100a13,Akap4,BC089491,Def8,Gabarap,Il17d,Ptprm,Tom1l2,Cyb5r3
mmu-miR-690	24(776)	0,00359127	Zfand3,Iah1,Snap91,Cox4nb,Hexa,Smad6,Lamb2,Atp6v1e1,Copz2,Adcy9,Mkrn1,Hsd3b3,Naga,Dbp,Isca2,A930005H10Rik,Nr2c1,1810027O10Rik,Fbxl20,Htatip2,Gpr39,Igbp1,Tbc1d14,Hint3
mmu-miR-210	26(776)	0,00364517	Usp2,Mcee,Kif27,Ascc2,Trpc7,Selm,Higd1a,Adamts5,Vps8,Armc8,Skap2,Gpr133,5830405N20Rik,2900010M23Rik,Itgb1bp1,Lnx1,Rora,Alas1,Man2b1,Grik2,Iscu,Tmem175,Gpr39,Scn1b,Hhip,1700094D03Rik
mmu-miR-710	25(776)	0,00376646	Plb1,Magi3,Fahd2a,Tlr6,Rab40b,Vps39,Rarres2,Ero1l,5830405N20Rik,Ephb3,Dph1,Apoa1bp,Zbtb4,Nfe2l1,Hectd3,Os9,S100a16,Ctsb,Mtm1,Atp6v0b,Slc39a14,Vamp3,Fbn2,Slc25a35,Fads3
mmu-miR-300	24(776)	0,00378623	Ugp2,Slc37a4,Dscr3,Gadd45b,Caml,Creb3,Vps39,Adcy9,Ndufb4,Ankra2,Txnrd3,Hectd3,Ing4,Ntn4,Mtcp1,Npdc1,Tanc2,Slc25a39,BC046404,Tyrp1,Igbp1,Rhoj,Mdfic,Uchl1
mmu-miR-466b-5p	32(776)	0,00379443	Adra1b,Usp2,Mcee,Plb1,Ecm1,Snrpn,Zdhhc4,Fbxo9,Insig2,Nt5m,Elmo2,Habp4,Sync,Akap13,Slc46a3,Bmp4,Calml4,Lgals9,Suox,Lnx1,Wisp2,Zbtb4,Man2b1,2700078K21Rik,Nrip3,Rdh12,Slc22a4,Ly6c1,Plcb1,Npdc1,Il17d,Ssbp2
mmu-miR-712*	22(776)	0,00387485	Slc6a7,Pmp22,Lgr4,Smpdl3a,Lrrc51,F630110N24Rik,Akap13,Cry2,Clip1,Arnt,Qk,Guk1,St3gal5,C330006K01Rik,Pltp,2010111I01Rik,Ahnak,Mrpl55,Klf2,Fbxl20,Gpr39,Fbxw4

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-138*	21(776)	0,00392176	Ppp1r16a,Stmn3,Pef1,Gyg,Inpp5a,Timp2,Rab3gap2,Stac,Arl2,Stard6,Alas1,1300010F03Rik,Vamp3,Ufc1,2900026A02Rik,Igbp1,Cyb5r3,Slc2a8,Pcsk6,Hint3,Atp10d
mmu-miR-872*	19(776)	0,00393469	Dym,Bri3,Adc,Trpc7,Gabarapl2,Napb,Dgkg,Tmem87b,Anxa3,Lama2,Appl2,Tob1,Tom1,Tmem154,4930523C07Rik,Srp14,Ahnak,Tom1l2,Cpeb1
mmu-miR-509-3p	27(776)	0,0040183	Ahnak2,Acp2,Bri3,Kremen1,Insig2,Fn1,Lama2,Cacna1g,2900010M23Rik,Pdgfc,Herpud2,Hsd3b3,Stard6,Aldh6a1,Serpinb9b,Garnl3,Rdh12,Ly6c1,Bbs5,Atg7,Mtcp1,Pltp,Mmab,Cyb5,Ptprm,Tmem38a,3110002H16Rik
mmu-miR-483	26(776)	0,00401937	Pank2,Snap91,Smpdl3a,R74862,AI593442,Creb3,Vps39,Iqsec2,Slc35a2,Dhrs1,Camk1,Ap3m2,Myom2,Ypel3,Arhgef12,Zbtb4,Wdr54,Psen2,Plcb1,BC029214,Gstp1,Slc25a39,Mtss1,Pcsk6,Ltbp3,Cox6b1
mmu-miR-431*	22(776)	0,00408897	Ppp1r16a,Ahnak2,Sqrdl,Sgca,Plb1,Hspa12a,Nudt13,Neu1,Atp6v1e1,Vps39,F630110N24Rik,Akap13,Arl2,Myeov2,Pbxip1,Deb1,1110003E01Rik,Ly6c1,Slc26a11,Cyb5,Dhps,Cacna1b
mmu-miR-338-3p	28(776)	0,00426268	Iah1,Tmem41a,Insig2,Hexa,Nudt13,Cd248,Slc35a2,1700009P17Rik,Cacna1g,Dok4,Qpct,P4ha2,Lrrc57,Mfap5,Iscu,Itpr2,Bbs5,Isca2,Tmbim1,Ssfa2,4930579G22Rik,Htatip2,Dhps,Acaa1a,1700021C14Rik,2610019F03Rik,Yif1a,Mtus1
mmu-miR-466a-3p	33(776)	0,00456545	Adra1b,Plb1,Kif27,Mpv17,D16H22S680E,Stam2,Smad6,Sync,Klf15,Creb3,Acox1,Kif1c,Qk,Cacna1g,Npy6r,Lnx1,Asah1,Mmaa,Pon3,Zmat2,Isca2,Ctsl,Pde4dip,Slc41a3,Ssbp2,Chmp4c,Cdh7,Cog6,Nhlrc1,Stx7,Igbp1,Mrps14,Mtus1
mmu-miR-495	25(776)	0,00484481	Dtx2,Adra1b,Prss29,Higd1a,Slc7a7,Fstl1,Lyplal1,Maoa,Arnt,Ankra2,Slc44a1,Ttc15,Stard6,4933439F18Rik,Vnn1,Dner,Gpc4,Tanc2,Slc25a39,Itfg3,Slamf9,1700013F07Rik,Hint3,Tmem9b,Aldh3a2
mmu-miR-17*	22(776)	0,00503388	Slc37a4,Adc,Nt5m,Krt80,Caml,Armc8,Arhgef12,Zbtb4,Cspg4,Impdh1,Dusp8,Ehd3,Lrrc57,Iscu,Bbs5,Tollip,Ctsb,Pcbd2,Hck,Dpm2,1500011K16Rik,Pcsk6
mmu-miR-31*	20(776)	0,00523736	Iah1,Commd8,Lgr4,Mpv17,Nt5m,Glrb,Dusp3,BC027231,Ttc15,Slc9a6,P4ha2,Vdac1,Ntn4,Mustn1,Uqcrq,Sema3f,BC046404,Mras,Limch1,Oplah
