

Table S2. Functional annotation of the downregulated, 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 repressed loci occurring in Rasless MEFs (Table S1, Additional file 1, FDR=0.01) to specific cellular functionalities, including particular Biological Processes (section S2-BP), Transcriptional Factors (section S2-TF), Signaling Pathways (Section S2-KEGG) or miRNAs (Section S2-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 annotated to the indicated functionality, out of the total number (in parenthesis) of genes recognized by GeneCodis in the list of repressed 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 S2-BP (pages 2-15), the column “*Functional Category*” assigns common colors to groups of related GO numbers and descriptions falling under the same, high level, general functional categories (DNA and RNA processing, Cell cycle, Cytoskeleton-regulated processes, Transport, Cell death, etc). In section S2-KEGG (pages 16-17), the column “*KEGG Pathway*” identifies KEGG number and denomination of signaling pathways potentially affected by the corresponding group of repressed loci listed in each case. In section S2-TF (pages 18-27), the “*Transcription Factors*” column identifies specific transcription factors that may account for repression of the corresponding groups of loci listed in each case. Finally, in section S2-miRNA (pages 28-53), the “*miRNA name*” column identifies specific mouse miRNAs that, according to current literature and databases, may contribute to the patterns of mRNA repression described for Rasless cells in Table S1.

Table S2-BP. Functional annotation to GO BIOLOGICAL PROCESSES of the downregulated, differentially expressed genes of Rasless MEFs

<i>Functional category</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
<u>DNA AND RNA PROCESSING</u>			
GO:0016070: RNA metabolic process	287(1215)	4.19E-80	Crebzf, Wdr3, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, U2af1, Cbx3, Rbmxrt, Kin, Esf1, Pabpn1, Asxl3, Myc, Lsm2, Elf2, Mcm2, Snrpd1, Chaf1b, Rnmt, Zfp57, Nola1, Pou2f1, Sf3a3, Gli3, Gbbp1, Srpk1, Narg1, Slbp, Fbl, Litaf, Etv4, 2210018M11Rik, Prpf19, Sfrs7, Prpf4b, Prim2, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Ebna1bp2, Taf5, Tbx3, Sip1, Arid4b, Uhrf1, Rnaseh2a, Cpsf2, Dmap1, Ppwd1, Elp2, Ecd, Utp6, 3930401K13Rik, Hat1, Vps36, Sfpq, Atrx, Bach1, Baz1a, Rnf2, Hnrnpm, Utp11, Tyw3, Mphosph10, Satb2, Runx2, Ets2, Tcerg1, Ppil1, Smndc1, Bnc2, Mcm4, Trim27, 2510012J08Rik, Fhl2, Fosl1, Cand1, Tcf4, Mrpl1, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Prpf4, Ddx46, Ezh2, Cenpk, Gemin6, Cpsf4, Asf1a, Nob1, Psr1, Prpf38b, Trit1, Eftud2, Aebp2, Gemin8, Atad2, Rbl1, Dis3, Dbr1, Whsc1, Exosc8, Isy1, Mbtps2, Trim24, Zcchc8, Cnot6, Utp15, Snapc3, Ebf2, Hdac2, Trim28, Smarca5, Six4, Nono, Sfrs3, Sap30, Cpsf6, Prpf40a, Dimt1, E2f7, Ptbp2, Nudt21, Phf6, Tardbp, Rnps1, Ctbp2, Nab2, Pspc1, Sfrs4, Smarcc1, Snrpb, Rcl1, Mxk, Cdca7l, Trub1, Zfp280c, Phf17, Hnrnpk, Hnrpd, Kars, Foxm1, 1110005A23Rik, Egr3, Zik1, Snrpb2, Cdca7, U2af2, Mcm3, Snrpa1, Ruvbl2, Wdr57, Etv5, Hnrnp, Prpf38a, Psip1, Rbbp4, Ifi205, Tgif1, Magoh, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, Sf3a1, Imp3, Lsm8, 2410016O06Rik, Dlx1, Ets1, Ddx51, Sf1, Ssrp1, Exosc2, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Fusip1, Rbm9, Sfrs10, Hnrnpa2b1, Pprc1, Hltf, Dkc1, Hells, Nsun2, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Cugbp1, Mcm7, Larf7, Prim1, Med13l, Zfp532, Prpf31, Rbm17, Eif4a3, Trmt6, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khsrp, Zfp184, Rnf12, Polr1e, Junb, Zfp36l2, Nsbp1, Zfp451, Sox4, Nr2f2, Klf5, Khdrbs1, Hnrnpf, Thl1, Zfp770, Elk3, Tcfe2a, Elavl1, Foxp1, Cdc40, Hnrnpa1, Mybl2, Pnn, Tgif2, Dhx15, Emg1, Ell, Bclaf1, 5730453I16Rik, Paipl1, Syncrip, Suz12, 2610101N10Rik, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Lcorl, Lif, Whsc2, Brunol4, Ppih, Etv6, Tead2, Cdc5l, Mcm6, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Cstf2, Sox11, Sfrs1, Hnrnpd, Ddx39, Snw1, Cbx2, Npm1, Suv39h2, Sirt1, Rest, E2f8

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0006259: DNA metabolic process	115(1215)	1,46E-71	Neil3, Rbbp7, Ruvbl1, Apex1, Gtf2h2, Kin, Myc, Ccne2, Mcm2, Lin9, Chaf1b, Rad54l, Smc3, 2210018M11Rik, Prpf19, Gins4, Prim2, Pola1, Casp3, Hmgn1, Dscc1, Terf1, Fanca, Recq4, Msh6, Rad51ap1, Pttg1, Uhrf1, Blm, Dbf4, Sfpq, Atrx, Fancd2, Rrm1, Trip13, Mcm4, Rpa2, Dtl, Mcm5, Top2a, Fancm, Dnmt1, Asf1a, Top1, Clspn, Psmc3ip, Cdc45l, Rfc2, Brca1, Gins1, Orc1l, Rad21, Exo1, Nono, Rad51, Pold3, Nasp, Parp1, Rrm2, Lig1, Gins3, Rfc4, Rad18, Pole2, Mcm3, Pold1, Ruvbl2, Gmnn, Tipin, Aifm1, Rad51c, Rbbp4, Topbp1, Smc5, Mbd4, Fancb, Ssrp1, Orc6l, Mre11a, Fen1, Gins2, Dffb, Hus1, Hells, Gen1, Mcm7, Rfc5, Prim1, Mcm10, Chek1, Apex2, Mnd1, Fancc, Smc6, Setx, Rfc3, Orc2l, Tinf2, Foxp1, Msh2, Ung, Nudt1, Trpc2, Usp1, Swap70, Tnks2, Pcna, Pola2, Cdt1, Eme1, Esco2, Mcm6, Tk1, Ctcf, Cdc6
GO:0034961: cellular biopolymer biosynthetic process	272(1215)	9,03E-65	Crebzf, Bcl10, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, Kin, Esf1, Asxl3, Igf2bp1, Gtf3c2, Myc, Ccne2, Elf2, Etf1, Rps9, Mcm2, Lin9, Pum2, Chaf1b, Zfp57, Pou2f1, Topors, Gli3, Gpbbp1, Hbs1, Narg1, Litaf, Etv4, 2210018M11Rik, Gins4, Prim2, Mycn, Ilf3, Runx1, Pola1, Mlf1ip, Egr1, Dscc1, Terf1, Taf5, Tbx3, Arid4b, Msh6, Uhrf1, Dmap1, Elp2, Rpo1_1, Ecd, Zcchc11, 3930401K13Rik, Blm, Hat1, Vps36, Dbf4, Sfpq, Mrpl19, Atrx, Bach1, Rrm1, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Rpa2, Trim27, Fhl2, Dtl, Fosl1, Cand1, Rpl41, Tcf4, Mrpl1, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Cdk2, Asf1a, Top1, Psrcl, Cdc73, Clspn, Patz1, Aebp2, Cdc45l, Atad2, Rps13, Rbl1, Pthr2, Rfc2, Brca1, Tgfb3, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Pogz, Hdac2, Trim28, Smarca5, Gins1, Orc1l, Six4, Nono, Sap30, Pold3, E2f7, Eif4h, Phf6, Tardbp, Ctbp2, Nab2, Rpl3, Pspc1, Nasp, Smarcc1, Rrm2, Mlx, Cdca7l, Lig1, Zfp280c, Phf17, Hnrpd1, Kars, Foxm1, Gins3, 1110005A23Rik, Egr3, Zik1, Rfc4, Cdca7, Pole2, Mcm3, Pold1, Ruvbl2, Eif5, Gmnn, Tipin, Etv5, Psp1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Mrps6, Gmeb1, Eid1, Rpl7l1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Ets1, Sf1, Denr, Tmpo, Ssrp1, Orc6l, Fen1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Gins2, Fusip1, Pprc1, Eef1g, Hus1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Rfc5, Prim1, Mcm10, Polr2b, Med13l, Zfp532, Trmt6, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khsp, Zfp184, Twistnb, Rnf12, Polr1e, Junb, Nsbp1, Zfp451, Ccna2, Sox4, Nr2f2, Rfc3, Orc2l, KlF5, Khdrbs1, Th1l, Zfp770, Elk3, Rpo12, Tcf2a, Foxp1, Msh2, Eif2s1, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Paip1, Suz12, Casp8ap2, Rbpj, Ash2l, Myef2, Mybbp1a, Gspt1, Pcna, Pola2, Lcorl, Lif, Whsc2, Cdt1, Etv6, Tead2, Cdc5l, Mcm6, Ripk2, Gata2, Tk1, Ctcf, Cdc6, Hmga1, Fubp1, Prmt5, Sox11, Hnrnpd, Snw1, Cbx2, Suv39h2, Sirt1, Rest, E2f8
GO:0006396: RNA processing	103(1215)	5,86E-58	Wdr3, U2af1, Rbmxrt, Kin, Pabpn1, Lsm2, Snrpd1, Rnmt, Nola1, Sf3a3, Srpkl, Slbp, Prpf19, Sfrs7, Prpf4b, Ebna1bp2, Sip1, Cpsf2, Ppww1, Utp6, Sfpq, Hnrnpm, Utp11l, Tyw3, Mphosph10, Ppil1, Smndc1, 2510012J08Rik, Mrpl1, Prpf4, Ddx46, Gemin6, Cpsf4, Nob1, Prpf38b, Trit1, Eftud2, Gemin8, Dis3, Dbr1, Exosc8, Isy1, Zcchc8, Utp15, Nono, Sfrs3, Cpsf6, Prpf40a, Dimt1, Ptbp2, Nudt21, Tardbp, Rnps1, Sfrs4, Snrpb, Rcl1, Trub1, Hnrnpk, Snrpb2, U2af2, Snrpa1, Wdr57, Hnrnpk, Prpf38a, Magoh, Ddx20, Sf3a1, Imp3, Lsm8, Ddx51, Sf1, Exosc2, Fusip1, Rbm9, Sfrs10, Hnrnpa2b1, Dkcl1, Nsun2, Cugbp1, Lar7, Prpf31, Rbm17, Eif4a3, Trmt6, Khsp, Hnrnpf, Cdc40, Hnrnpa1, Pnn, Dhx15, Emg1, 5730453116Rik, Syncrip, 2610101N10Rik, Brunol4, Ppih, Cdc5l, Cstf2, Sfrs1, Ddx39, Snw1, Npm1
GO:0006397: mRNA processing	77(1215)	4,20E-48	U2af1, Rbmxrt, Kin, Pabpn1, Lsm2, Snrpd1, Rnmt, Sf3a3, Srpkl, Slbp, Prpf19, Sfrs7, Prpf4b, Sip1, Cpsf2, Ppww1, Sfpq, Hnrnpm, Ppil1, Smndc1, 2510012J08Rik, Prpf4, Ddx46, Gemin6, Cpsf4, Prpf38b, Eftud2, Gemin8, Dbr1, Isy1, Zcchc8, Nono, Sfrs3, Cpsf6, Prpf40a, Ptbp2, Nudt21, Tardbp, Rnps1, Sfrs4, Snrpb, Hnrnpk, Snrpb2, U2af2, Snrpa1, Wdr57, Hnrnpk, Prpf38a, Magoh, Ddx20, Sf3a1, Lsm8, Sf1, Fusip1, Rbm9, Sfrs10, Hnrnpa2b1, Cugbp1, Prpf31, Rbm17, Eif4a3, Khsp, Hnrnpf, Cdc40, Hnrnpa1, Pnn, Dhx15, 5730453116Rik, Syncrip, Brunol4, Ppih, Cdc5l, Cstf2, Sfrs1, Ddx39, Snw1, Npm1
GO:0016071: mRNA metabolic process	81(1215)	9,15E-48	U2af1, Rbmxrt, Kin, Pabpn1, Lsm2, Snrpd1, Rnmt, Sf3a3, Srpkl, Slbp, Prpf19, Sfrs7, Prpf4b, Sip1, Cpsf2, Ppww1, Sfpq, Hnrnpm, Ppil1, Smndc1, 2510012J08Rik, Prpf4, Ddx46, Gemin6, Cpsf4, Prpf38b, Eftud2, Gemin8, Dbr1, Isy1, Zcchc8, Nono, Sfrs3, Cpsf6, Prpf40a, Ptbp2, Nudt21, Tardbp, Rnps1, Sfrs4, Snrpb, Hnrnpk, Hnrpd1, Snrpb2, U2af2, Snrpa1, Wdr57, Hnrnpk, Prpf38a, Magoh, Ddx20, Sf3a1, Lsm8, Sf1, Fusip1, Rbm9, Sfrs10, Hnrnpa2b1, Cugbp1, Prpf31, Rbm17, Eif4a3, Khsp, Hnrnpf, Cdc40, Hnrnpa1, Pnn, Dhx15, 5730453116Rik, Syncrip, Brunol4, Ppih, Cdc5l, Cstf2, Sfrs1, Hnrnpd, Ddx39, Snw1, Npm1
GO:0019219: regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	210(1215)	1,79E-45	Crebzf, Bcl10, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, Esf1, Asxl3, Myc, Elf2, Mcm2, Chaf1b, Zfp57, Pou2f1, Topors, Gli3, Gpbbp1, Srpkl, Narg1, Litaf, Etv4, 2210018M11Rik, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Terf1, Taf5, Tbx3, Arid4b, Msh6, Uhrf1, Dmap1, Elp2, Ecd, Zcchc11, 3930401K13Rik, Blm, Hat1, Vps36, Sfpq, Atrx, Bach1, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Trim27, Fhl2, Fosl1, Cand1, Tcf4, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Cdk2, Asf1a, Psrcl, Clspn, Patz1, Aebp2, Atad2, Rbl1, Tgfb3, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Pogz, Hdac2, Trim28, Smarca5, Six4, Nono, Sap30, E2f7, Phf6, Tardbp, Ctbp2, Nab2, Pspc1, Smarcc1, Mlx, Cdca7l, Zfp280c, Phf17, Hnrpd1, Foxm1, 1110005A23Rik, Egr3, Zik1, Cdca7, Mcm3, Ruvbl2, Gmnn, Tipin, Etv5, Psp1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Ets1, Sf1, Tmpo, Ssrp1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Fusip1, Pprc1, Hus1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Med13l, Zfp532, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khsp, Zfp184, Rnf12, Junb, Zfp3612, Nsbp1, Zfp451, Ccna2, Sox4, Nr2f2, KlF5, Khdrbs1, Th1l, Zfp770, Elk3, Tcf2a, Elavl1, Foxp1, Msh2, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Suz12, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Pcna, Lcorl, Lif, Whsc2, Cdt1, Etv6, Tead2, Cdc5l, Mcm6, Ripk2, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Sox11, Hnrnpd, Snw1, Cbx2, Npm1, Suv39h2, Sirt1, Rest, E2f8
GO:0008380: RNA splicing	67(1215)	2,61E-45	U2af1, Rbmxrt, Lsm2, Snrpd1, Sf3a3, Srpkl, Prpf19, Sfrs7, Prpf4b, Sip1, Ppww1, Sfpq, Hnrnpm, Ppil1, Smndc1, 2510012J08Rik, Prpf4, Ddx46, Gemin6, Prpf38b, Eftud2, Gemin8, Dbr1, Isy1, Zcchc8, Nono, Sfrs3, Prpf40a, Ptbp2, Tardbp, Rnps1, Sfrs4, Snrpb, Hnrnpk, Snrpb2, U2af2, Snrpa1, Wdr57, Hnrnpk, Prpf38a, Magoh, Ddx20, Sf3a1, Lsm8, Sf1, Fusip1, Rbm9, Sfrs10, Hnrnpa2b1, Cugbp1, Prpf31, Rbm17, Eif4a3, Khsp, Hnrnpf, Cdc40, Hnrnpa1, Pnn, Dhx15, Syncrip, Brunol4, Ppih, Cdc5l, Sfrs1, Ddx39, Snw1, Npm1

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0010468: regulation of gene expression	214(1215)	9,89E-45	Crebzf, Bcl10, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, H2afy, Alkbh1, Esf1, Asxl3, Igf2bp1, Myc, Elf2, Mcm2, Pum2, Chaf1b, Zfp57, Pou2f1, Topors, Gli3, Gbbp1, Narg1, Litaf, Etv4, 2210018M11Rik, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Terf1, Taf5, Tbx3, Arid4b, Uhrf1, Dmap1, Elp2, Ecd, Zcchc11, 3930401K13Rik, Hat1, Vps36, Sfpq, Atrx, Bach1, H2afy2, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Trim27, Fhl2, Fosl1, Cand1, Tcf4, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Cdk2, Asf1a, Psrc1, Patz1, Aebp2, Atad2, Rbl1, Brca1, Tgfb3, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Pogz, Hdac2, Trim28, Smarca5, Six4, Nono, Sap30, E2f7, Phf6, Tardbp, Ctbp2, Nab2, Pspc1, Smarcc1, Mxk, Cdca7l, Zfp280c, Phf17, Hnrpd1, Foxm1, 1110005A23Rik, Egr3, Zik1, Cdca7, Mcm3, Ruvbl2, Etv5, Psp1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Mbd4, Ets1, Sf1, Tmpo, Ssrp1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Fusip1, Pprc1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Med13l, Zfp532, Trmt6, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khshr, Zfp184, Rnf12, Junb, Nsbp1, Zfp451, Ccna2, Sox4, Nr2f2, Klf5, Khdrbs1, Th1l, Zfp770, Elk3, Tcfe2a, Foxp1, Eif2s1, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Skp2, Paip1, Suz12, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Lcorl, Lif, Whsc2, Etv6, Tead2, Cdc5l, Mcm6, Ripk2, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Sox11, Hnrnpd, Snw1, Cbx2, Bcl2, Npm1, Suv39h2, Sirt1, Thex1, Rest, E2f8
GO:0010556: regulation of macromolecule biosynthetic process	209(1215)	8,03E-43	Crebzf, Bcl10, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, Esf1, Asxl3, Igf2bp1, Myc, Elf2, Mcm2, Pum2, Chaf1b, Zfp57, Pou2f1, Topors, Gli3, Gbbp1, Narg1, Litaf, Etv4, 2210018M11Rik, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Terf1, Taf5, Tbx3, Arid4b, Uhrf1, Dmap1, Elp2, Ecd, Zcchc11, 3930401K13Rik, Hat1, Vps36, Sfpq, Atrx, Bach1, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Trim27, Fhl2, Fosl1, Cand1, Tcf4, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Cdk2, Asf1a, Psrc1, Clspn, Patz1, Aebp2, Atad2, Rbl1, Tgfb3, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Pogz, Hdac2, Trim28, Smarca5, Six4, Nono, Sap30, E2f7, Phf6, Tardbp, Ctbp2, Nab2, Pspc1, Smarcc1, Mxk, Cdca7l, Zfp280c, Phf17, Hnrpd1, Foxm1, 1110005A23Rik, Egr3, Zik1, Cdca7, Mcm3, Ruvbl2, Gmnn, Tipin, Etv5, Psp1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Ets1, Sf1, Tmpo, Ssrp1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Fusip1, Pprc1, Hus1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Med13l, Zfp532, Trmt6, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khshr, Zfp184, Rnf12, Junb, Nsbp1, Zfp451, Ccna2, Sox4, Nr2f2, Klf5, Khdrbs1, Th1l, Zfp770, Elk3, Tcfe2a, Foxp1, Eif2s1, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Paip1, Suz12, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Pcn, Lcorl, Lif, Whsc2, Cdt1, Etv6, Tead2, Cdc5l, Mcm6, Ripk2, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Sox11, Hnrnpd, Snw1, Cbx2, Bcl2, Suv39h2, Sirt1, Rest, E2f8
GO:0031326: regulation of cellular biosynthetic process	210(1215)	1,91E-42	Crebzf, Bcl10, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, Esf1, Asxl3, Igf2bp1, Myc, Elf2, Mcm2, Pum2, Chaf1b, Zfp57, Pou2f1, Topors, Gli3, Gbbp1, Narg1, Litaf, Etv4, 2210018M11Rik, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Terf1, Taf5, Tbx3, Arid4b, Uhrf1, Dmap1, Elp2, Ecd, Zcchc11, 3930401K13Rik, Hat1, Vps36, Sfpq, Atrx, Bach1, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Trim27, Fhl2, Fosl1, Cand1, Tcf4, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Cdk2, Asf1a, Psrc1, Clspn, Patz1, Aebp2, Atad2, Rbl1, Tgfb3, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Pogz, Hdac2, Trim28, Smarca5, Six4, Nono, Sap30, E2f7, Phf6, Tardbp, Ctbp2, Nab2, Pspc1, Smarcc1, Mxk, Cdca7l, Zfp280c, Phf17, Hnrpd1, Foxm1, 1110005A23Rik, Egr3, Zik1, Cdca7, Mcm3, Ruvbl2, Gmnn, Tipin, Etv5, Psp1, Hsp90aa1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Ets1, Sf1, Tmpo, Ssrp1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Fusip1, Pprc1, Hus1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Med13l, Zfp532, Trmt6, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khshr, Zfp184, Rnf12, Junb, Nsbp1, Zfp451, Ccna2, Sox4, Nr2f2, Klf5, Khdrbs1, Th1l, Zfp770, Elk3, Tcfe2a, Foxp1, Eif2s1, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Paip1, Suz12, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Pcn, Lcorl, Lif, Whsc2, Cdt1, Etv6, Tead2, Cdc5l, Mcm6, Ripk2, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Sox11, Hnrnpd, Snw1, Cbx2, Bcl2, Suv39h2, Sirt1, Rest, E2f8
GO:0006260: DNA replication	56(1215)	7,79E-42	Rbbp7, Kin, Ccne2, Mcm2, Lin9, Chaf1b, Gins4, Prim2, Pola1, Dscc1, Terf1, Msh6, Blm, Dbf4, Rrm1, Mcm4, Rpa2, Dtl, Mcm5, Top1, Clspn, Cdc45l, Rfc2, Brca1, Gins1, Orc1l, Pold3, Nasp, Rrm2, Lig1, Gins3, Rfc4, Pole2, Mcm3, Pold1, Gmnn, Tipin, Rbbp4, Ssrp1, Orc6l, Fen1, Gins2, Hus1, Mcm7, Rfc5, Prim1, Mcm10, Rfc3, Orc2l, Msh2, Pcn, Pola2, Cdt1, Mcm6, Tk1, Cdc6
GO:0045449: regulation of transcription	197(1215)	2,79E-40	Crebzf, Bcl10, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, Esf1, Asxl3, Myc, Elf2, Mcm2, Chaf1b, Zfp57, Pou2f1, Topors, Gli3, Gbbp1, Narg1, Litaf, Etv4, 2210018M11Rik, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Terf1, Taf5, Tbx3, Arid4b, Uhrf1, Dmap1, Elp2, Ecd, Zcchc11, 3930401K13Rik, Hat1, Vps36, Sfpq, Atrx, Bach1, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Trim27, Fhl2, Fosl1, Cand1, Tcf4, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Cdk2, Asf1a, Psrc1, Patz1, Aebp2, Atad2, Rbl1, Tgfb3, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Pogz, Hdac2, Trim28, Smarca5, Six4, Nono, Sap30, E2f7, Phf6, Tardbp, Ctbp2, Nab2, Pspc1, Smarcc1, Mxk, Cdca7l, Zfp280c, Phf17, Hnrpd1, Foxm1, 1110005A23Rik, Egr3, Zik1, Cdca7, Mcm3, Ruvbl2, Etv5, Psp1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Ets1, Sf1, Tmpo, Ssrp1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Fusip1, Pprc1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Med13l, Zfp532, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khshr, Zfp184, Rnf12, Junb, Nsbp1, Zfp451, Ccna2, Sox4, Nr2f2, Klf5, Khdrbs1, Th1l, Zfp770, Elk3, Tcfe2a, Foxp1, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Paip1, Suz12, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Lcorl, Lif, Whsc2, Etv6, Tead2, Cdc5l, Mcm6, Ripk2, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Sox11, Hnrnpd, Snw1, Cbx2, Suv39h2, Sirt1, Rest, E2f8

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0051252: regulation of RNA metabolic process	190(1215)	9,28E-39	Crebzf, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, Esf1, Asxl3, Myc, Elf2, Mcm2, Chaf1b, Zfp57, Pou2f1, Gli3, Gppb1, Narg1, Litaf, Etv4, 2210018M11Rik, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Taf5, Tbx3, Arid4b, Uhrf1, Dmap1, Elp2, Ecd, 3930401K13Rik, Hat1, Vps36, Sfpq, Atrx, Bach1, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Trim27, Fhl2, Fosl1, Cand1, Tcf4, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Asf1a, Psrc1, Aebp2, Atad2, Rbl1, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Hdac2, Trim28, Smarca5, Six4, Nono, Sap30, E2f7, Phf6, Tardbp, Ctbp2, Nab2, Pspc1, Smarcc1, Mxk, Cdca7l, Zfp280c, Phf17, Hnrpd1, Foxm1, 1110005A23Rik, Egr3, Zik1, Cdca7, Mcm3, Ruvbl2, Etv5, Psip1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Ets1, Sf1, Ssrp1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Fusp1, Pprc1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Med13l, Zfp532, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khgrp, Zfp184, Rnf12, Junb, Zfp36l2, Nsbp1, Zfp451, Sox4, Nr2f2, Klf5, Khdrbs1, Th1l, Zfp770, Elk3, Tcfe2a, Elavl1, Foxp1, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Suz12, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Lcorl, Lif, Whsc2, Etv6, Tead2, Cdc5l, Mcm6, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Sox11, Hnrpd, Snw1, Cbx2, Npm1, Suv39h2, Sirt1, Rest, E2f8
GO:0032774: RNA biosynthetic process	188(1215)	1,73E-37	Crebzf, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, Esf1, Asxl3, Myc, Elf2, Mcm2, Chaf1b, Zfp57, Pou2f1, Gli3, Gppb1, Narg1, Litaf, Etv4, 2210018M11Rik, Prim2, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Taf5, Tbx3, Arid4b, Uhrf1, Dmap1, Elp2, Ecd, 3930401K13Rik, Hat1, Vps36, Sfpq, Atrx, Bach1, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Trim27, Fhl2, Fosl1, Cand1, Tcf4, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Asf1a, Psrc1, Aebp2, Atad2, Rbl1, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Hdac2, Trim28, Smarca5, Six4, Nono, Sap30, E2f7, Phf6, Tardbp, Ctbp2, Nab2, Pspc1, Smarcc1, Mxk, Cdca7l, Zfp280c, Phf17, Hnrpd1, Foxm1, 1110005A23Rik, Egr3, Zik1, Cdca7, Mcm3, Ruvbl2, Etv5, Psip1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Ets1, Sf1, Ssrp1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Pprc1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Prim1, Med13l, Zfp532, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khgrp, Zfp184, Rnf12, Polr1e, Junb, Nsbp1, Zfp451, Sox4, Nr2f2, Klf5, Khdrbs1, Th1l, Zfp770, Elk3, Tcfe2a, Foxp1, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Suz12, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Lcorl, Lif, Whsc2, Etv6, Tead2, Cdc5l, Mcm6, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Sox11, Hnrpd, Snw1, Cbx2, Suv39h2, Sirt1, Rest, E2f8
GO:0006355: regulation of transcription, DNA-dependent	185(1215)	1,39E-36	Crebzf, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, Esf1, Asxl3, Myc, Elf2, Mcm2, Chaf1b, Zfp57, Pou2f1, Gli3, Gppb1, Narg1, Litaf, Etv4, 2210018M11Rik, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Taf5, Tbx3, Arid4b, Uhrf1, Dmap1, Elp2, Ecd, 3930401K13Rik, Hat1, Vps36, Sfpq, Atrx, Bach1, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Trim27, Fhl2, Fosl1, Cand1, Tcf4, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Asf1a, Psrc1, Aebp2, Atad2, Rbl1, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Hdac2, Trim28, Smarca5, Six4, Nono, Sap30, E2f7, Phf6, Tardbp, Ctbp2, Nab2, Pspc1, Smarcc1, Mxk, Cdca7l, Zfp280c, Phf17, Hnrpd1, Foxm1, 1110005A23Rik, Egr3, Zik1, Cdca7, Mcm3, Ruvbl2, Etv5, Psip1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Ets1, Sf1, Ssrp1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Pprc1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Med13l, Zfp532, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khgrp, Zfp184, Rnf12, Junb, Nsbp1, Zfp451, Sox4, Nr2f2, Klf5, Khdrbs1, Th1l, Zfp770, Elk3, Tcfe2a, Foxp1, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Suz12, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Lcorl, Lif, Whsc2, Etv6, Tead2, Cdc5l, Mcm6, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Sox11, Hnrpd, Snw1, Cbx2, Suv39h2, Sirt1, Rest, E2f8
GO:0006351: transcription, DNA-dependent	186(1215)	1,40E-36	Crebzf, Hmga2, Ell2, Rbbp7, Ruvbl1, Gli2, Tfdp1, Gtf2h2, Cbx3, Esf1, Asxl3, Myc, Elf2, Mcm2, Chaf1b, Zfp57, Pou2f1, Gli3, Gppb1, Narg1, Litaf, Etv4, 2210018M11Rik, Mycn, Ilf3, Runx1, Mlf1ip, Egr1, Taf5, Tbx3, Arid4b, Uhrf1, Dmap1, Elp2, Ecd, 3930401K13Rik, Hat1, Vps36, Sfpq, Atrx, Bach1, Baz1a, Rnf2, Satb2, Runx2, Ets2, Tcerg1, Bnc2, Mcm4, Trim27, Fhl2, Fosl1, Cand1, Tcf4, Sertad1, Asf1b, Taf5l, Actl6a, Tfam, Mcm5, Egr2, Top2a, Nfx1, Dnmt1, Ezh2, Cenpk, Asf1a, Psrc1, Aebp2, Atad2, Rbl1, Whsc1, Mbtps2, Trim24, Cnot6, Snapc3, Ebf2, Hdac2, Trim28, Smarca5, Six4, Nono, Sap30, E2f7, Phf6, Tardbp, Ctbp2, Nab2, Pspc1, Smarcc1, Mxk, Cdca7l, Zfp280c, Phf17, Hnrpd1, Foxm1, 1110005A23Rik, Egr3, Zik1, Cdca7, Mcm3, Ruvbl2, Etv5, Psip1, Rbbp4, Ifi205, Tgif1, Ilf2, Cebpz, Gmeb1, Eid1, Zfp422, Ddx20, 2410016O06Rik, Dlx1, Ets1, Sf1, Ssrp1, Sin3a, Rbm14, Med13, Timeless, 2700050L05Rik, Pprc1, Hltf, Hells, Med4, Suv39h1, Sltm, Brd8, Sub1, Med14, Mcm7, Med13l, Zfp532, Fus, Nrf1, Nfkbiz, Arhgap22, Ahctf1, Khgrp, Zfp184, Rnf12, Polr1e, Junb, Nsbp1, Zfp451, Sox4, Nr2f2, Klf5, Khdrbs1, Th1l, Zfp770, Elk3, Tcfe2a, Foxp1, Mybl2, Pnn, Tgif2, Ell, Bclaf1, Suz12, Casp8ap2, Rbpj, Ash2l, Mybbp1a, Lcorl, Lif, Whsc2, Etv6, Tead2, Cdc5l, Mcm6, Gata2, Ctcf, Hmga1, Fubp1, Prmt5, Sox11, Hnrpd, Snw1, Cbx2, Suv39h2, Sirt1, Rest, E2f8
GO:0045934: negative regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	48(1215)	5,23E-15	Rbbp7, Gli2, Zfp57, Pou2f1, Gli3, Egr1, Tbx3, Msh6, Dmap1, Blm, Hat1, Rnf2, Satb2, Trim27, Tcf4, Nfx1, Dnmt1, Clspn, Patz1, Rbl1, Trim28, Sap30, Ctbp2, Nab2, Gmnn, Tipin, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Fusp1, Hus1, Hells, Suv39h1, Nr2f2, Khdrbs1, Th1l, Foxp1, Msh2, Bclaf1, Suz12, Mybbp1a, Cdt1, Cbx2, Npm1, Sirt1, Rest
GO:0006310: DNA recombination	25(1215)	1,43E-14	Ruvbl1, Kin, Rad54l, Recql4, Msh6, Rad51ap1, Blm, Trip13, Psmc3ip, Exo1, Nono, Rad51, Lig1, Ruvbl2, Rad51c, Topbp1, Smc5, Hus1, Mnd1, Smc6, Foxp1, Msh2, Ung, Swap70, Eme1
GO:0010605: negative regulation of macromolecule metabolic process	53(1215)	5,73E-13	Rbbp7, Gli2, Myc, Zfp57, Pou2f1, Gli3, Egr1, Tbx3, Msh6, Dmap1, Blm, Hat1, Rnf2, Satb2, Trim27, Stmn1, Tcf4, Nfx1, Dnmt1, Clspn, Patz1, Rbl1, Trim28, Sap30, Ctbp2, Nab2, Gmnn, Tipin, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Fusp1, Hus1, Hells, Suv39h1, Nr2f2, Khdrbs1, Th1l, Foxp1, Msh2, Bclaf1, Skp2, Suz12, Rdx, Mybbp1a, Cdt1, Cbx2, Npm1, Sirt1, Thex1, Rest
GO:0006270: DNA replication initiation	10(1215)	1,41E-11	Ccne2, Mcm2, Mcm4, Mcm5, Clspn, Cdc45l, Mcm3, Mcm7, Cdt1, Mcm6

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0031324: negative regulation of cellular metabolic process	50(1215)	2,09E-11	Rbbp7, Gli2, Zfp57, Pou2f1, Gli3, Egr1, Tbx3, Msh6, Dmap1, Blm, Hat1, Rnf2, Satb2, Trim27, Stmn1, Tcf4, Nfx1, Dnmt1, Clspn, Patz1, Rbl1, Trim28, Sap30, Ctbp2, Nab2, Gmnn, Tipin, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Fusip1, Hus1, Hells, Suv39h1, Nr2f2, Khdrbs1, Th1l, Foxp1, Msh2, Bclaf1, Suz12, Rdx, Mybbp1a, Cdt1, Cbx2, Npm1, Sirt1, Rest
GO:0010558: negative regulation of macromolecule biosynthetic process	43(1215)	2,69E-11	Rbbp7, Gli2, Zfp57, Pou2f1, Gli3, Egr1, Tbx3, Dmap1, Hat1, Rnf2, Satb2, Trim27, Tcf4, Nfx1, Dnmt1, Clspn, Patz1, Rbl1, Trim28, Sap30, Ctbp2, Nab2, Gmnn, Tipin, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Hus1, Hells, Suv39h1, Nr2f2, Khdrbs1, Th1l, Foxp1, Bclaf1, Suz12, Mybbp1a, Cdt1, Cbx2, Sirt1, Rest
GO:0006364: rRNA processing	19(1215)	4,07E-11	Wdr3, Nola1, Fbl, Ebna1bp2, Utp6, Utp11l, Mphosph10, Nob1, Dis3, Exosc8, Utp15, Dimt1, Rcl1, Imp3, Ddx51, Exosc2, Dkc1, Eif4a3, Emg1
GO:0031327: negative regulation of cellular biosynthetic process	43(1215)	5,35E-11	Rbbp7, Gli2, Zfp57, Pou2f1, Gli3, Egr1, Tbx3, Dmap1, Hat1, Rnf2, Satb2, Trim27, Tcf4, Nfx1, Dnmt1, Clspn, Patz1, Rbl1, Trim28, Sap30, Ctbp2, Nab2, Gmnn, Tipin, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Hus1, Hells, Suv39h1, Nr2f2, Khdrbs1, Th1l, Foxp1, Bclaf1, Suz12, Mybbp1a, Cdt1, Cbx2, Sirt1, Rest
GO:0010629: negative regulation of gene expression	41(1215)	6,50E-11	Rbbp7, Gli2, Myc, Zfp57, Pou2f1, Gli3, Egr1, Tbx3, Dmap1, Hat1, Rnf2, Satb2, Trim27, Tcf4, Nfx1, Dnmt1, Patz1, Rbl1, Trim28, Sap30, Ctbp2, Nab2, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Hells, Suv39h1, Nr2f2, Khdrbs1, Th1l, Foxp1, Bclaf1, Skp2, Suz12, Mybbp1a, Cbx2, Sirt1, Thex1, Rest
GO:0009890: negative regulation of biosynthetic process	43(1215)	6,76E-11	Rbbp7, Gli2, Zfp57, Pou2f1, Gli3, Egr1, Tbx3, Dmap1, Hat1, Rnf2, Satb2, Trim27, Tcf4, Nfx1, Dnmt1, Clspn, Patz1, Rbl1, Trim28, Sap30, Ctbp2, Nab2, Gmnn, Tipin, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Hus1, Hells, Suv39h1, Nr2f2, Khdrbs1, Th1l, Foxp1, Bclaf1, Suz12, Mybbp1a, Cdt1, Cbx2, Sirt1, Rest
GO:0034470: ncRNA processing	24(1215)	3,70E-10	Wdr3, Nola1, Fbl, Ebna1bp2, Utp6, Utp11l, Tyw3, Mphosph10, Nob1, Trit1, Dis3, Exosc8, Utp15, Dimt1, Rcl1, Trub1, Imp3, Ddx51, Exosc2, Dkc1, Nsun2, Eif4a3, Trmt6, Emg1
GO:0016481: negative regulation of transcription	38(1215)	7,67E-10	Rbbp7, Gli2, Zfp57, Pou2f1, Gli3, Egr1, Tbx3, Dmap1, Hat1, Rnf2, Satb2, Trim27, Tcf4, Nfx1, Dnmt1, Patz1, Rbl1, Trim28, Sap30, Ctbp2, Nab2, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Hells, Suv39h1, Nr2f2, Khdrbs1, Th1l, Foxp1, Bclaf1, Suz12, Mybbp1a, Cbx2, Sirt1, Rest
GO:0034660: ncRNA metabolic process	26(1215)	7,02E-09	Wdr3, Nola1, Fbl, Ebna1bp2, Utp6, Utp11l, Tyw3, Mphosph10, Nob1, Trit1, Dis3, Exosc8, Utp15, Dimt1, Rcl1, Trub1, Kars, Imp3, Ddx51, Exosc2, Dkc1, Nsun2, Eif4a3, Trmt6, Khgrp, Emg1
GO:0051253: negative regulation of RNA metabolic process	32(1215)	1,99E-08	Rbbp7, Gli2, Zfp57, Egr1, Tbx3, Dmap1, Hat1, Rnf2, Satb2, Trim27, Tcf4, Nfx1, Dnmt1, Rbl1, Trim28, Sap30, Ctbp2, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Fusip1, Hells, Suv39h1, Nr2f2, Foxp1, Suz12, Cbx2, Npm1, Sirt1, Rest
GO:0045892: negative regulation of transcription, DNA-dependent	30(1215)	2,36E-07	Rbbp7, Gli2, Zfp57, Egr1, Tbx3, Dmap1, Hat1, Rnf2, Satb2, Trim27, Tcf4, Nfx1, Dnmt1, Rbl1, Trim28, Sap30, Ctbp2, Tgif1, Eid1, Ddx20, Dlx1, Sin3a, Hells, Suv39h1, Nr2f2, Foxp1, Suz12, Cbx2, Sirt1, Rest
GO:0040029: regulation of gene expression, epigenetic	11(1215)	6,38E-07	H2afy, Hat1, H2afy2, Trim27, Dnmt1, Brca1, Mbd4, Hells, Suv39h1, Ctcf, Sirt1
GO:0000245: spliceosome assembly	7(1215)	6,85E-07	Sip1, Smndc1, Gemin6, Ptbp2, Fusip1, Cugbp1, Brunol4
GO:0051053: negative regulation of DNA metabolic process	8(1215)	1,58E-06	Msh6, Blm, Clspn, Gmnn, Tipin, Hus1, Msh2, Cdt1
GO:0006275: regulation of DNA replication	6(1215)	4,04E-05	Clspn, Gmnn, Tipin, Hus1, Pcna, Cdt1
GO:0051052: regulation of DNA metabolic process	9(1215)	0,000100778	Msh6, Blm, Clspn, Gmnn, Tipin, Hus1, Msh2, Pcna, Cdt1
GO:0045941: positive regulation of transcription	33(1215)	0,00013076	Gli2, Tfdp1, Myc, Pou2f1, Topors, Gbbp1, Etv4, Tbx3, Satb2, Runx2, Sertad1, Egr2, Top2a, Cenpk, Cdk2, Psrc1, Ebf2, Trim28, Six4, Foxm1, Etv5, Ets1, Med13, Med14, Fus, Ccna2, Sox4, Klf5, Lif, Tead2, Gata2, Sox11, Snw1
GO:0008156: negative regulation of DNA replication	5(1215)	0,000137054	Clspn, Gmnn, Tipin, Hus1, Cdt1
GO:0043414: biopolymer methylation	10(1215)	0,000137702	Ilf3, Dnmt1, Ezh2, Mbd4, Hells, Suv39h1, Suz12, Ctcf, Prmt5, Suv39h2
GO:0010628: positive regulation of gene expression	33(1215)	0,000156879	Gli2, Tfdp1, Myc, Pou2f1, Topors, Gbbp1, Etv4, Tbx3, Satb2, Runx2, Sertad1, Egr2, Top2a, Cenpk, Cdk2, Psrc1, Ebf2, Trim28, Six4, Foxm1, Etv5, Ets1, Med13, Med14, Fus, Ccna2, Sox4, Klf5, Lif, Tead2, Gata2, Sox11, Snw1
GO:0045935: positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process	33(1215)	0,00029428	Gli2, Tfdp1, Myc, Pou2f1, Topors, Gbbp1, Etv4, Tbx3, Satb2, Runx2, Sertad1, Egr2, Top2a, Cenpk, Cdk2, Psrc1, Ebf2, Trim28, Six4, Foxm1, Etv5, Ets1, Med13, Med14, Fus, Ccna2, Sox4, Klf5, Lif, Tead2, Gata2, Sox11, Snw1
GO:0006376: mRNA splice site selection	4(1215)	0,000405426	Ptbp2, Fusip1, Cugbp1, Brunol4

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0006753: nucleoside phosphate metabolic process	22(1215)	0,000476357	Impdh2, Prps1, 3930401K13Rik, Rrm1, Dctd, Dhfr, Dtymk, Gart, Adsl, Nme4, Rrm2, Nampt, Nme1, Tyms, Mthfd1, Dhodh, Umps, Msh2, Nudt1, Nt5c3l, Adss, Gmps
GO:0031328: positive regulation of cellular biosynthetic process	34(1215)	0,000637651	Gli2, Tfdp1, Myc, Pou2f1, Topors, Gbbp1, Etv4, Tbx3, Satb2, Runx2, Sertad1, Egr2, Top2a, Cenpk, Cdk2, Psrc1, Ebf2, Trim28, Six4, Foxm1, Etv5, Hsp90aa1, Ets1, Med13, Med14, Fus, Ccna2, Sox4, Klf5, Lif, Tead2, Gata2, Sox11, Snw1
GO:0009891: positive regulation of biosynthetic process	34(1215)	0,000670178	Gli2, Tfdp1, Myc, Pou2f1, Topors, Gbbp1, Etv4, Tbx3, Satb2, Runx2, Sertad1, Egr2, Top2a, Cenpk, Cdk2, Psrc1, Ebf2, Trim28, Six4, Foxm1, Etv5, Hsp90aa1, Ets1, Med13, Med14, Fus, Ccna2, Sox4, Klf5, Lif, Tead2, Gata2, Sox11, Snw1
GO:0010557: positive regulation of macromolecule biosynthetic process	33(1215)	0,000679675	Gli2, Tfdp1, Myc, Pou2f1, Topors, Gbbp1, Etv4, Tbx3, Satb2, Runx2, Sertad1, Egr2, Top2a, Cenpk, Cdk2, Psrc1, Ebf2, Trim28, Six4, Foxm1, Etv5, Ets1, Med13, Med14, Fus, Ccna2, Sox4, Klf5, Lif, Tead2, Gata2, Sox11, Snw1
GO:0032392: DNA geometric change	4(1215)	0,000831256	Mcm2, Mcm4, Mcm7, Mcm6
GO:0031325: positive regulation of cellular metabolic process	37(1215)	0,00092186	Gli2, Tfdp1, Myc, Pou2f1, Topors, Gbbp1, Etv4, Tbx3, Cd24a, Ghr, Satb2, Runx2, Sertad1, Egr2, Top2a, Cenpk, Cdk2, Psrc1, Ebf2, Trim28, Six4, Foxm1, Etv5, Hsp90aa1, Ets1, Med13, Med14, Fus, Ccna2, Sox4, Klf5, Lif, Tead2, Gata2, Sox11, Snw1, Bcl2
GO:0010604: positive regulation of macromolecule metabolic process	36(1215)	0,00117545	Gli2, Tfdp1, Myc, Pou2f1, Topors, Gbbp1, Etv4, Tbx3, Cd24a, Ghr, Satb2, Runx2, Sertad1, Egr2, Top2a, Cenpk, Cdk2, Psrc1, Ebf2, Trim28, Six4, Foxm1, Etv5, Ets1, Med13, Med14, Fus, Ccna2, Sox4, Klf5, Lif, Tead2, Gata2, Sox11, Snw1, Bcl2
GO:0050684: regulation of mRNA processing	3(1215)	0,00225694	Srpk1, Fusip1, Npm1
GO:0045814: negative regulation of gene expression, epigenetic	5(1215)	0,00427099	Hat1, Trim27, Hells, Suv39h1, Sirt1
GO:0046112: nucleobase biosynthetic process	3(1215)	0,00472822	Gart, Dhodh, Umps
GO:0006206: pyrimidine base metabolic process	3(1215)	0,00472822	Mapk1, Dhodh, Umps
GO:0006304: DNA modification	4(1215)	0,00500234	Dnmt1, Mbd4, Hells, Ctf
GO:0009112: nucleobase metabolic process	4(1215)	0,00711648	Gart, Mapk1, Dhodh, Umps
GO:0016458: gene silencing	6(1215)	0,00826841	Hat1, Dnmt1, Hells, Suv39h1, Sirt1, Thex1
GO:0045893: positive regulation of transcription, DNA-dependent	25(1215)	0,0090893	Gli2, Tfdp1, Myc, Pou2f1, Gbbp1, Tbx3, Satb2, Runx2, Egr2, Top2a, Cenpk, Psrc1, Trim28, Six4, Foxm1, Ets1, Med13, Med14, Fus, Sox4, Lif, Tead2, Gata2, Sox11, Snw1
GO:0051254: positive regulation of RNA metabolic process	25(1215)	0,0093486	Gli2, Tfdp1, Myc, Pou2f1, Gbbp1, Tbx3, Satb2, Runx2, Egr2, Top2a, Cenpk, Psrc1, Trim28, Six4, Foxm1, Ets1, Med13, Med14, Fus, Sox4, Lif, Tead2, Gata2, Sox11, Snw1
GO:0050686: negative regulation of mRNA processing	2(1215)	0,010557	Fusip1, Npm1
GO:0033119: negative regulation of RNA splicing	2(1215)	0,010557	Fusip1, Npm1
GO:0010216: maintenance of DNA methylation	2(1215)	0,010557	Hells, Ctf
GO:0044030: regulation of DNA methylation	2(1215)	0,010557	Hells, Ctf
GO:0000244: assembly of spliceosomal tri-snRNP	2(1215)	0,010557	Lsm2, Prpf31
GO:0034404: nucleobase, nucleoside and nucleotide biosynthetic process	3(1215)	0,0123272	Gart, Dhodh, Umps
GO:0045910: negative regulation of DNA recombination	3(1215)	0,0172894	Msh6, Blm, Msh2
GO:0006308: DNA catabolic process	4(1215)	0,0173992	Myc, Casp3, Aifm1, Dffb

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0043484: regulation of RNA splicing	2(1215)	0,0256688	Fusip1, Npm1
GO:0006808: regulation of nitrogen utilization	2(1215)	0,0256688	Nmral1, Bcl2
GO:0006287: base-excision repair, gap-filling	2(1215)	0,0256688	Pold1, Pcna
GO:0009108: coenzyme biosynthetic process	7(1215)	0,0332636	Pdss1, Gphn, Pank1, Nampt, Mthfd1, Acly, Pank4
GO:0006269: DNA replication, synthesis of RNA primer	2(1215)	0,0437819	Prim2, Prim1
GO:0045005: maintenance of fidelity during DNA-dependent DNA replication	3(1215)	0,0482499	Msh6, Pold1, Msh2
<u>METABOLITE PROCESSING (PROTEIN, CARBOHYDRATE AND LIPID PROCESSING)</u>			
GO:0044267: cellular protein metabolic process	186(1215)	4,24E-18	Bcl10, Csnk1g3, Map4k5, Mcpt8, Wsb1, Igf2bp1, Ubqln2, Herc5, Ctsw, Myc, Etf1, Rps9, Uba2, Pum2, Ppif, Topors, Dnaja2, Hbs1, Srpk1, Cct8, Prpf19, Prpf4b, Ilf3, Bub1b, Metap2, Cdc25c, Abl2, Casp3, BC057552, Pak1, Ttk, Metap1, Vrk3, Nek2, Rlok2, Uhrf1, Cd24a, Dusp4, Ppwwd1, Melk, Fbxo32, Fbxo5, Hat1, Mrpl19, Ghr, Sbk1, Rnf2, Adams7, Abi1, Ppil1, Ttl4, Stmn1, Dtl, Pkmyt1, Cand1, Rpl41, Pigf, Mrpl1, Sumo2, Cdc25a, Cdc2a, Ube2t, Nfx1, Prkd1, Ezh2, Cdk2, Dusp6, Ccnb1, Socs5, Psrc1, Stt3b, Arpc5, Prkar2b, Rps13, Ptpre, Pdk3, Pthr2, Socs3, Brcc3, B3galnt1, Mbtps2, Tpp2, Cct3, Hdac2, Cdc7, Prkg2, Hspa8, Lrrk1, Eif4h, Usp37, Ctsh, Esp1, Actr3, Dnaja1, Rpl3, Parp1, Plk4, Casp2, Nat13, Mapk8, Kars, 1110005A23Rik, Rad18, Pctk2, Ptk7, Eif5, Mapk1, Nek6, Asph, Hsp90aa1, Pkn3, Ptpn2, Gsg2, Uchl5, Mrps6, Vrk1, Rpl7l1, Fkbp5, Ptpn12, Socs6, Cit, Sf3a1, Plk1, Bub1, Denr, Vbp1, Aurka, Ube2c, Cacybp, Cdca3, Ube2e3, Erap1, Eef1g, Hus1, Cct7, Csnk1a1, Cct2, Ppp1cc, Pdgfb, Suv39h1, Hspe1, Chek1, Stk17b, Trmt6, Pim3, Usp34, Usp14, Pbk, Khsrp, Rnf12, Egfr, Sox4, Nedd4l, B230120H23Rik, Hspd1, 6030408C04Rik, Ppid, Wee1, Eif2s1, Cct5, Trib1, Usp1, Skp2, Paip1, Suz12, Tll1, Sgk1, Mast4, Chuk, Rdx, Gspt1, Usp3, Yme11, Casp6, Lif, Socs4, Ppih, Casp8, Ripk2, Aurkb, Cdc20, Prmt5, Bcl2, Suv39h2, Mastl, Sirt1
GO:0006464: protein modification process	99(1215)	6,05E-11	Bcl10, Csnk1g3, Map4k5, Ubqln2, Herc5, Myc, Uba2, Srpk1, Prpf19, Prpf4b, Ilf3, Bub1b, Cdc25c, Abl2, Pak1, Ttk, Vrk3, Nek2, Rlok2, Uhrf1, Cd24a, Dusp4, Melk, Hat1, Ghr, Sbk1, Rnf2, Abi1, Ttl4, Pkmyt1, Pigf, Sumo2, Cdc25a, Cdc2a, Ube2t, Prkd1, Ezh2, Cdk2, Dusp6, Ccnb1, Stt3b, Prkar2b, Ptpre, Pdk3, Socs3, B3galnt1, Hdac2, Cdc7, Prkg2, Lrrk1, Parp1, Plk4, Nat13, Mapk8, Pctk2, Ptk7, Mapk1, Nek6, Asph, Pkn3, Ptpn2, Gsg2, Vrk1, Ptpn12, Cit, Sf3a1, Plk1, Bub1, Aurka, Ube2c, Ube2e3, Hus1, Csnk1a1, Ppp1cc, Pdgfb, Suv39h1, Chek1, Stk17b, Pim3, Usp14, Pbk, Egfr, Nedd4l, B230120H23Rik, 6030408C04Rik, Wee1, Trib1, Suz12, Sgk1, Mast4, Chuk, Lif, Ripk2, Aurkb, Prmt5, Bcl2, Suv39h2, Mastl, Sirt1
GO:0016310: phosphorylation	65(1215)	8,04E-09	Bcl10, Csnk1g3, Map4k5, Srpk1, Prpf4b, Bub1b, Abl2, Pak1, Ttk, Vrk3, Nek2, Rlok2, Cd24a, Melk, Ghr, Sbk1, Abi1, Pkmyt1, Ipmk, Cdc2a, Pk3c2a, Prkd1, Cdk2, Ccnb1, Prkar2b, Ptpre, Pdk3, Socs3, Cdc7, Prkg2, Lrrk1, Plk4, Mapk8, Pctk2, Ptk7, Mapk1, Nek6, Pkn3, Gsg2, Vrk1, Cit, Plk1, Bub1, Aurka, Hus1, Csnk1a1, Pdgfb, Chek1, Stk17b, Pim3, Pbk, Egfr, B230120H23Rik, Wee1, Msh2, Trib1, Sgk1, Fxn, Mast4, Chuk, Lif, Ripk2, Aurkb, Bcl2, Mastl
GO:0006457: protein folding	17(1215)	2,58E-05	Ppif, Dnaja2, Cct8, Ppwwd1, Ppil1, Cct3, Hspa8, Dnaja1, Hsp90aa1, Fkbp5, Vbp1, Cct7, Cct2, Hspe1, Ppid, Cct5, Ppih
GO:0043632: modification-dependent macromolecule catabolic process	34(1215)	0,00212399	Wsb1, Herc5, Uba2, Topors, BC057552, Uhrf1, Fbxo32, Fbxo5, Rnf2, Dtl, Cand1, Sumo2, Ube2t, Nfx1, Socs5, Socs3, Brcc3, Usp37, Rad18, Uchl5, Socs6, Ube2c, Cacybp, Cdca3, Ube2e3, Usp34, Usp14, Rnf12, Nedd4l, Usp1, Skp2, Usp3, Socs4, Cdc20
GO:0030163: protein catabolic process	36(1215)	0,00223634	Wsb1, Herc5, Uba2, Topors, BC057552, Uhrf1, Fbxo32, Fbxo5, Rnf2, Xpo1, Dtl, Cand1, Sumo2, Ube2t, Nfx1, Socs5, Socs3, Brcc3, Usp37, Rad18, Uchl5, Socs6, Ube2c, Cacybp, Cdca3, Ube2e3, Usp34, Usp14, Rnf12, Nedd4l, Usp1, Skp2, Usp3, Yme11, Socs4, Cdc20
GO:0034962: cellular biopolymer catabolic process	34(1215)	0,00283434	Wsb1, Herc5, Uba2, Topors, BC057552, Uhrf1, Fbxo32, Fbxo5, Rnf2, Dtl, Cand1, Sumo2, Ube2t, Nfx1, Socs5, Socs3, Brcc3, Usp37, Rad18, Uchl5, Socs6, Ube2c, Cacybp, Cdca3, Ube2e3, Usp34, Usp14, Rnf12, Nedd4l, Usp1, Skp2, Usp3, Socs4, Cdc20
GO:0044257: cellular protein catabolic process	34(1215)	0,00283434	Wsb1, Herc5, Uba2, Topors, BC057552, Uhrf1, Fbxo32, Fbxo5, Rnf2, Dtl, Cand1, Sumo2, Ube2t, Nfx1, Socs5, Socs3, Brcc3, Usp37, Rad18, Uchl5, Socs6, Ube2c, Cacybp, Cdca3, Ube2e3, Usp34, Usp14, Rnf12, Nedd4l, Usp1, Skp2, Usp3, Socs4, Cdc20
GO:0051246: regulation of protein metabolic process	24(1215)	0,00492162	Igf2bp1, Pum2, Cd24a, Ghr, Xpo1, Stmn1, Ube2t, Psrc1, Arpc5, Prkar2b, Socs3, Prkg2, Actr3, 1110005A23Rik, Ube2c, Ube2e3, Pdgfb, Trmt6, Egfr, Eif2s1, Paip1, Rdx, Lif, Bcl2
GO:0032268: regulation of cellular protein metabolic process	20(1215)	0,00942216	Igf2bp1, Pum2, Cd24a, Ghr, Stmn1, Psrc1, Arpc5, Prkar2b, Socs3, Prkg2, Actr3, 1110005A23Rik, Pdgfb, Trmt6, Egfr, Eif2s1, Paip1, Rdx, Lif, Bcl2
GO:0006412: translation	24(1215)	0,00946441	Igf2bp1, Etf1, Rps9, Pum2, Hbs1, Mrpl19, Rpl41, Mrpl1, Rps13, Pthr2, Eif4h, Rpl3, Kars, 1110005A23Rik, Eif5, Mrps6, Rpl7l1, Denr, Eef1g, Trmt6, Khsrp, Eif2s1, Paip1, Gspt1

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0010608: posttranscriptional regulation of gene expression	11(1215)	0,0126468	Igf2bp1, Pum2, 1110005A23Rik, Trmt6, Zfp36l2, Sox4, Elavl1, Eif2s1, Paip1, Hnrnpd, Bcl2
GO:0016311: dephosphorylation	12(1215)	0,0137697	Synj2, Cdc25c, Dusp4, Cdc25a, Dusp6, Ptpre, Ptpn2, Mtmr4, Ptpn12, Ppp1cc, Mtm1, Bcl2
GO:0006020: inositol metabolic process	4(1215)	0,0139146	Ipmk, Slc5a3, Impa1, Impa2
GO:0006508: proteolysis	50(1215)	0,0265613	Mcpt8, Wsb1, Herc5, Ctsw, Uba2, Topors, Metap2, Casp3, BC057552, Metap1, Uhrf1, Fbxo32, Fbxo5, Rnf2, Adamts7, Dtl, Cand1, Sumo2, Ube2t, Nfx1, Socs5, Socs3, Brcc3, Mbtps2, Tpp2, Usp37, Ctsh, Etpl1, Casp2, Rad18, Uchl5, Socs6, Ube2c, Cacybp, Cdca3, Ube2e3, Erap1, Usp34, Usp14, Rnf12, Nedd4l, Usp1, Skp2, Tll1, Usp3, Yme11, Casp6, Socs4, Casp8, Cdc20
CELL CYCLE (MITOTIC AND MEIOTIC DIVISION)			
GO:0000279: M phase	98(1215)	2,52E-68	Hmga2, Mki67, Ruvbl1, Kif11, Cdc27, Bub3, Ncapg2, Smc3, Cep55, Bub1b, Tubb5, Cdc25c, Pcnt, Terf1, Fanca, Nek2, Rcc1, Pttg1, 6720463M24Rik, Fbxo5, Nusap1, Fancd2, Ndc80, 1110001A07Rik, Cdca2, Trip13, Stmn1, Cdca5, Smc2, Cdc25a, Spag5, Ncaph2, Cdc2a, Sgol1, Ccnb2, Cdk2, Ccnb1, Psmc3ip, Cd2ap, Ncapd3, Rad21, Exo1, Rad51, Akap8, Smc4, Nde1, Kif20b, Spc24, Etpl1, Ranbp1, 2810433K01Rik, Spc25, Aspm, Tpx2, Zwlch, Tipin, Nek6, Rad51c, Dsn1, Nsl1, Ccnf, Topbp1, Cit, Plk1, Bub1, Ncaph, Ube2c, Mre11a, Cdca3, Timeless, Anln, Hells, Cenpj, Nuf2, Mad21l, Sgol2, Incenp, Mnd1, Cenph, Ccna2, Wee1, Rcc2, Tacc3, Zwl10, Nudc, Lif, Kntc1, Stag1, Cdca8, Cks2, Cdc6, Aurkb, Birc5, Ncapd2, Cdc20, Ercc6l, Ccng2, Suv39h2
GO:0007067: mitosis	75(1215)	1,49E-57	Hmga2, Ruvbl1, Kif11, Cdc27, Bub3, Ncapg2, Smc3, Cep55, Bub1b, Cdc25c, Terf1, Nek2, Rcc1, Pttg1, 6720463M24Rik, Fbxo5, Nusap1, Ndc80, 1110001A07Rik, Cdca2, Cdca5, Smc2, Cdc25a, Spag5, Ncaph2, Cdc2a, Sgol1, Ccnb2, Cdk2, Ccnb1, Cd2ap, Ncapd3, Rad21, Akap8, Smc4, Nde1, Kif20b, Spc24, 2810433K01Rik, Spc25, Aspm, Zwlch, Tipin, Nek6, Dsn1, Nsl1, Ccnf, Cit, Plk1, Bub1, Ncaph, Ube2c, Cdca3, Timeless, Anln, Hells, Nuf2, Mad21l, Incenp, Cenph, Ccna2, Wee1, Rcc2, Zwl10, Nudc, Kntc1, Stag1, Cdca8, Cdc6, Aurkb, Birc5, Ncapd2, Cdc20, Ercc6l, Ccng2
GO:0000087: M phase of mitotic cell cycle	75(1215)	2,18E-57	Hmga2, Ruvbl1, Kif11, Cdc27, Bub3, Ncapg2, Smc3, Cep55, Bub1b, Cdc25c, Terf1, Nek2, Rcc1, Pttg1, 6720463M24Rik, Fbxo5, Nusap1, Ndc80, 1110001A07Rik, Cdca2, Cdca5, Smc2, Cdc25a, Spag5, Ncaph2, Cdc2a, Sgol1, Ccnb2, Cdk2, Ccnb1, Cd2ap, Ncapd3, Rad21, Akap8, Smc4, Nde1, Kif20b, Spc24, 2810433K01Rik, Spc25, Aspm, Zwlch, Tipin, Nek6, Dsn1, Nsl1, Ccnf, Cit, Plk1, Bub1, Ncaph, Ube2c, Cdca3, Timeless, Anln, Hells, Nuf2, Mad21l, Incenp, Cenph, Ccna2, Wee1, Rcc2, Zwl10, Nudc, Kntc1, Stag1, Cdca8, Cdc6, Aurkb, Birc5, Ncapd2, Cdc20, Ercc6l, Ccng2
GO:0000819: sister chromatid segregation	13(1215)	7,10E-15	Bub3, Ncapg2, Nek2, Nusap1, Smc2, Ncaph2, Ncapd3, Akap8, Smc4, Cit, Ncaph, Mad21l, Ncapd2
GO:0000070: mitotic sister chromatid segregation	13(1215)	7,10E-15	Bub3, Ncapg2, Nek2, Nusap1, Smc2, Ncaph2, Ncapd3, Akap8, Smc4, Cit, Ncaph, Mad21l, Ncapd2
GO:0007126: meiosis	21(1215)	2,09E-10	Mki67, Smc3, Fanca, Nek2, Pttg1, Fbxo5, Fancd2, Trip13, Sgol1, Psmc3ip, Exo1, Rad51, Etpl1, Rad51c, Topbp1, Mre11a, Sgol2, Mnd1, Lif, Cks2, Suv39h2
GO:0051327: M phase of meiotic cell cycle	21(1215)	2,09E-10	Mki67, Smc3, Fanca, Nek2, Pttg1, Fbxo5, Fancd2, Trip13, Sgol1, Psmc3ip, Exo1, Rad51, Etpl1, Rad51c, Topbp1, Mre11a, Sgol2, Mnd1, Lif, Cks2, Suv39h2
GO:0007076: mitotic chromosome condensation	9(1215)	8,57E-10	Ncapg2, Nusap1, Smc2, Ncaph2, Ncapd3, Akap8, Smc4, Ncaph, Ncapd2
GO:0007051: spindle organization	9(1215)	3,37E-08	Tubb5, Pcnt, Fbxo5, Stmn1, Etpl1, Ranbp1, Tpx2, Cenpj, Tacc3
GO:0010564: regulation of cell cycle process	10(1215)	2,68E-05	Recql4, Fbxo5, Nusap1, Dbf4, Xpo1, Ranbp1, Mad21l, Lif, Cdt1, Npm1
GO:0007127: meiosis I	9(1215)	2,84E-05	Pttg1, Fbxo5, Fancd2, Trip13, Rad51, Etpl1, Rad51c, Topbp1, Cks2
GO:0045132: meiotic chromosome segregation	5(1215)	0,00024626	Pttg1, Sgol1, Etpl1, Rad51c, Sgol2
GO:0051298: centrosome duplication	4(1215)	0,000405426	Xpo1, Brca1, Nde1, Npm1
GO:0000075: cell cycle checkpoint	7(1215)	0,000830364	Cdc2a, Clspn, Hus1, Chek1, Mad21l, Msh2, Cdt1
GO:0031570: DNA integrity checkpoint	6(1215)	0,000903471	Cdc2a, Clspn, Hus1, Chek1, Msh2, Cdt1
GO:0007131: reciprocal meiotic recombination	4(1215)	0,00143294	Trip13, Rad51, Rad51c, Topbp1