mmu-miR-598	25(776)	0,00540245	Sgca,Slc37a4,Cat,Crot,Sh3bgr,Ehd1,Cyp4v3,Vps39,Tgfb2,Gpr133,Fbxl2,Rora,Deb1,Dner,Sh2d4a,Lrba,Pde4dip,Zfand2b,Cyb5,6530401N04Rik,Fbn2,Csrp2,Wscd2,Zfp704,2810428I15Rik
mmu-miR-92a	28(776)	0,0054896	Ugp2,Sgca,Lgr4,Nt5m,Adamts5,Smad6,Serpinb6c,Slc35a2,Dgkg,Gramd3,Anxa3,Herpud2,Grina,Riok3,Asah1,Tmem154,Mustn1,Mtm1,Sirt2,Klf2,Tanc2,Asb1,Fbn2,Dnajc4,Igbp1,1700021C14Rik,Dusp22,1700094D03Rik
mmu-miR-491	25(776)	0,00549325	Ppp1r16a,Sh3bgr,Rras,4833439L19Rik,Nudt13,Mtmr3,Clip1,Sepw1,Man2b1,Ppt2,Ergic3,Sh2d4a,Npdc1,Cryab,Def8,Sorbs3,Glo1,Klf2,Cyb5,Tex264,Itfg3,Dnajc4,Igfbp2,Chst12,Hint3
mmu-miR-692	20(776)	0,00555044	Adc,Insig2,Smad6,Crybb3,Amhr2,Slc44a1,Trappc2l,Man2b1,Snta1,St3gal5,Tmem154,Slc22a4,Nupr1,Ing4,Ufc1,1810046J19Rik,Igfbp2,Gas6,1700094D03Rik,2810428I15Rik
mmu-miR-703	24(776)	0,00567033	Dtx2,Mal,Lactb2,Gabarapl2,Adamts5,Gng5,Tob1,Man2b1,2700078K21Rik,Nudt7,Ppm1h,Garnl3,Exoc3,Atg4a,Gpc4,Srp14,Cdh7,4930579G22Rik,Mtss1,Tom1l2,Ankrd12,Satb1,Dusp22,Zfp704
mmu-miR-468	23(776)	0,0056752	Thra,Kremen1,Smpdl3a,Mtmr3,Amhr2,Armc8,Pigz,Skap2,Trappc2l,Ndel1,Nudt7,Grik2,Iscu,Lims2,Tmem154,Psen2,Hbxip,Zfp560,Vnn1,Srp14,Htatip2,Camkk1,Mtus1
mmu-miR-720	23(776)	0,00574731	Ascc2,Adc,Ehd1,Nudt13,Ppp2r5b,D6Wsu163e,1810020D17Rik,Stac,Guk1,Arl2,Nfe2l1,Cspg4,Man2b1,Grik2,Adamtsl5,Ing4,BC089491,Nenf,Kif13b,Scarb2,Igbp1,Pcsk6,Zfp704
mmu-miR-377	23(776)	0,00574731	Gtf2h5,Thra,Gyg,Smpdl3a,Cobl,Cd81,Abcb6,Armc8,Hoxa1,Zbtb4,Nudt7,Mocs2,Ttll7,Ntn4,Dner,Sh2d4a,Dbp,Tanc2,Rab7l1,Uqcrq,Tyrp1,Wscd2,Mtus1
mmu-miR-367	27(776)	0,00590301	Ugp2,Gyg,Higd1a,Stk10,Stam2,Smad6,Nudt13,Upk3b,Serpinb6c,Slc35a2,Dgkg,Gramd3,Cry2,Clip1,Anxa3,Herpud2,Itgb1bp1,Iscu,Lrch1,Dopey2,Ctsb,Klf2,Tex264,Ptprm,Kif3a,Dnajc4,Igbp1
mmu-miR-497	26(776)	0,0059719	Ahnak2,Bri3,Tmem41a,Rab4b,Gpx4,Mtmr3,Gpr133,Arl2,Hsd3b3,Ypel3,Rapsn,Nudt7,St3gal5,Mlycd,Ly6c1,Sned1,0610037L13Rik,Srp14,Frmpd1,Zfand2b,Asb1,Ptprm,1110034G24Rik,Htatip2,Tmub2,Rabac1
mmu-miR-135a	26(776)	0,00606714	Usp2,Plb1,Snrpn,Glrb,Adamts5,Slc7a7,Tmem87b,Ttc15,Chrd,Itga9,L1cam,Mtap6,Snta1,Glt8d1,Ing4,Pltp,4930523C07Rik,Mtm1,Npdc1,Pdia5,Cyb5,Mras,Acaa1a,Slamf9,Lrsam1,Yif1a
mmu-miR-16*	20(776)	0,00622136	Thra,Adra1b,Sgca,Sema3b,Dscr3,Caml,Anxa3,Ttc15,Repin1,Herpud2,Ndel1,Bbs5,Akap4,Abtb2,Chmp4c,Sh3tc2,Cox6a2,Ankrd12,Chst12,Oplah
mmu-miR-208	23(776)	0,00625867	Gnptg,Maob,Bri3,Stmn3,Snrpn,Smpdl3a,Insig2,Inpp5a,AI593442,Slc7a7,1810020D17Rik,Dhrs1,Ndel1,Itga9,Atg4a,Zfp560,App,1810037I17Rik,Gdap1,Nhlrc1,Igbp1,Satb1,Immp1l
mmu-miR-382	23(776)	0,00625867	Rab43,Plb1,Lactb2,Dhrs3,Insig2,Caml,Ppp2r5b,Ank2,Gstm2,Qpct,Gp1bb,P4ha2,Ccdc80,Anxa1,Adamtsl5,Bcmo1,Ssfa2,BC046404,Serf2,Slc25a35,Cdkn2b,Igbp1,1500011K16Rik
mmu-miR-369-5p	25(776)	0,00630393	Smpdl3a,D16H22S680E,AI593442,Cyp4v3,Tbcd,Adcy9,Lhfpl2,Qk,Hexb,Slc44a1,2010003O02Rik,Gstk1,Slc9a6,Lrrc57,Add3,Garnl3,Rdh12,Gabarap,6530401N04Rik,Ptprm,Vps24,Igbp1,Tubb2a,Cacna1b,Shroom3

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-326	24(776)	0,00633584	Plb1,Pef1,Adc,Gpx4,Cd81,Smad6,Klf15,Iqsec2,Acox1,Copz2,Renbp,Slc7a7,Rarres2,Bmp4,Zbtb4,Nfe2l1,Mlycd,Ing4,Pcyt1a,Def8,Cyb5,Acaa1a,Lmna,Yif1a
mmu-miR-450b-5p	26(776)	0,00642845	Dym,Iah1,Bri3,Pmp22,Atp6v0e,Abcb6,Cyp4v3,Fbxl2,Ndel1,Lnx1,Ascc1,Asah1,Lrrc57,Htra3,Dopey2,Mtcp1,Tollip,Nol3,1300010F03Rik,BC029214,Mmab,Tuba8,Csrp2,Tom1l2,Cdkn2b,Dusp22