<i>Functional category</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
GO:0046605: regulation of centrosome cycle	3(1215)	0,00225694	Xpo1, Ranbp1, Npm1
GO:0007091: mitotic metaphase/anaphase transition	4(1215)	0,00357849	Cdc27, Bub1b, Cit, Mad211
GO:0045786: negative regulation of cell cycle	11(1215)	0,00437747	Bcl10, Lin9, Bub1b, Casp3, Cdc73, Rbl1, Brca1, Gmnn, Mad211, Ctcf, Bcl2
GO:0051325: interphase	7(1215)	0,00708704	Tfdp1, Dbf4, Rbbp8, Chek1, Skp2, Cdt1, Bcl2
GO:0051329: interphase of mitotic cell cycle	7(1215)	0,00708704	Tfdp1, Dbf4, Rbbp8, Chek1, Skp2, Cdt1, Bcl2
GO:0051225: spindle assembly	3(1215)	0,00841623	Tubb5, Fbxo5, Tpx2
GO:0007346: regulation of mitotic cell cycle	8(1215)	0,00897067	Fbxo5, Nusap1, Dbf4, Cdc2a, Hus1, Mad211, Cdt1, Bcl2
GO:0007100: mitotic centrosome separation	2(1215)	0,010557	Kif11, Ranbp1
GO:0051299: centrosome separation	2(1215)	0,010557	Kif11, Ranbp1
GO:0007062: sister chromatid cohesion	3(1215)	0,0123272	Recq14, Rad51c, Sgol2
GO:0051320: S phase	3(1215)	0,0172894	Tfdp1, Dbf4, Cdt1
GO:0000084: S phase of mitotic cell cycle	3(1215)	0,0172894	Tfdp1, Dbf4, Cdt1
GO:0010824: regulation of centrosome duplication	2(1215)	0,0256688	Xpo1, Npm1
GO:0045143: homologous chromosome segregation	2(1215)	0,0256688	Pttg1, Esp1
GO:0007140: male meiosis	4(1215)	0,0263621	Fanca, Trip13, Rad51c, Suv39h2
GO:0030953: spindle astral microtubule organization	2(1215)	0,0437819	Cenpj, Tacc3
GO:0000089: mitotic metaphase	2(1215)	0,0437819	Fbxo5, Ndc80
<u>DNA DAMAGE RESPONSE</u>			
GO:0006281: DNA repair	55(1215)	6,54E-31	Neil3, Apex1, Gtf2h2, Kin, Chaf1b, Rad54l, Smc3, 2210018M11Rik, Prpf19, Hmgn1, Fanca, Msh6, Rad51ap1, Pttg1, Uhrf1, Blm, Sfpq, Atrx, Fancd2, Trip13, Fancm, Asf1a, Clspn, Brca1, Rad21, Exo1, Nono, Rad51, Parp1, Lig1, Rad18, Pold1, Ruvbl2, Topbp1, Smc5, Mbd4, Fancb, Ssrp1, Mre11a, Fen1, Hus1, Gen1, Chek1, Apex2, Fanc, Smc6, Setx, Msh2, Ung, Nudt1, Trpc2, Usp1, Pcna, Eme1, Esco2
GO:0009411: response to UV	7(1215)	0,00100671	Casp3, Hmgn1, Msh6, Mapk8, Hus1, Msh2, Bcl2
<u>CYTOSKELETON-REGULATED PROCESSES</u>			
GO:0006325: establishment or maintenance of chromatin architecture	50(1215)	1,94E-19	Rbbp7, Ruvbl1, Cbx3, H2afy, Mcm2, 2210018M11Rik, Chd1, Hmgn1, Arid4b, Dmap1, Hat1, H2afy2, Baz1a, Rnf2, Satb2, Cbx1, Cbx5, Asf1b, Set, Actl6a, Setdb2, Ezh2, Hist1h2ae, Nap111, Asf1a, H2afz, Aebp2, Rbl1, Whsc1, Smarce1, Hdac2, Smarca5, H2afv, Cenpa, Nasp, Smarcc1, Nap114, Ruvbl2, Rbbp4, Gsg2, 2410016006Rik, Hlhf, Hells, Suv39h1, Brd8, Suz12, Prmt5, Cbx2, Suv39h2, Sirt1
GO:0034622: cellular macromolecular complex assembly	41(1215)	6,43E-13	H2afy, Lsm2, Mcm2, Tnp1, Tubb5, Pak1, Sip1, Fbxo5, H2afy2, Xpo1, Smndc1, Tuba1c, Stmn1, Asf1b, Set, Tfam, Hist1h2ae, Gemin6, Nap111, Asf1a, Psrc1, H2afz, Arpc5, Xpo7, Ptbp2, H2afv, Cenpa, Actr3, Nap114, Ipo7, Eif5, Denr, Fusip1, Hells, Tube1, Cugbp1, Prpf31, Trmt6, Eif2s1, Kpn1, Brunol4
GO:0030261: chromosome condensation	10(1215)	1,60E-10	Ncapg2, Nusap1, Smc2, Ncaph2, Top2a, Ncapd3, Akap8, Smc4, Ncaph, Ncapd2
GO:0000226: microtubule cytoskeleton organization	19(1215)	3,84E-09	Kif11, Tubb5, Pcna, Fbxo5, Nusap1, Xpo1, Stmn1, Psrc1, Brca1, Cenpe, Nde1, Esp1, Ranbp1, Tpx2, Cenpj, Nuf2, Tacc3, Birc5, Npm1
GO:0006461: protein complex assembly	21(1215)	5,55E-06	Bcl10, Tnp1, Tubb5, Pak1, Ctnna1, Fbxo5, Pdss1, Rrm1, Xpo1, Tuba1c, Stmn1, Tfam, Psrc1, Arpc5, Xpo7, Actr3, Rrm2, Ipo7, 2410015N17Rik, Tube1, Kpn1

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0051297: centrosome organization	6(1215)	1,06E-05	Kif11, Xpo1, Brca1, Nde1, Ranbp1, Npm1
GO:0006334: nucleosome assembly	12(1215)	0,00105232	H2afy, Mcm2, H2afy2, Asf1b, Set, Hist1h2ae, Nap111, Asf1a, H2afz, H2afv, Cenpa, Nap114
GO:0046785: microtubule polymerization	3(1215)	0,00472822	Fbxo5, Stmn1, Psrc1
GO:0032200: telomere organization	5(1215)	0,00524048	Terf1, Blm, Parp1, Tinf2, Tnks2
GO:0000723: telomere maintenance	5(1215)	0,00524048	Terf1, Blm, Parp1, Tinf2, Tnks2
GO:0033043: regulation of organelle organization	10(1215)	0,0165829	Recq14, Xpo1, Stmn1, Psrc1, Arpc5, Actr3, Ranbp1, Tacc3, Rdx, Npm1
GO:0051493: regulation of cytoskeleton organization	9(1215)	0,0236597	Xpo1, Stmn1, Psrc1, Arpc5, Actr3, Ranbp1, Tacc3, Rdx, Npm1
GO:0031113: regulation of microtubule polymerization	2(1215)	0,0437819	Stmn1, Psrc1
GO:0007018: microtubule-based movement	14(1215)	5,05E-05	Kif11, Tubb5, Kif21a, Kif20a, Kif4, Tuba1c, Kif22, Kif2a, Nde1, Kif20b, Kif2c, Ktn1, Tube1, Kif18a
TRANSPORT (METABOLITES, IONS AND VESICLES)			
GO:0050658: RNA transport	22(1215)	2,66E-17	Nup93, Nupl1, Pom121, Nup37, Fmr1, Nxf1, Nup43, Xpo1, Tmem48, Nup155, Xpo7, Magoh, Nup133, Fusip1, Khgrp, Khdrbs1, G3bp2, Hnrnpa1, Nup88, Nxt1, Nup54, Nup107
GO:0050657: nucleic acid transport	22(1215)	2,66E-17	Nup93, Nupl1, Pom121, Nup37, Fmr1, Nxf1, Nup43, Xpo1, Tmem48, Nup155, Xpo7, Magoh, Nup133, Fusip1, Khgrp, Khdrbs1, G3bp2, Hnrnpa1, Nup88, Nxt1, Nup54, Nup107
GO:0051028: mRNA transport	21(1215)	1,79E-16	Nup93, Nupl1, Pom121, Nup37, Fmr1, Nxf1, Nup43, Xpo1, Tmem48, Nup155, Xpo7, Magoh, Nup133, Fusip1, Khgrp, Khdrbs1, G3bp2, Hnrnpa1, Nup88, Nxt1, Nup54, Nup107
GO:0006913: nucleocytoplasmic transport	21(1215)	2,23E-09	Nup50, Gli3, Tnpo1, Nxf1, Ran, Xpo1, Nutf2, Nup155, Xpo7, Cep57, Ipo7, Nup133, Fusip1, Kpna2, Khdrbs1, Tacc3, Nxt1, Kpnb1, Mybbp1a, Pola2, Npm1
GO:0051169: nuclear transport	21(1215)	2,68E-09	Nup50, Gli3, Tnpo1, Nxf1, Ran, Xpo1, Nutf2, Nup155, Xpo7, Cep57, Ipo7, Nup133, Fusip1, Kpna2, Khdrbs1, Tacc3, Nxt1, Kpnb1, Mybbp1a, Pola2, Npm1
GO:0065002: intracellular protein transmembrane transport	13(1215)	4,27E-06	Nup93, Nupl1, Pom121, Nup37, Nup43, Tmem48, Nup155, Xpo7, Nup133, Nup88, Nup54, Nup107, Timm8a1
GO:0006606: protein import into nucleus	12(1215)	5,70E-05	Gli3, Tnpo1, Ran, Xpo1, Nutf2, Xpo7, Cep57, Ipo7, Kpna2, Tacc3, Kpnb1, Pola2
GO:0017038: protein import	13(1215)	5,89E-05	Gli3, Tnpo1, Ran, Xpo1, Nutf2, Xpo7, Cep57, Ipo7, Kpna2, Tacc3, Kpnb1, Pola2, Timm8a1
GO:0030705: cytoskeleton-dependent intracellular transport	15(1215)	8,62E-05	Kif11, Tubb5, Kif21a, Kif20a, Kif4, Tuba1c, Wipf1, Kif22, Kif2a, Nde1, Kif20b, Kif2c, Ktn1, Tube1, Kif18a
GO:0006886: intracellular protein transport	28(1215)	0,000181735	Nup93, Nupl1, Pom121, Gli3, Nup37, Tnpo1, Cd24a, Nup43, Ran, Xpo1, Tmem48, Nutf2, Nup155, Xpo7, Cep57, Ipo7, Nup133, Kpna2, Ap1s3, Tacc3, Nup88, Nxt1, Kpnb1, PcnA, Pola2, Nup54, Nup107, Timm8a1
GO:0006405: RNA export from nucleus	5(1215)	0,000654883	Nxf1, Nup133, Fusip1, Khdrbs1, Nxt1
GO:0006605: protein targeting	14(1215)	0,00307334	Gli3, Tnpo1, Ran, Xpo1, Nutf2, Xpo7, Cep57, Ipo7, Kpna2, Tacc3, Nxt1, Kpnb1, Pola2, Timm8a1
GO:0015031: protein transport	39(1215)	0,0130066	Nup93, Nupl1, Pom121, Gli3, Nup37, Tnpo1, Snx5, Cd24a, Nup43, Kif20a, Ran, Vps36, Xpo1, Tmem48, Nutf2, Snx7, Nup155, Xpo7, Arf6, Cep57, Nasp, Ipo7, Nup133, Sdad1, Rab8b, Kpna2, Rab15, Ap1s3, Tacc3, Zw10, Nup88, Nxt1, Kpnb1, PcnA, Pola2, Kif18a, Nup54, Nup107, Timm8a1
GO:0006406: mRNA export from nucleus	3(1215)	0,0247957	Nxf1, Nup133, Fusip1

CELL DEATH

<i>Functional category</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
GO:0006915: apoptotic process	61(1215)	6,45E-08	Bcl10, Tfdp1, Rasa1, Alkbh1, Myc, Qars, Unc5c, Topors, Gli3, Litaf, Bub1b, Casp3, Bcl2l11, Gramd4, Ctnna1, 1810011010Rik, Msh6, Cd24a, H2-K1, Itgav, Smndc1, Tial1, Sh3kbp1, Tnfai8, Trp53bp2, Brca1, Arf6, Rad21, Casp2, Ckap2, Phf17, Mapk8, Nek6, Aifm1, Ddx20, Dlx1, Mbd4, Dffb, Card10, Hells, Sltm, Stk17b, Spp1, 4632434111Rik, Api5, 6030408C04Rik, Msh2, Bclaf1, Tmem173, Skp2, Sgk1, Siva1, Casp8ap2, Casp6, Phlpp, Casp8, Ripk2, Birc5, Sgms1, Bcl2, Sirt1
GO:0042981: regulation of apoptosis	35(1215)	0,000918262	Bcl10, Rasa1, Alkbh1, Myc, Qars, Gli3, Casp3, Bcl2l11, Ctnna1, Msh6, Cd24a, H2-K1, Brca1, Casp2, Mapk8, Ddx20, Dlx1, Mbd4, Card10, Hells, Spp1, Api5, 6030408C04Rik, Msh2, Bclaf1, Skp2, Siva1, Casp8ap2, Casp6, Casp8, Ripk2, Birc5, Sgms1, Bcl2, Sirt1
GO:0030262: apoptotic nuclear changes	5(1215)	0,000938818	Myc, Casp3, Cd24a, Aifm1, Dffb
GO:0043067: regulation of programmed cell death	35(1215)	0,00115892	Bcl10, Rasa1, Alkbh1, Myc, Qars, Gli3, Casp3, Bcl2l11, Ctnna1, Msh6, Cd24a, H2K1, Brca1, Casp2, Mapk8, Ddx20, Dlx1, Mbd4, Card10, Hells, Spp1, Api5, 6030408C04Rik, Msh2, Bclaf1, Skp2, Siva1, Casp8ap2, Casp6, Casp8, Ripk2, Birc5, Sgms1, Bcl2, Sirt1
GO:0006309: DNA fragmentation during apoptosis	4(1215)	0,00357849	Myc, Casp3, Aifm1, Dffb
GO:0008637: apoptotic mitochondrial changes	5(1215)	0,00971074	Myc, Casp3, Cd24a, Aifm1, Bcl2
GO:0008634: negative regulation of survival gene product expression	2(1215)	0,010557	Myc, Skp2
GO:0043066: negative regulation of apoptosis	17(1215)	0,0108044	Rasa1, Myc, Qars, Casp3, Ctnna1, Casp2, Mapk8, Dlx1, Hells, Spp1, Api5, 6030408C04Rik, Msh2, Skp2, Birc5, Sgms1, Bcl2
GO:0043069: negative regulation of programmed cell death	17(1215)	0,012757	Rasa1, Myc, Qars, Casp3, Ctnna1, Casp2, Mapk8, Dlx1, Hells, Spp1, Api5, 6030408C04Rik, Msh2, Skp2, Birc5, Sgms1, Bcl2
GO:0043065: positive regulation of apoptosis	17(1215)	0,0132173	Bcl10, Myc, Casp3, Bcl2l11, Msh6, Cd24a, H2-K1, Brca1, Casp2, Mapk8, Ddx20, Mbd4, Bclaf1, Siva1, Casp8ap2, Casp6, Ripk2
GO:0043068: positive regulation of programmed cell death	17(1215)	0,0143433	Bcl10, Myc, Casp3, Bcl2l11, Msh6, Cd24a, H2-K1, Brca1, Casp2, Mapk8, Ddx20, Mbd4, Bclaf1, Siva1, Casp8ap2, Casp6, Ripk2
GO:0051402: neuron apoptosis	8(1215)	0,0256458	Rasa1, Alkbh1, Casp3, Aifm1, Dlx1, Msh2, Birc5, Bcl2
GO:0012502: induction of programmed cell death	13(1215)	0,0310716	Bcl10, Myc, Casp3, Msh6, Cd24a, H2-K1, Brca1, Casp2, Mapk8, Ddx20, Mbd4, Casp8ap2, Casp6
GO:0006917: induction of apoptosis	13(1215)	0,0310716	Bcl10, Myc, Casp3, Msh6, Cd24a, H2-K1, Brca1, Casp2, Mapk8, Ddx20, Mbd4, Casp8ap2, Casp6
GO:0070230: positive regulation of lymphocyte apoptosis	2(1215)	0,0437819	Myc, Cd24a
GO:0006916: anti-apoptosis	8(1215)	0,0441314	Myc, Qars, Hells, Spp1, Api5, Skp2, Birc5, Bcl2
DEVELOPMENTAL PROCESS			
GO:0043009: chordate embryonic development	36(1215)	5,46E-07	Bcl10, Gli2, Alkbh1, Nup50, Amd1, Flvcr1, Gli3, Vangl2, Ncapp2, Prpf19, Runx1, Bcl2l11, Tbx3, Satb2, Abi1, Ipmk, Ccnb2, Ccnb1, Brca1, Tgfbr3, Dab2, Gins1, Six4, Nasp, Ptk7, Tgif1, Dlx1, Rbbp8, Junb, 6030408C04Rik, Msh2, Ell, Casp8, Gata2, Sfrs1, Fzd3
GO:0009887: organ morphogenesis	50(1215)	3,57E-06	Gli2, Rasa1, Alkbh1, Myc, Pou2f1, Gli3, Vangl2, Narg1, Etv4, Runx1, Hmgn1, Bcl2l11, Tbx3, Recql4, Itgav, Satb2, Runx2, Prkar2b, Arf6, Tgfbr3, Tnnt2, Six4, Nab2, Smarcc1, Foxm1, Gmnn, Mapk1, Etv5, Ccnf, Zfp422, Dlx1, Erap1, Vegfc, Nrp1, Spry2, Eglf7, Arhgap22, Gjc1, Junb, Csf1, Nr2f2, Klf5, Elk3, Rbpj, Chuk, Lif, Casp8, Gata2, Bcl2, Fzd3
GO:0048534: hemopoietic or lymphoid organ development	28(1215)	0,000127534	Flvcr1, Runx1, Timp1, Bcl2l11, Egr1, Hmgb3, Cd24a, Blm, Ncaph2, Ccnb2, Socs5, Patz1, Tgfbr3, Six4, Plscr1, Hsp90aa1, Hells, Csf1, Sox4, Foxp1, Tacc3, Msh2, Rbpj, Chuk, Lif, Casp8, Sfxn1, Bcl2
GO:0001701: in utero embryonic development	21(1215)	0,00015669	Alkbh1, Amd1, Flvcr1, Ncapp2, Prpf19, Runx1, Bcl2l11, Tbx3, Ccnb2, Ccnb1, Tgfbr3, Dab2, Gins1, Nasp, Rbbp8, Junb, 6030408C04Rik, Msh2, Ell, Gata2, Sfrs1
GO:0045596: negative regulation of cell differentiation	18(1215)	0,000359221	Gli3, Prpf19, Hmgb3, Ctnna1, Cd24a, Ezh2, Socs5, Enpp1, Tgfbr3, Aspm, Mapk1, Cit, Dlx1, Nrp1, Rif1, Rbpj, Lif, Sirt1

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0016331: morphogenesis of embryonic epithelium	11(1215)	0,000500469	Bcl10, Gli2, Nup50, Vangl2, Ipmk, Scrib, Ptk7, Tgif1, Vegfc, Casp8, Fzd3
GO:0030097: hemopoiesis	25(1215)	0,00050089	Flvcr1, Runx1, Timp1, Egr1, Hmgb3, Cd24a, Blm, Ncaph2, Socs5, Patz1, Tgfbr3, Plscr1, Hsp90aa1, Hells, Csf1, Sox4, Foxp1, Tacc3, Msh2, Rbpj, Chuk, Lif, Casp8, Sfxn1, Bcl2
GO:0002521: leukocyte differentiation	18(1215)	0,00107533	Egr1, Hmgb3, Cd24a, Blm, Ncaph2, Socs5, Patz1, Hsp90aa1, Hells, Csf1, Sox4, Foxp1, Msh2, Rbpj, Chuk, Lif, Casp8, Bcl2
GO:0021915: neural tube development	10(1215)	0,00208215	Bcl10, Gli2, Nup50, Gli3, Vangl2, Ipmk, Ptk7, Tgif1, Casp8, Fzd3
GO:0001841: neural tube formation	8(1215)	0,00236787	Bcl10, Nup50, Vangl2, Ipmk, Ptk7, Tgif1, Casp8, Fzd3
GO:0042476: odontogenesis	8(1215)	0,00276026	Gli2, Gli3, Bcl2l11, Runx2, Zfp422, Dlx1, Csf1, Chuk
GO:0048514: blood vessel morphogenesis	18(1215)	0,00332274	Rasa1, Narg1, Runx1, Itgav, Foxm1, Erap1, Vegfc, Nrp1, Egfl7, Arhgap22, Gjc1, Junb, Nr2f2, Klf5, Elk3, Rbpj, Casp8, Gata2
GO:0001838: embryonic epithelial tube formation	8(1215)	0,00354989	Bcl10, Nup50, Vangl2, Ipmk, Ptk7, Tgif1, Casp8, Fzd3
GO:0001568: blood vessel development	20(1215)	0,00366604	Rasa1, Narg1, Runx1, Tbx3, Itgav, Tgfbr3, Foxm1, Erap1, Vegfc, Nrp1, Egfl7, Arhgap22, Gjc1, Junb, Nr2f2, Klf5, Elk3, Rbpj, Casp8, Gata2
GO:0030098: lymphocyte differentiation	14(1215)	0,00404807	Egr1, Hmgb3, Cd24a, Blm, Ncaph2, Socs5, Patz1, Hsp90aa1, Hells, Sox4, Foxp1, Msh2, Rbpj, Bcl2
GO:0001944: vasculature development	20(1215)	0,00425115	Rasa1, Narg1, Runx1, Tbx3, Itgav, Tgfbr3, Foxm1, Erap1, Vegfc, Nrp1, Egfl7, Arhgap22, Gjc1, Junb, Nr2f2, Klf5, Elk3, Rbpj, Casp8, Gata2
GO:0042475: odontogenesis of dentine-containing tooth	7(1215)	0,00708704	Gli2, Gli3, Bcl2l11, Runx2, Dlx1, Csf1, Chuk
GO:0007405: neuroblast proliferation	6(1215)	0,00714006	Ctnna1, Cd24a, Racgap1, Nde1, Aspm, Vegfc
GO:0016447: somatic recombination of immunoglobulin gene segments	6(1215)	0,00826841	Msh6, Exo1, Foxp1, Msh2, Ung, Swap70
GO:0007507: heart development	17(1215)	0,0102853	Gli2, Gli3, Vangl2, Casp3, Tbx3, Trp53bp2, Tgfbr3, Tnnt2, Pkp2, Nrp1, Gjc1, Cxadr, Sox4, Foxp1, Nrp2, Rbpj, Casp8
GO:0016445: somatic diversification of immunoglobulins	6(1215)	0,0108172	Msh6, Exo1, Foxp1, Msh2, Ung, Swap70
GO:0007281: germ cell development	10(1215)	0,0116951	Fbxo5, Trip13, Tial1, Cep57, Strbp, Cugbp1, Fancd, Msh2, Pebp1, Bcl2
GO:0060348: bone development	13(1215)	0,0126357	Gli2, Ptger4, Satb2, Runx2, Fhl2, Egr2, Enpp1, Nab2, Ptgs2, Mapk8, Spp1, Csf1, Bcl2
GO:0010721: negative regulation of cell development	6(1215)	0,0132927	Ctnna1, Cd24a, Tgfbr3, Cit, Dlx1, Nrp1
GO:0000902: cell morphogenesis	29(1215)	0,0134862	Gli2, Alkbh1, Vangl2, Etv4, Epb4.1, Pcnt, Pak1, Ctnna1, Cd24a, Jub, Ect2, Stmn1, Egr2, Ank3, Tgfbr3, Dab2, Trim28, Nck2, Ptk7, Cit, Slit2, Pdgfb, Nrp1, Klf5, Plxn1, Rbpj, Rdx, Bcl2, Llg1
GO:0007517: muscle development	16(1215)	0,0169252	Luc7l, Pak1, Gphn, Ezh2, Tgfbr3, Tnnt2, Six4, Cenpf, Mxk, Gjc1, Cxadr, Nr2f2, Foxp1, Lif, Bcl2, Sirt1
GO:0002200: somatic diversification of immune receptors	6(1215)	0,0170466	Msh6, Exo1, Foxp1, Msh2, Ung, Swap70
GO:0001525: angiogenesis	13(1215)	0,0179739	Narg1, Runx1, Itgav, Erap1, Vegfc, Nrp1, Egfl7, Arhgap22, Klf5, Elk3, Rbpj, Casp8, Gata2
GO:0048754: branching morphogenesis of a tube	8(1215)	0,0256458	Gli2, Gli3, Mycn, Tbx3, Timeless, Nrp1, Spry2, Bcl2
GO:0008584: male gonad development	5(1215)	0,0263281	Bcl2l11, Fanca, Sf1, Msh2, Bcl2
GO:0014706: striated muscle development	13(1215)	0,0266548	Luc7l, Pak1, Gphn, Ezh2, Tnnt2, Six4, Cenpf, Gjc1, Cxadr, Nr2f2, Foxp1, Bcl2, Sirt1

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0045766: positive regulation of angiogenesis	3(1215)	0,0312471	Runx1, Erap1, Gata2
GO:0001833: inner cell mass cell proliferation	3(1215)	0,0312471	Ncapg2, Prpf19, Gins1
GO:0007417: central nervous system development	21(1215)	0,0348952	Gli2, Unc5c, Gli3, Prpf19, Fmr1, Lrp8, Runx1, Tbx3, Atrx, Egr2, Trp53bp2, Nde1, Aspm, Dlx1, Zic1, Nr2f2, Tacc3, Rbpj, Gata2, Bcl2, Lgl1
GO:0048538: thymus development	4(1215)	0,0351876	Bcl2l11, Ccnb2, Six4, Bcl2
GO:0060284: regulation of cell development	11(1215)	0,0352321	Gli2, Prpf19, Ctnna1, Cd24a, Tgfr3, Aspm, Cit, Dlx1, Nrp1, Plxnb1, Bcl2
GO:0022008: neurogenesis	29(1215)	0,0354277	Gli2, Alkbh1, Gli3, Etv4, Prpf19, Runx1, Pak1, Ctnna1, Cd24a, Satb2, Stmn1, Egr2, Ank3, Racgap1, Nde1, Nab2, Aspm, Cit, Dlx1, Slit2, Vegfc, Nrp1, Nr2f2, Tacc3, Plxnb1, Rbpj, Lif, Gata2, Bcl2
GO:0050767: regulation of neurogenesis	10(1215)	0,0382593	Gli2, Prpf19, Ctnna1, Cd24a, Aspm, Cit, Dlx1, Nrp1, Plxnb1, Bcl2
GO:0001738: morphogenesis of a polarized epithelium	3(1215)	0,0398206	Vangl2, Ptk7, Fzd3
GO:0030278: regulation of ossification	6(1215)	0,0423857	Ptger4, Runx2, Egr2, Enpp1, Csf1, Bcl2
GO:0001843: neural tube closure	5(1215)	0,0425756	Bcl10, Vangl2, Ptk7, Tgif1, Fzd3
GO:0060323: head morphogenesis	2(1215)	0,0437819	Flvcr1, Asph
GO:0030879: mammary gland development	5(1215)	0,0462557	Gli2, Gli3, Bcl2l11, Tbx3, Nme1
GO:0050768: negative regulation of neurogenesis	5(1215)	0,0462557	Ctnna1, Cd24a, Cit, Dlx1, Nrp1
GO:0007420: brain development	17(1215)	0,0472104	Gli2, Unc5c, Gli3, Lrp8, Tbx3, Atrx, Egr2, Nde1, Aspm, Dlx1, Zic1, Nr2f2, Tacc3, Rbpj, Gata2, Bcl2, Lgl1
SIGNALING			
GO:0007242: intracellular signaling cascade	68(1215)	2,92E-05	Bcl10, Wsb1, Ptger4, Myc, Srpk1, Rrad, Centd1, Casp3, Depdc1a, Msh6, Cd24a, Elp2, Rasa3, Spred1, Ran, Itgav, Ect2, Stmn1, Errfi1, Depdc1b, Cdc2a, Pik3c2a, Prkd1, Cdgap, Net1, Ncam1, Socs5, Socs3, Brca1, Racgap1, Arf6, Lrrk1, Dnaja1, Mapk8, Slc9a3r1, Arl4c, Mapk1, Aifm1, Tgif1, Gsg2, Socs6, Cit, Tiam2, Mbd4, Dffb, Hus1, Rab8b, Card10, Cenpj, Unc13c, Chek1, Usp6nl, Csf1, B230120H23Rik, Rab15, G3bp2, Dusp9, Msh2, Spred2, Casp8ap2, Chuk, Lif, Socs4, Hrbl, Casp8, Rapgef2, Bcl2, Npm1
GO:0042770: DNA damage response, signal transduction	8(1215)	0,00107629	Msh6, Cdc2a, Brca1, Mbd4, Hus1, Chek1, Msh2, Npm1
GO:0021776: smoothed signaling pathway involved in spinal cord motor neuron cell fate specification	2(1215)	0,010557	Gli2, Gli3
GO:0021775: smoothed signaling pathway involved in ventral spinal cord interneuron specification	2(1215)	0,010557	Gli2, Gli3
GO:0007224: smoothed signaling pathway	5(1215)	0,0340137	Gli2, Gli3, Ctnna1, Runx2, Zic1
GO:0009966: regulation of signal transduction	28(1215)	0,0450002	Bcl10, Centd1, Ctnna1, Cd24a, Elp2, Zcchc11, Rasa3, Spred1, Ect2, Runx2, Net1, Ncam1, Socs5, Socs3, Tgif1, Socs6, Tiam2, Cenpj, Zic1, Spry2, Usp6nl, Csf1, Sox4, Spred2, Lif, Socs4, Hrbl, Npm1
CELL PROLIFERATION AND GROWTH			
GO:0008284: positive regulation of cell proliferation	23(1215)	0,000182512	Gli2, Fgf7, Myc, Lifr, Mycn, Recql4, Cd24a, Blm, Runx2, Tial1, Cdca7l, Foxm1, Tgif1, Vegfc, Pdgfb, Egfr, Csf1, Foxp1, Suz12, Rbpj, Marcks1l, Lif, Bcl2
GO:0008285: negative regulation of cell proliferation	13(1215)	0,0466595	Gli3, Casp3, Ctnna1, Cd24a, Tgfr3, Ifitm3, E2f7, Asph, Tgif1, Cxadr, Cdkn2c, Rbpj, Bcl2

Functional category	Number of genes	Corrected p-value	Genes repressed in Rasless cells (from Table S1)
GO:0001558: regulation of cell growth	14(1215)	0,00010982	Hmga2, Ruvbl1, Dmap1, Crim1, Sertad1, Actl6a, Socs5, Psrc1, Socs3, Socs6, Ube2e3, Brd8, Socs4, Bcl2
<u>CELL ADHESION</u>			
GO:0022408: negative regulation of cell-cell adhesion	4(1215)	0,00928665	Cd24a, Tgfbr3, Trim28, Rbpj
GO:0022407: regulation of cell-cell adhesion	4(1215)	0,0263621	Cd24a, Tgfbr3, Trim28, Rbpj
GO:0060232: delamination	3(1215)	0,0398206	Tgfbr3, Trim28, Rbpj
<u>PROTEIN LOCATION</u>			
GO:0032507: maintenance of protein location in cell	4(1215)	0,0173992	Cenpe, Tnrc6a, Nuf2, Tacc3
GO:0034453: microtubule anchoring	2(1215)	0,0256688	Cenpe, Nuf2
GO:0008608: attachment of spindle microtubules to kinetochore	2(1215)	0,0256688	Cenpe, Nuf2
<u>OTHERS</u>			
GO:0016446: somatic hypermutation of immunoglobulin genes	4(1215)	0,00236948	Msh6, Exo1, Msh2, Ung
GO:0001776: leukocyte homeostasis	6(1215)	0,0260607	Casp3, Bcl2l11, Cd24a, Ccnb2, Fancc, Bcl2

Table S2-KEGG. Functional annotation to KEGG PATHWAYS of the downregulated, differentially expressed genes of Rasless MEFs

<i>KEGG Pathway</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
(KEGG) 03040 :Spliceosome	43(1239)	1,24E-28	U2af1, Magoh, Prpf4, Sf3a1, Snrpb2, Isy1, Hnrnpc, Snrpd1, Hnrnpa3, Hnrnpk, U2af2, Snrpb, Prpf19, Snrpg, Tcerg1, Hnrnpm, Smndc1, Ppih, Hnrnpu, 2610101N10Rik, Thoc2, Hspa8, Dhx15, Rbm25, Eif4a3, Prpf40a, Snrpe, Cdc40, Snrpa1, Hnrnpa1, Sf3a3, Prpf38b, Rbmxt, Ddx46, Rbm17, Prpf3, Prpf31, Snw1, Ppil1, Lsm2, Eftud2, Prpf38a, Cdc5l
(KEGG) 04110 :Cell cycle	40(1239)	1,52E-26	Cdkn2c, Cdc20, Mad2l1, Bub1, Smc3, Ccne2, Stag1, Mcm4, Ccna2, Rad21, Rbl1, Pttg1, Mcm2, Espl1, Tfdp1, Cdc7, Cdc25a, Chek1, Mcm3, Mcm6, Ccnb1, Skp2, Pkmyt1, Cdc27, Mcm7, Plk1, Hdac2, Mcm5, Myc, Pcna, Bub1b, Cdc6, Cdk2, Cdc25c, Bub3, Wee1, Ccne1, Ttk, Ccnb2, Dbf4
(KEGG) 03030 :DNA replication	24(1239)	6,31E-26	Prim1, Pold1, Lig1, Mcm4, Pole2, Rpa2, Mcm2, Pold3, Rfc2, Rfc4, Rfc3, Dna2, Mcm3, Rfc5, Mcm6, Pole, Mcm7, Mcm5, Pcna, Prim2, Pola2, Pola1, Fen1, Rnaseh2a
(KEGG) 03013 :RNA transport	39(1239)	6,57E-21	Magoh, Nup50, Strap, Nup133, Pop1, Nup155, Clns1a, Nup93, Rnps1, Prmt5, Nup54, Eif2s1, Nup43, Nup88, Rangap1, Eif5, Gemin6, Nup37, Seh1, Paip1, Gemin4, Sip1, Ddx20, Thoc2, Xpo1, Sumo2, Pnn, Kpnb1, Nup107, Nxt1, Tacc3, Eif4a3, Upf3b, Ran, Nxf1, Pom121, Nupl1, Tmem48, Gemin8
(KEGG) 03430 :Mismatch repair	14(1239)	1,99E-14	Pold1, Pms2, Lig1, Msh2, Exo1, Rpa2, Pold3, Rfc2, Rfc4, Rfc3, Rfc5, Msh6, Pcna, Msh3
(KEGG) 03008 :Ribosome biogenesis in eukaryotes	23(1239)	2,62E-14	Mphosph10, Pwp2, Fbl, Utp6, Wdr75, Wdr36, Pop1, Riok2, Imp3, Cirh1a, Rcl1, Emg1, Wdr43, Xpo1, Dkc1, Utp15, Utp18, Nxt1, Nob1, Gnl3, Ran, Nxf1, Wdr3
(KEGG) 00240 :Pyrimidine metabolism	24(1239)	2,38E-13	Dctd, Tk1, Prim1, Pold1, Polr1e, Nme4, Rrm2, Pole2, Tyms, Pold3, Dut, Nme1, Umps, Pnpt1, Dck, Polr3b, Pole, Rrm1, Dtymk, Polr2b, Prim2, Pola2, Dhodh, Pola1
(KEGG) 03410 :Base excision repair	14(1239)	3,71E-11	Pold1, Apex2, Lig1, Mbd4, Pole2, Pold3, Apex1, Neil3, Pole, Ung, Parp1, Pcna, Fen1, Hmgbl
(KEGG) 00230 :Purine metabolism	27(1239)	2,17E-10	Prim1, Pold1, Polr1e, Nme4, Rrm2, Adsl, Ppat, Pole2, Pold3, Impdh2, Nme1, Pde1a, Adss, Pnpt1, Dck, Polr3b, Pole, Rrm1, Pgm1, Enpp1, Polr2b, Prim2, Pola2, Gmps, Pola1, Gart, Prps1
(KEGG) 03015 :mRNA surveillance pathway	18(1239)	1,05E-08	Cstf2, Magoh, Nudt21, Rnps1, Cpsf6, Cpsf4, Pnn, Etf1, Nxt1, Cpsf2, Rnmt, Eif4a3, Upf3b, Nxf1, Pcf11, Gspt1, Pabpn1, Hbs1l
(KEGG) 03420 :Nucleotide excision repair	13(1239)	1,56E-08	Pold1, Lig1, Pole2, Cul4b, Rpa2, Pold3, Rfc2, Rfc4, Rfc3, Rfc5, Pole, Pcna, Gtf2h2
(KEGG) 04114 :Oocyte meiosis	19(1239)	4,44E-08	Cdc20, Mad2l1, Bub1, Smc3, Ccne2, Mapk1, Pttg1, Aurka, Espl1, Sgol1, Fbxo5, Pkmyt1, Cdc27, Plk1, Ppp1cc, Cdk2, Cdc25c, Ccne1, Ccnb2
(KEGG) 05200 :Pathways in cancer	32(1239)	7,57E-07	Pdgfb, Ccne2, Cks1b, Mapk1, Vegfc, Hsp90aa1, Ptgs2, Casp8, Msh2, Gli2, Cttna1, Birc5, Egfr, Chuk, Ctbp2, Fgf7, Rad51, Skp2, Runx1, Tpm3, Casp3, Itgav, Hdac2, Mapk8, Msh6, Myc, Gli3, Cdk2, Fzd3, Msh3, Ccne1, Bcl2
(KEGG) 03440 :Homologous recombination	9(1239)	1,88E-06	Pold1, Rad54l, Rpa2, Pold3, Rad51, Eme1, Mre11a, Rad51c, Blm
(KEGG) 04914 :Progesterone-mediated oocyte maturation	14(1239)	1,26E-05	Mad2l1, Bub1, Mapk1, Hsp90aa1, Ccna2, Cdc25a, Ccnb1, Pkmyt1, Cdc27, Plk1, Mapk8, Cdk2, Cdc25c, Ccnb2
(KEGG) 04115 :p53 signaling pathway	11(1239)	0,000154189	Ccne2, Casp8, Rrm2, Ccng2, Chek1, Ccnb1, Casp3, Cdk2, Ccne1, Gtse1, Ccnb2
(KEGG) 03018 :RNA degradation	11(1239)	0,000255786	Cnot6, Dhx36, Eno3, Dcp1a, Pnpt1, Dis3, Patl1, Exosc2, Exosc8, Lsm2, Hspd1
(KEGG) 04320 :Dorso-ventral axis formation	6(1239)	0,00067387	Notch1, Mapk1, Ets1, Etv6, Egfr, Ets2
(KEGG) 04141 :Protein processing in endoplasmic reticulum	16(1239)	0,00108902	Ckap4, Hsp90aa1, Mbtps2, Ssr4, Stt3b, Eif2s1, Ube2e3, Dnaja2, Sec63, Hspa4l, Pdia6, Hspa8, Mapk8, Ubqln2, Dnaja1, Bcl2

<i>KEGG Pathway</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
(KEGG) 00270 :Cysteine and methionine metabolism	7(1239)	0,00127375	Ahcy, Mtap, Amd1, Mat2a, Sms, Dnmt1, Ahcy1
(KEGG) 05210 :Colorectal cancer	9(1239)	0,00213011	Mapk1, Msh2, Birc5, Casp3, Mapk8, Msh6, Myc, Msh3, Bcl2
(KEGG) 04010 :MAPK signaling pathway	21(1239)	0,00217084	Pdgfb, Mapk1, Cd14, Dusp9, Stmn1, Rasa1, Dusp5, Egfr, Chuk, Cacna1c, Fgf7, Hspa8, Pla2g4a, Casp3, Rapgef2, B230120H23Rik, Mapk8, Dusp6, Myc, Dusp4, Pak1
(KEGG) 00670 :One carbon pool by folate	5(1239)	0,00262784	Mthfd1, Tyms, Shmt1, Gart, Dhfr
(KEGG) 05222 :Small cell lung cancer	10(1239)	0,00428299	Ccne2, Cks1b, Ptgs2, Chuk, Skp2, Itgav, Myc, Cdk2, Ccne1, Bcl2
(KEGG) 04630 :Jak-STAT signaling pathway	13(1239)	0,0149375	Lifr, Socs4, Ghr, Osmr, Tslp, Lif, Socs5, Spred1, Spry2, Il13ra1, Myc, Spred2, Socs3
(KEGG) 04210 :Apoptosis	9(1239)	0,0155185	Aifm1, Casp8, Prkar2b, Dffb, Chuk, Il1rap, Casp3, Bcl2, Casp6
(KEGG) 05215 :Prostate cancer	9(1239)	0,0204867	Pdgfb, Ccne2, Mapk1, Hsp90aa1, Egfr, Chuk, Cdk2, Ccne1, Bcl2
(KEGG) 05020 :Prion diseases	5(1239)	0,0372889	Notch1, Ncam1, Mapk1, Stip1, Egr1
(KEGG) 04330 :Notch signaling pathway	6(1239)	0,0375309	Rbpj, Notch1, Kat2a, Ctbp2, Hdac2, Snw1
(KEGG) 04120 :Ubiquitin mediated proteolysis	11(1239)	0,0383463	Cdc20, Prpf19, Ube2e3, Cul4b, Skp2, Uba2, Brca1, Cdc27, Nedd4l, Ube2c, Socs3

Table S2-TF. Functional annotation to “TRANSCRIPTION FACTORS” of the downregulated, differentially expressed genes of Rasless MEFs

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$E2F1_Q6	64(1239)	9,63E-50	Syncrip, Suv39h1, H2afz, Pold1, Stag1, Fancd2, Fance, Snrpd1, Nolz1, Klf5, Arhgap11a, Rrm2, Mcm4, Msh2, Ctcf, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Ilf3, Cdc25a, Cdt1, Casp8ap2, Cbx3, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Fbxo5, Rasal2, Kpnb1, Pkmyt1, Clspn, Zcchc8, Gmnn, E2f7, Mcm7, Rbbp4, Hmga1, H2afv, Ung, Ezh2, Prpf4b, Myc, Ipo7, Tmpo, PcnA, Cdc6, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Ranbp1, Prps1, Dnmt1, Fkbp5, Ncl, Cdc5l
V\$SP1_Q6	216(1239)	1,80E-49	Taf5, Cdkn2c, Gphn, Cct3, Zmym1, Cenph, Hyal2, Sfr3a1, Notch1, Syncrip, Ncam1, Trib1, Rpl3, Pdgfrb, Suv39h1, Ahcy1, Top2a, H2afz, Arpc5, Fbl, Cks1b, Slc38a1, Usp1, Trim25, Slc11a2, G3bp2, Set, Acly, Stag1, Alad, Sox4, Khdrbs1, Zbtb12, Junb, Eil2, Nolz1, Klf5, Ptpn22, Cct2, Melk, Mtmr4, Sertad1, Lig1, Dlg3, Hnrpd1, Fmr1, Egr2, Slc43a1, Ssr4, Elovl6, Cbx5, Ctcf, Txnrd1, Exo1, Sox12, Cbfb, Smarce1, Trim28, Axl, Sgol2, Idh3a, Osmr, Eno3, Nutf2, Tbx3, Mat2a, Stmn1, Rasa1, Sin3a, Pole2, Cit, Dusp5, Fus, Anln, Nasp, Ppih, Pcm1, Usp37, Ing5, Rbm12, Rpl12, Sec63, Cnnm4, Nab2, Tead2, Eif5, Khrrp, Shmt1, Zfp3612, Rbbp7, Uchl5, Ilf3, Pogz, Cdc25a, Cdca3, Denr, Rbbp8, Pou2f1, Ssb, Nr2f2, Rcl1, Hspe1, Hat1, Top1, Ccng2, Supt16h, Matr3, Chtf18, Egr3, Fmnl3, Slc9a3r1, Casp8ap2, Ptk7, Topors, Zic1, Pank4, Adss, Plk4, Etv5, Elk3, Pnpt1, Hspa8, Tdrkh, Xpo1, Smarca5, Nusap1, Ptpn12, Sumo2, I13ra1, Hn1, Safb, Eef1g, Rasal2, Timeless, Cd2ap, Kpnb1, Nxt1, Rrm1, Sdc1, Brca1, Zcchc8, Cyp26b1, Usp3, Mcm7, Sh3kbp1, Rbbp4, Plk1, Sap30, Hmga1, Slc25a5, Net1, Dhx9, Ufp3b, H2afv, Sox11, Fosl1, Pprc1, Cct7, Ddx10, Rnf138, Col7a1, Ezh2, Timp1, Cdc40, Myc, Pkn3, Pcf11, Ipo7, Tcf4, Has2, Mrpl1, Polr2b, Marcks, Npm1, Rnf2, Dpf1, Tmpo, Jub, Oip5, Bzw2, Swap70, Kif2c, Cdk2, Blm, Ubqln2, Cdca7, Dnaja1, Nrf1, Slc9a5, Ell, Scrib, Hmgn1, Msh3, Psp1, Ranbp1, Nrp2, Wee1, Prpf3, Pfafah1b3, Tpp2, Ivns1abp, Fkbp5, Pak1, Ccne1, Six4, Lsm2, Hspd1, Dhfr, Ktn1, Spred2, Etv4, Slbp, Ythdf2, Akap8, Tpbp, Prc1
V\$E2F4DP1_01	62(1239)	4,08E-46	Syncrip, Suv39h1, H2afz, Pold1, Stag1, Fancd2, Fance, Snrpd1, Nolz1, Arhgap11a, Rrm2, Lig1, Mcm4, Msh2, Mat2a, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Rbbp7, Ilf3, Cdc25a, Casp8ap2, Cbx3, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Fbxo5, Rasal2, Pkmyt1, Clspn, Zcchc8, Gmnn, E2f7, Mcm7, Hmga1, H2afv, Ung, Ezh2, Prpf4b, Myc, Ipo7, Tmpo, PcnA, Cdc6, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Ranbp1, Prps1, Dnmt1, Fkbp5, Ncl, Cdc5l
V\$E2F_Q6	60(1239)	2,97E-45	H2afz, Slc38a1, Pold1, Stag1, Fancd2, Snrpd1, Nolz1, Arhgap11a, Rrm2, Mcm4, Msh2, Cbx5, Ctcf, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Ilf3, Cdc25a, Cdt1, Casp8ap2, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Rad51, Fbxo5, Rasal2, Kpnb1, Pkmyt1, Clspn, Zcchc8, Gmnn, E2f7, Mcm7, Ung, Ezh2, Prpf4b, Ipo7, Tmpo, PcnA, Pola2, Cdc6, Ppp1cc, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Ranbp1, Nrp2, Wee1, Prps1, Dnmt1, Ncl
V\$E2F_Q4	60(1239)	3,74E-45	H2afz, Chd2, Slc38a1, Pold1, Stag1, Fancd2, Snrpd1, Nolz1, Arhgap11a, Rrm2, Mcm4, Msh2, Cbx5, Ctcf, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Ilf3, Cdc25a, Cdt1, Casp8ap2, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Rad51, Fbxo5, Rasal2, Kpnb1, Pkmyt1, Clspn, Zcchc8, Gmnn, E2f7, Mcm7, Ung, Ezh2, Prpf4b, Ipo7, Tmpo, PcnA, Pola2, Cdc6, Ppp1cc, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Ranbp1, Nrp2, Wee1, Prps1, Dnmt1, Ncl
V\$E2F_02	60(1239)	5,71E-45	Syncrip, Suv39h1, H2afz, Pold1, Stag1, Fancd2, Fance, Snrpd1, Nolz1, Arhgap11a, Rrm2, Dlg3, Mcm4, Msh2, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Ilf3, Cdc25a, Casp8ap2, Cbx3, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Fbxo5, Rasal2, Kpnb1, Pkmyt1, Clspn, Zcchc8, Gmnn, E2f7, Mcm7, Ung, Ezh2, Prpf4b, Myc, Ipo7, Tmpo, PcnA, Cdc6, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Ranbp1, Prps1, Dnmt1, Fkbp5, Ncl, Cdc5l
V\$E2F1DP1_01	60(1239)	5,71E-45	Syncrip, Suv39h1, H2afz, Pold1, Stag1, Fancd2, Fance, Snrpd1, Nolz1, Arhgap11a, Rrm2, Dlg3, Mcm4, Msh2, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Ilf3, Cdc25a, Casp8ap2, Cbx3, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Fbxo5, Rasal2, Kpnb1, Pkmyt1, Clspn, Zcchc8, Gmnn, E2f7, Mcm7, Hmga1, H2afv, Ung, Ezh2, Prpf4b, Myc, Ipo7, Tmpo, PcnA, Cdc6, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Ranbp1, Prps1, Dnmt1, Fkbp5, Ncl, Cdc5l
V\$E2F4DP2_01	60(1239)	5,71E-45	Syncrip, Suv39h1, H2afz, Pold1, Stag1, Fancd2, Fance, Snrpd1, Nolz1, Arhgap11a, Rrm2, Dlg3, Mcm4, Msh2, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Ilf3, Cdc25a, Casp8ap2, Cbx3, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Fbxo5, Rasal2, Kpnb1, Pkmyt1, Clspn, Zcchc8, Gmnn, E2f7, Mcm7, Hmga1, H2afv, Ung, Ezh2, Prpf4b, Myc, Ipo7, Tmpo, PcnA, Cdc6, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Ranbp1, Prps1, Dnmt1, Fkbp5, Ncl, Cdc5l
V\$E2F1DP2_01	60(1239)	7,90E-45	Syncrip, Suv39h1, H2afz, Pold1, Stag1, Fancd2, Fance, Snrpd1, Nolz1, Arhgap11a, Rrm2, Dlg3, Mcm4, Msh2, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Ilf3, Cdc25a, Casp8ap2, Cbx3, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Fbxo5, Rasal2, Kpnb1, Pkmyt1, Clspn, Zcchc8, Gmnn, E2f7, Mcm7, Ung, Ezh2, Prpf4b, Myc, Ipo7, Tmpo, PcnA, Cdc6, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Ranbp1, Prps1, Dnmt1, Fkbp5, Ncl, Cdc5l
V\$E2F1DP1RB_01	59(1239)	3,48E-44	H2afz, Slc38a1, Pold1, Snrpd1, Nolz1, Arhgap11a, Rrm2, Lig1, Msh2, Cbx5, Ctcf, Mat2a, Stmn1, Pole2, Nasp, Mcm2, Pold3, Usp37, Impdh2, Rbbp7, Ilf3, Cdc25a, Cdt1, Casp8ap2, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Rad51, Fbxo5, Rasal2, Kpnb1, Pkmyt1, Clspn, Zcchc8, Gmnn, E2f7, Mcm7, Ung, Atrx, Ezh2, Ipo7, Tmpo, PcnA, Pola2, Cdc6, Ppp1cc, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Nrp2, Wee1, Prps1, Dnmt1, Ncl
V\$E2F_Q4_01	59(1239)	4,17E-43	Suv39h1, H2afz, Prim1, Slc38a1, Stag1, Fance, Klf5, Melk, Arhgap11a, Mcm4, Cbx5, Ctcf, Nutf2, Tbx3, Mat2a, Stmn1, Pole2, Nasp, Mcm2, Impdh2, Cdc25a, Top1, Casp2, Casp8ap2, Plk4, Mcm3, Mcm6, Atad2, Topbp1, Dck, Rad51, Fbxo5, Kntc1, Kpnb1, Pkmyt1, Zcchc8, Gmnn, E2f7, Mcm7, Rbbp4, Hmga1, Ung, Pprc1, Ezh2, Myc, Ipo7, PcnA, Pola2, Cdc6, Gprc5b, Cdca7, Ranbp1, Nrp2, Anp32e, Wee1, Dnmt1, Ncl, Etv4, Slbp
V\$LEF1_Q2	194(1239)	1,38E-41	Abi1, Lifr, Ckap4, Ankrd28, Ank3, Sfr1, Hyal2, Notch1, Uhrf1, Rbm14, Mmd, Syncrip, Trib1, Crif1, Kif20a, Brd8, Elavl1, Chd2, Ccne2, Llg1, Wdr5, Slc38a1, Set, Stag1, Ptpn22, Rcor1, Ets1, Sema4b, Khdrbs1, Casp8, Zbtb12, Etv6, Eps8, Cct2, Ddx31, Map4k5, Dlg3, Prkar2b, Hnrpd1, Fmr1, Ssr4, Slc43a3, Nipsnap1, Gli2, Xpo7, Ctcf, Rhobtb3, Txnrd1, Phc2, Cbfb, Smarce1, Glrx, Csnk1g3, Baz1a, Crim1, Tcerg1, Rest, Bach1, Tbx3, Mat2a, Stmn1, Syne2, Ube2e3, Myef2, Sfpq, Lmnb1, H2afy2, Kif21a, Fus, Tgiff2, Rpa2, Pcm1, Foxp1, Dnaja2, Sec63, Fbln1, Tead2, Gata2, Eif5, Socs5, Ilf3, Cdc25a, Acl3, Cdca3, Actr3, Chd1, Nr2f2, Slc5a3, Tial1, Luc7l, Top1, Ccng2, Gprc5c, Iqgap3, Pde1a, Sdpr, Paip1, Egr3, Asph, Mplz1, Casp2, Spry2, Ptk7, Cnn3, Tes, Zic1, Adss, Cbx3, Etv5, Nfyb, Apex1, Prdx4, Elk3, Dlx1, Pank1, Pla2g4a, Plscr1, Nusap1, Ptpn12, Nav3, I13ra1, Hn1, Pnn, Eef1g, Runx1, Tpm3, Rasal2, Rab15, Cenpf, Kpnb1, Nup107, Ebf2, Card10, Rrm1, Rnmt, Sdc1, Rab8b, Usp3, Mcm7, Sap30, Hmga1, Hdac2, Dhx9, Enpp1, Sox11, Nedd4l, Nxf1, Rnf138, Atrx, Ezh2, Tnks2, Pkn3, Pcf11, Tcf4, Has2, Mrpl1, Marcks, Wdr3, Rnf2, Dpf1, H2afy, Ankrd10, PcnA, Jub, Oip5, Nono, Bzw2, Mpp6, Lrp8, Bcl2l11, Dusp4, Dyrk3, Cdc25c, Ucp2, Gprc5b, Dnaja1, Klhd2c2, Psp1, Nrp2, Hmga2, Ivns1abp, Fkbp5, Pak1, Ss18, Bnc2, Hmgb1, Six4, Fbxo32, Ktn1, Etv4, Ythdf2, Usp34, Smarcc1, Ahcy1
V\$E2F1_Q6_01	58(1239)	6,61E-41	Syncrip, Suv39h1, Stag1, Fance, Nolz1, Klf5, Arhgap11a, Amd1, Mcm4, Msh2, Cbx5, Ctcf, Stmn1, Sin3a, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Esp1, Ilf3, Cdc25a, Pou2f1, Casp2, Casp8ap2, Mcm3, Mcm6, Atad2, Topbp1, Rad51, Fbxo5, Pkmyt1, Clspn, Gmnn, Mcm7, Enpp1, Ung, Pprc1, Ezh2, Myc, Ipo7, Tmpo, PcnA, Pola2, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Ranbp1, Hmga2, Wee1, Prps1, Dnmt1, Fkbp5, Ncl, Cdc5l

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$E2F_Q6_01	55(1239)	5,00E-39	Suv39h1, H2afz, Prim1, Pold1, Stag1, Klf5, Melk, Arhgap11a, Rrm2, Lig1, Mcm4, Cbx5, Ctf, Nutf2, Tbx3, Mat2a, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Cdc25a, Casp2, Casp8ap2, Plk4, Mcm3, Mcm6, Atad2, Topbp1, Dck, Rad51, Fbxo5, Kpnb1, Pkmyt1, Zcchc8, Gmn, E2f7, Mcm7, Rbbp4, Dusp6, Ung, Ezh2, Myc, Ipo7, Pcna, Cdc6, Gprc5b, Cdca7, Ranbp1, Nrp2, Anp32e, Wee1, Dnmt1, Ncl, Etv4
V\$E2F_Q3	55(1239)	2,20E-38	Suv39h1, H2afz, Prim1, Pold1, Stag1, Klf5, Melk, Lig1, Mcm4, Cbx5, Ctf, Nutf2, Tbx3, Mat2a, Mrpl18, Stmn1, Eif2s1, Rbl1, Fus, Nasp, Rpa2, Mcm2, Cdc25a, Top1, Casp8ap2, Plk4, Mcm3, Mcm6, Atad2, Topbp1, Dck, Rad51, Fbxo5, Kpnb1, Pkmyt1, Zcchc8, Gmn, E2f7, Mcm7, Rbbp4, Ung, Pprc1, Ezh2, Myc, Ipo7, Pola2, Cdc6, Cdca7, Dnajc9, Ranbp1, Anp32e, Prps1, Dnmt1, Fkbp5, Slbp
V\$E2F1_Q4_01	54(1239)	1,49E-37	Suv39h1, H2afz, Slc38a1, Usp1, Stag1, Fanc, Nup155, Klf5, Melk, Arhgap11a, Mcm4, Cbx5, Ctf, Mat2a, Stmn1, Sin3a, Pole2, Nasp, Mcm2, Impdh2, Cdc25a, Top1, Egr3, Casp2, Casp8ap2, Mcm3, Mcm6, Atad2, Topbp1, Dck, Rad51, Fbxo5, Kpnb1, Pkmyt1, Zcchc8, Gmn, E2f7, Mcm7, Hmga1, Ung, Pprc1, Atr, Ezh2, Myc, Ipo7, Pcna, Pola2, Cdc6, Cdca7, Ranbp1, Nrp2, Wee1, Prps1, Dnmt1, Ncl
V\$NFY_Q6_01	115(1239)	1,91E-37	Gphn, Cct3, Ank3, Sf1, Ltbp1, Uhrf1, Rbm14, Mmd, Ncam1, Bub1, Trib1, Kif20a, Brd8, Suv39h1, Top2a, Arpc5, Cks1b, Mapk1, Usp1, Slc11a2, G3bp2, Nek2, Stag1, Sox4, Junb, Ell2, Nup93, Mtmr4, Sertad1, Arhgap11a, Dlg3, Mcm4, Msh2, Pim3, Ssr4, Cbx5, Sgol2, Mbd4, Terf1, Tcerg1, H2afz, Tbx3, Stmn1, Cit, Nasp, Nde1, Rpa2, Nup88, Ing5, Cdh10, Espl1, Khsp, Cdc25a, Nup37, Asf1b, Ccng2, Casp2, Spry2, Stip1, Slc9a3r1, Cnn3, Tes, Etv5, Racgap1, Dgcr8, Slc4a7, Tdrkh, Dlx1, Troap, Xpo1, Pnn, Runx1, Etf1, Cenpf, Kpnb1, Rps9, Brca1, Clspn, Tacc3, Cyp26b1, Rab8b, Mcm7, Rbbp4, Plk1, Hmga1, Tpx2, Ly75, Cct7, Ddx10, Pcf11, Ube2c, Marcks, Spc25, Hmgb2, Mre11a, Lrp8, Epc2, Cdc25c, Hmga2, Wee1, Gart, Prpf31, Pabpn1, Tpp2, Kif23, Ivns1abp, Fkbp5, Rnaseh2a, Cks2, Erh, Ppil1, Spred2, Etv4, Mrpl50, Akap8
V\$E2F_Q3	52(1239)	2,20E-36	H2afz, Slc38a1, Tfrc, Usp1, Klf5, Arhgap11a, Lig1, Mcm4, Cbx5, Ctf, Tbx3, Mat2a, Mrpl18, Stmn1, Pole2, Nasp, Mcm2, Impdh2, Shmt1, Rbbp7, Cdc25a, Casp8ap2, Plk4, Mcm3, Mcm6, Atad2, Topbp1, Dck, Rad51, Fbxo5, Kpnb1, Pkmyt1, Zcchc8, Gmn, E2f7, Mcm7, Rbbp4, Ung, Atr, Ezh2, Ipo7, Pcna, Pola2, Cdc6, Ppp1cc, Cdca7, Ranbp1, Nrp2, Wee1, Prps1, Dnmt1, Ncl
V\$E2F1_Q3	53(1239)	5,36E-36	H2afz, Tfrc, Usp1, Pold1, Snrpd1, Nolc1, Klf5, Arhgap11a, Rrm2, Msh2, Nutf2, Tbx3, Mrpl18, Stmn1, Pole2, Rbl1, Nasp, Mcm2, Pold3, Usp37, Shmt1, Ilf3, Cdc25a, Casp8ap2, Plk4, Soat1, Mcm3, Mcm6, Atad2, Topbp1, Dck, Fbxo5, Rasal2, Pkmyt1, Clspn, Zcchc8, Gmn, E2f7, Mcm7, Rbbp4, Ezh2, Ipo7, Tmpo, Pcna, Cdc6, Gprc5b, Gspt1, Cdca7, Slc9a5, Dnajc9, Prps1, Dnmt1, Ncl
V\$E2F_Q3_01	53(1239)	5,36E-36	Suv39h1, H2afz, Slc38a1, Usp1, Stag1, Fanc, Nup155, Klf5, Melk, Arhgap11a, Mcm4, Cbx5, Ctf, Tbx3, Stmn1, Sin3a, Pole2, Nasp, Mcm2, Cdc25a, Top1, Egr3, Casp2, Casp8ap2, Mcm3, Mcm6, Atad2, Topbp1, Dck, Rad51, Fbxo5, Kpnb1, Pkmyt1, Zcchc8, Gmn, E2f7, Mcm7, Hmga1, Ung, Pprc1, Ezh2, Myc, Ipo7, Pcna, Pola2, Cdc6, Cdca7, Ranbp1, Nrp2, Wee1, Prps1, Dnmt1, Ncl
V\$E2F1_Q4	48(1239)	1,07E-29	Trib1, Lyar, Prim1, Slc38a1, Stag1, Melk, Hnrnpa3, Mcm4, Cbx5, Ctf, Trim28, Stmn1, Sin3a, Pole2, Cit, Nasp, Rpa2, Lif, Zfp3612, Dbr1, Chtf18, Cbx3, Dgcr8, Rad51, Fbxo5, Skp2, Kntc1, Kpnb1, Pkmyt1, Clspn, Zcchc8, E2f7, Sh3kbp1, Ung, Ezh2, Myc, Pcna, Pola2, Cdc6, Ppp1cc, Ranbp1, Nrp2, Wee1, Hmgb1, Erh, Spred2, Etv4, Slbp
V\$MYC_Q2	93(1239)	1,14E-28	Cdkn2c, Hyal2, Notch1, Syncrip, Trib1, Nfx1, Lyar, H2afz, Arpc5, Fbl, Tfrc, Set, Acly, Mthfd1, Mtap, Nek6, Pop1, Hnrnpa3, Amd1, Hnrpd1, Fmr1, Slc43a1, Cbx5, U2af2, Rhobtb3, Sox12, Eno3, Tcerg1, Ppat, Mat2a, Stmn1, Lmnb1, Tgif2, Ddx18, Mcm2, Shmt1, Rbbp7, Sgol1, Socs5, Ilf3, Cirh1a, Rcl1, Snx5, Hspe1, Ctbp2, Tial1, Top1, Supt16h, Gprc5c, Runx2, Gemin4, Topors, Rpl30, Zic1, Adss, Suclg2, Tll1, Apex1, Dlx1, Xpo1, Pla2g4a, Rrs1, Ebna1bp2, Sdc1, Ewsr1, Rbbp4, Hmga1, Net1, Arf6, Sirt1, Fosl1, Pprc1, Rpl13a, Ipo7, Tcf4, Ube2c, Npm1, Eme1, Nudc, Lrp8, Dusp4, Eef1e1, Slc9a5, Ranbp1, Wee1, Prps1, Ivns1abp, Fen1, Fkbp5, Satb2, Ncl, Hspd1, Usp34
V\$NRF1_Q6	82(1239)	7,69E-27	Abi1, Mad2l1, Cct3, Sf1, Rbm14, Hmnr, Arpc5, Cks1b, Set, Stag1, Pms2, Socs4, Ptpn2, Mcm4, Hnrpd1, Fmr1, Dffb, Pim3, Ssr4, Cbx5, Ccna2, Ctf, U2af2, Cbfb, Trim28, Rad21, Rasa1, Eif2s1, Ccnf, Fus, Usp37, Rbm12, Cpsf4, Rbbp7, Ilf3, Rbbp8, Pou2f1, Hspe1, Tial1, Top1, Casp2, Gemin4, Topors, Sip1, Plk4, Ttl4, Prdx4, Bclaf1, Smarca5, Safb, Fbxo5, Nup107, Ewsr1, Gmn, Kin, Dhx9, Pspc1, Arf6, Dusp6, Wdh1, Tnks2, Polr2b, Npm1, Pcna, Pola2, Gtf3c2, Exosc2, Dnajc1, Slc9a5, Srpk1, Gart, Exosc8, Prpf3, Dnmt1, Cks2, Pigf, Bcl7a, Lsm2, Hspd1, Cct5, Cdc51, Akap8
V\$FOXO4_01	131(1239)	3,54E-24	Taf5, Gpr126, Cdkn2c, Ckap4, Ankr28, Ank3, Hyal2, Ncam1, Trib1, Crf1, Kif20a, Brd8, Pdgb, Chd2, Lgl1, G3bp2, Ppil5, Tnpo1, Asxl1, Stag1, Rcor1, Ets1, Sema4b, Ell2, Klf5, Map4k5, Prkg2, Egr2, Dffb, Ghr, Prx, Elovl6, Xpo7, Cbfb, Phf6, Glrx, Csnk1g3, Crim1, Rest, Ppat, Rad21, Tbx3, Nup54, Nrp1, Mat2a, Stmn1, Eif2s1, Fus, Tgif2, Nasp, Whsc1, Foxp1, Cdh10, Impdh2, Tead2, Gata2, Lif, Stoml2, Ilf3, Cdc25a, Chd1, Pik3c2a, Pou2f1, Nr2f2, Rcl1, Tial1, Top1, Fgf7, Ccng2, Gprc5c, Runx2, Pde1a, Fmn13, Mpzl1, Slc9a3r1, Zic1, Adss, Egr1, Etv5, Prdx4, Slc4a7, Dlx1, Ptpn12, Nav3, Il13ra1, Nap111, Runx1, Ebf2, Usp3, Mcm7, Rbbp4, Sap30, Mapk8, H2afz, Dusp6, Ung, Rnf138, Tnks2, Pkn3, Pcf11, Tcf4, Has2, Mrpl1, Marcks, H2afz, Pcna, Ets2, Hmgb2, Mpp6, Bcl2l11, Dusp4, Dyrk3, Arid4b, Cdk2, Cdc25c, Blm, Colec12, Gnb4, Klhd2, Bub3, Nrp2, Hmga2, Pafah1b3, Fkbp5, Bnc2, Pigf, Satb2, Bcl2, Bcl7a, Fbxo32, Etv4
V\$MAZ_Q6	137(1239)	4,42E-22	Gphn, Sf1, Notch1, Mycn, Mmd, Syncrip, Ncam1, Trib1, Pdgb, Suv39h1, H2afz, Chd2, Arpc5, Ccne2, Cks1b, Slc38a1, Trim25, G3bp2, Set, Tnpo1, Stag1, Alad, Sox4, Junb, Sertad1, Hnrnpa3, Dlg3, Prkar2b, Hnrpd1, Dusp9, Fmr1, Egr2, Elovl6, Dapp1, Ctf, Phc2, Sox12, Phf6, Nutf2, Baz1a, Rest, Rad21, Tbx3, Nrp1, Cx3c1, Syne2, Sin3a, Lmnb1, Fus, Tgif2, Smndc1, Tnnt2, Rpl12, Sec63, Nab2, Tead2, Aebp2, Khsp, Lif, Rbbp7, Uchl5, Ilf3, Pogz, Cdca3, Denr, Actr3, Chd1, Pou2f1, Nr2f2, Hspe1, Tial1, Luc7l, Hat1, Fgf7, Ccng2, Supt16h, Gprc5c, Matr3, Egr3, Mpzl1, Stip1, Slc9a3r1, Casp8ap2, Ptk7, Cnn3, Egr1, Cbx3, Etv5, Elk3, Hspa8, Dlx1, Troap, Xpo1, Pank1, Dhx15, Galnt4, Topbp1, Pnn, Eef1g, Tpm3, Etf1, Kpnb1, Rnmt, Sdc1, Ewsr1, Hmga1, Arf6, Sox11, Dusp6, Fosl1, Pprc1, Rnf138, Cdc40, Myc, Pkn3, Pcf11, Tcf4, Snrpa1, Marcks, Rnf2, Dusp4, Gspt1, Dnajc1, Nrf1, Psp1, Hmga2, Gart, Dnmt1, Ivns1abp, Bnc2, Ccne1, Six4, Hspd1, Spred2, Etv4, Smarcc1, Tpbg
V\$YY1_Q6	51(1239)	5,70E-20	Sf3a1, Tardbp, Chd2, Ssr4, Sfxn1, Cbx5, Ctf, U2af2, Rad21, Mat2a, Syne2, Sfpq, Lmnb1, Fus, Hmgb3, Nasp, Whsc2, Foxp1, Rbm12, Rif1, Aebp2, Eif5, Usp14, Ilf3, Cirh1a, Pou2f1, Snx5, Tial1, Racgap1, Wsb1, Elk3, Hspa8, Ier2, Sumo2, Hn1, Safb, Kntc1, Rrm1, Cpsf2, Upf3b, Pspc1, Atr, Tnks2, Pcf11, Tcf4, Mrpl1, Epc2, Ppp1cc, Smyd5, Csnk1a1, Akap8
V\$E2F1_Q3_01	39(1239)	7,43E-20	Syncrip, Ncam1, Prim1, Stag1, Zbtb12, Junb, Ssr4, Stmn1, Rbl1, Impdh2, Eif5, Zfp3612, Cdc25a, Nr2f2, Egr3, Plk4, Elk3, Atad2, Topbp1, Dck, Kpnb1, Gmn, Mcm7, Dusp6, Fosl1, Ezh2, Myc, Marcks, Nono, Lrp8, Ppp1cc, Gspt1, Dnajc9, Ranbp1, Wee1, Dnmt1, Satb2, Ythdf2, Tpbg
V\$MYC_MAX_01	38(1239)	2,06E-19	Syncrip, Trib1, Lyar, Tfrc, Asxl1, Mthfd1, Hnrpd1, Slc43a1, Cbx5, U2af2, Eno3, Tcerg1, Ppat, Mat2a, Stmn1, Ilf3, Rcl1, Snx5, Top1, Gprc5c, Runx2, Suclg2, Prdx4, Sdc1, Ewsr1, Hmga1, Pprc1, Ipo7, Npm1, Nudc, Lrp8, Ranbp1, Prps1, Ivns1abp, Satb2, Ncl, Etv4, Usp34