mmu-miR-470*	21(776)	0,00650992	Dtx2,Copg,Tmem41a,Alg14,Hexa,Habp4,Sync,Upk3b,Caml,Atp6v1e1,Ank2,Tmem87b,Galns,St3gal5,Mfap5,Ctsb,Tanc2,Nr2c1,1110034G24Rik,1700021C14Rik,Hint3
mmu-miR-208b	23(776)	0,00655983	Gnptg,Stmn3,Commd8,Insig2,Inpp5a,AI593442,Slc7a7,1810020D17Rik,Tmem87b,Dhrs1,Anxa3,Ndel1,Atg4a,Zfp560,Serinc3,Reep3,Tm9sf4,1700016M24Rik,Gdap1,Nhlrc1,Igbp1,Wdr7,Immp1l
mmu-miR-805	23(776)	0,0066737	Gnptg,Mcee,Rab43,Pef1,Lactb2,Rab38,R74862,Fn1,Slc35a2,Lancl1,Ndufb4,Hexb,Slc44a1,Hoxa1,Lnx1,Slc9a6,Pltp,Adamts2,Acyp2,Cpa6,2900026A02Rik,Mtss1,Afap1l2
mmu-miR-675-3p	22(776)	0,00678613	Pank2,Rab43,Zhx1,Insig2,Sh3bgr,Atp6v0e,D16H22S680E,Kcnn1,Gng5,Ankra2,Txnrd3,2900010M23Rik,Ypel3,Pbxip1,Iscu,Adamtsl5,Sned1,Pltp,Atp6v0b,Htatip2,Cpeb1,Wdr7
mmu-miR-136*	21(776)	0,00730721	Maob,Bri3,Slc37a4,Cyp27a1,AI593442,D6Wsu163e,Slc44a1,Rragc,Qpct,Cables1,Deb1,BC089491,Galc,Ahnak,Klf2,Cyb5,Tbccd1,Slc25a39,Ptdss1,Csrp2,Immp1l
mmu-miR-490	25(776)	0,00770402	Rab11fip5,D16H22S680E,Krt80,Akap13,1810020D17Rik,Dgkg,Gramd3,Alkbh6,Ttc15,Txnrd3,Fbxl2,Snta1,Ascc1,Nrip3,Ing4,Naga,Adamts2,Ptprm,Hck,Ckm,1500011K16Rik,Tmem38a,Tmem50b,Yif1a,Aldh3a2
mmu-miR-193*	22(776)	0,00774833	Thra,Gnptg,Yif1b,Plb1,Ascc2,Dhrs3,Rras,Tmco3,Mocs2,Lims2,Rell2,Itpr2,Dopey2,Ahnak,Sorbs3,Sirt2,Cpa6,Sh3tc2,1810046J19Rik,Wdr7,Chst12,Rabac1
mmu-miR-10a	24(776)	0,0080649	Ppp1r16a,Pank2,Tmem41a,Higd1a,Abcb6,Neu1,Trpt1,Gng5,Slc44a1,Repin1,Epb4.1l4b,Slc35c2,Ulk2,Mlycd,Ly6c1,Nkiras2,Tollip,Pltp,Zfand2b,Pdia5,Kif13b,Hr,Dpm2,Scarb2
mmu-miR-204	23(776)	0,00813122	Gabarapl2,Sh3bgr,Abcb6,Lyrm1,Gramd3,Camk1,Rragc,Grina,Chrd,Snta1,Lrrc57,Serpinb9b,Ppm1h,Mtcp1,Grk4,Ahnak,Clip4,Vps24,1810027O10Rik,Slc25a35,Slc2a8,Cox6b1,Yif1a
mmu-miR-653	22(776)	0,00848331	Ppp1r16a,Dym,Cyp27a1,Lrrc51,Rab40b,Smad6,Ank2,Gng5,Btf3l4,Clip1,2010003O02Rik,Bphl,P4ha2,Zmat2,Pde6d,Pkia,Rab7l1,Glipr1,1110034G24Rik,Reck,1700013F07Rik,1700094D03Rik
mmu-miR-879*	18(776)	0,00852567	Commd8,Adc,Gpx4,Elmo2,Serpinb6c,Copz2,Ube2h,Cspg4,Ccdc80,Anxa1,Srp14,Mrpl55,1110034G24Rik,Mras,Mdfic,Zfp704,Dmpk,Yif1a
mmu-miR-369-3p	26(776)	0,00857471	Gtf2h5,Rnf13,Gnptg,Mcee,Lactb2,Higd1a,Stk39,Trpv4,Slc44a1,Tpcn1,Ccdc64,Qpct,Herpud2,St3gal5,Tmem175,Ly6c1,Hscb,Mtcp1,Srp14,Lrba,Acyp2,Acyp1,Stx7,Afap1l2,Gas6,Tubb2a
mmu-miR-294*	19(776)	0,00865608	Kctd9,Kif27,Camk4,Fbxo9,Insig2,AI593442,Mtmr3,Kif1c,Slc7a7,Skap2,Cdc42ep2,Plcb1,Mtm1,Mrpl55,Ssbp2,Mxra7,Vps24,Tom1l2,Mtus1
mmu-miR-411*	19(776)	0,00882303	Col14a1,Stmn3,Coq10a,Sh3bgr,AI593442,Skap2,Qpct,Nudt7,Asah1,Gdap2,Sned1,Dirc2,Pcbd2,Cxcr7,Ptprm,Acyp1,Mtss1,1700021C14Rik,Rabac1
mmu-miR-24-2*	22(776)	0,00888189	Iah1,Hspa12a,Tcta,Elmo2,Nfs1,Dynlrb1,Slc7a7,Dok4,Apoa1bp,Trappc2l,Qpct,Epb4.1l4b,Nudt7,2700078E11Rik,Glt8d1,Atg4a,Ly6c1,Zfand2b,Hck,Serf2,Mtss1,9930013L23Rik
mmu-miR-345-3p	23(776)	0,00894785	Zfand3,Rab43,Magi3,Rbms2,Habp4,Crybb3,Btf3l4,Ptplad2,Rragc,Ndel1,Idua,Exoc3,Mustn1,Slco3a1,Spata21,Bcmo1,Ckm,Slamf9,Tbc1d9b,Pcsk6,Dusp22,1700094D03Rik,Mtus1
mmu-miR-466a-5p	31(776)	0,00911679	Adra1b,Copg,Mcee,Plb1,Ecm1,Snrpn,Zdhhc4,Fbxo9,Insig2,Nt5m,Elmo2,Habp4,D16H22S680E,Sync,Akap13,Slc46a3,Bmp4,Calml4,Lgals9,Suox,Zbtb4,Man2b1,2700078K21Rik,Nrip3,Slc22a4,Ly6c1,Plcb1,Npdc1,Il17d,Ssbp2,Tpp1
mmu-miR-376c	23(776)	0,00939076	Rnf13,Map3k8,Kif27,Mal,Smpdl3a,Rab38,Hexa,AI593442,Trappc6a,Akap13,Sepw1,Cacna1g,Suox,Slc9a6,Bphl,P4ha2,Rab7l1,Ugt2b36,Tom1l2,Atp6v0a1,Stxbp1,Zfp704,Immp1l
mmu-miR-410	23(776)	0,00939076	Tmem41a,Fbxo9,Dscr3,AI593442,Upk3b,Slc35a2,Fstl1,Lyplal1,Clip1,Myom2,Qpct,Pbxip1,2700078E11Rik,Ppm1h,Vnn1,Plcb1,Sh3glb1,Pcbd2,Acyp2,Slc25a39,Reck,Rit1,Mtus1
mmu-miR-212	28(776)	0,00941251	Ppp1r16a,Bri3,Lgr4,Arvcf,Vps39,Adcy9,Dgkg,Qk,Slc31a2,9430038I01Rik,Appl2,Lnx1,Tmem140,Cables1,Deb1,4930523C07Rik,Abtb2,Hgsnat,Atp6v0b,1700016M24Rik,Asb1,Tex264,Nr2c1,Hck,Ufc1,Dpm2,1810030N24Rik,Vps29
mmu-miR-293*	19(776)	0,00944881	Commd8,Fem1a,Hdlbp,Vps8,Btf3l4,Armc8,Skap2,Tcn2,Zbtb4,L1cam,Glt8d1,S100a16,Gpc4,Gabarap,Mrpl55,Dhps,1810030N24Rik,Slc2a8,Shroom3
mmu-miR-380-5p	23(776)	0,00945278	Zfand3,Bri3,Lgr4,Sh3bgr,D16H22S680E,Prss36,Akap13,Bmp4,Myeov2,P4ha2,Idua,Ergic3,Deb1,Pltp,Ctsb,Mtm1,Pcbd2,Usp53,Cpa6,Gpr39,Pcsk6,Cacna1b,Atp10d
mmu-miR-322*	21(776)	0,0094646	Mrc2,Iah1,Plb1,Commd8,Kif3b,Fbxo9,Vps8,Pigz,Hexb,Ccdc64,Tob1,Dlg2,Slc9a6,Anxa1,Bbs5,Mtcp1,Hgsnat,Zfand2b,Pcbd2,Acyp2,Afap1l2
mmu-miR-340-3p	21(776)	0,0094646	Plb1,Commd8,Tmem41a,Nt5m,Hdlbp,Nudt13,Gramd3,9430038I01Rik,Sepw1,Ascc1,Tmem175,Itpr2,Os9,5530400B01Rik,Dopey2,Srp14,Slc2a6,Chmp4c,Gas6,Limch1,Aldh3a2

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-19a*	19(776)	0,00955994	Ppp1r16a,Zfand3,Sqrdl,Sgca,Mcee,Smpdl3a,Fem1a,Nudt13,Tmem87b,Suox,Gdf15,Nudt7,Lrrc57,Iscu,Fabp3,Ulk2,ORF63,Cog6,Dnajc4
mmu-miR-434-3p	25(776)	0,00973301	Ppp1r16a,Rpl17,Snrpn,Rab38,Sh3bgr,Habp4,AI593442,Nfs1,Dusp3,1810020D17Rik,Tob1,Gp1bb,Atg4a,Mlycd,Naga,Lrba,Tm9sf4,Ahnak,Slco3a1,Gpr39,1810046J19Rik,Atp5e,Cacna1b,1700094D03Rik,Chpt1
mmu-miR-191*	20(776)	0,00976673	Ahnak2,Ap3s1,Copg,Rpl17,Hspa12a,Prss29,Tmem41a,Cyp4v3,Crybb3,Dhrs1,Cacna1g,Iscu,9130011J15Rik,Npdc1,Atp6v0b,Ptprm,Clcn7,Chst12,Slc2a8,Atp10d
mmu-miR-455	26(776)	0,0097789	Bri3,Adra1b,Gabarapl2,Cyp4v3,Hdlbp,Nudt13,Armc8,BC027231,Myom2,Guk1,Wisp2,Zdhhc8,Ly6c1,Sned1,Nol3,Atp6v0b,Gstp1,Asb1,Tex264,Htatip2,Mras,Kif3a,Scarb2,C1qtnf1,Mcl1,2810428I15Rik
mmu-miR-30e	27(776)	0,0099672	Ppp1r16a,Snrpn,Tmem41a,Cyp4v3,Trappc6a,Ank2,Vps8,Gramd3,Pigz,Ankra2,5830405N20Rik,Stac,P4ha2,Anxa1,Tmem175,Galnt2,Frmpd1,Ctsl,Atg12,Pcbd2,Ssfa2,Fbxl20,Slc41a2,Afap1l2,Fbxw4,Wdr7,Chst12
mmu-miR-10b	23(776)	0,0102089	Ppp1r16a,Pank2,Tmem41a,Higd1a,Elmo2,Abcb6,Trpt1,Slc44a1,Ccdc64,Galns,Rora,Epb4.1l4b,Slc35c2,Rdh12,Adamtsl5,Mlycd,Ly6c1,Nkiras2,Tollip,Slc26a11,Zfand2b,Pdia5,Kif13b
mmu-miR-99b*	21(776)	0,0106372	Mrc2,Adra1b,Plb1,Gpx4,Wnt9a,Slc7a7,Gramd3,Arhgef12,Gdf15,Gp1bb,Ascc1,Nudt7,Anxa1,Adar,Ulk2,Rdh12,S100a16,Clip4,Gstp1,Scarb2,Slamf9
mmu-miR-203*	19(776)	0,010656	Magi3,Trpc7,Rbms2,Nudt13,Dusp3,Rab3gap2,Arl2,Chrd,Arhgef12,Nfe2l1,Myeov2,Ascc1,Ppm1h,Adar,Mustn1,Sstr4,Mras,Dnajc4,Uchl1
mmu-miR-466d-3p	32(776)	0,0109815	Adra1b,Plb1,Kif27,Mpv17,D16H22S680E,Stam2,Smad6,Sync,Klf15,Creb3,Kif1c,Lmbr1,Qk,Cacna1g,Npy6r,Lnx1,Pon3,Zmat2,Isca2,Ctsl,Pde4dip,Slc41a3,Ssbp2,Chmp4c,Cdh7,Acyp1,Cog6,Nhlrc1,Stx7,Igbp1,Mrps14,Mtus1
mmu-miR-216a	25(776)	0,0111283	Fech,Bri3,Adra1b,Plb1,Tcta,Ubl4,Gpx4,Lrrc51,Atp6v0e,Nudt13,Caml,Tgfb2,Ptplad2,Chrd,Man2b1,Mocs2,Fabp3,1110003E01Rik,Exoc3,Sh2d4a,Srp14,Isca2,Mrpl55,9930013L23Rik,Hint3
mmu-miR-181a-1*	24(776)	0,0117786	Zfand3,Cat,Fbxo9,Alg14,D16H22S680E,Rassf3,Trpv4,Vps8,Skap2,Ttc15,Sepw1,Mkrn1,Lnx1,Gp1bb,Riok3,Anxa1,Adar,Exoc3,Srp14,App,Cog6,Cpeb1,Limch1,Tubb2a