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$ELK1_Q2	79(1239)	7,59E-18	Sf3a1, Elavl1, Cks1b, Stag1, Fancd2, Alad, Mtap, Nup155, Ptpn2, Mtmr4, Sertad1, Dhx36, Taf5l, Rnps1, Fmr1, Egr2, U2af2, Snrpb, Nutf2, Elf2s1, Ube2e3, Tomm70a, Nasp, Chuk, Sms, Dnaj2, Mastl, Rfc2, Pdap1, Stoml2, Pogz, Vrk3, Nup37, Cdca3, Hat1, Supt16h, Rfc4, Dbr1, Plk4, Egr1, Elk3, Ier2, Dhx15, Skp2, Uba2, Tpm3, Rrs1, Yme111, Smu1, Ebna1bp2, Nup107, Rnmt, Usp3, Mcm7, Rbbp4, Hmga1, Slc25a5, Tpx2, Snrpe, Cct7, Tnks2, Pkn3, Rnf2, Sf3a3, Eme1, Nudc, Bzw2, Hirip3, Gtf3c2, Blm, Gspst1, Dnaj1, Gart, Metap2, Dnmt1, Erh, Ppil1, Spred2, Ythdf2
V\$E2F_Q1	21(1239)	1,02E-16	Fancc, Ptpb2, Nolz1, Amd1, Mcm4, H2afx, Nasp, Mcm2, Khsrp, Casp2, Mcm3, Rfc5, Topbp1, E2f7, Myc, Pcna, Ranbp1, Wee1, Prps1, Dnmt1, Bnc2
V\$ETS2_B	80(1239)	3,50E-16	Taf5, Lifr, Sf1, Hyal2, Trib1, Pdgfb, Chd2, Cks1b, Trim25, Strbp, Ets1, Rasa3, Cldn12, Casp8, Junb, Etv6, Amd1, Slc43a1, Dapp1, Cctf, Tcerg1, Rest, Nrp1, Ube2e3, Tgif2, Nasp, Egfl7, Foxp1, Dnaj2, Cnnm4, Pdap1, Lif, Rbbp7, Ruvbl1, Actr3, Tial1, Ppif, Sdpr, Egr3, Slc9a3r1, Ptk7, Egr1, Etv5, Tll1, Elk3, Dhx15, Dck, Safb, Tpm3, Etf1, Ctsw, Cd2ap, Kpnb1, Clspn, Usp3, Pgm1, Sh3kbp1, Rbbp4, Hmga1, Slc25a5, Cxdr, Arf6, Enpp1, Adamts7, Fosl1, Pprc1, Rnf138, Timp1, Tnks2, Pkn3, Ipo7, Bub1b, Bzw2, Dusp4, Epc2, Psp1, Tpp2, Myct1, Dnmt1, Ss18
V\$MYC_MAX_B	35(1239)	5,29E-16	Trib1, Pdgfb, Sox4, Eps8, Hnrpd1, Elov6, Sox12, Nutf2, Stmn1, Tgif2, Rbbp7, Ilf3, Rcl1, Snx5, Egr3, Ptk7, Hn1, Etf1, Kpnb1, Ewsr1, Hmga1, Slc25a5, Arf6, Ipo7, Npm1, Jub, Bzw2, Lrp8, Ranbp1, Wee1, Ivns1abp, Ncl, Soc3, Cct5, Ythdf2
V\$GABP_B	60(1239)	1,55E-14	Taf5, Hyal2, Sf3a1, Syncrip, Ncam1, Suv39h1, Cks1b, Tfrc, Cldn12, Soc3, Junb, Nup155, Ptpn2, Mtmr4, Amd1, Taf5l, Rnps1, Fmr1, Egr2, Nufip1, Ssr4, Elov6, Dapp1, U2af2, Cbfb, Phf6, Sgol2, Elf2s1, Dusp5, Tgif2, Nasp, Chuk, Rpa2, Foxp1, Pogz, Trip13, Hat1, Nme1, Supt16h, Rfc4, Spry2, Slc9a3r1, Etv5, Elk3, Hspa8, Bclaf1, Ptpn12, Etf1, Smu1, Ebna1bp2, Rnmt, Hmga1, Cct7, Wdhd1, Hirip3, Ranbp1, Dnmt1, Pigf, Erh, Cdc5l
V\$SOX9_B1	46(1239)	7,23E-14	Ank3, Hyal2, Ncam1, Top2a, Elavl1, G3bp2, Tnp1, Ets1, Sox4, Rrm2, Sox4, Rrm2, Stmn1, Snapc3, Nasp, Dnaj2, Top1, Cnn3, Zic1, Dlx1, Pank1, Smarca5, Ptpn12, Hn1, Tpm3, Zcchc8, Cdc27, Rbbp4, Dusp6, Ilf2, Tcf4, Marcks, Bcl2l11, Slit2, Cdk2, Cdca7, Hmgn1, Psp1, Ranbp1, Wee1, Myct1, Fen1, Pak1, Bnc2, Hmg1, Erh
V\$USF_C	33(1239)	4,11E-13	Hyal2, Lyrar, Fbl, Set, Mthfd1, Eno3, Ppat, Mat2a, Stmn1, Soc3, Snx5, Hspe1, Tial1, Gprc5c, Runx2, Suclg2, Tll1, Pla2g4a, Sdc1, Sh3kbp1, Arf6, Sirt1, Rpl13a, Npm1, Nudc, Lrp8, Exosc2, Eef1e1, Slc9a5, Wee1, Ivns1abp, Satb2, Etv4
V\$MYC_MAX_Q2	32(1239)	4,56E-13	Cdkn2c, Notch1, Syncrip, H2afz, Fbl, Mthfd1, Nolz1, Hnrpd1, Cbx5, Sox12, Bach1, Mat2a, Tgif2, Cirh1a, Rcl1, Top1, Runx2, Umps, Ptk7, Adss, Dlx1, Xpo1, Galnt4, Arf6, Pprc1, Tcf4, Npm1, Cdk2, Ivns1abp, Fkbp5, Satb2, Usp34
V\$E12_Q6	119(1239)	1,32E-12	Gpr126, Cdkn2c, Ank3, Ltbp1, Hyal2, Syncrip, Ncam1, Trib1, Crf1, Neto2, Pdgfb, H2afz, Chd2, Tfrc, Usp1, G3bp2, Acly, Asxl1, Stag1, Sema4b, Sox4, F2r1, Eps8, Mtmr4, Amd1, Dusp9, Slc43a1, Gli2, Phc2, Sox12, Axl, Phf6, Lrig1, Eno3, Crim1, Syne2, Sin3a, Rbl1, Dusp5, Tgif2, Pcm1, Sms, Usp37, Nup88, Rangap1, Tead2, Gata2, Lif, Rbbp7, Uchl5, Soc3, Nck2, Asf1b, Pou2f1, Spred1, Slc5a3, Fgf7, Sdpr, Spry2, Slc9a3r1, Plk4, Elk3, Igsf3, Tdrkh, Acaa2, Il13ra1, Hn1, Skp2, Runx1, Tpm3, Rasal2, Cd2ap, Sdc1, Mcm7, Hmga1, Slc25a5, Hdac2, Cxdr, Arf6, Sirt1, Dusp6, Nedd4l, Fosl1, Ezh2, Tnks2, Myc, H2afy, Abl2, Jub, Ets2, Bzw2, Swap70, Dusp4, Slit2, Cdk2, Colec12, Gprc5b, Nrf1, Ell, Lbr, Psp1, Nrp2, Srpk1, Pafah1b3, Pabpn1, Ivns1abp, Dock5, Fkbp5, Pak1, Bnc2, Bcl2, Fbxo32, Ktn1, Spred2, Etv4, Soc3, Mrpl50, Ythdf2, Ahcy1
V\$EGR1_Q1	31(1239)	1,67E-12	Cdkn2c, Gphn, Sf1, Hyal2, Trib1, Pdgfb, Usp1, Sertad1, Hnrpd1, Cctf, Sox12, Tbx3, Fus, Cnnm4, Nab2, Soc3, Spred1, Matr3, Egr3, Adss, Egr1, Smarca5, Runx1, Sh3kbp1, Hmga1, Ell, Hmgn1, Prpf3, Smyd5, Etv4, Tpbg
V\$NFMUE1_Q6	29(1239)	2,76E-12	Sf1, Chd2, Stag1, Ptpb2, Cbx5, Rest, Sfpq, Hmg3, Nasp, Rpa2, Rbm12, Rif1, Eif5, Pou2f1, Suv39h2, Rpl30, Bclaf1, Dhx15, Cpsf2, Pprc1, Tnks2, Pcf11, Tcf4, Ppp1cc, Prps1, Pabpn1, Smyd5, Erh, Ccne1
V\$NMYC_Q1	31(1239)	2,88E-12	Hyal2, Fbl, Mthfd1, Slc43a1, Elov6, U2af2, Sox12, Ppat, Lmnb1, Soc3, Rcl1, Hspe1, Ctbp2, Tial1, Top1, Runx2, Adss, Prdx4, Dlx1, Pla2g4a, Sh3kbp1, Arf6, Rpl13a, Npm1, Dusp4, Slc9a5, Wee1, Fkbp5, Bcl2, Hspd1, Usp34
V\$HSF_Q6	32(1239)	4,18E-12	Gphn, Cct3, Ank3, Ltbp1, Cks1b, Ahsa1, Phf6, Nutf2, Mat2a, Ube2e3, Sin3a, Lmnb1, H2afy2, Cct8, Foxp1, Rangap1, Hspe1, Luc7l, Egr3, Stip1, Gemin4, Cbx3, Ppid, Tll1, Hspa8, Xpo1, Cct7, Lrp8, Lrrk1, Dnaj1, Six4, Hspd1
V\$NFAT_Q4_Q1	98(1239)	5,28E-12	Ankrd28, Ltbp1, Hyal2, Syncrip, Pdgfb, Tinf2, Chd2, Impa2, Fbl, Cks1b, Trim25, Vegfc, Unc5c, Tnp1, Acly, Stag1, Rcor1, Ets1, Nup155, Klf5, Amd1, Fmr1, Egr2, Slc43a1, Mrps6, Exo1, Smarce1, Phf6, Vrk1, Rest, Tbx3, Stmn1, Syne2, Sfpq, Kif21a, Tgif2, Pdk3, Whsc1, Foxp1, Nab2, Aebp2, Lif, Stoml2, Rbbp7, Pogz, Spred1, Slc5a3, Fgf7, Supt16h, Iqgap3, Asph, Spry2, Stip1, Slc9a3r1, Ptk7, Zic1, Etv5, Tll1, Racgap1, Elk3, Igsf3, Dlx1, Xpo1, Nav3, Skp2, Runx1, Tpm3, Rasal2, Yme111, Ebna1bp2, Ebf2, Cyp26b1, Rab8b, Sh3kbp1, Enpp1, Sox11, Nedd4l, Pcf11, Tcf4, Has2, Jub, Plxnb1, Ets2, Nono, Bzw2, Spp1, Colec12, Dnaj1, Psp1, Gpsm2, Hmga2, Anp32e, Bnc2, Pigf, Satb2, Ncl, Trit1, Cdc5l
V\$E4F1_Q6	51(1239)	1,35E-11	Sf1, Ltbp1, Prpf4, Trib1, Tfrc, G3bp2, Stag1, Ddx51, Junb, Ell2, Nolz1, Dhx36, Amd1, Egr2, Nufip1, Ssr4, Cctf, Smarce1, Dusp5, Chuk, Sms, Sec63, Nab2, Mastl, Rbbp7, Rbbp8, Rfc4, Egr3, Umps, Plk4, Egr1, Cbx3, Soat1, Wsb1, Smarca5, Etf1, Yme111, Cd2ap, Cxdr, Rpl13a, Tnks2, Lrp8, Bcl2l11, Dusp4, Rad51c, Ubqln2, Dnaj1, Slc9a5, Dnajc9, Hmg1, Satb2
V\$EGR2_Q1	25(1239)	2,20E-11	Cdkn2c, Syncrip, Pdgfb, Sox4, Klf5, Sertad1, Hnrpd1, Cx3c1, Sin3a, H2afy2, Fus, Usp37, Nab2, Mastl, Egr3, Egr1, Smarca5, Sumo2, Runx1, Yme111, Nup107, Sirt1, Colec12, Smyd5, Etv4
V\$AP4_Q5	82(1239)	2,93E-11	Cdkn2c, Ltbp1, Hyal2, Notch1, Mycn, Pdgfb, H2afz, Ccne2, Usp1, Set, Rrad, Ets1, Sox4, Klf5, Mtmr4, Hnrpd1, Egr2, Eif4enif1, Ghr, Mrps6, Slc43a3, Idh2, Sox12, Slc25a24, Eno3, Nutf2, Bach1, Ppat, Tbx3, Eif2s1, Tgif2, Foxp1, Tnnt2, Tead2, Pdap1, Stoml2, Rbbp7, Mybl2, Cdca3, Denr, Spred1, Luc7l, Fgf7, Supt16h, Pde1a, Sdpr, Ptk7, Suv39h2, Egr1, Etv5, Pvr13, Dlx1, Smarca5, Nav3, Sumo2, Hn1, Fbxo5, Runx1, Tpm3, Etf1, Ebna1bp2, Usp3, Nedd4l, Col7a1, Myc, Pcf11, Tcf4, Dusp4, Lrrk1, Cdk2, Colec12, Dnaj1, Ell, Klhd2, Psp1, Nrp2, Hmga2, Bnc2, Erh, Bcl7a, Ythdf2, Trit1
V\$FREAC2_Q1	61(1239)	3,33E-11	Lifr, Ankrd28, Bub1, Trib1, Kif20a, Brd8, Pdgfb, Chd2, Ets1, Junb, Map4k5, Taf5l, Fmr1, Elov6, Dapp1, Xpo7, Cctf, Sox12, Axl, Csnk1g3, Rad21, Sin3a, Kif21a, Impdh2, Stoml2, Zfp3612, Chd1, Pik3c2a, Pou2f1, Rcl1, Gprc5c, Pde1a, Etv5, Elk3, Dlx1, Pank1, Runx1, Nfrkb, Cd2ap, Usp3, Mcm7, Slc25a5, Myc, Pcf11, Tcf4, Marcks, Mpp6, Dusp4, Colec12, Klhd2, Bub3, Wee1, Tpp2, Metap2, Fen1, Dock5, Pak1, Bnc2, Satb2, Fhl2, Usp34
V\$MAX_Q1	28(1239)	1,28E-10	Notch1, Syncrip, Nfx1, Tfrc, Mthfd1, Cbx5, Tcerg1, Mat2a, Stmn1, Ilf3, Rcl1, Snx5, Top1, Supt16h, Runx2, Topors, Adss, Suclg2, Xpo1, Hmga1, Sirt1, Pprc1, Tcf4, Npm1, Eme1, Nudc, Prps1, Fen1
V\$PAX3_B	25(1239)	2,05E-10	Ltbp1, Trib1, Junb, Dhx36, Egr2, Cctf, Smarce1, Baz1a, Tbx3, Nab2, Mastl, Rbbp8, Supt16h, Egr3, Egr1, Soat1, Wsb1, Xpo1, Smarca5, Yme111, Ipo7, Bzw2, Lrp8, Rad51c, Hmgn1
V\$EGR_Q6	29(1239)	2,79E-10	Gphn, Hyal2, Pdgfb, Arpc5, Unc5c, Sertad1, Egr2, Prx, Cctf, Tgif2, Sec63, Cnnm4, Nr2f2, Matr3, Adss, Egr1, Smarca5, Il13ra1, Rasal2, Kpnb1, Sh3kbp1, Hmga1, Pprc1, Bcl2l11, Slc9a5, Anp32e, Prpf3, Six4, Ythdf2

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$MYCMAX_03	27(1239)	3,36E-10	Cdkn2c, Syncrip, Trib1, Nfx1, Arpc5, Hnrnpa3, Fmr1, Cbx5, Mat2a, Stmn1, Tgif2, Mcm2, Shmt1, Socs5, Ilf3, Snx5, Topors, Zic1, Adss, Xpo1, Rbbp4, Sirt1, Pprc1, Rpl13a, Npm1, Eme1, Prps1
V\$CEBPB_02	30(1239)	5,36E-10	Ckap4, Syncrip, Trib1, Pdgfb, H2afz, Chd2, Acly, Nek6, Etv6, Klf5, Baz1a, Stmn1, Foxp1, Pdap1, Spred1, Top1, Sdpr, Dlx1, Pla2g4a, Atad2, Ptpn12, Rasal2, Arf6, Pcf11, Mpp6, Dyrk3, Nrp2, Srpk1, Bnc2, Ruvbl2
V\$NF1_Q6	56(1239)	9,88E-10	Cdkn2c, Lifr, Ckap4, Ankrd28, Syncrip, Ncam1, G3bp2, Rrad, Stag1, Sox4, Mtap, Map4k5, Dlg3, Egr2, Eif4enif1, Ghr, Idh2, Eno3, Mat2a, Tslp, Kif21a, Tgif2, Cdh10, Pou2f1, Slc5a3, Supt16h, Pde1a, Sdpr, Slc9a3r1, Ptk7, Etv5, Nfyb, Dlx1, Nav3, Runx1, Tpm3, Ith2, Ebf2, Rab8b, Rbbp4, Pum2, Nxf1, Tcf4, Plxnb1, Bzw2, Dusp4, Exosc2, Lrrk1, Colec12, Ranbp1, Nrp2, Hmga2, Pabpn1, Ivns1abp, Bnc2, Etv4
V\$WHN_B	26(1239)	2,20E-09	Taf5, Prpf4, Trib1, H2afz, Arpc5, Zbtb12, Junb, Nolz1, Mtmr4, Amd1, Elov6, Cctf, Tbx3, Uchl5, Ssb, Hspe1, Top1, Supt16h, Egr3, Spry2, Gjc1, Cxadr, Arid4b, Hspa14, Hspd1, Ythdf2
V\$HSF1_01	37(1239)	2,23E-09	Cct3, Ankrd28, Trib1, Neto2, H2afz, Chd2, Fancs, Nek6, Cct2, Eif4enif1, Mrps6, Dapp1, Phf6, Baz1a, Mat2a, Cct8, Cdh10, Eif5, Socs5, Chd1, Hspe1, Elf2, Egr3, Stip1, Cbx3, Ppid, Elk3, Hspa8, Xpo1, Kntc1, Pkn3, Dnaja1, Nrf1, Bnc2, Six4, Hspd1, Usp34
V\$MYOD_Q6	58(1239)	7,34E-09	Gphn, Hyal2, Notch1, Ncam1, Trib1, Crlf1, Pdgfb, H2afz, Ccne2, Rrad, Mum1, Hnrpd1, Fmr1, Egr2, Eif4enif1, Mrps6, Slc43a3, Idh2, Xpo7, Eno3, Tgif2, Pcm1, Nup88, Cdh10, Tead2, Gata2, Pdap1, Rbbp7, Pou2f1, Nr2f2, Supt16h, Pde1a, Tdrkh, Xpo1, Smarca5, Hn1, Runx1, Etf1, Cd2ap, Hmga1, Slc25a5, Nedd4l, Col7a1, Ezh2, Tnks2, Myc, Pcf11, Abl2, Dusp4, Slit2, Nrf1, Psp1, Myct1, Bnc2, Bcl7a, Fbxo32, Ythdf2, Trit1
V\$ERR1_Q2	61(1239)	1,38E-08	Lifr, Ankrd28, Ank3, Metap1, Elavl1, Chd2, Tfrc, Nek2, Asxl1, Fancd2, Sox4, Apex2, Socs4, Etv6, Map4k5, Prkg2, Pim3, Ssr4, Nipsnap1, Sox12, Phf6, Idh3a, Eno3, Tcerg1, Nrp1, Cx3cl1, Stmn1, Tomm70a, Hmgb3, Usp37, Dnaja2, Fbln1, Pkg1, Hspe1, Fgf7, Pde1a, Slc9a3r1, Dgcr8, Dlx1, Pank1, Atad2, Smarca5, Eef1g, Tpm3, Usp3, Kin, Slc25a5, Arf6, Rnf2, Bub1b, Bzw2, Mpp6, Epc2, Ppp1cc, Psp1, Ranbp1, Bnc2, Ccne1, Hspd1, Ythdf2, Ahcy1
V\$TFIIA_Q6	26(1239)	2,18E-08	Ckap4, Hyal2, Syncrip, Trib1, Elavl1, H2afz, Unc5c, Ppil5, Etv6, Trim28, Axl, Nup54, Eif5, Luc7l, Egr1, Ier2, Gjc1, Mcm7, Rbbp4, Pcf11, Prps1, Pabpn1, Myct1, Fhl2, Bcl7a, Ktn1
V\$HIF1_Q3	23(1239)	2,21E-08	Ltbp1, Hyal2, Pdgfb, Tfrc, Lig1, Elov6, Stmn1, Pdk3, Usp37, Pkg1, Nr2f2, Snx5, Tial1, Tll1, Prdx4, Hmga1, Pprc1, Lrp8, Bcl2l11, Nrf1, Bcl2, Ruvbl2, Ktn1
V\$ZF5_01	24(1239)	3,45E-08	Elavl1, Junb, Cctf, Phc2, Nutf2, Stmn1, Aebp2, Nr2f2, Spred1, Gprc5c, Mplz1, Sumo2, Kpnb1, Rbbp4, Fosl1, Jub, Lrp8, Kif2c, Ppp1cc, Tpp2, Pak1, Ccne1, Bcl7a, Ythdf2
V\$USF_01	24(1239)	3,81E-08	Nfx1, Arpc5, Tfrc, Set, Hnrnpa3, Fmr1, U2af2, Stmn1, Mcm2, Sgol1, Ilf3, Snx5, Topors, Apex1, Xpo1, Rbbp4, Sirt1, Rpl13a, Npm1, Eme1, Nudc, Ranbp1, Prps1, Fen1
V\$HOXA4_Q2	25(1239)	5,37E-08	Ltbp1, Syncrip, Apex2, Etv6, Klf5, Amd1, Phc2, H2afz, Nup54, Nrp1, Syne2, Dnaja2, Stoml2, Zfp36l2, Pogz, Actr3, Pou2f1, Cnn3, Zic1, Elk3, Dlx1, Dusp6, Nxf1, Slc9a5, Hmga2
V\$NFY_01	23(1239)	1,11E-07	Ncam1, Nek2, Junb, Dlg3, Sgol2, Stmn1, Cit, Ing5, Zfp36l2, Cdc25a, Cnn3, Etv5, Racgap1, Dlx1, Xpo1, Tacc3, Plk1, Dusp6, Pcf11, Lrp8, Hmga2, Kif23, Cks2
V\$EGR3_01	13(1239)	1,11E-07	Cdkn2c, Pdgfb, Klf5, Hnrpd1, Fus, Mastl, Egr3, Egr1, Yme1l1, Sirt1, Ranbp1, Smyd5, Etv4
V\$NFY_Q6	23(1239)	1,34E-07	Bub1, Suv39h1, Top2a, Nek2, Sertad1, Dlg3, Msh2, Cit, Nup37, Ctbp2, Spry2, Racgap1, Slc4a7, Dlx1, Cenpf, Atrx, Hmgb2, Lrp8, Hmga2, Gart, Cks2, Six4, Ttk
V\$PAX4_03	68(1239)	1,47E-07	Abi1, Hyal2, Syncrip, Crlf1, Pdgfb, Cks1b, Rrad, Stag1, Klf5, Ddx31, Dlg3, Prkar2b, Eif4enif1, Elov6, Ccna2, Xpo7, Cctf, Cbfb, Axl, Slc25a24, Crim1, H2afz, Tbx3, Stmn1, Rasa1, Rbl1, Dusp5, Pdk3, Cdca2, Nab2, Impdh2, Tead2, Lif, Pogz, Pou2f1, Luc7l, Supt16h, Egr3, Fmn3, Spry2, Ptk7, Cbx3, Etv5, Elk3, Igsf3, Dlx1, Dhx15, Ptpn12, Fbxo5, Eef1g, Kntc1, Tpm3, Rasal2, Kpnb1, Cyp26b1, Hmga1, Nedd4l, Pcf11, Tcf4, Dpf1, H2afy, Jub, Gnb4, Gspt1, Slc9a5, Pak1, Six4, Ythdf2
V\$ZIC3_01	24(1239)	1,79E-07	Mycn, Syncrip, Fancd2, Etv6, Ghr, Prx, Phf6, Foxp1, Rbm12, Pou2f1, Gprc5c, Gemin4, Ptk7, Nfyb, Safb, Nfrkb, Rasal2, Cyp26b1, Pprc1, Col7a1, Has2, Lrp8, Six4, Litaf
V\$ALPHACP1_01	23(1239)	1,99E-07	Sf1, Usp1, Nek2, Sertad1, Dlg3, Cdh10, Cdca3, Fgf7, Ccng2, Spry2, Xpo1, Pank1, Ebf2, Dusp6, Ilf2, Pcf11, Ube2c, PcnA, Mre11a, Lrp8, Gart, Aspm, Cks2
V\$SREBP1_01	35(1239)	2,10E-07	Pdgfb, Chd2, Arpc5, Set, Stag1, Hnrnpa3, Dlg3, Fmr1, Cctf, U2af2, Stmn1, Eif2s1, Smndc1, Mcm2, Pcm1, Foxp1, Ilf3, Supt16h, Topors, Apex1, Dlx1, Xpo1, Rbbp4, Sirt1, Atrx, Has2, H2afy, Eme1, Swap70, Cdk2, Blm, Fen1, Bcl7a, Fbxo32, Ahcy1
V\$PAX_Q6	24(1239)	2,32E-07	Taf5, Trib1, Crlf1, Metap1, Chd2, Etv6, Amd1, Dlg3, Mrps6, Rcl1, Luc7l, Egr3, Spry2, Stip1, Ptk7, Etv5, Ppid, Runx1, Tpm3, Ube2c, Eme1, Lrrk1, Gnb4, Nrp2
V\$NFY_C	22(1239)	2,61E-07	Uhrf1, Rbm14, Ncam1, Kif20a, Brd8, Dlg3, Cbx5, Baz1a, Tcerg1, Rpa2, Esp1, Cdc25a, Etv5, Racgap1, Ube2c, Sptc25, Lrp8, Tpp2, Kif23, Cks2, Satb2, Mrpl50
V\$TEL2_Q6	21(1239)	2,78E-07	Taf5, Hyal2, Chd2, Cks1b, Casp8, Junb, Amd1, Rnps1, Dapp1, U2af2, Snrpb, Tgif2, Nasp, Slc9a3r1, Ctsw, Usp3, Hmga1, Slc25a5, Hirip3, Erh, Ppil1
V\$ARNT_01	23(1239)	2,82E-07	Syncrip, Pdgfb, Cbx5, Tcerg1, Ppat, Stmn1, Shmt1, Ilf3, Rcl1, Snx5, Adss, Xpo1, Arf6, Sirt1, Pprc1, Rpl13a, Npm1, Eme1, Nudc, Prps1, Pabpn1, Hspd1, Etv4
V\$NGFIC_01	22(1239)	3,87E-07	Cdkn2c, Hyal2, Syncrip, Trib1, Pdgfb, G3bp2, Sertad1, Hnrpd1, Cx3cl1, Sin3a, Fus, Cnnm4, Matr3, Egr3, Adss, Egr1, Sumo2, Etf1, Sh3kbp1, Slc25a5, Prpf3, Smyd5
V\$CEBP_Q2_01	24(1239)	4,76E-07	Syncrip, Trib1, Chd2, Etv6, Klf5, Crim1, Stmn1, Egfr, Foxp1, Spred1, Sdpr, Etv5, Dlx1, Pla2g4a, Atad2, Ebf2, Arf6, Mpp6, Dyrk3, Nrp2, Wee1, Bnc2, Ruvbl2, Usp34
V\$USF_Q6	22(1239)	5,18E-07	Trib1, Nfx1, Dusp9, Egr2, Tcerg1, Stmn1, Sgol1, Socs5, Hspe1, Ctbp2, Supt16h, Prdx4, Ewsr1, Arf6, Sirt1, Ipo7, Npm1, Eme1, Hmgn1, Ranbp1, Wee1, Prps1
V\$SRF_Q4	24(1239)	5,60E-07	Chd2, G3bp2, Junb, Taf5, Egr2, H2afz, Cx3cl1, Dusp5, Foxp1, Rbbp7, Nr2f2, Sdpr, Egr3, Asph, Egr1, Ier2, Tpm3, Dusp6, Atrx, Tcf4, Ube2c, Anp32e, Bnc2, Myo1b
V\$GF1_01	33(1239)	6,30E-07	Ncam1, Ets1, Sox4, Mtmr4, Phc2, Crim1, Stmn1, Rangap1, Lif, Pogz, Pou2f1, Nr2f2, Top1, Fgf7, Ccng2, Sdpr, Gemin4, Zic1, Pvr13, Dgcr8, Slc4a7, Pank1, Ebf2, Hmga1, Mapk8, Atrx, Tcf4, Colec12, Cdca7, Nrp2, Bnc2, Fbxo32, Tpbg
V\$YY1_01	22(1239)	8,31E-07	Syncrip, Chd2, Stag1, Map4k5, Dlg3, Egr2, Cctf, Phf6, Fus, Cdh10, Matr3, Egr3, Dlx1, Tpm3, Rab8b, Cxadr, Pcf11, Tcf4, Plxnb1, Hmgb2, Gtf3c2, Bnc2
V\$STAT1_02	21(1239)	8,47E-07	Cks1b, Set, Sema4b, Sox4, Tcerg1, Nasp, Dnaja2, Pogz, Hspe1, Cbx3, Dlx1, Bclaf1, Skp2, Rab8b, Pcf11, Jub, Gspt1, Pabpn1, Hspd1, Csnk1a1, Mrpl50