mmu-miR-101a*	19(776)	0,0121683	2310028O11Rik,3830406C13Rik,Smpdl3a,Gabarapl2,Prss36,Alkbh6,Slc44a1,Calml4,AI317395,Farp2,Bphl,9130011J15Rik,Srp14,Pcbd2,Asb1,Ptprm,Hck,Fzd6,Tmem9b
mmu-miR-296-3p	27(776)	0,0122202	Dtx2,Mcee,Sema3b,Trpv4,Vps8,Trpt1,Dhrs1,Gstm2,Trappc2l,Galns,Ndufa10,Rapsn,Cables1,Deb1,Dopey2,Mustn1,Tm9sf4,Slc39a14,Tex264,Mxra7,BC046404,Tpp1,Fbxw4,Dmpk,Yif1a,1700094D03Rik,2810428I15Rik
mmu-miR-383	25(776)	0,0123801	Bri3,Ecm1,Gyg,Alg14,Emilin2,Kcnn1,Trpv4,D6Wsu163e,Acox1,Clip1,Myom2,Deb1,Gdap2,BC089491,Plcb1,Gabarap,Slc2a6,Ptprm,BC046404,Dpm2,Cpa6,Slc25a35,Wscd2,Igbp1,Wdr7
mmu-miR-381	22(776)	0,0123982	Slc37a4,Kif27,Pef1,Sh3bgr,Krt80,Caml,Vps39,Ankra2,Gpr133,Txnrd3,Nipa1,Wisp2,Tom1,Snta1,Serpinb9b,Slc6a8,Ntn4,Pxmp4,Ahnak,Tom1l2,Mdfic,Zfp704
mmu-miR-106b*	19(776)	0,0125483	Dtx2,Ascc2,Arvcf,Rab40b,Dynlrb1,Cacna1g,Herpud2,Ndufa10,Ascc1,Mocs2,Ing4,Slc26a11,Atp6v0b,Chchd6,Slc2a6,Adamtsl4,Ckm,Acaa1a,Yif1a
mmu-miR-376a	25(776)	0,0127041	Col14a1,Tmem41a,BC024814,Insig2,Adamts5,Akap13,1110007C09Rik,Adcy9,Tob1,Qpct,Stard6,Bphl,Serpinb9c,Zmat2,Gabarap,Rab7l1,Atp5s,Ptdss1,Nr2c1,Cdh7,Cog6,Wdr7,Uchl1,Mtus1,Shroom3
mmu-miR-29b*	23(776)	0,012934	Ahnak2,Neu1,Copz2,Gng5,Anxa3,Slc31a2,Alkbh6,Sepw1,Nme2,Bphl,Serpinb9b,Deb1,BC089491,Nol3,Pde6d,Slc39a14,Mrpl55,Sirt2,Kif13b,Csrp2,1700021C14Rik,1700094D03Rik,Npc1
mmu-miR-539	20(776)	0,0131228	Fech,Adra1b,Rab43,Crot,Smpdl3a,Atp6v0e,AI593442,Caml,D6Wsu163e,Ank2,Fstl1,Gstk1,Tob1,Lnx1,Ccdc80,Adar,Fabp3,Tanc2,Cpa6,Wdr7
mmu-miR-33*	17(776)	0,0131271	Lgr4,Alg14,Sh3bgr,Rab40b,Creb3,1700009P17Rik,Arnt,Fbxl2,Dusp8,Lrrc57,Fabp3,Mlycd,Bbs5,Akap4,Nol3,Atp6v0b,Acyp2
mmu-miR-335-3p	19(776)	0,0131644	Ecm1,Hspa12a,Insig2,Fem1a,Ank2,Sgcb,Alkbh6,Ndufa10,Itgb1bp1,Lnx1,Tmem154,Tmem175,Dopey2,BC089491,Clip4,Rab7l1,Acyp2,Ugt2b36,Csrp2
mmu-miR-26b	24(776)	0,0133617	2310028O11Rik,Sgca,Kif27,Commd8,Fbxo9,Insig2,Emilin2,Adcy9,Qk,Tob1,Nipa1,St3gal5,Mocs2,Hectd3,Ccdc80,Ugt2b36,Kif13b,Tmbim1,Ptprm,Ssfa2,Cpa6,Gpr39,Mras,Fzd6
mmu-miR-467a*	18(776)	0,0133633	Mcee,Plb1,Kif27,Mpv17,Glrb,Stam2,Smad6,Sync,Cacna1g,Npy6r,Slc9a6,Ccdc80,Pde4dip,Slc41a3,Ugt2b36,Ssbp2,Cdh7,Stx7
mmu-miR-181b	25(776)	0,0133717	Kif27,Kremen1,Ppapdc3,Atp9b,Ank2,Lyplal1,Rragc,Cacna1g,Ephb3,Repin1,Tcn2,Zbtb4,Slc9a6,Pbxip1,Ascc1,Slc35c2,Psen2,Ly6c1,Hck,1110034G24Rik,Gpr39,Kif3a,Cpeb1,Oplah,Uchl1
mmu-miR-155	23(776)	0,0138653	Bri3,Slc37a4,Prss29,Cyp4v3,Npy6r,Rora,L1cam,Mocs2,Asah1,Add3,Pik3ip1,Mlycd,Pde6d,Pkia,Ctsl,1300010F03Rik,Def8,Kif3a,Tbc1d9b,1810030N24Rik,Tubb2a,Satb1,Chpt1
mmu-miR-718	21(776)	0,014187	Dtx2,Cox4nb,Hspa12a,Ascc2,Cobl,Prss36,Smad6,Gadd45b,Trpv4,Tpcn1,Ndufa10,Gdf15,Cdk5,Psen2,Fzd8,Slc25a39,Sema3f,Cox6a2,Gas6,Pcsk6,1700094D03Rik

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-448	20(776)	0,0141887	Kctd9,Mcee,Commd8,Adc,Fbxo9,Stam2,Ppapdc3,Klf15,Trappc6a,Ank2,Tmem87b,Ttc15,Tpcn1,Qpct,Ccdc80,Ly6c1,Slco3a1,Mtss1,Hint3,1700094D03Rik
mmu-miR-126-5p	21(776)	0,0144112	Iah1,Adamts5,Cyp4v3,Dynlrb1,Lmbr1,Clip1,Skap2,Qk,Myom2,Qpct,Lnx1,Myeov2,Bbs5,Il17d,Synpo2,Ssfa2,Serf2,Nhlrc1,Igbp1,Tubb2a,3110002H16Rik
mmu-miR-451	23(776)	0,0149442	Gnptg,Ccdc126,Nt5m,Sh3bgr,Ank2,Lmbr1,Ankra2,Dok4,Appl2,Galns,Dusp8,Nrip3,Mfap5,Glt8d1,Ulk2,Npdc1,Srp14,Adamts2,Pde4dip,Gabarap,Hck,Cpa6,Mtss1