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$AHRARNT_01	16(1239)	1,08E-06	Pdgfb, H2afz, Cks1b, Usp1, Sox4, Ghr, Rbbp7, Egr3, Soat1, Wsb1, Elk3, Runx1, Cyp26b1, Pprc1, Tnks2, Jub
V\$SPZ1_01	22(1239)	1,09E-06	Hyal2, Syncrip, Snrpd1, Xpo7, Cctf, Rbm12, Nab2, Ilf3, Pou2f1, Nr2f2, Xpo1, Sumo2, Tpm3, Kpnb1, Hmga1, Pcf11, Cknk2, Ranbp1, Bcl7a, Six4, Ythdf2, Smarcc1
V\$SRF_C	21(1239)	1,12E-06	Ltbp1, Syncrip, G3bp2, Junb, Egr2, Dusp5, Foxp1, Rbbp7, Actr3, Nr2f2, Top1, Matr3, Egr3, Egr1, Ier2, Tpm3, Rrm1, Dusp6, Fos1, Fhl2, Myo1b
V\$HNF4_DR1_Q3	22(1239)	1,28E-06	Ckap4, Asxl1, Zbtb12, Mtmr4, Eno3, Tomm70a, Usp37, Dnaja2, Fbln1, Shmt1, Hspe1, Egr3, Timeless, Net1, Gtf3c2, Gprc5b, Pabpn1, Fkbp5, Ss18, Smyd5, Hspd1, Ahcyl1
V\$AREB6_04	22(1239)	1,39E-06	Cdkn2c, Ltbp1, Sox4, Junb, Klf5, Elovl6, Gemin4, Xpo1, Nav3, Itih2, Ebf2, Arf6, H2afv, Sox11, Dusp6, Pcf11, Tcf4, Swap70, Gnb4, Gart, Chst1, Hmgb1
V\$TEF1_Q6	33(1239)	1,50E-06	Cdkn2c, Lifr, Ank3, Rbm14, Crlf1, Cks1b, Asxl1, Dlg3, Egr2, Prx, Rest, Sin3a, Tgif2, Tnnt2, Pogz, Acsl3, Cdca3, Spred1, Tial1, Gprc5c, Pde1a, Slc9a3r1, Cnn3, Zic1, Rasal2, Hmga1, Rnf2, Jub, Plxn1, Hmgb2, Swap70, Cdk2, Six4
V\$YY1_02	20(1239)	1,51E-06	Cdkn2c, Ptbp2, Cctf, Rad21, Nasp, Rif1, Pou2f1, Rpl30, Wsb1, Hspa8, Ier2, Dhx15, Upf3b, Tnks2, Pcf11, Tcf4, Mrpl1, Gtf3c2, Smyd5, Erh
V\$GATA1_01	21(1239)	1,58E-06	Ank3, Syncrip, Crlf1, Suv39h1, Aclt, Msh2, Cctf, Sox12, Nab2, Aebp2, Pou2f1, Supt16h, Ptk7, Zic1, Plk4, Dhx15, Rasal2, Kpnb1, Cdc27, Bnc2, Hspa14
V\$USF2_Q6	21(1239)	1,72E-06	Cdkn2c, Arpc5, Slc43a1, Cbx5, Stmn1, Ctbp2, Tial1, Adss, Pla2g4a, Ebna1bp2, Rbbp4, Net1, Sirt1, Fos1, Pprc1, Ipo7, Nudc, Lrp8, Wee1, Ivns1abp, Fen1
V\$ARNT_02	21(1239)	1,86E-06	Cdkn2c, Notch1, Syncrip, Nfx1, H2afz, Arpc5, Slc43a1, Cbx5, U2af2, Stmn1, Tgif2, Smndc1, Topors, Zic1, Apex1, Rbbp4, Hmga1, Sirt1, Eme1, Fen1, Ncl
V\$SP1_Q4_01	21(1239)	1,86E-06	Hyal2, Ptpn2, Hnrpd1, Sox12, Smarce1, Trim28, Stmn1, Fus, Nasp, Tead2, Rbbp7, Cdc25a, Ptk7, Smarca5, Timeless, Cyp26b1, Sh3kbp1, Tcf4, Jub, Swap70, Slbp
V\$NERF_Q2	21(1239)	2,23E-06	Hyal2, Chd2, Tfrc, Junb, Slc43a1, Nrp1, Rasa1, Tgif2, Rbbp7, Uchl5, Cdca3, Actr3, Egr3, Topors, Elk3, Hn1, Hmga1, Fos1, Ranbp1, Tpp2, Spred2
V\$HNF4ALPHA_Q6	22(1239)	2,67E-06	Pdgfb, Lgl1, Zbtb12, Nek6, Nutf2, Schip1, Nrp1, Usp37, Dnaja2, Stoml2, Nr2f2, Tial1, Hat1, Supt16h, Timeless, Fos1, Prpf4b, Gtf3c2, Gart, Pabpn1, Fkbp5, Smyd5
V\$TATA_01	63(1239)	2,73E-06	Cdkn2c, Ank3, Pdgfb, Top2a, H2afz, Chd2, Ppil5, Rcor1, Sema4b, Junb, Prkg2, Egr2, Mbtps2, Cctf, Schip1, Bach1, Tbx3, Mat2a, Tslp, Cx3cl1, Syne2, Hist1h2ae, Nasp, Egfl7, Whsc1, Foxp1, Rbm12, Impdh2, Lif, Zfp3612, Actr3, Pou2f1, Nr2f2, Snx5, Luc7l, Runx2, Ankrd32, Tes, Etv5, Dlx1, Pank1, Nav3, Ppbb, Hn1, Tpm3, Rasal2, Ebf2, Cyp26b1, Pum2, Mapk8, Arf6, Myc, Pcf11, Tcf4, Tmpo, Bzw2, Slc9a5, Nrp2, Myct1, Ect2, Bnc2, Satb2, Fhl2
V\$CEBP_Q2	20(1239)	3,08E-06	Pdgfb, Suv39h1, Chd2, Stag1, Osmr, Foxp1, Pdap1, Nr2f2, Spred1, Pla2g4a, Atad2, Ptpn12, Skp2, Rasal2, Kin, Arf6, Tcf4, Mpp6, Nrp2, Ruvbl2
V\$PU1_Q6	36(1239)	4,09E-06	Abi1, Ankrd28, Ncam1, Csf1, Chd2, Etv6, Hnrnpa3, Elovl6, Rest, Nrp1, Cx3cl1, Pold3, Sms, Lif, Trip13, Pou2f1, Ctbp2, Luc7l, Slc9a3r1, Ptk7, Tll1, Pla2g4a, Galnt4, Tpm3, Etf1, Timeless, Rab8b, Pprc1, Cct7, Tmpo, Ppp1cc, Psp1, Bnc2, Bcl2, Spred2, Cdc5l
V\$CREBP1CJUN_01	21(1239)	4,46E-06	Ltbp1, Syncrip, Ncam1, Elavl1, Slc38a1, G3bp2, Stag1, Ddx51, Ell2, Etv6, Dhx36, Ccna2, Cenpe, Tgif2, Umps, Suv39h2, Egr1, Yme111, Cd2ap, Rad51c, Gnb4
V\$COUP_DR1_Q6	20(1239)	5,32E-06	Cks1b, Slc11a2, Asxl1, Apex2, Zbtb12, Eno3, Rest, Tomm70a, Usp37, Dnaja2, Fbln1, Stoml2, Nr2f2, Hspe1, Clspn, Arf6, Ss18, Smyd5, Hspd1, Ahcyl1
V\$HNF3ALPHA_Q6	19(1239)	5,67E-06	Abi1, Trib1, Chd2, Taf5l, Egr2, Foxp1, Stoml2, Pogz, Pik3c2a, Luc7l, Nav3, Ebf2, Pum2, H2afv, Dusp6, H2afy, Bub3, Pafah1b3, Tpp2
V\$SRF_Q6	22(1239)	5,86E-06	Syncrip, G3bp2, Junb, Egr2, H2afx, Cx3cl1, Sin3a, Dusp5, Foxp1, Rbbp7, Actr3, Nr2f2, Sdpr, Matr3, Egr3, Asph, Tes, Egr1, Acaa2, Tpm3, Rrm1, Fos1
V\$LEF1_Q6	22(1239)	5,86E-06	Lifr, Ankrd28, Uhrf1, Syncrip, Chd2, Khdrbs1, Etv6, Baz1a, Tgif2, Mpzl1, Elk3, Ebf2, Sdc1, Dhx9, Sox11, Lrp8, Nrp2, Wee1, Ivns1abp, Pak1, Six4, Smarcc1
V\$MEIS1_01	45(1239)	6,15E-06	Taf5, Cdkn2c, Gphn, Ckap4, Ncam1, H2afz, Chd2, Arpc5, Tnpo1, Ets1, Sox4, Klf5, Eif4enif1, Xpo7, Phc2, Vrk1, Baz1a, Nrp1, Tgif2, Spred1, Tial1, Top1, Vil1, Pde1a, Elk3, Xpo1, Nav3, Fbxo5, Runx1, Nfrkb, Sirt1, Cct7, Nxf1, Col7a1, Myc, Pcf11, Dpf1, Abl2, Gnb4, Nrf1, Psp1, Pabpn1, Dnmt1, Ss18, Bnc2
V\$SP1_Q6_01	19(1239)	6,62E-06	Klf5, Ptpn2, Smarce1, Trim28, Idh3a, Stmn1, Cnnm4, Tead2, Shmt1, Suv39h2, Adss, Nfyb, Timeless, Cyp26b1, Net1, Tcf4, Jub, Ell, Ktn1
V\$HIF1_Q5	20(1239)	7,94E-06	Ltbp1, Hyal2, Psm5, Pdgfb, Lig1, Elovl6, Stmn1, Pdk3, Snx5, Tial1, Prdx4, Kpnb1, Hmga1, Lrp8, Bcl2l11, Nrf1, Slc9a5, Wee1, Bcl2, Ktn1
V\$CREB_Q4	20(1239)	8,60E-06	Ltbp1, Trib1, Elavl1, Slc38a1, G3bp2, Fancd2, Ddx51, Socs4, Dhx36, Cctf, Tgif2, Rbbp8, Egr3, Plk4, Cbx3, Cd2ap, Wdh1, Ubqln2, Dnajc9, Pak1
V\$AP2_Q6	20(1239)	9,31E-06	Mmd, Crf1, Pdgfb, Cctf, Sox12, Trim28, Rasa1, Pold3, Cnnm4, Tead2, Gata2, Cdc25a, Pou2f1, Spry2, Rasal2, Sdc1, Sirt1, Nrf1, Exosc8, Bcl2
V\$FOX_Q2	19(1239)	9,32E-06	Ncam1, Junb, Prkar2b, Egr2, Cctf, Crim1, Cdh10, Stoml2, Pogz, Rpl7a, Pik3c2a, Gprc5c, Ebf2, Cyp26b1, Mcm7, H2afv, H2afy, Swap70, Tpp2
V\$AHR_Q5	18(1239)	1,09E-05	Sf1, H2afz, Set, Stag1, Hnrpd1, Usp37, Rbbp7, Pou2f1, Nr2f2, Supt16h, Asph, Prdx4, Runx1, Tnks2, Jub, Bzw2, Nrf1, Slc9a5
V\$ETS1_B	20(1239)	1,09E-05	Hyal2, Pdgfb, Junb, Etv6, Amd1, Elovl6, Tgif2, Foxp1, Lif, Ruvbl1, Spred1, Luc7l, Nme1, Slc9a3r1, Elk3, Etf1, Hmga1, Fos1, Tpp2, Spred2
V\$AREB6_01	46(1239)	1,25E-05	Cdkn2c, Sf1, Notch1, Ncam1, Trib1, Crf1, Pdgfb, Slc38a1, G3bp2, Rrad, Klf5, Ptpn2, Egr2, Sox12, Nup54, Nrp1, Tgif2, Foxp1, Gata2, Eif5, Stoml2, Socs5, Gprc5c, Egr3, Spry2, Ptk7, Zic1, Etv5, Il13ra1, Hn1, Rbm2, Rrm1, Cyp26b1, Rab8b, Sh3kbp1, Nedd4l, Tnks2, Has2, Bzw2, Ell, Bub3, Hmga2, Chst1, Pafah1b3, Six4, Etv4
V\$HNF3_Q6	43(1239)	1,27E-05	Abi1, Ltbp1, Ncam1, Slc29a1, Asxl1, Sox4, Nek6, Junb, Klf5, Egr2, Prx, Cctf, Cbfb, Ppat, Rad21, Syne2, Egfl7, Foxp1, Cdh10, Stoml2, Pogz, Cdc25a, Pik3c2a, Nr2f2, Luc7l, Gprc5c, Gemin4, Slc9a3r1, Zic1, Tll1, Nav3, Ebf2, Rnmt, Brca1, Cyp26b1, Pum2, H2afv, Dusp6, Tcf4, H2afy, Bzw2, Ell, Pafah1b3
V\$OCT1_02	19(1239)	1,29E-05	Cdkn2c, Ank3, Ltbp1, Ahcy, Arpc5, Rest, Foxp1, Pou2f1, Tial1, Pde1a, Zic1, Dlx1, Runx1, Tcf4, Rnf2, Hmgb2, Bub3, Aspm, Bnc2
V\$OCT1_05	20(1239)	1,35E-05	Ptpn2, Egr2, Rhobtb3, Cnnm4, Pou2f1, Pank4, Nfyb, Elk3, Dlx1, Topbp1, Enpp1, Dusp6, Cdk2, Gprc5b, Cdca7, Nrp2, Bnc2, Hmgb1, Satb2, Bcl2

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$RORA1_01	20(1239)	1,45E-05	Chd2, Rcor1, Socs4, Eno3, Nrp1, Cx3cl1, Nr2f2, Hspe1, Asph, Slc4a7, Tpm3, Arf6, Eme1, Bzw2, Mpp6, Psip1, Chst1, Ivns1abp, Hspd1, Ythdf2
V\$PAX6_01	12(1239)	1,56E-05	Taf5, H2afz, Sox4, Rhobtb3, Baz1a, Stoml2, Slc5a3, Sdpr, Nfyb, Rrm1, Hmga1, Tcf4
V\$STAT1_03	19(1239)	1,62E-05	Sema4b, Sox4, Elovl6, Tcerg1, Sin3a, Dnaja2, Hspe1, Cbx3, Dlx1, Bclaf1, Skp2, Brca1, Rab8b, Pcf11, Jub, Gsp1, Pabpn1, Hspd1, Csnk1a1
V\$FOXO3_01	18(1239)	1,77E-05	Ckap4, Ankrd28, Junb, Egr2, Csnk1g3, Crim1, H2afz, Nrp1, Stoml2, Pogz, Pik3c2a, Etv5, Runx1, Cyp26b1, Cxadr, Has2, Marcks, Bnc2
V\$HFH8_01	18(1239)	1,77E-05	Ankrd28, Asxl1, Egr2, Xpo7, Yes1, Rad21, Kif21a, Impdh2, Pogz, Chd1, Pou2f1, Etv5, Runx1, Cyp26b1, Usp3, Marcks, Bub3, Fhl2
V\$USF_02	20(1239)	1,79E-05	Cdkn2c, Crif1, Nfx1, Mthfd1, Fmr1, Cbx5, Tcerg1, Mat2a, Ilf3, Umps, Topors, Xpo1, Runx1, Sirt1, Npm1, H2afy, Eme1, Nudc, Prps1, Fen1
V\$NFAT_Q6	19(1239)	2,03E-05	Ankrd28, Rbm14, Pdgfb, Ghr, Phf6, Foxp1, Lif, Sgol1, Nr2f2, Tial1, Zic1, Etv5, Tll1, Elk3, Safb, Arf6, Marcks, Anp32e, Bnc2
V\$ATF_01	20(1239)	2,07E-05	Trib1, Elavl1, Ddx51, Dhx36, Egr2, Ssr4, Ccna2, Tgif2, Top1, Egr3, Etf1, Yme11, Cd2ap, Marcks, Dusp4, Cdk2, Gnb4, Gart, Pak1, Spred2
V\$AP1_C	53(1239)	2,17E-05	Cdkn2c, Ankrd28, Ank3, Trib1, Slc38a1, Trim25, Asxl1, Nek6, Klf5, Sertad1, Map4k5, Prx, Gli2, Osmr, Slc25a24, Eno3, Bach1, Ube2e3, Nasp, Pdap1, Stoml2, Rbbp7, Acl3, Spred1, Tial1, Luc7l, Nme1, Vil1, Asph, Etv5, Tll1, Elk3, Igsf3, Dlx1, Runx1, Nfrkb, Ebf2, Ewsr1, Usp3, Hmga1, Fosl1, Col7a1, Tnks2, Pkn3, Ube2c, Ell, Bub3, Nrp2, Chst1, Fkbp5, Csnk1a1, Etv4, Tpbp
V\$CMYB_01	19(1239)	2,18E-05	Rbm14, Pdgfb, Lyar, Snrpd1, Klf5, Hnrnpa3, Stmn1, Aebp2, Pogz, Egr3, Dlx1, Tpm3, Kpn1, Cdc27, Sh3kbp1, Arf6, Ranbp1, Ruvbl2, Etv4
V\$PAX4_04	18(1239)	2,22E-05	Asxl1, Sox4, Foxp1, Cdh10, Impdh2, Stoml2, Pik3c2a, Slc5a3, Supt16h, Pde1a, Sdpr, Timeless, Ebf2, Nedd4l, Tcf4, Marcks, Dusp4, Six4
V\$ETS_Q4	19(1239)	2,31E-05	Hyal2, Pdgfb, Chd2, Strbp, Junb, Amd1, Tcerg1, Nasp, Foxp1, Pdap1, Lif, Actr3, Slc9a3r1, Etv5, Elk3, Etf1, Usp3, Hmga1, Tpp2
V\$CETS1P54_01	18(1239)	2,39E-05	Chd2, Cks1b, Fmr1, Ctf, U2af2, Snrpb, Tomm70a, Nasp, Egfl7, Dnaja2, Stoml2, Spry2, Ebna1bp2, Tnks2, Ipo7, Gsp1, Dnmt1, Ppil1
V\$BRN2_01	19(1239)	2,65E-05	Ctnna1, Cbfb, Baz1a, Anln, Impdh2, Iqgap3, Cnn3, Etv5, Dlx1, Polr3b, Rab8b, Arf6, Dusp6, Fosl1, Pcf11, Tcf4, Ell, Myo1b, Etv4
V\$CREB_Q3	19(1239)	2,65E-05	Cdkn2c, Ncam1, Chd2, Ncl1, Nup155, Rnps1, Nufip1, Usp14, Pogz, Hspe1, Spry2, Etv5, Rrm1, Gtf3c2, Arid4b, Prpf31, Pak1, Hspd1, Spred2
V\$MYB_Q5_01	19(1239)	2,65E-05	Gphn, Ankrd28, Ltbp1, Kif20a, Brd8, G3bp2, Rasa3, Klf5, Xpo7, Rhobtb3, Shmt1, Cdca3, Xpo1, Pgm1, Gtf3c2, Cdk2, Hmga2, Six4, Etv4
V\$CEBP_C	17(1239)	2,79E-05	Nfx1, Chd2, Sox4, Klf5, Osmr, Crim1, Foxp1, Pik3c2a, Luc7l, Zic1, Dlx1, Pla2g4a, Ptpn12, Phactr4, Etf1, Rrm1, Epc2
V\$ATF3_Q6	33(1239)	2,81E-05	Ltbp1, Trib1, Slc38a1, G3bp2, Rrad, Ddx51, Ell2, Dhx36, Prx, Ccna2, Schip1, Cenpe, Ch25h, Tgif2, Egr, Vrk3, Nck2, Top1, Iqgap3, Umps, Suv39h2, Cnn3, Tes, Runx1, Tpm3, Yme11, Cd2ap, Jub, Arid4b, Rad51c, Gnb4, Pak1, Hbs1l
V\$SP1_01	19(1239)	2,81E-05	Hyal2, Syncrip, Acly, Ssr4, Stmn1, Sec63, Pou2f1, Nr2f2, Kpn1, Cyp26b1, Rbbp4, Hmga1, Pprc1, Pcf11, Bzw2, Pak1, Ccne1, Bcl2, Six4
V\$HMGY_Q6	19(1239)	3,01E-05	Taf5, Ankrd28, Ncam1, Ptbp2, Klf5, Osmr, Stmn1, Pold3, Foxp1, Lif, Pou2f1, Tial1, Stip1, Zic1, Rasal2, Rrm1, Cdc27, Dusp6, Nedd4l
V\$CEBPA_01	19(1239)	3,01E-05	Notch1, Syncrip, Trib1, Pdgfb, Osmr, Crim1, Egr, Nr2f2, Spred1, Dlx1, Pla2g4a, Rasal2, Rbbp4, Pum2, Arf6, Sox11, Nrp2, Ruvbl2, Usp34
V\$POU1F1_Q6	18(1239)	3,16E-05	Ank3, Uhrf1, Sox4, Dusp9, Asf1a, Crim1, Nrp1, H2afy2, Stoml2, Pou2f1, Tial1, Zic1, Dlx1, Runx1, Ebf2, Pcf11, Bzw2, Bnc2
V\$SRF_Q5_01	19(1239)	3,19E-05	Chd2, G3bp2, Junb, Taf5l, Egr2, H2afz, Dusp5, Foxp1, Rbbp7, Actr3, Nr2f2, Fgf7, Sdpr, Egr3, Egr1, Ier2, Tpm3, Arf6, Bnc2
V\$ATF1_Q6	19(1239)	3,19E-05	Trib1, Slc38a1, Ell2, Rnps1, Cenpe, Tgif2, Foxp1, Top1, Pde1a, Suv39h2, Cnn3, Cd2ap, Sox11, Dyrk3, Gnb4, Nrf1, Ivns1abp, Pak1, Spred2
V\$FAC1_01	17(1239)	3,48E-05	Junb, Eps8, Map4k5, Cbfb, Foxp1, Nr2f2, Slc5a3, Ccng2, Zic1, Nav3, Runx1, Brca1, Has2, Nrp2, Six4, Csnk1a1, Usp34
V\$COUP_01	19(1239)	3,66E-05	Pdgfb, Cks1b, Pold1, Slc11a2, Asxl1, Nek6, Mtmr4, Nrp1, Tomm70a, Usp37, Dnaja2, Fbln1, Stoml2, Nr2f2, Timeless, Net1, Pabpn1, Fkbp5, Smyd5
V\$CREB_Q2	19(1239)	3,66E-05	Ltbp1, Trib1, Elavl1, Slc38a1, Ddx51, Dhx36, Ctf, Tgif2, Sms, Pdap1, Rbbp8, Egr3, Plk4, Egr1, Cbx3, Etf1, Cd2ap, Ubqln2, Dnajc9
V\$DR1_Q3	18(1239)	4,54E-05	Ckap4, Asxl1, Zbtb12, Rest, Tomm70a, Usp37, Dnaja2, Fbln1, Stoml2, Nr2f2, Hspe1, Timeless, Net1, Gtf3c2, Fkbp5, Ss18, Smyd5, Hspd1
V\$RP58_01	18(1239)	4,54E-05	Ltbp1, Pdgfb, Klf5, Amd1, Dlg3, Kif21a, Foxp1, Fgf7, Fmn13, Ptk7, Tll1, Runx1, Pprc1, Col7a1, Colec12, Arhgap22, Gpsm2, Spred2
V\$VDR_Q3	18(1239)	4,54E-05	Ncam1, Chd2, Asxl1, Prx, Xpo7, Ctf, Sin3a, Sec63, Lif, Pogz, Pou2f1, Rcl1, Ptk7, Xpo1, Smarca5, Sh3kbp1, Cct7, Jub
V\$PITX2_Q2	38(1239)	4,69E-05	Lifr, Ankrd28, Ltbp1, Trib1, Sox4, Klf5, Prx, Slc43a3, Gli2, Ctf, Phc2, Nup54, Dusp5, Khsrp, Pou2f1, Slc5a3, Ctbp2, Luc7l, Supt16h, Pde1a, Spry2, Igsf3, Slc4a7, Acaa2, Nav3, Runx1, Rasal2, Cd2ap, Arf6, Dusp6, Tcf4, Bzw2, Chst1, Bnc2, Hmgb1, Bcl2, Ktn1, Myo1b
V\$PTF1BETA_Q6	18(1239)	4,82E-05	Ank3, Chd2, Ptbp2, Sox4, Etv6, Ptpn2, Mtmr4, Ctf, Rest, Rasa1, Hmgb3, Rif1, Lif, Stoml2, Zic1, Xpo1, Gsp1, Bcl2
V\$OSF2_Q6	19(1239)	4,84E-05	Ncam1, Stag1, Mtmr4, Amd1, Phf6, Csnk1g3, Sin3a, Rpa2, Pou2f1, Supt16h, Gprc5c, Runx2, Zic1, Runx1, Etf1, Sirt1, Tcf4, H2afy, Akap8
V\$USF_Q6_01	17(1239)	5,07E-05	Trib1, Nfx1, Hnrpd1, Slc43a1, Schip1, Stmn1, Tgif2, Socs5, Ilf3, Tll1, Apex1, Ewsr1, Sirt1, Ipo7, Npm1, Ranbp1, Wee1
V\$GATA4_Q3	18(1239)	7,66E-05	Lifr, Ankrd28, Sfl1, Ets1, Amd1, Smarce1, Nrp1, Egfl7, Lif, Nr2f2, Egr3, Zic1, Rasal2, Arf6, Nedd4l, Pcf11, Ect2, Bnc2

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$POU6F1_01	18(1239)	8,22E-05	Ncam1, Chd2, Sox4, Nek6, Baz1a, Foxp1, Stoml2, Pou2f1, Pank4, Etv5, Tll1, Dlx1, Nfrkb, Marcks, Mpp6, Epc2, Bnc2, Fbxo32
V\$MAF_Q6	19(1239)	8,39E-05	Hyal2, Syncrip, Chd2, Unc5c, Clns1a, Map4k5, Elovl6, Hmgb3, Supt16h, Slc9a3r1, Ttc3, Timeless, Kpnb1, Hmga1, Has2, Bnc2, Six4, Cdc5l, Tpbg
V\$CEBPB_01	19(1239)	8,39E-05	Syncrip, Trib1, Chd2, Rcor1, Klf5, Crim1, Foxp1, Pdap1, Zic1, Prdx4, Dlx1, Acaa2, Pla2g4a, Etf1, Pcf11, Marcks, Nrp2, Srpk1, Ruvbl2
V\$RSRFC4_Q2	29(1239)	8,48E-05	Nek2, Rrad, Rcor1, Amd1, Taf5l, Egr2, Prx, Rhobtb3, Eno3, Mat2a, Foxp1, Lif, Stoml2, Luc7l, Asph, Pank1, Tpm3, Cyp26b1, Tcf4, Has2, Bzw2, Epc2, Gnb4, Slc9a5, Nrp2, Tpp2, Bnc2, Satb2, Ktn1
V\$PBX1_01	18(1239)	8,63E-05	Ltbp1, Chd2, Junb, Mrps6, Slc43a3, Schip1, Stmn1, Dusp5, Lif, Supt16h, Gemin4, Zic1, Dlx1, Ebf2, Pgm1, Nedd4l, Swap70, Bnc2
V\$FOXJ2_02	17(1239)	9,39E-05	Lifr, Ltbp1, Chd2, Ghr, Phf6, Crim1, Foxp1, Cdh10, Fgf7, Pvr13, Ttc3, Arf6, Tcf4, Has2, Nrf1, Ect2, Satb2
V\$MYB_Q3	17(1239)	0,000109332	Taf5, Gphn, Ankrd28, Ltbp1, Rasa3, Klf5, Rhobtb3, Foxp1, Pdap1, Shmt1, Cdca3, Xpo1, Gtf3c2, Cdk2, Nrf1, Hmga2, Etv4
V\$SOX5_01	18(1239)	0,00011422	Ankrd28, Ank3, Ncam1, G3bp2, Nrp1, Dusp5, Nasp, Tial1, Fmnl3, Dlx1, Rbbp4, Dusp6, Tnks2, Tcf4, Exosc2, Pak1, Bnc2, Satb2
V\$MTF1_Q4	18(1239)	0,00012134	Mttr4, Lig1, Xpo7, U2af2, Khsrp, Rbbp7, Cdc25a, Pou2f1, Tial1, Egr1, Elk3, Rasal2, Hmga1, H2afv, Tnks2, Marcks, Bzw2, Nrf1
V\$HLF_01	18(1239)	0,00012134	Cdkn2c, Chd2, Hnrnpa3, Xpo7, Crim1, Egfr, Foxp1, Cdh10, Dnaja2, Pdap1, Pogz, Nr2f2, Spred1, Top1, Dlx1, Atad2, Mpp6, Etv4
V\$ER_Q6_01	18(1239)	0,000149685	Cdkn2c, Lifr, Chd2, Asxl1, Apex2, Cldn12, Stmn1, Dnaja2, Zfp36l2, Spred1, Pde1a, Zic1, Dgcr8, Slc4a7, Tpm3, Rnmt, Sdc1, Slc25a5
V\$HFH4_01	24(1239)	0,000165142	Ncam1, Asxl1, Egr2, Prx, Elovl6, Crim1, Schip1, Rad21, Tbx3, Sin3a, Cdh10, Pogz, Pik3c2a, Nr2f2, Luc7l, Iqgap3, Nav3, Runx1, Ebf2, Cyp26b1, H2afv, Tcf4, H2afy, Bub3
V\$HP1SITEFACTOR_Q6	17(1239)	0,000166373	Ankrd28, Syncrip, Chd2, Rcor1, Sox4, Casp8, Ctcf, Axl, Schip1, Pou2f1, Luc7l, Zic1, Dlx1, Xpo1, Pum2, H2afy, Bnc2
V\$FOXJ2_01	15(1239)	0,000182507	Ncam1, Bub1, Egr2, Rest, Ch25h, Cdh10, Stoml2, Pogz, Pik3c2a, Luc7l, Runx2, Cyp26b1, Pcf11, Bub3, Fen1
V\$MEF2_02	38(1239)	0,000188089	Lifr, Ankrd28, Ncam1, Chd2, Arpc5, Nek2, Rcor1, Ets1, Sox4, Cldn12, Junb, Klf5, Map4k5, Prkar2b, Ctnna1, Foxp1, Tnnt2, Nab2, Top1, Asph, Tll1, Pank1, Rrs1, Rasal2, Cdc27, Enpp1, Has2, Spc25, Bcl2l11, Gnb4, Slc9a5, Nrp2, Tpp2, Bnc2, Snx7, Ktn1, Ssrp1, Tpbg
V\$FOXO1_02	17(1239)	0,000189242	Lifr, Ankrd28, Kif20a, Brd8, Chd2, Asxl1, Map4k5, Xpo7, Csnk1g3, Rad21, Sin3a, Pik3c2a, Pou2f1, Etv5, Ddx46, Pak1, Satb2
V\$MYOD_01	17(1239)	0,000216082	Hyal2, Crif1, H2afz, Eif4enif1, Sox12, Bach1, Tnnt2, Rangap1, Slc5a3, Luc7l, Ptk7, Egr1, Usp3, Pcf11, Psp1, Srpk1, Ktn1
V\$TEF_Q6	17(1239)	0,000216082	Sox4, Amd1, Egr2, Ctcf, Crim1, Nrp1, Foxp1, Spred1, Fgf7, Spry2, Etv5, Ebf2, Pum2, Pcf11, Gprc5b, Bub3, Bnc2
V\$TCF4_Q5	17(1239)	0,000230693	Lifr, Ankrd28, Chd2, Map4k5, Pcm1, Sdpr, Zic1, Elk3, Dlx1, Pank1, Plscr1, Ebf2, Has2, Ucp2, Nrp2, Six4, Usp34
V\$ZID_01	16(1239)	0,000258344	Ltbp1, Chd2, Apex2, Map4k5, Ctcf, Foxp1, Cdc25a, Supt16h, Zic1, Adss, Elk3, Enpp1, Pcf11, Tcf4, Marcks, Hmgb1
V\$CREB_02	17(1239)	0,000262495	Chd2, Ddx51, Ell2, Dhx36, Sox12, Snrpg, Cenpe, Sms, Rbbp8, Umps, Plk4, Smarca5, Cd2ap, Ivn1abp, Pak1, Hmgb1, Spred2
V\$AML_Q6	23(1239)	0,000273591	Lifr, Ltbp1, Trib1, Nek6, Mttr4, Amd1, Phf6, Nutf2, Rbl1, Cnnm4, Lif, Pou2f1, Luc7l, Supt16h, Runx2, Nav3, Runx1, Etf1, Kpnb1, Sirt1, Pcf11, H2afy, Bnc2
V\$SR_Y02	17(1239)	0,00027812	G3bp2, Nrp1, Dusp5, Gata2, Chd1, Tial1, Ebf2, Mcm7, Rbbp4, Dusp6, Pcf11, Tcf4, H2afy, Mpp6, Pak1, Bnc2, Six4
V\$CDC5_01	18(1239)	0,000292664	Cdkn2c, Chd2, Ppil5, Rcor1, Nek6, Egr2, Csnk1g3, Nrp1, Rpa2, Foxp1, Sec63, Supt16h, Rasal2, Sdc1, Hmga1, Atrx, Gli3, Prps1
V\$PAX4_02	17(1239)	0,000292839	Chd2, Slc38a1, Sox4, Etv6, Foxp1, Zfp36l2, Pogz, Sdpr, Zic1, Elk3, Dlx1, Ebf2, Tcf4, Has2, Marcks, Bzw2, Mpp6
V\$FOXO1_01	17(1239)	0,000292839	Ankrd28, Asxl1, Elovl6, Csnk1g3, H2afx, Impdh2, Chd1, Ccng2, Gprc5c, Etv5, Dlx1, Runx1, Usp3, Mcm7, H2afv, Klhd2, Bub3
V\$CREB_01	17(1239)	0,000310012	Ltbp1, Elavl1, Slc38a1, G3bp2, Ddx51, Ell2, Dhx36, Ccna2, Cenpe, Tgif2, Umps, Suv39h2, Plk4, Cd2ap, Rad51c, Gnb4, Pak1
V\$CEBP_Q3	17(1239)	0,000310012	Syncrip, Ncam1, Pdgbf, Suv39h1, Junb, Nup155, Syne2, Nr2f2, Spred1, Etv5, Pla2g4a, Pum2, Mpp6, Dyrk3, Ss18, Ruvbl2, Usp34
V\$AP4_Q6_01	17(1239)	0,000328044	Hyal2, Notch1, Mycn, Pdgbf, Ccne2, Eif4enif1, Sox12, Bach1, Ppat, Tnnt2, Sumo2, Hn1, Myc, Psp1, Bnc2, Ythdf2, Trit1
V\$SMAD_Q6	17(1239)	0,000328044	Ltbp1, Pdgbf, Cks1b, Prx, Cbx5, Crim1, Nrp1, Stmn1, Dusp5, Rbm12, Runx2, Elk3, Rrm1, Sh3kbp1, Jub, Anp32e, Bcl2
V\$E2F_Q2	13(1239)	0,000332521	Usp1, Stmn1, Sfpq, Pogz, Pou2f1, Mpzl1, Suv39h2, Tpm3, Rbbp4, Rnf2, Lrp8, Anp32e, Ythdf2
V\$STAT5A_Q3	17(1239)	0,000346971	Mns1, Etv6, Amd1, Vrkl, Stmn1, Pole2, Spred1, Tial1, Ptk7, Sumo2, Tpm3, Ebf2, Cxadr, Nedd4l, Tcf4, Marcks, Gnb4
V\$HFH3_01	15(1239)	0,000360869	Ncam1, Egr2, Prx, Crim1, Rest, Rad21, Cdh10, Stoml2, Pik3c2a, Gprc5c, Runx2, Etv5, Nav3, Cyp26b1, Bub3
V\$GR_Q6_01	17(1239)	0,000366829	Gpr126, Ank3, Syncrip, Pdgbf, Ets1, Khdrbs1, Etv6, Schip1, Bach1, Stmn1, Whsc1, Tead2, Pdap1, Sdc1, Nrp2, Fen1, Bcl7a
V\$ZIC1_01	17(1239)	0,000389785	Notch1, Pdgbf, Unc5c, Fancd2, Etv6, Ghr, Tgif2, Rbm12, Aebp2, Pou2f1, Supt16h, Gemin4, Ptk7, Rrm1, Cyp26b1, Col7a1, Lrp8
V\$STAT6_01	17(1239)	0,000441811	Trib1, Slc38a1, Etv6, Amd1, Vrkl, Stmn1, Pole2, Spred1, Tial1, Stip1, Ptk7, Sumo2, Cxadr, Nedd4l, Tcf4, Marcks, Gnb4
V\$CREBP1_Q2	16(1239)	0,000446132	Ltbp1, Trib1, Elavl1, Ddx51, Ell2, Dhx36, Egr2, Tgif2, Rbbp8, Egr3, Suv39h2, Egr1, Cbx3, Yme11, Cd2ap, Ubqln2
V\$COMP1_01	11(1239)	0,000467343	Ncam1, Phf6, Ifl3, Slc5a3, Zic1, Nfyb, Dlx1, Nav3, Ebf2, Gnb4, Hmgb1
V\$NRF2_01	15(1239)	0,000469357	Arpc5, Cks1b, Mttr4, Rnps1, Fmr1, Egr2, Phf6, Baz1a, Eif2s1, Tomm70a, Chuk, Tnks2, Gspt1, Dnmt1, Bcl2
V\$TST1_01	17(1239)	0,000491701	Ankrd28, Stag1, Nek6, Klf5, Egr2, Ccnf, Lif, Nr2f2, Slc5a3, Pde1a, Zic1, Rad18, Cxadr, Atrx, Has2, Hmga2, Bnc2
V\$DR3_Q4	11(1239)	0,00050819	Hyal2, Rbm14, Pdgbf, Chd2, Asxl1, Pou2f1, Xpo1, Ttc3, Kpnb1, Cdc27, Tmpo

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$MMEF2_Q6	18(1239)	0,000555856	Rcor1, Junb, Prx, Sin3a, Tomm70a, Dnaja2, Pou2f1, Luc7l, Runx2, Asph, Topbp1, Sdc1, Cyp26b1, Has2, Bzw2, Gnb4, Nrp2, Bnc2
V\$MSX1_01	14(1239)	0,000558492	Sox4, Ell2, Cbx5, Foxp1, Cirh1a, Pou2f1, Spry2, Zic1, Etv5, Dlx1, Ebf2, Nxf1, H2afy, Spag5
V\$OCT1_04	16(1239)	0,000562709	Ank3, Ncam1, Ahcy, Chd2, Arpc5, Tpd52, Foxp1, Stoml2, Pou2f1, Pde1a, Zic1, Dlx1, Topbp1, Runx1, Arf6, Bnc2
V\$HNF6_Q6	16(1239)	0,000594803	Abi1, Ankrd28, Chd2, Sox4, Mat2a, Cdh10, Stoml2, Pogz, Pou2f1, Zic1, Cbx3, Runx1, Nup107, Ebf2, Bnc2, Etv4
V\$ZIC2_01	16(1239)	0,000594803	Mycn, Syncrip, Fancd2, Etv6, Ghr, Prx, Sox12, Phf6, Sfpq, Foxp1, Rbm12, Ptk7, Cyp26b1, Col7a1, Lrp8, Lrrk1
V\$SF1_Q6	20(1239)	0,00068937	Ankrd28, Chd2, Tfrc, Fancd2, Socs4, Idh3a, Cx3c1, Hmgb3, Dnaja2, Hspeg1, Pank1, Sumo2, Safb, Kin, Spc24, Ipo7, Bub1b, Ranbp1, Ccne1, Hspd1
V\$PPAR_DR1_Q2	16(1239)	0,00071124	Mmd, Asxl1, Zbtb12, Eno3, Rest, Tomm70a, Usp37, Dnaja2, Stoml2, Nr2f2, Rcl1, Slc25a5, Net1, Mrpl1, Ss18, Smyd5
V\$FREAC3_01	16(1239)	0,00071124	Ankrd28, Ppil5, Map4k5, Egr2, Xpo7, Pogz, Pou2f1, Tial1, Nav3, Mcm7, Pcf11, Mpp6, Bub3, Pak1, Bnc2, Etv4
V\$MAZR_01	15(1239)	0,00072366	Sf1, Junb, Hnrpd1, Cbfb, Rbl1, Fus, Aebp2, Pogz, Etv5, Etf1, Cdc27, Hmga1, Ezh2, Pcf11, Gart
V\$TCF11MAFG_01	23(1239)	0,000725145	Pdgfb, Pop1, Mtmr4, Dlg3, Txnrd1, Bach1, Tomm70a, Foxp1, Eif5, Rbbp7, Usp14, Spred1, Tial1, Sdpr, Tll1, Sumo2, Il13ra1, Tpm3, Cd2ap, Fosl1, Ran, Anp32e, Usp34
V\$AP1_Q4	17(1239)	0,00079951	Lifr, Ankrd28, Trib1, Nek6, Bach1, Pdap1, Stoml2, Rbbp7, Tial1, Zic1, Etv5, Elk3, Nfrkb, Usp3, Pkn3, Ube2c, Slc9a5
V\$NKX22_01	13(1239)	0,000800016	Gpr126, Cdkn2c, Notch1, Egr2, Schip1, Foxp1, Aebp2, Rbbp7, Sdpr, Etv5, Sh3kbp1, Cct7, Nrp2
V\$FOXO4_02	16(1239)	0,000837975	Kif20a, Brd8, Chd2, Asxl1, Klf5, Elov6, Xpo7, Etv5, Runx1, Usp3, Mcm7, Has2, Mpp6, Bub3, Satb2, Bcl7a
V\$GATA1_05	17(1239)	0,000839726	Gpr126, Klf5, Map4k5, Egr2, Cctf, Syne2, Sin3a, Tgif2, Eglf7, Nr2f2, Sdpr, Zic1, Ptpn12, Nfrkb, Pum2, Myct1, Ect2
V\$CACBINDINGPROT EIN_Q6	15(1239)	0,00091614	Ncam1, Pdgfb, Pou2f1, Supt16h, Dlx1, Eef1g, Kntc1, Kpnb1, Sdc1, Nedd4l, Dpf1, Gnb4, Pabpn1, Bcl7a, Six4
V\$AFP1_Q6	16(1239)	0,000934094	Ankrd28, Sox4, Mtmr4, Egr, Foxp1, Sdpr, Zic1, Dlx1, Cyp26b1, Pum2, Dusp6, Myc, Has2, Ect2, Satb2, Usp34
V\$ATF4_Q2	16(1239)	0,000983118	Ltbp1, Trib1, Chd2, Ddx51, Dhx36, Cctf, Cenpe, Pdap1, Usp14, Rbbp8, Cbx3, Xpo1, Hn1, Ubqln2, Pak1, Cdc5l
V\$TAXCREB_01	11(1239)	0,000983825	Asxl1, Cctf, Usp14, Plk4, Smarca5, Cd2ap, Slc25a5, Pcf11, Marcks, Gspt1, Pak1
V\$STAT6_02	16(1239)	0,00103427	Gphn, Ankrd28, Trim25, Sema4b, Slc43a1, Cctf, Adsl, Eglf7, Dnaja2, Luc7l, Tll1, Cd2ap, Hmga1, Ly75, Rnf138, Pkn3
V\$STAT_01	16(1239)	0,00103427	Ank3, Trim25, Set, Asxl1, Nek6, Tcerg1, Nrp1, Rasa1, Asph, Etv5, Bclaf1, Plscr1, Sdc1, Polr2b, Mpp6, Dusp4
V\$OCT1_Q6	16(1239)	0,00115967	Ank3, Egr2, Sox12, Lif, Socs5, Nfyb, Dlx1, Ebf2, Dusp6, Tcf4, Cdk2, Gprc5b, Cdca7, Nrp2, Satb2, Bcl2
V\$DR4_Q2	15(1239)	0,00121212	Pdgfb, Amd1, Cx3c1, Tgif2, Foxp1, Acsl3, Ctbp2, Ptk7, Dlx1, Ebf2, Pum2, Arid4b, Gart, Bnc2, Hmgb1
V\$ELF1_Q6	15(1239)	0,00121212	Ankrd28, Sf1, Ncam1, Csf1, Dapp1, Cctf, Baz1a, Nrp1, Nasp, Dnaja2, Rcl1, Supt16h, Marcks, Six4, Spred2
V\$SRF_01	7(1239)	0,0012719	Junb, Egr2, Actr3, Egr3, Egr1, Ier2, Fosl1
V\$PAX2_02	16(1239)	0,00127344	Cdc20, Nup54, Egr, Eif5, Etv5, Elk3, Xpo1, Galnt4, Rasal2, Sdc1, Rpl13a, Tnks2, Tcf4, Marcks, Mpp6, Dusp4
V\$HSF2_01	15(1239)	0,0012775	Cct3, Trib1, Pdgfb, Nek6, Mat2a, Cct8, Eif5, Egr3, Ppid, Hspa8, Kntc1, Ewsr1, Bnc2, Six4, Hspd1
V\$GATA1_02	15(1239)	0,00133336	Lifr, Suv39h1, Chd2, Egr2, Cctf, Schip1, Sh3kbp1, Sox11, Jub, Ccrn4l, Nrp2, Ect2, Bnc2, Satb2, Ccne1
V\$LYF1_01	16(1239)	0,00133682	Impa2, Asxl1, Nek6, Hnrnpa3, Nrp1, Syne2, Tead2, Tes, Pank1, Timeless, Cdc27, Dusp6, Cdc40, Tcf4, Mpp6, Bnc2
V\$CEBP_01	16(1239)	0,00133682	Ltbp1, Acl, Nup155, Egr2, Rest, Syne2, Foxp1, Stoml2, Top1, Supt16h, Sumo2, Atr, Kcnk2, Epc2, Bnc2, Ddx52
V\$FREAC7_01	13(1239)	0,00140857	Junb, Csnk1g3, Ch25h, Stoml2, Pogz, Pik3c2a, Pou2f1, Runx2, Etv5, Elk3, Nfrkb, Bub3, Bnc2
V\$P300_01	15(1239)	0,00149133	Syncrip, Cks1b, Ptbp2, Junb, Crim1, Foxp1, Ctbp2, Nme1, Egr3, Zic1, Dlx1, Sumo2, Pum2, Arf6, Six4
V\$SRY_01	13(1239)	0,00149547	Cdkn2c, Ckap4, Ank3, Ncam1, Egr2, Dffb, Stmn1, Pik3c2a, Nav3, Dusp6, Tnks2, Pcf11, Arid4b
V\$GR_01	13(1239)	0,00159386	Syncrip, G3bp2, Ets1, Khdrbs1, Klf5, Eif4enif1, Dnaja2, Tead2, Rbbp7, Sdc1, Pum2, Ppp1cc, Fen1
V\$PAX4_01	16(1239)	0,00163161	Taf5, Syncrip, Pdgfb, Elavl1, Dlg3, Acsl3, Ctbp2, Spry2, Etv5, Xpo1, Kpnb1, Arf6, Pcf11, Gtf3c2, Psp1, Ranbp1
V\$TAL1ALPHAE47_01	15(1239)	0,00164958	Ltbp1, Pdgfb, Acl, Stag1, Ell2, Sox12, Foxp1, Fgf7, Pde1a, Fmnl3, Nav3, E2f7, Sh3kbp1, Swap70, Arhgap22
V\$AR_Q6	14(1239)	0,00173645	Syncrip, H2afz, Sin3a, Lif, Actr3, Tial1, Supt16h, Skp2, Tpm3, Pum2, Pcf11, Lrrk1, Srpk1, Bnc2
V\$BACH1_01	16(1239)	0,00179004	Ankrd28, Trib1, Nek6, Sertad1, Prx, Ube2e3, Rbbp7, Tial1, Luc7l, Tll1, Elk3, Hmga1, Col7a1, Ube2c, Ell, Chst1
V\$CRX_Q4	16(1239)	0,00179004	Cdkn2c, Lifr, Ltbp1, Chd2, Khrrp, Zfp36l2, Ctbp2, Fgf7, Etv5, Igsf3, Acaa2, Jub, Ets2, Bnc2, Satb2, Usp34
V\$PPARA_02	10(1239)	0,00187589	Trib1, Pdgfb, Chd2, Prx, Pogz, Supt16h, Smarca5, Kpnb1, Arf6, Pak1
V\$IK1_01	16(1239)	0,00208719	Cdkn2c, Lifr, Ltbp1, Nek6, Eif4enif1, Foxp1, Stoml2, Top1, Tes, Dlx1, Il13ra1, Polr3b, Rrm1, Brca1, Polr2b, Hmga2
V\$POU3F2_01	9(1239)	0,00210775	Chd2, Sox4, Phf6, Csnk1g3, Baz1a, Nrp1, Cdh10, Supt16h, Bnc2
V\$FOX_Q3	9(1239)	0,00210775	Trib1, Egr2, Stoml2, Pde1a, Zic1, Brca1, Kin, Has2, Swap70
V\$FOXM1_01	15(1239)	0,00237541	Cdkn2c, Syncrip, Ncam1, Khdrbs1, Amd1, Cctf, Crim1, Stmn1, Cdh10, Ptk7, Dlx1, Ebf2, Cdc25c, Anp32e, Bnc2
V\$BACH2_01	16(1239)	0,00240334	Trib1, Nup155, Sertad1, Prx, Bach1, Ube2e3, Sms, Usp14, Tial1, Luc7l, Usp3, Col7a1, Tnks2, Pkn3, Ell, Chst1
V\$IK2_01	16(1239)	0,00252063	Ank3, Ltbp1, Ets1, Tead2, Slc5a3, Supt16h, Stip1, Tes, Dlx1, Ptpn12, Polr3b, Kpnb1, Pcf11, Nrp2, Hmga2, Bcl2
V\$LXR_Q3	7(1239)	0,00252205	Amd1, Cctf, Acsl3, Spry2, Has2, Tmpo, Etv4
V\$HNF1_C	14(1239)	0,00252263	Ncam1, Ptgs2, Yes1, Nrp1, Pou2f1, Fgf7, Supt16h, Egr1, Dlx1, Pla2g4a, Tcf4, Marcks, Epc2, Bub3
V\$ISRE_01	14(1239)	0,00265046	Cdkn2c, Slc11a2, Unc5c, Etv6, Fmr1, Egr2, Dapp1, Rangap1, Pgl1, Ripk2, Top1, Sdpr, Etv5, Gnb4
V\$CHOP_01	14(1239)	0,00265046	Gphn, Ankrd28, Syncrip, Trib1, Sox4, Phf6, Stmn1, Socs5, Supt16h, Adss, Etf1, Hmgb2, Bcl2l11, Hmgb1
V\$AP2_Q3	15(1239)	0,0027162	Sf1, Mycn, Pdgfb, Cctf, Sox12, Tbx3, Mat2a, Cpsf4, Acsl3, Zic1, Etf1, Rasal2, Gprc5b, Nrf1, Etv4
V\$FOXO3_01	14(1239)	0,00277184	Kif20a, Brd8, Chd2, Junb, Egr2, Elov6, Sox12, Impdh2, Etv5, Mcm7, Has2, Mpp6, Bub3, Bcl7a
V\$AHR_01	7(1239)	0,00278015	Ncam1, Prx, Tgif2, Supt16h, Egr1, Kpnb1, Nrf1
V\$PXR_Q2	15(1239)	0,00281864	Gphn, Chd2, Cks1b, Egr2, Nrp1, Cdh10, Supt16h, Etv5, Atad2, Itih2, Usp3, Ipo7, Cdk2, Bnc2, Etv4
V\$PAX8_01	5(1239)	0,00281982	Taf5, Trib1, Supt16h, Pum2, Ahcy1
V\$CDX2_Q5	15(1239)	0,00296047	Stag1, Sox4, Mbtps2, Xpo7, Nrp1, Foxp1, Pdap1, Luc7l, Elk3, Dlx1, Nav3, Pcf11, Ube2c, Hmga2, Bnc2
V\$AP2_Q6_01	14(1239)	0,00304037	Pdgfb, Dlg3, Cctf, Trim28, Rad21, Stmn1, Cnnm4, Cpsf4, Nr2f2, Spred1, Egr3, Ptk7, Dgcr8, Nrf1
V\$TATA_C	17(1239)	0,00304763	Ltbp1, Prpf4, Metap1, Chd2, Prkar2b, Bach1, H2afx, Tbx3, Foxp1, Sdpr, Pank1, Nav3, Topbp1, Rab15, Tcf4, Has2, Myct1
V\$NFKB_Q6	15(1239)	0,00308279	Arpc5, Slc11a2, Fanc, Ptgs2, Elov6, Tslp, Sin3a, Nr2f2, Tial1, Top1, Stip1, Xpo1, Runx1, Pfafah1b3, Bnc2
V\$NKX61_01	14(1239)	0,00318864	Chd2, Sox4, Rhobtb3, Cdh10, Stoml2, Rbbp8, Fgf7, Sdpr, Dusp6, Tcf4, Ube2c, Marcks, Ets2, Satb2

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$HNF4_01	15(1239)	0,00322212	Asxl1, Ptbp2, Nek6, Nipsnap1, Tomm70a, Dnaja2, Hspe1, Timeless, Slc25a5, Net1, Pabpn1, Fkbp5, Ss18, Smyd5, Hspd1
V\$CEBPDELTA_Q6	14(1239)	0,00353055	Notch1, Trib1, H2afz, Chd2, Apex2, Egfr, Foxp1, Pdap1, Sdpr, Pla2g4a, Marcks, Gtf3c2, Arid4b, Ddx52
V\$CREB_Q2_01	13(1239)	0,00360991	Ltbp1, Syncrip, Trib1, Ddx51, Dhx36, Cenpe, Tgif2, Gprc5c, Plk4, Egr1, Cd2ap, Pak1, Spred2
V\$TCF1P_Q6	14(1239)	0,00369747	Cdkn2c, Trib1, Etv6, Tbx3, Rangap1, Nab2, Uchl5, Cenpf, Gmnn, Plk1, Arf6, Pola2, Nrf1, Tpp2
V\$CACCCBINDINGFACTOR_Q6	15(1239)	0,00369968	Crif1, G3bp2, Tial1, Spry2, Slc9a3r1, Etv5, Dlx1, Xpo1, Sdc1, Cdc27, Pcf11, Pabpn1, Smyd5, Six4, Ythdf2
V\$ER_Q6_02	15(1239)	0,0038306	Elavl1, Chd2, Cldn12, Ssr4, Sox12, Idh3a, Schip1, Stmn1, Hmgb3, Stoml2, Tial1, Elk3, Slc4a7, Plxnb1, Bzw2
V\$ELK1_01	14(1239)	0,00384021	Taf5, Lifr, Prpf4, Cks1b, Sox4, Nup155, U2af2, Phc2, Egfl7, Hat1, Dbr1, Elk3, Ebna1bp2, Enpp1
V\$ZF5_B	14(1239)	0,00384021	Cdkn2c, Gphn, Rbm14, Syncrip, Pdgfb, Junb, Mtmr4, Fmr1, Mat2a, Stmn1, H2afy2, Etf1, Marcks, Bcl7a
V\$TITF1_Q3	14(1239)	0,00384021	Ptbp2, Egfr, Foxp1, Impdh2, Aebp2, Ilf3, Pogz, Pou2f1, Tial1, Ptk7, Tcf4, Dyrk3, Bnc2, Bcl2
V\$ETF_Q6	8(1239)	0,00405441	Uchl5, Cdc7, Pou2f1, Suv39h2, Rasal2, Rnf2, Lrp8, Ythdf2
V\$TCF11_01	13(1239)	0,00415092	Chd2, Txnrd1, Nup54, Nrp1, Ube2e3, Pdap1, Pou2f1, Nme1, Supt16h, Ebf2, Ran, Satb2, Fhl2
V\$TAL1BETAITF2_01	14(1239)	0,00420322	Ltbp1, Pdgfb, Acly, Stag1, Ell2, Sox12, Foxp1, Pde1a, Fmnl3, Nap1l1, E2f7, Sh3kbp1, Swap70, Arhgap22
V\$AP1_01	15(1239)	0,00437766	Ankrd28, Trib1, Nek6, Sertad1, Bach1, Rbbp7, Spred1, Tial1, Luc7l, Tll1, Dlx1, Ewsr1, Nedd4l, Fosl1, Col7a1
V\$LXR_DR4_Q3	7(1239)	0,00439432	Etv6, Ctcf, Foxp1, Acs1, Ptk7, Pum2, Etv4
V\$VDR_Q6	14(1239)	0,00439457	Syncrip, Rpl3, Pold1, Asxl1, Xpo1, Kpnb1, Ebf2, Slc25a5, Fosl1, Pcf11, Tmpo, Arhgap22, Six4, Trit1
V\$DBP_Q6	14(1239)	0,0045927	Syncrip, Trib1, Slc29a1, Mns1, Sox4, Map4k5, Slc5a3, Luc7l, Ebf2, Pum2, Dusp6, H2afy, Gpsm2, Chst1
V\$HEN1_01	12(1239)	0,00492111	Hyal2, Pdgfb, Dusp9, Eno3, Tbx3, Sin3a, Foxp1, Ptk7, Smarca5, Tpm3, Cdk2, Ythdf2
V\$NFKB_C	15(1239)	0,00496642	Gphn, Arpc5, Ptgs2, Egr2, Slc43a1, Mrps6, Phf6, Eno3, Tslp, Sin3a, Top1, Egr3, Rad18, Dnaja1, Ect2
V\$HFH1_01	14(1239)	0,00502875	Ankrd28, Ncam1, Taf5l, Egr2, Csnk1g3, Rad21, Nrp1, Impdh2, Chd1, Pik3c2a, Etv5, Cyp26b1, Bub3, Satb2
V\$STAT3_02	10(1239)	0,0053947	Gphn, Ltbp1, Ncam1, Set, Egr3, Egr1, Kpnb1, Sdc1, Wee1, Bcl7a
V\$CIZ_01	13(1239)	0,0055422	Cdkn2c, Ckap4, Ncam1, Pdgfb, Chd2, Phf6, Tgif2, Nr2f2, Zic1, Igsf3, Tcf4, Tmpo, Bnc2
V\$E4BP4_01	16(1239)	0,00567894	Unc5c, Elovl6, Xpo7, Asf1a, Crim1, Cx3cl1, Dnaja2, Pkg1, Pogz, Spred1, Hspe1, Etv5, Mpp6, Wee1, Hspd1, Etv4
V\$CHX10_01	33(1239)	0,00571779	Cdkn2c, H2afz, Chd2, Etv6, Amd1, U2af2, Yes1, Baz1a, Bach1, Nrp1, Syne2, Rpa2, Cdh10, Socs5, Pogz, Pou2f1, Ccng2, Gprc5c, Pde1a, Cnn3, Zic1, Suclg2, Tll1, Dlx1, Il13ra1, Marcks, Kcnk2, Spag5, Ets2, Slc9a5, Fkbp5, Bnc2, Myo1b
V\$STAT5B_01	18(1239)	0,00573283	Ank3, Trim25, Asxl1, Nek6, Prkar2b, Nrp1, Lif, Asph, Etv5, Bclaf1, Plscr1, Pbbp, Sdc1, Polr2b, Jub, Mpp6, Dusp4, Ell
V\$ATF6_01	9(1239)	0,00575333	Syncrip, Stag1, Etv6, Egr2, Top1, Egr3, Egr1, Tnks2, Dusp4
V\$TTF1_Q6	14(1239)	0,00627325	Ptbp2, Klf5, Lif, Ccng2, Ptk7, Zic1, Dlx1, Ezh2, Myc, Tcf4, Wdr3, Plxnb1, Bnc2, Erh
V\$AREB6_02	14(1239)	0,00644073	Trib1, Usp1, Stag1, Sox4, Mtmr4, Ctcf, Usp37, Uchl5, Sdpr, Il13ra1, Bzw2, Nrf1, Nrp2, Pabpn1
V\$POU3F2_02	14(1239)	0,00644073	Asxl1, Mtmr4, Phc2, Dusp5, Foxp1, Pik3c2a, Pou2f1, Top1, Fgf7, Supt16h, Pank4, Dlx1, Cxadr, Kcnk2
V\$MEF2_Q6_01	14(1239)	0,00644073	Rcor1, Prx, Foxp1, Tnnt2, Lif, Ctbp2, Asph, Bzw2, Gnb4, Slc9a5, Tpp2, Bnc2, Ktn1, Tpbp
V\$GR_Q6	14(1239)	0,00644073	Lifr, Syncrip, Ncam1, Ppil5, Klf5, Prx, Asf1a, Schip1, Dlx1, Sdc1, Mcm7, Bnc2, Hmgb1, Ruvbl2
V\$S8_01	14(1239)	0,00644073	Asf1a, Phc2, Nrp1, Pole2, Foxp1, Socs5, Pogz, Gprc5c, Cnn3, Dlx1, Ebf2, Mapk8, Has2, Kcnk2
V\$E47_01	14(1239)	0,00644073	Neto2, Pdgfb, Sema4b, Amd1, Dusp9, Eif4enif1, Sox12, Rbl1, Foxp1, Rangap1, Sdpr, Plk4, Runx1, Psp1
V\$E2A_Q2	13(1239)	0,00652749	Notch1, Neto2, Pdgfb, Eif4enif1, Eno3, Ptk7, Hn1, Runx1, Hmga1, Slit2, Gprc5b, Psp1, Bcl7a
V\$HEN1_02	11(1239)	0,00667136	Hyal2, Pdgfb, Ccne2, Eno3, Tbx3, Ptk7, Etv5, Smarca5, Myc, Tcf4, Cdk2
V\$NKX25_01	9(1239)	0,00676822	Klf5, Tpd52, Ctcf, Egfr, Luc7l, Dlx1, Tcf4, Bnc2, Bcl2
V\$STAT5A_02	9(1239)	0,00676822	Syncrip, Chd2, Asxl1, Foxp1, Tial1, Gprc5c, Runx1, Sdc1, Mpp6
V\$OCT_C	21(1239)	0,00680569	Ank3, Asxl1, Egr2, Phc2, Phf6, Rest, Stmn1, Foxp1, Cdh10, Cnnm4, Pou2f1, Top1, Pank4, Nfyb, Dlx1, Tcf4, Nono, Bzw2, Cdk2, Gprc5b, Bcl2
V\$AP2GAMMA_01	13(1239)	0,00681753	Pdgfb, Hnrpd1, Ctcf, Phc2, Trim28, Eif2s1, Tead2, Gprc5c, Ptk7, Lrp8, Six4, Etv4, Ythdf2
V\$LHX3_01	16(1239)	0,00691752	H2afz, Junb, Rhobtb3, Baz1a, Nrp1, Rpa2, Cdh10, Vil1, Suclg2, Ebf2, Has2, Marcks, Kcnk2, Nono, Fkbp5, Bnc2
V\$IRF_Q6	17(1239)	0,00699799	Cdkn2c, Slc11a2, Asxl1, Etv6, Fmr1, Dapp1, Nrp1, Syne2, Lif, Top1, Etv5, Nav3, Gjc1, Edil3, Psp1, Chst1, Satb2
V\$PIT1_Q6	13(1239)	0,00701845	Chd2, Sox4, Junb, Sox12, Baz1a, Nrp1, Pou2f1, Fgf7, Etv5, Dusp6, Pcf11, Marcks, Spag5
V\$GCM_Q2	13(1239)	0,00701845	Taf5, Cdkn2c, Pdgfb, Ell2, Klf5, Cx3cl1, Dusp5, Tnnt2, Pank1, Kntc1, Ets2, Mpp6, Ythdf2
V\$CDP_01	7(1239)	0,00707804	Chd2, Phc2, Baz1a, Pou2f1, Egr1, Ebf2, Myo1b
V\$PEA3_Q6	13(1239)	0,00729939	Taf5, Cdkn2c, Ank3, Sf1, Ncam1, Slc43a1, Nrp1, Dusp5, Ctbp2, Tial1, Ctsw, Ipo7, Fen1
V\$OCT1_01	14(1239)	0,00777689	Ank3, Asxl1, Stag1, Egr2, Phc2, Foxp1, Pou2f1, Nr2f2, Nfyb, Dlx1, Dusp6, Tcf4, Ppp1cc, Cdk2
V\$IPF1_Q4	13(1239)	0,00799429	Syncrip, Sox4, Egr2, Elovl6, Nrp1, Nr2f2, Zic1, Ebf2, Pgm1, Hmgb2, Nono, Mpp6, Epc2
V\$TFII_Q6	12(1239)	0,00895518	Sf1, Mmd, Strap, Nutf2, Sin3a, Nab2, Pou2f1, Nr2f2, Xpo1, Kpnb1, Six4, Spred2
V\$RREB1_01	12(1239)	0,00938585	Rbl1, Rbm12, Tead2, Supt16h, Egr3, Fmnl3, Dlx1, Runx1, Kpnb1, Pcf11, Pabpn1, Ahcy1
V\$AP1_Q4_01	14(1239)	0,00959652	Ankrd28, Map4k5, Prx, Bach1, Ube2e3, Rbbp7, Tial1, Etv5, Tll1, Elk3, Usp3, Fosl1, Col7a1, Chst1
V\$IK3_01	12(1239)	0,00979904	Lifr, Ank3, Etv6, Tgif2, Egr3, Egr1, Xpo1, Pcf11, Polr2b, Hmga2, Bnc2, Usp34
V\$COREBINDINGFACTORTOR_Q6	14(1239)	0,00995685	Ank3, Ltbp1, Phf6, Vrk1, Nutf2, Lif, Luc7l, Supt16h, Runx2, Nav3, Runx1, Etf1, Enpp1, Epc2
V\$ICSBP_Q6	13(1239)	0,0113735	Cdkn2c, Syncrip, Slc11a2, Rcor1, Fmr1, Dapp1, Phf6, Syne2, Ripk2, Top1, Ly75, Chst1, Satb2
V\$GATA_C	20(1239)	0,011533	Lifr, Map4k5, Egr2, Fgf7, Supt16h, Slc9a3r1, Zic1, Soat1, Nfrkb, Tpm3, Arf6, Dusp6, Rpl13a, Pcf11, Crnr4, Lrig3, Nrp2, Myct1, Fhl2, Litaf
V\$GATA6_01	13(1239)	0,0118136	Etv6, Ctcf, Phc2, Tgif2, Foxp1, Nr2f2, Tial1, Runx2, Etv5, Pum2, Crnr4, Myct1, Ect2
V\$AHRARNT_02	3(1239)	0,012165	Supt16h, Egr1, Nrf1
V\$TGIF_01	12(1239)	0,0134229	Taf5, Cdkn2c, Gphn, Sox4, Ctcf, Tgif2, Cdh10, Impdh2, Aebp2, Spred1, Col7a1, Abl2
V\$CEBPGAMMA_Q6	13(1239)	0,0139253	Slc38a1, Ppil5, Smarce1, Csnk1g3, Eif5, Cdc3, Ctbp2, Ptk7, Dlx1, Nav3, Tmpo, Nrp2, Metap2
V\$CREB_Q4_01	11(1239)	0,0166421	Ltbp1, Trib1, Ddx51, Dhx36, Egr2, Cenpe, Suv39h2, Plk4, Cd2ap, Pak1, Spred2