mmu-miR-325*	18(776)	0,0160907	Zfand3,Ifi35,Iah1,Copg,Commd8,Gabarapl2,Sh3bgr,Creb3,Gramd3,Ptplad2,Anxa3,Gstm2,Ly6c1,5530400B01Rik,Dirc2,1810037I17Rik,Slc41a3,Tmem9b
mmu-miR-181a	24(776)	0,0161691	Dym,Kremen1,Abcb6,Stam2,Ppapdc3,Nudt13,Atp9b,Ank2,Pld1,Lyrm1,Mkrn1,Zbtb4,Slc9a6,Pbxip1,Sec22c,Psen2,Ly6c1,Tanc2,Hck,1110034G24Rik,Gpr39,Cpeb1,Oplah,Uchl1
mmu-miR-880	21(776)	0,0164452	Ppp1r16a,Tssc4,Plb1,Pef1,Ascc2,Fbxo9,Smad6,Cyp4v3,Trpv4,Cd248,Vps8,Gabarapl1,Impdh1,Itpr2,Gpc4,Mrpl55,Acyp2,1110034G24Rik,1810030N24Rik,Slc2a8,Aldh3a2
mmu-miR-466b-3-3p	29(776)	0,0167822	Adra1b,Plb1,Kif27,Mpv17,D16H22S680E,Stam2,Smad6,Sync,Creb3,Acox1,Anxa3,Cacna1g,Npy6r,Lnx1,Mmaa,Pon3,Zmat2,Ctsl,Pde4dip,Slc41a3,Ssbp2,Chmp4c,Acyp1,Cog6,Nhlrc1,Stx7,Igbp1,Mrps14,Mtus1
mmu-miR-127*	17(776)	0,0170008	Dtx2,Sgca,R74862,Fn1,Iqsec2,5830405N20Rik,Synpo,Zbtb4,Nfe2l1,Ccdc80,Pxmp4,Slco3a1,1110034G24Rik,Gpr39,Slamf9,Slc2a8,Oplah
mmu-miR-22*	20(776)	0,0176067	Gtf2h5,Copg,Prss29,Rab4b,Cyp27a1,Nfs1,Vps8,Btf3l4,Tmem87b,Clip1,Hoxa1,Bphl,Mmaa,Tollip,Dbp,Cyb5,Asb1,Slc25a39,Sema3f,Hint3
mmu-miR-27a	23(776)	0,017612	Dym,Habp4,Fn1,AI593442,Vps39,Vps8,Skap2,Appl2,Guk1,Ypel3,Asah1,Deb1,2310046K01Rik,Akap4,Npdc1,Slc26a11,Rab7l1,Asb1,Fbxl20,Cog6,Csrp2,Mras,1700094D03Rik
mmu-miR-135b	23(776)	0,0178575	Usp2,Plb1,Snrpn,Glrb,Adamts5,Tmem87b,Ttc15,Mtap6,Snta1,Glt8d1,Ing4,Pltp,4930523C07Rik,Mtm1,Npdc1,Pdia5,Csrp2,Mras,Acaa1a,Slamf9,Lrsam1,Yif1a,Vps29
mmu-miR-297b-5p	21(776)	0,0179939	Mcee,Plb1,Cat,Kif27,Snrpn,Fbxo9,Insig2,Sync,Amhr2,Akap13,Armc8,5830405N20Rik,2010003O02Rik,Lnx1,Ypel3,Plcb1,Tsc22d3,Pcbd2,Ssbp2,Chmp4c,Mras
mmu-miR-186*	18(776)	0,018051	Ahnak2,Zfand3,Stmn3,Arvcf,Cd81,Prss36,Tgfb2,Kif1c,Copz2,Slc7a7,Rell2,Lrba,Mrpl55,1810046J19Rik,Fbxw4,Atp6v0a1,Tmem38a,Pcsk6
mmu-miR-134	22(776)	0,0186116	Sqrdl,Sgca,Kremen1,Smpdl3a,Insig2,Habp4,Crybb3,Armc8,Pigz,Hsd3b3,Iscu,Hbxip,Nol3,2010111I01Rik,Mmab,Slc25a39,Ptprm,Mxra7,Ckm,Slc25a35,Cacna1b,Lrpap1
mmu-miR-582-3p	22(776)	0,0188767	1300014I06Rik,Dym,Tmem41a,Cyp27a1,Rab40b,Atp6v1e1,Ank2,Sgcb,Clip1,2010003O02Rik,Rasl12,Ccdc64,Bphl,Slc22a4,Vnn1,Dopey2,Ctsb,Tyrp1,Dhps,Tom1l2,1700094D03Rik,Mcl1
mmu-miR-698	21(776)	0,0197326	Pank2,Thra,Bri3,Ascc2,Fem1a,Kif1c,Gng5,Gramd3,Ube2h,Gstm2,Arl2,Itga9,Lrrc57,Grik2,Mfap5,Zfand2b,Ahnak,Sorbs3,Sh3tc2,Scarb2,Igfbp2
mmu-miR-467e*	17(776)	0,0199031	Mcee,Plb1,Kif27,Glrb,Stam2,Smad6,Sync,Npy6r,Slc9a6,Ccdc80,Pon3,Pde4dip,Slc41a3,Ugt2b36,Ssbp2,Cdh7,Stx7
mmu-miR-127	21(776)	0,0203107	9030409G11Rik,Slc16a9,Nudt13,Renbp,Adcy9,Tmem87b,Sepw1,Txnrd3,Mapk4,Ndel1,Epb4.1l4b,Gp1bb,Tollip,Plcb1,Spata21,Slc25a39,Cpa6,Sh3tc2,Adamtsl4,Tmem9b,Atp10d
mmu-miR-146b	23(776)	0,0211847	Mpv17,Cyp27a1,Insig2,Vps8,Sgcb,Tmem87b,Slc44a1,Gstm2,Ccdc64,Bphl,C330006K01Rik,Garnl3,Bbs5,Gdap2,Mustn1,Ctsb,Gpc4,1300010F03Rik,Pde4dip,Tanc2,Tyrp1,Chst12,Dusp22
mmu-miR-129-5p	22(776)	0,0212332	Mcee,Plb1,Copz2,Akap13,Vps8,Lyrm1,Clip1,Anxa3,Calml4,Farp2,Lnx1,Cspg4,2700078K21Rik,Deb1,Os9,Nupr1,Mmab,Zfand2b,Ptprm,Tuba8,Cpa6,Shroom3
mmu-miR-185	19(776)	0,022003	Fahd2a,Elmo2,Nfs1,Iqsec2,Ank2,Hsd3b3,Wisp2,L1cam,P4ha2,Garnl3,9130011J15Rik,Ing4,Gabarap,Cyb5,Asb1,Ikbkg,Chst12,Rabac1,Shroom3
mmu-miR-496	19(776)	0,022003	Pank2,Bri3,Smpdl3a,Nudt13,Gng5,Sgcb,Ttc15,Gstm2,Qpct,Mocs2,Bbs5,Serinc3,0610037L13Rik,Adamts2,Isca2,Zfand2b,1810037I17Rik,Rab7l1,Ndrg4
mmu-miR-181c	24(776)	0,0221219	Kremen1,D16H22S680E,Stam2,Ppapdc3,Nudt13,Ank2,Pld1,Lyplal1,Armc8,Ephb3,Mkrn1,Guk1,Slc9a6,Pbxip1,Ascc1,Nudt7,Ly6c1,Tanc2,Hck,Cdh7,1110034G24Rik,Gpr39,Reck,Aldh3a2
mmu-miR-218-1*	19(776)	0,0226819	Bri3,Plb1,Cat,Fbxo9,R74862,Fn1,Dusp3,Abcd1,Stx8,Sepw1,Myeov2,Serpinb9b,Ly6c1,Bbs5,4930523C07Rik,Hgsnat,Acyp2,Slc25a39,Hadhb
mmu-miR-7a*	19(776)	0,0238279	Nt5m,Slc7a7,Anxa3,Hexb,Ttc15,Zbtb4,Gdf15,Bphl,P4ha2,Srp14,Atp6v0b,Ikbkg,Acyp1,Cdkn2b,Wdr7,Chst12,Limch1,Hint3,Chpt1
mmu-miR-802	21(776)	0,0246305	Snap91,Sqrdl,Kif27,Insig2,Znrf2,Cyp4v3,Nudt13,Nfs1,Atp6v1e1,Skap2,Nfe2l1,Nudt7,Ccdc80,Rdh12,Srr,Ikbkg,Chmp4c,Tyrp1,Stx7,Wdr7,Shroom3
mmu-miR-98	22(776)	0,0248195	Ifi35,Dtx2,Tcta,Tmem41a,Alg14,Tlr6,Habp4,Cyp4v3,Trappc6a,Gng5,Skap2,Rab3gap2,Chrd,Lnx1,Slc35b1,Riok3,St3gal5,Grik2,Fabp3,Gdap2,1110034G24Rik,Acaa1a

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-875-5p	23(776)	0,0252754	Wdr47,Col14a1,Dhrs3,Rbms2,Klf15,D6Wsu163e,Mtmr3,Ank2,Slc7a7,Alkbh6,Calml4,Ppt2,Deb1,Slc22a4,Mustn1,Gabarap,Chid1,Clip4,Ufc1,Cdh7,Ckm,Pcsk6,Aldh3a2
mmu-let-7c-1*	26(776)	0,0254624	Zfand3,Kif27,Zdhhc4,Crot,Papss2,Selm,Glrb,Rab40b,Lmbr1,Ccny,Skap2,Cacna1g,Myom2,Ndel1,Ypel3,Gdf15,Rapsn,Mocs2,Iscu,Gpc4,App,Klf2,Dpm2,Cog6,Ltbp3,Zfp704
mmu-miR-471	21(776)	0,0256027	Adc,Lactb2,Rab3d,Gabarapl2,Glrb,Atp9b,Pld1,Ankra2,Tpcn1,Lnx1,Slc9a6,Serpinb9b,Mmaa,Glt8d1,Fabp3,Sema3c,Dner,Atp5s,Cpa6,Slc25a35,Igbp1
mmu-miR-450b-3p	22(776)	0,0261501	Thra,Iah1,Plb1,Mpv17,Ubl4,Gng5,Pigz,Sepw1,Apoa1bp,Ndel1,Farp2,Lnx1,Ascc1,Nkiras2,Srp14,Klf2,Il17d,Glipr1,Stx7,Igfbp2,1700021C14Rik,1700094D03Rik
mmu-miR-871	20(776)	0,0268393	Thra,Sqrdl,Commd8,Lgr4,Birc7,Caml,Gng5,Ttc15,Myom2,Ccdc64,Qpct,Slc9a6,Epb4.1l4b,Impdh1,Nrip3,Ing4,Lrba,Il17d,Ssbp2,Scarb2
mmu-miR-882	19(776)	0,0272449	Plb1,Kif27,Abcb6,Clstn1,Loxl1,Pigz,Txnrd3,Hsd3b3,2700078K21Rik,Adar,9130011J15Rik,Ly6c1,App,Gabarap,Il17d,Tuba8,Sparc,Igbp1,Chst12
mmu-miR-363	25(776)	0,0274914	Sgca,Lgr4,Kif3b,Gyg,Nt5m,Znrf2,Smad6,Serpinb6c,Dab2ip,Gramd3,Anxa3,Tob1,Herpud2,Mocs2,Iscu,Snx10,Dynlt3,4930523C07Rik,Sirt2,Klf2,Cxcr7,Dnajc4,Cdkn2b,Rabac1,Dusp22
mmu-miR-376c*	17(776)	0,0277347	Pmp22,Alg14,AI593442,Nfs1,1110007C09Rik,Chrd,Lnx1,P4ha2,Nudt7,Glt8d1,Pon3,Clip4,Csrp2,1810030N24Rik,Wdr7,Limch1,Ltbp3
mmu-miR-425	23(776)	0,0291462	Adra1b,Sh3bgr,Loxl1,Dynlrb1,Lyplal1,Repin1,Ndufa10,Rora,Impdh1,Cdk5,Deb1,Bbs5,Trak1,Plcb1,Mtm1,Hgsnat,Srp14,Acyp2,Acaa1a,Hadhb,Igbp1,Camkk1,Stxbp1
mmu-miR-195	22(776)	0,0295098	Bri3,Tmem41a,Rab4b,Napb,Mtmr3,Fbxl2,2010003O02Rik,Arl2,Ypel3,Shank3,Rapsn,P4ha2,Nudt7,Mlycd,Srp14,Frmpd1,Zfand2b,Fbxl20,Itfg3,Ckm,Slamf9,Rabac1
mmu-miR-875-3p	21(776)	0,0297991	Tlr6,Gabarapl2,Atp6v0e,Loxl1,Lyrm1,Anxa3,Skap2,Nudt7,Asah1,Rdh12,Bbs5,Atg7,Dner,Sirt2,Tanc2,Chchd6,Ufc1,Dnajc4,Lmna,Limch1,Chpt1
mmu-miR-323-3p	24(776)	0,030101	Commd8,Adc,Klhl18,D16H22S680E,Klf15,Vps8,Slc44a1,Guk1,Itgb1bp1,Myeov2,Ascc1,Idua,Hist1h1e,Naga,Ctsb,Lrba,Ctsl,Zdhhc24,Cdh7,Htatip2,BC004004,Mtss1,Tom1l2,Reck
mmu-miR-181d	23(776)	0,0305872	Kif27,Kremen1,Mtap1a,Emilin2,Ppapdc3,Atp9b,Ank2,Lyplal1,Rragc,Repin1,Zbtb4,Slc9a6,Pbxip1,Slc35c2,Psen2,Ly6c1,Hck,1110034G24Rik,Gpr39,Kif3a,Cpeb1,Oplah,Uchl1
mmu-miR-32	24(776)	0,0308078	Ugp2,Gyg,Tcta,Nt5m,Adamts5,AI593442,Smad6,Trappc6a,Serpinb6c,Slc35a2,Dgkg,Gramd3,Anxa3,Ankra2,Tob1,Herpud2,Dynlt3,Klf2,Hck,Dpm2,Kif3a,Dnajc4,Igbp1,Dusp22
mmu-miR-678	22(776)	0,0323097	Pank2,Copg,Hadha,Pef1,Nt5m,Gadd45b,Atp9b,Slc35a2,Myo6,Ephb3,Ndel1,Hbxip,Mtcp1,Nol3,Sorbs3,Asb1,Slc25a39,Dpm2,Htatip2,Mras,Rabac1,Nagk
mmu-miR-291a-5p	24(776)	0,0328236	Map3k8,Bri3,Adra1b,Ascc2,Prss29,Tlr6,Trpv4,Cd248,Tgfb2,Mrgprf,Clip1,Ttc15,Stard6,Nfe2l1,Ehd3,Anxa1,Dynlt3,Mrpl55,Cdh7,Cpa6,Ckm,Rabac1,Zfp704,Mtus1
mmu-miR-154	19(776)	0,0333326	Acp2,Ugp2,Tmem41a,Trpc7,Lrrc51,Stam2,Nudt13,Mtmr3,Slc35a2,1810020D17Rik,Lmbr1,Tcn2,Hsd3b3,C1qtnf6,Mocs2,Atg7,Sned1,Tollip,Ufc1
mmu-miR-543	21(776)	0,0340433	Maob,D16H22S680E,Fn1,Ppapdc3,Sync,Nfs1,Bace1,Slc7a7,Tbc1d22a,Lyplal1,Repin1,Myom2,Lrrc57,Grik2,Nenf,Klf2,Cpa6,Gpr39,Sh3tc2,Slc2a8,Lmna
mmu-miR-463	21(776)	0,0349692	Snrpn,Lgr4,Kremen1,Rbms2,Inpp5a,Cyp4v3,1110007C09Rik,Skap2,Gstm2,Ypel3,Myeov2,Idua,Anxa1,Fabp3,Psen2,Adamtsl5,Reep3,S100a16,Csrp2,Adamtsl4,Uchl1
mmu-let-7e	24(776)	0,0366643	Ppp1r16a,Mcee,Rras,Elmo2,R74862,Cyp4v3,Trappc6a,Akap13,Gng5,Skap2,Trappc2l,Itgb1bp1,Ppt2,St3gal5,Fabp3,Gdap2,Tollip,Mtm1,Isca2,Tex264,Zdhhc24,1110034G24Rik,1810046J19Rik,Wscd2
mmu-miR-503*	15(776)	0,0411302	Ugp2,Sgca,Kif27,Sema3b,Slc7a7,Sgcb,Ttc15,Qpct,Herpud2,Zbtb4,Mfap5,Bbs5,Lrba,Tyrp1,Acaa1a
mmu-miR-669a	21(776)	0,0411516	Ahnak,Zfand3,Copg,Mcee,Insig2,Higd1a,Adamts5,Fstl1,Bmp4,Rapsn,Rdh12,Ly6c1,Triap1,Ahnak,Sorbs3,Acyp2,Cpa6,Mras,Gas6,Zfp704,Vps29
mmu-miR-511	19(776)	0,0413243	Bri3,Sgca,Gpx4,Elmo2,Sync,Myom2,Fbxl2,Ccdc64,Cspg4,Ccdc80,Ing4,Tollip,Pde6d,App,Mrpl55,1810027O10Rik,Cdh7,Cpa6,1810046J19Rik
mmu-miR-340-5p	19(776)	0,0429193	Thra,AI593442,Hdlbp,F630110N24Rik,Gng5,Skap2,9430038I01Rik,Myo6,Hsd3b3,Alas1,Rapsn,Ly6c1,Triap1,Slc41a3,Il17d,Ugt2b36,Ssbp2,Nr2c1,Scarb2
mmu-miR-376b*	16(776)	0,0429636	Commd8,Pmp22,Ascc2,AI593442,Nfs1,Akap13,1110007C09Rik,Gng5,Chrd,Nudt7,Glt8d1,Pon3,Clip4,Rab7l1,Wdr7,Ltbp3
mmu-miR-197	20(776)	0,0429656	1300014I06Rik,Adamts5,Dynlrb1,Pld1,Trpt1,Gramd3,Gpr133,Chrd,Man2b1,St3gal5,Pik3ip1,Ulk2,Hbxip,Lrp4,Vamp3,Gpr39,Scn1b,Cpeb1,1700021C14Rik,Ankrd44
mmu-miR-379	21(776)	0,0442156	Ap3s1,Dtx2,Maob,Ecm1,Hadha,Hist2h2bb,Cyp4v3,Ppp2r5b,Dgkg,Tmem87b,Idua,Mtm1,Frmpd1,Gabarap,Nr2c1,Slc2a6,Cpa6,Gpr39,9930013L23Rik,Cyb5r3,Tubb2a

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-24-1*	19(776)	0,0452867	Hspa12a,Ctbs,Nfs1,Dynlrb1,Vps8,Skap2,Apoa1bp,Nudt7,2700078E11Rik,Glt8d1,Tmem175,Ly6c1,Npdc1,Zfand2b,Serf2,1110034G24Rik,Csrp2,Mtss1,9930013L23Rik
mmu-miR-193	21(776)	0,045849	Slc6a7,Mpv17,Cyp27a1,Slc7a7,Vps8,Lmbr1,1700009P17Rik,Slc31a2,Ttc15,Wisp2,Snta1,Lrrc57,Pik3ip1,Tmem175,Nkiras2,Dbp,Srp14,Daglb,Tbc1d14,Tbc1d9b,1700094D03Rik
mmu-miR-186	19(776)	0,0484185	Plb1,Rpl17,Hspa12a,Smad6,Cd248,Ank2,5830405N20Rik,Qpct,Chrd,Sec22c,Mfap5,C330006K01Rik,Serinc3,Ntn4,Ankrd29,1300010F03Rik,Clip4,Csrp2,Aph1a
mmu-miR-146a	22(776)	0,0487916	Wdr47,Mpv17,Cyp27a1,Insig2,Adcy9,Vps8,Sgcb,Tmem87b,Tmco3,Gstm2,Bphl,Mocs2,Garnl3,Bbs5,Gdap2,Ctsb,Gpc4,1300010F03Rik,Pde4dip,Tanc2,Tyrp1,Dusp22
mmu-miR-694	16(776)	0,0497103	Hexa,Atp6v0e,Anxa3,Ankra2,Nudt7,Mfap5,Deb1,9130011J15Rik,Bbs5,Tanc2,Chchd6,Rab7l1,Cpa6,Cox6a2,Dnajc4,Chpt1

miRNA name	Number of genes	Corrected p-value	miRNA targets among genes induced in Rasless cells (from Table S1)
mmu-miR-24-1*	19(776)	0,0452867	Hspa12a,Ctbs,Nfs1,Dynlrb1,Vps8,Skap2,Apoa1bp,Nudt7,2700078E11Rik,Glt8d1,Tmem175,Ly6c1,Npdc1,Zfand2b,Serf2,1110034G24Rik,Csrp2,Mtss1,9930013L23Rik