<i>Transcription Factor</i>	<i>Number of genes</i>	<i>Corrected p-value</i>	<i>Genes repressed in Rasless cells (from Table S1)</i>
V\$GRE_C	8(1239)	0,0166514	Cdkn2c, Metap1, Ppil5, Tial1, Luc7l, Egr1, Mcm7, Myct1
V\$NKX25_02	13(1239)	0,016994	Ank3, Ltbp1, Notch1, Dlg3, Anln, Impdh2, Cacna1c, Pou2f1, Fgf7, Pvr13, Dlx1, Has2, Hmga2
V\$PPARA_01	4(1239)	0,0170138	Klf5, Tomm70a, Dnaja2, Ss18
V\$RORA2_01	9(1239)	0,0170578	Rcor1, Apex2, Taf5l, Rest, Acsl3, Asph, Slc4a7, Marcks, Ivns1abp
V\$OCT1_Q5_01	13(1239)	0,0182478	Tpd52, Egr2, Phf6, Foxp1, Cdh10, Cnrm4, Nfyb, Dlx1, Arf6, Dusp6, Cdk2, Gprc5b, Bcl2
V\$OLF1_01	21(1239)	0,0182979	Crif1, Ell2, Etv6, Dlg3, Ghr, Smarce1, Axl, H2afy2, Pdap1, Egr1, Elk3, Dlx1, Gjc1, Upf3b, Pprc1, Ipo7, Dpf1, Lrp8, Gtf3c2, Dusp4, Etv4
V\$CDPCR3HD_01	12(1239)	0,0185754	Ppil5, Hnrnpa3, Dlg3, Tbx3, Aebp2, Pde1a, Egr3, Cbx3, Galnt4, Timeless, Dpf1, Gart
V\$IRF7_01	13(1239)	0,0188085	Taf5, Sox4, Dapp1, Nrp1, Rbl1, Hmgb3, Lif, Dlx1, Gjc1, Arf6, Pkn3, Bnc2, Ythdf2
V\$AR_03	5(1239)	0,0198069	Syncrip, Khdrbs1, Map4k5, Sdc1, Smyd5
V\$EFC_Q6	13(1239)	0,0202192	Arcp5, Nek2, Ddx31, Sin3a, Pde1a, Ebna1bp2, Ebf2, Rrm1, Cyp26b1, Ets2, Nono, Nudc, Bnc2
V\$PPARG_01	4(1239)	0,0213562	Asxl1, Usp37, Dnaja2, Smyd5
V\$AR_01	8(1239)	0,0216225	Lifr, Ell2, Slc43a1, Stoml2, Luc7l, Etv5, Pank1, Slc9a5
V\$OCT1_03	11(1239)	0,0229635	Cdkn2c, Lifr, Chd2, Amd1, Nrp1, Elk3, Dlx1, Tcf4, Jub, Bub3, Nrp2
V\$FXR_IR1_Q6	7(1239)	0,0232135	Ltbp1, Eif5, Ebf2, Brca1, Arf6, Hmgb2, Nono
V\$NRF2_Q4	12(1239)	0,0232691	Prx, Txnrd1, Bach1, Tomm70a, Rbbp7, Usp14, Tial1, Zic1, Etv5, Tll1, Ran, Pkn3
V\$PR_02	8(1239)	0,0239158	Syncrip, Pdgfb, Ets1, Khdrbs1, Dlg3, Eif4enif1, Phc2, Sdc1
V\$EVI1_06	3(1239)	0,0245472	Map4k5, Pcf11, Tcf4
V\$PR_01	8(1239)	0,0251202	Syncrip, Pdgfb, Ets1, Khdrbs1, Dlg3, Dnaja2, Sdc1, Ppp1cc
V\$CDP_02	7(1239)	0,025978	Ptgs2, Tbx3, Lif, Tcf4, Marcks, Cdca7, Etv4
V\$AP1_Q2	13(1239)	0,0264736	Ankrd28, Map4k5, Pdap1, Stoml2, Zic1, Etv5, Elk3, Usp3, Pkn3, Ube2c, Slc9a5, Bnc2, Six4
V\$T3R_Q6	12(1239)	0,0266394	Ppil5, Junb, Mtmr4, Elovl6, Tbx3, Stoml2, Dlx1, Usp3, Mcm7, Bzw2, Ranbp1, Bnc2
V\$PBX1_02	8(1239)	0,0275619	Khdrbs1, Mrps6, Slc43a3, Lif, Egr3, Zic1, Ebf2, Pabpn1
V\$SP1_Q2_01	12(1239)	0,0275944	Hyal2, Aclt, Ptpn2, Trim28, Tbx3, Nr2f2, Etv5, Timeless, Pprc1, Jub, Pak1, Six4
V\$HAND1E47_01	12(1239)	0,029576	Stag1, Klf5, Stmn1, Dusp5, Cdh10, Pou2f1, Nr2f2, Ebf2, Pcf11, Has2, Tmpo, Cdk2
V\$AMEF2_Q6	12(1239)	0,0306032	Chd2, Eno3, Cdh10, Dnaja2, Ctbp2, Runx2, Sdc1, Cyp26b1, Has2, Bzw2, Nrp2, Bnc2
V\$RSRFC4_01	12(1239)	0,0315595	Eno3, Foxp1, Lif, Stoml2, Luc7l, Pank1, Cyp26b1, Has2, Bzw2, Slc9a5, Tpp2, Ktn1
V\$AP1_Q6	12(1239)	0,0315595	Trib1, Nek6, Pdap1, Rbbp7, Tial1, Etv5, Tll1, Elk3, Nfrkb, Pkn3, Ube2c, Slc9a5
V\$RFX1_01	11(1239)	0,0317343	F2rl1, Cx3cl1, Nab2, Stoml2, Zfp36l2, Hat1, Rfc5, Zcchc8, Npm1, Dusp4, Bnc2
V\$TAXCREB_02	3(1239)	0,0320884	Crif1, Sertad1, Nab2
V\$AP1_Q6_01	12(1239)	0,0324382	Ank3, Map4k5, Pdap1, Rbbp7, Tial1, Vil1, Tll1, Elk3, Nfrkb, Pkn3, Chst1, Csnk1a1
V\$MZF1_02	11(1239)	0,0326986	Chd2, G3bp2, Asxl1, Foxp1, Supt16h, Egr3, Cbx3, Xpo1, Ewsr1, Pcf11, Gart
V\$TAL1BETA47_01	11(1239)	0,0337806	Ltbp1, Aclt, Stag1, Ell2, Foxp1, Fgf7, Pde1a, Fmnl3, Sh3kbp1, Swap70, Arhgap22
V\$MYB_Q6	11(1239)	0,0337806	Ankrd28, Ltbp1, Snrpd1, Klf5, Dlg3, Cdca3, Dlx1, Sdc1, Gtf3c2, Cdk2, Tpp2
V\$NFKB_Q6_01	13(1239)	0,0347187	Gphn, Mrps6, Eno3, Tslp, Sin3a, Nr2f2, Top1, Tpm3, Cdc27, Sh3kbp1, Dusp6, Plxnb1, Bnc2
V\$OCT1_06	12(1239)	0,0355802	Ank3, Chd2, Rcor1, Map4k5, Baz1a, Rest, Syne2, Rpa2, Foxp1, Nfyb, Dlx1, Bcl2
V\$MYOD_Q6_01	11(1239)	0,0361189	Hyal2, Egr2, Stmn1, Ppif, Acaa2, Hn1, Runx1, Hmga1, Psp1, Bcl7a, Fbxo32
V\$EVI1_05	9(1239)	0,0372665	Chd2, Nek6, Nrp1, Stoml2, Luc7l, Cyp26b1, Sox11, Myct1, Satb2
V\$PAX5_01	8(1239)	0,0375253	Asxl1, Lig1, Dlx1, Cdc27, Arf6, Cdc40, Prpf4b, Nrf1
V\$SMAD3_Q6	11(1239)	0,0385609	Ltbp1, Chd2, Mtmr4, Tgif2, Foxp1, Nr2f2, Top1, Fgf7, Jub, Bzw2, Hmgb1
V\$GATA3_01	11(1239)	0,0398787	Syncrip, Crif1, Klf5, Rhobtb3, Sox12, Pou2f1, Sh3kbp1, Jub, Bnc2, Satb2, Spred2
V\$NKX62_Q2	11(1239)	0,0427268	Cdkn2c, Chd2, Ets1, Sdpr, Zic1, Dlx1, Xpo1, Marcks, Bnc2, Myo1b, Etv4
V\$LBP1_Q6	10(1239)	0,0433828	Cdkn2c, Egr2, Tbx3, Tnnt2, Supt16h, Pcf11, Hmga2, Bcl7a, Ythdf2, Trit1
V\$OCT1_B	12(1239)	0,0437495	Notch1, Arcp5, Stag1, Egr2, Foxp1, Cnrm4, Nfyb, Dusp6, Cdk2, Gprc5b, Satb2, Bcl2
V\$MYOGENIN_Q6	11(1239)	0,0437595	Cdkn2c, Rrad, Axl, Eno3, Elk3, Igsf3, Sumo2, Nedd4l, Pcf11, Hmga2, Erh
V\$AML1_01	11(1239)	0,0437595	Ank3, Egr2, Vrk1, Tnnt2, Pou2f1, Supt16h, Nav3, Nfrkb, Rasal2, Sirt1, Pcf11
V\$AML1_Q6	11(1239)	0,0437595	Ank3, Egr2, Vrk1, Tnnt2, Pou2f1, Supt16h, Nav3, Nfrkb, Rasal2, Sirt1, Pcf11
V\$CART1_01	10(1239)	0,0461092	Cdkn2c, Chd2, Ppil5, Sox4, Stoml2, Pogz, Pou2f1, Pvr13, Pcf11, Bnc2
V\$EVI1_04	11(1239)	0,0465177	Cdkn2c, Ppil5, Rcor1, Klf5, Eif5, Stoml2, Pogz, Nr2f2, Zic1, Has2, Bub3
V\$AP4_01	11(1239)	0,0495214	Ltbp1, Hyal2, Ell2, Nutf2, Sin3a, Foxp1, Nab2, Dlx1, Nav3, Sox11, Dpf1
V\$TBP_01	11(1239)	0,0495214	Rcor1, Sema4b, Egr2, Ctcf, Schip1, Mat2a, Luc7l, Pank1, Cyp26b1, Bnc2, Fhl2
V\$ATF_B	9(1239)	0,0498357	Ltbp1, Elavl1, Ccna2, Suv39h2, Cd2ap, Rad51c, Gnb4, Pak1, Spred2

Table S2-miRNA. Functional annotation to “miRNA” of the downregulated, differentially expressed genes of Rasless MEFs

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-590-3p	84(1239)	1,36E-21	Etaa1,Ncaph,Gemin4,Timeless,Pcm1,Pop1,Cenpc1,Ercc6l,Whsc1,D19Bwg1357e,Ilf1205,Fhl2,Pole2,Setdb2,Cep192,Cenpj,Riok2,Msh2,Tiam2,Lrp8,BC055324,Rrm2,Fbxo5,Luc7l,Klhdc2,Msh3,Uspl1,Cacybp,Ccdc99,Pcna,Zmym1,Smek1,Cep152,4930547N16Rik,Casc5,Parp12,Gtf2h2,Depdc1a,Nup107,Traip,Ipo7,Top2a,Snrpd1,Snrpg,Cep70,Nme4,2610301G19Rik,Kin,Tpx2,Rbbp8,Nab2,Ints5,Nup88,Mpp6,Ankrd28,Rbm2,Mphosph10,Esco2,Mastl,Ruvbl2,Ociad2,Plscr1,Cnot6,Ell2,Nup133,Pum2,Akap8,Fancd2,Rcl1,Cenpk,Ppww1,Atrp,Pdss1,Thoc2,Utp11,Nol11,Smu1,Hells,Ppa1,Cebpz,Ltbp1,Cdc73,Ift74,Gtse1
mmu-miR-340-5p	76(1239)	1,45E-21	Ncaph,Timm8a1,Tmem39b,H2afv,Prim2,Dhx9,Ktn1,Fhl2,Prpf40a,Fus,Lrig3,Sass6,2610101N10Rik,Ddx27,Cep192,Ruvbl1,Nrf1,Mad2l1,Cep68,Ahctf1,Ttl4,Sltm,Tmem173,Rnps1,Luc7l,Klhdc2,Nudt1,Zfp184,Sh3kbp1,Pdk3,Thsd7a,Cep152,Pcnt,Cul4b,Ccng2,Ptpn2,2210018M11Rik,Depdc1a,Ssb,Palld,Rad54l,Pttg1,Bub1b,Pprc1,Sumo2,Rfc5,Zwilch,Pvr13,Fzd3,Kif2c,Zfp619,Gphn,Mphosph10,Nde1,Eif4enif1,Actl6a,Cdc40,Tnks2,Ilf3,Mastl,Actr3,Spp1,C79407,D16Erd472e,Fancd2,Ppww1,Utp11,Sf3a3,Whsc2,Hells,Pou2f1,Arf6,Gtse1,Siva1,Kif23,Hnrpd1
mmu-let-7b*	84(1239)	1,86E-21	Tnfai8,Tgif2,Prim2,Dhx9,Ktn1,Depdc1b,Nol9,Elf2,Pole2,Plk1,Trim59,Sass6,Pspc1,Cep192,Pnn,Dnmt1,Tpd52,Rbbp7,Aspm,Marcks,Ets2,Nuf2,Tiam2,Ahctf1,Hspd1,Zw10,Acad2,Nfyb,BC055324,Pim3,Mcm3,Luc7l,Dbr1,Klhdc2,Cand1,Agxt2l2,Aftph,Ash2l,Pik3c2a,Cd2ap,Pde1a,Slc25a5,Ccnb2,Abcb1b,Casc5,Pcnt,2310057M21Rik,Ptpn12,Ewrs1,Nasp,Wipf1,Ssb,Espl1,Pttg1,Ubqln2,Rasa1,Bub1b,Hmgb2,Ctsh,Hat1,Mpp6,Rsf1,lws1,Ube2t,Sip1,Nudt21,Fgf7,Casp8ap2,Pat21,Kif22,BC016423,Nsmce4a,Suv39h2,Mycn,Yes1,Cep55,Cnot6,Ddx10,Esf1,Apex1,Tmpo,Ift74,Zcchc11,Smc4
mmu-miR-467e	84(1239)	2,57E-20	Snx5,Nedd4l,Prim2,Prkar2b,Pwp2,Rnmt,Ktn1,Hspa8,Depdc1b,Plk4,Ogfrl1,Hmmr,Cenpq,Mrps22,1110020G09Rik,Bub1,Cep192,Pnn,Ccdc45,Cdc27,Aspm,Mup4,E2f8,Zc3h15,Yme1l1,Wsb1,Msh6,Mrps6,Dhx36,Acad2,Cacybp,Ccdc99,Eef1e1,Pik3c2a,Zmym1,Pla2g4a,Trip13,Ccnb2,BC031781,Thsd7a,Eif4a3,Casc5,Crlf1,Casp2,Zfp217,Hnrpl1,Pntp1,Depdc1a,Ewrs1,Acs13,Prpf38a,Usp6n1,Slco4a1,Myo1b,Wdr75,Nup11,Uchl5,Bub1b,Igtav,2810055F11Rik,Nme4,Psm14,Fzd3,Sox4,Cenpf,Ttc3,Pbk,Eif5,Cacna1c,Bnc2,Cep55,Rpl13a,Pdss1,Thoc2,Cnn3,Me2,Zfp281,Gpsm2,Nsl1,Cebpz,Rbm12,Ltbp1,Gtse1,2810417H13Rik
mmu-miR-208b	74(1239)	6,36E-20	6430527G18Rik,Timm8a1,Phf6,Marcks1,Dhx9,Gmnn,Ktn1,Txnrd1,Lrig3,Tes,U90926,1110020G09Rik,Cep192,Elp2,Cdc27,Mad2l1,Tox,Sltm,Mtf2,Tubb5,Fen1,Nfyb,Cenph,Aftph,Ccdc99,Stip1,Emg1,Slc25a5,Ccnb2,Psmc3ip,D1Bwg0212e,Zfp217,Ube2c,Spc25,Shcbp1,Polr2b,Sgms1,Prpf4b,Ptpn12,Ssb,Trim25,Asf1b,Card10,Csnk1a1,Kpna2,Rbm25,F630043A04Rik,Mbd4,Tpx2,Pbbp,Ube2t,3110003A17Rik,2410042D21Rik,Synj2,Mastl,Uspl3,Foxp1,Pkmyt1,5730559C18Rik,Plscr1,Ddx10,Fbxo32,Dcbl1,Rcl1,Cenpk,Cnn3,Sf3a3,Me2,Zfp281,Mrpl18,Ecd,Rrs1,Eps8,Pogz
mmu-miR-381	73(1239)	2,59E-19	Tnfai8,Sap30,H2afv,Upf3b,Nol9,Mum1,Nup37,Snapp3,Gemin6,Tes,Elavl1,Kif11,Ube2e3,Xpo7,Egr2,Zc3h15,Vrk3,Ahctf1,Hspd1,Tubb5,Lcorl,Rnps1,Dbr1,Klhdc2,Etf1,Tll1,Hspa14,Uspl1,Agxt2l2,Pik3c2a,Cd2ap,Pde1a,Ccnb2,Cep152,Ccnb1,Snrpa1,Pcnt,Tial1,Prpf38a,Nasp,Wipf1,Tube1,Asf1b,Snw1,Smc3,Rasa1,Prpf3,Cep70,Nme4,Arid4b,2610301G19Rik,Kin,Ube2t,Fzd3,3110003A17Rik,Clspn,Tipin,Pat21,Kif22,Actl6a,Lmnb2,Cep55,Flgln1,Ppww1,Vbp1,Smu1,Apex1,Dyrk3,463243411Rik,Egfl7,Rfc4,Gtse1,Mrpl18
mmu-miR-466d-3p	96(1239)	2,63E-19	Etaa1,Asph,Rbm26,Cenpc1,Dgcr8,Birc5,Prpf40a,Mum1,Mybbp1a,Zfp52,Pole2,Dsn1,Rangap1,Lrig3,Fubp1,Aurkb,1110020G09Rik,Bub1,Ythdf2,Elp2,Cenpj,Ccdc45,Aurka,Tcerg1,Riok2,Aspm,6720463M24Rik,Sltm,Schip1,Mtf2,Lcorl,Mcm3,Nfatc2ip,Tll1,Hspa14,Asxl3,Lin9,Eme1,Brd8,Gjc1,Ccnb2,Chuk,Abcb1b,Runx2,Mbtps2,Npn2,Mpz1,Rad51c,Set,Dusp6,Satb2,Gtf2h2,Depdc1a,Ewrs1,Zfp54,Nup11,Pttg1,Rasa1,Cdc7,Rbm25,Npm1,Ckap2,Ith2,Nme4,2610002M06Rik,Gli3,2610301G19Rik,Tpx2,Ube2t,Casp8ap2,Kif2c,Sox4,I1rap,2410042D21Rik,Gnl3,Topbbp1,Nsmce4a,Bnc2,Cep55,Spp1,Syne2,Slc43a3,Ddx10,Lmnb1,Fmnl3,Lrrc8c,Thoc2,Ddx39,A1848100,1700025G04Rik,Pcf11,Dyrk3,Cenpi,2010204K13Rik,Slc4a7,Kif23
mmu-let-7c-1*	84(1239)	3,17E-18	Ahsa1,Asph,Prim2,Cenpc1,Ktn1,Nol9,Taf5,Zfp606,Plk1,Trim59,Pank1,Med4,Pspc1,Cep192,Ddx46,Dnmt1,Egr2,Marcks,Ets2,Als2cr12,Ahctf1,Hspd1,Zw10,Slit2,Pim3,Mcm3,Pgk1,Fnbp1,Dbr1,Cand1,Rpl30,Setx,1700029F09Rik,Slc25a5,Ccnb2,Abcb1b,Psmc3ip,Cep152,B230120H23Rik,Casc5,Scrib,Pcnt,Rmi1,Depdc1a,Ewrs1,Nasp,Wipf1,Cbx3,Ran,Nusap1,Wdr75,Nfkbiz,Ubqln2,Uchl5,Hmgb2,Snrpd1,Neil3,Psm14,Cenpa,Hat1,Pigf,Ube2t,Nudt21,Fgf7,3110003A17Rik,Limd2,Gphn,Kif22,Ddx31,G3bp1,Nsmce4a,Mcm2,Yes1,Ociad2,Plscr1,Cnot6,Ddx10,Pold1,Dcbl1,Dtymk,Ppa1,Ltbp1,Ift74,Smc4
mmu-miR-466f-3p	92(1239)	2,94E-17	Sap30,Rbm26,Diap3,Ranbp1,Gmnn,Depdc1b,Mum1,Plk4,Mybbp1a,Ogfrl1,Ap1s3,Rangap1,Fubp1,Aurkb,Kif11,Ythdf2,Noc4l,Cep192,Cenpj,Aurka,Xpo7,Aspm,Als2cr12,Nol10,Tmem48,Sltm,Mtf2,Api5,Lcorl,Rnps1,BC055324,Mcm3,Nfatc2ip,Cenph,Klhdc2,Tll1,Hspa14,Asxl3,Smrce1,Denr,Uspl3,Cbx1,Gjc1,Ccnb2,Chst1,Mbtps2,Npn2,Lig1,Arilp6,Dusp6,Shcbp1,Gtf2h2,Casp8,Lrrk1,Ptpn12,Trim25,Asxl1,Pttg1,Cdc7,Bub1b,Nfx1,Ith2,Syt17,Gli3,Paip1,Egr1,Ctsh,Mkx,Cdca3,I1rap,Topbp1,Synj2,Pabpn1,Suv39h2,Foxp1,Plekha5,Bnc2,Cep55,Slc43a3,Lmnb1,Ell2,Akap8,Rfc2,Mast4,Thoc2,1700025G04Rik,Gmeb1,Pcf11,Tmpo,Cenpi,Cdc73,Mrpl18
mmu-miR-495	72(1239)	6,15E-17	Zfp292,Ercc6l,Ankrd32,Rnmt,Dhx9,Steap1,Plk4,Has2,Ppih,Fubp1,2610101N10Rik,Cep192,Ddx46,Elp2,Pnn,Dnmt1,Rbbp7,Nrf1,Cdc5l,Ahctf1,Ythdc1,Mrps6,BC055324,Mcm3,Snrpb,Etf1,Cand1,Pcna,Larp7,Lbr,Supt16h,Prpf38b,Dusp6,Ube2c,Polr2b,Lrrk1,Nup107,Rad54l,Pttg1,Snw1,Cdc7,Ckap2,Snrpd1,2810055F11Rik,Dbf4,Ptk7,Hn1,Unc13c,Rad18,Psm14,Nab2,Ube2t,Mphosph10,Polr3b,Eif5,Cct8,Ddx10,Rrad,Ell2,6330503K22Rik,Fancd2,Snrpb2,Sf3a3,Tnfai6,Incenp,Hells,Nup43,E130308A19Rik,Tmpo,Rbpj,Socs4,Pogz
mmu-miR-132	80(1239)	6,39E-17	Tnfai8,Arhgap22,Prim2,Upf3b,Dcctd,Cenpo,Setdb2,Pspc1,Pnn,Dnmt1,Pgm1,Pdia6,Pom121,Aspm,Msh2,Tmem176b,Msh6,Mrps6,Sltm,Mtf2,Slit2,Tgif1,Dusp9,Snrpb,Hdac2,Uspl10,Myc,Glul,Larp7,Cbx1,Gjc1,Scrib,Kif21a,Baz1a,Pcnt,Hbs1,Ccn2,Mtap,Ptpn12,Stoml2,Snw1,Nfkbiz,Rasa1,Cdc7,Pprc1,Hn1,Melk,Psm14,Ptcd3,Pvr13,Nudt21,Prps1,Socs6,Sox4,Eif4enif1,Topbbp1,Esco2,Actl6a,Ddx20,Dapp1,Mcm2,H2afz,Bnc2,Rrad,Ly75,Col7a1,Nob1,Ppww1,Trub1,Rpl13a,Bcl2l11,Incenp,463243411Rik,Cebpz,E130308A19Rik,Rbm12,Ecd,Vash2,Zcchc11,Smc4
mmu-miR-30b	79(1239)	6,64E-17	Etaa1,Chd1,2810046L04Rik,Shmt1,6430527G18Rik,Sap30,Diap3,Trim24,Vegfc,Rnmt,Dhx9,Fhl2,Plk4,Wdr82,Zfp52,Cenpq,Prdx4,Ppih,Mapk8,Ddx46,Dnmt1,Aspm,Ank3,Tiam2,Ythdc1,Nol10,Msh6,Utp18,Nfatc2ip,Dbr1,Tll1,Hspa14,Rpl30,Stip1,Chst1,Runx2,Arilp6,Scrib,Kntc1,Smc5,Hbs1,Gtf2h2,Rad54l,Tube1,Slco4a1,Wdr75,Nup11,Csnk1a1,Rasa1,Cdc7,Bub1b,Cdca4,Arid4b,Zcchc2,Ube2t,Racgap1,Limd2,Casp6,Actl6a,Cct8,Tnrc6a,Cnot6,Rrad,Spca24,Ell2,Nolc1,Stmn1,Gprc5c,Fancd2,Dcbl1,2610027L16Rik,Pdss1,TEX10,463243411Rik,Cdca7,Ppa1,Terf1,Mrpl18,Ahcy1
mmu-miR-130b	78(1239)	6,71E-17	Sub1,1110012J17Rik,Rcc2,Tnpo1,Prkar2b,Rbmxrt,Caprin1,Gmnn,Depdc1b,Eef1g,Vps36,Spre2,Snx7,Fosl1,Cenpq,Ihd3a,Emb,Ythdf2,Ddx46,Mup4,Parp1,Zc3h15,Tiam2,Kif18a,Suv39h1,Apex2,Hdac2,Aebp2,Ttyh3,Cdca2,Zfp184,Enpp1,Ccdc99,Ncapg2,Pde1a,Gins1,Ncapd2,Chst1,Abcb1b,Cep152,Satb2,2310057M21Rik,Rpl12,Acs13,Sf3a1,Fbl,Slco4a1,Smndc1,Kpna2,Smc3,Rpa2,Cep70,Nme4,2610301G19Rik,Nab2,Hat1,Chd2,Ptcd3,Dut,Limd2,Gemin8,Tipin,Slco1a5,Mastl,Rbm14,Cct8,Tnrc6a,Ssrp1,B3galnt1,Ab12,D16Erd472e,Cep170,Pcf11,Tnfai6,Khdrbs1,C330027C09Rik,Ivns1abp,Slc4a7

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-20b	78(1239)	7,42E-17	Nedd4l,Diap3,Dffb,Zfp292,Gmnn,Dkc1,Mum1,Tes,Fubp1,2610101N10Rik,1110020G09Rik,Dnmt1,Ube2e3,Rbbp7,Msh2,Egr3,D2Wsu81e,Rest,Tiam2,Ahctf1,Nt5dc2,Prim1,Cdk2,Mcm3,Sfpq,Rrm2,Rad21,Cep57,Lin9,Hmgb3,Pde1a,Abcb1b,Ca sc5,Rad51c,Scrib,Zfp217,Idh2,Tslp,Ccng2,Gtf2h2,Casp8,Lrrk1,2210018M11Rik,Ewrs1,Metap1,Zfp54,Us3,Kpna2,Rasa1,Bub1b,Top2a,Rpa2,Wee1,Arid4b,Gli3,Aifm1,Nup88,Mpp6,lws1,Fzd3,Lrig1,Bbs12,Mcm7,Actl6a,Pthr2,Tnks2,Mastl,Ddx20,Osmr,Mycn,Cep55,Rfc2,Rsrc2,Thoc2,463243411Rik,Cdca7,Ezh2,Cebpz
mmu-miR-208	68(1239)	7,48E-17	Timm8a1,Pop1,H2afv,Marcks1,Gmnn,Ktn1,Depdc1b,Lrig3,Tes,U90926,Emb,1110020G09Rik,Cep192,Elp2,Cdc27,Tox,Sl tm,Mtf2,Tubb5,Cdk2,Fen1,Pgk1,Cenph,Aftph,Ccdc99,Emg1,Slc25a5,Cttna1,Psmc3ip,D1Bwg0212e,Zfp217,Spc25,Shcbp 1,Rbbp4,Polr2b,Sgms1,Ptpn12,Ssb,Trim25,Asf1b,Csnk1a1,Kpna2,Ckap2,F630043A04Rik,Mbd4,Tpx2,Ppbb,Ube2t,Mpho sph10,Ss18,Patz1,Wdr73,Synj2,Mastl,Us37,Foxp1,Pkmyt1,Ddx10,Fbxo32,Dcbl1d,Rcl1,Cnn3,Sf3a3,Mrpl18,Ecd,Rrs1,Ep s8,Pogz
mmu-miR-7a*	64(1239)	7,58E-17	6430527G18Rik,2700050L05Rik,Zfp292,Fhl2,Steap1,Wdr3,1110020G09Rik,Cep192,Exosc8,Dnmt1,Myef2,Tiam2,Zw10,Dhx36,Tubb5,Cdk2,Snrbp,Sfpq,Msh3,Zic1,Eef1e1,Pla2g4a,Zmynd19,2700029M09Rik,Casc5,Polr2b,Cul4b,Prpf4b,22100 18M11Rik,Sf3a1,Trim25,Fbl,Hmgb1,Zfp7,Nupl1,Kpna2,Bub1b,Hspa4l,2810055F11Rik,Syt17,Kin,Mpp6,Trp53bp2,Dut,Xp o1,Nutf2,Nsmce4a,Ilf3,Umps,Cnot6,Rrad,C79407,Dcbl1d,Mrpl50,Rsrc2,Cenpk,Psm5,Thoc2,Sf3a3,Nsl1,Rbm12,Gtse1,2 010204K13Rik,Ecd
mmu-let-7a*	74(1239)	1,31E-16	Tgif2,Prim2,Dhx9,Amd1,Ktn1,Nol9,Elf2,Pole2,Plk1,Sass6,Med4,Pspc1,Cep192,Ddx46,Dnmt1,Rbbp7,Aspm,Marcks,Ets2,Nuf2,Ahctf1,Hspd1,Zw10,Utp18,Acaa2,Ect2,BC055324,Pim3,Rad21,Luc7l,Klhdc2,Pik3c2a,Emg1,Pde1a,Slc25a5,Ccnb2,C asc5,Kif21a,Pcnt,Rpl12,Ptpn12,Ewrs1,Nasp,Wipf1,Espl1,Ubqln2,Rasa1,Hmgb2,Itgav,Arid4 b,Ctsh,Hat1,Mpp6,Ptld1,Ube2t,Sip1,Nudt21,Fgf7,Casp8ap2,Slc38a1,Kif22,G3bp1,Nsmce4a,Suv39h2,Mycn,Yes1,Cnot 2,Sip1,Casp8ap2,Slc38a1,Patz1,Kif22,Nsmce4a,Mycn,Yes1,Cep55,Cnot6,Ddx10,Pum2,Psm5,Incenp,Tmpo,lft74,Top1,Zcchc11,Smc4
mmu-let-7f*	76(1239)	1,35E-16	2810046L04Rik,Tnfaip8,Prim2,Abi1,Dhx9,Ktn1,Nol9,Zfp606,Pole2,Plk1,Ripk2,Sass6,2610101N10Rik,Pspc1,Cep192,Rbb p7,Aspm,Marcks,Nuf2,Ahctf1,Hspd1,Zw10,Acaa2,Ect2,Nfyb,BC055324,Pim3,Luc7l,Dbr1,Klhdc2,Cd2ap,Emg1,Pde1a,Slc2 5a5,Ccnb2,Abcb1b,Casc5,Kif21a,Cul4b,Rsnb1,Ccng2,Ptpn12,Ewrs1,Nasp,Wipf1,Nusap1,Espl1,Ubqln2,Rasa1,Hmgb2,Itgav,Arid4 b,Ctsh,Hat1,Mpp6,Ptld1,Ube2t,Sip1,Nudt21,Fgf7,Casp8ap2,Slc38a1,Kif22,G3bp1,Nsmce4a,Suv39h2,Mycn,Yes1,Cnot 6,Nufip1,Ddx10,Esf1,Incenp,Cdc73,lft74,Zcchc11,Smc4
mmu-miR-466b-3-3p	85(1239)	1,51E-16	Etaa1,Asph,Rbm26,Cenpc1,Birc5,Gmnn,Prpf40a,Mum1,Zfp52,Pole2,Dsn1,Rangap1,Lrig3,Fubp1,Cenpo,Aurkb,1110020 G09Rik,Bub1,Ythdf2,Elp2,Cenpj,Ccdc45,Aurka,Tcerg1,Riok2,Aspm,6720463M24Rik,Sltm,Lcorl,Mcm3,Tll1,Asxl3,Lin9,Em e1,Cbx1,Brd8,Ccnb2,Chuk,Abcb1b,Mbtps2,Npn2,Mpz1,Rad51c,Set,Dusp6,Shcbp1,Satb2,Gtf2h2,Depdc1a,Ewrs1,Zfp54,Nupl1,Pttg1,Rasa1,Cdc7,Rbm25,Npm1,Ckap2,Nfx1,Ithi2,2610002M06Rik,Gli3,Tpx2,Ube2t,Casp8ap2,Kif2c,2410042D21 Rik,Gnl3,Topbp1,Nsmce4a,Pabpn1,Cdc6,Bnc2,Spp1,Syne2,Slc43a3,Ddx10,Lmnb1,Lrrc8c,Thoc2,Pcf11,Dyrk3,Cenpi,2010 204K13Rik,Mrpl18
mmu-miR-363	78(1239)	1,99E-16	Fmr1,Rbm26,H2afv,Birc5,Ankr32,Dhx9,Fhl2,Ets1,Taf5,Snx7,Has2,Dcp1a,Cenpo,Ncl,Bub3,Aurka,Cdc27,Mup4,Nrf1,E2f8 ,Ahctf1,Cit,2510012J08Rik,Rhobtb3,Lrp8,Tgif1,Nfatc2ip,Cenph,Asxl3,Ppil1,Ccdc99,Rpl30,Setx,Larp7,Smek1,B230120H2 3Rik,Prpf38b,Set,Arl4c,Kif21a,Cul4b,Rsnb1,Ccng2,Casp8,Mtap,Rpl12,Acs13,Hyal2,Lyar,Myo1b,Kpna2,E330009J07Rik,Bu b1b,Hspa4l,Mbd4,Soat1,Kif22,Gnl3,BC016423,Gas2l3,Prc1,Cep55,Ssrp1,Syne2,Rrad,Fancd2,Dcbl1d,Dtymk,Ppww1,Thoc 2,Ptger4,Cdca8,Incenp,Ppa1,Cdh10,Dock5,Mrpl18,Ecd
mmu-miR-142-5p	67(1239)	2,46E-16	Etaa1,Zfp275,Erc6l,Skp2,Dhx9,Ktn1,Lrig3,Atad2,Sass6,Mnd1,Dnmt1,Nrf1,Ilf2,Ahctf1,Msh6,Mrps6,Schip1,Hdac2,Us3p10 ,Ccdc99,Ung,Pkn3,Ccnb2,Zc3h8,Imp3,Ptpn2,Vrk1,Lrrk1,Depdc1a,Metap1,Zfp451,Tube1,Rbm25,Bub1b,Pif1,Ckap2,Snrb d1,Paip1,Melk,Mtm1,Hat1,Rsf1,Pvrl3,Pbk,U2af2,Ilf3,Mastl,Us37,Ncapg,Tpp2,Mycn,Cnot6,Akap8,Pafah1b3,C79407,Gp rc5c,Tacc3,Thoc2,A1848100,Twistnb,Zfp281,Khdrbs1,Terf1,Tpbp,Hnrpd1,Zcchc11,Pogz
mmu-miR-292-5p	77(1239)	3,78E-16	Shmt1,Cdca7l,Tmem39b,Arhgap22,Pcm1,Prim2,Ufp3b,Depdc1b,Cks1b,Zfp334,Tnnt2,Phactr4,Rangap1,Paxip1,Setdb2,C ep192,Riok2,Ddx52,Myef2,Ank3,Cep68,Tiam2,Lcorl,Hdac2,Tube1c,Luc7l,Agxt2l2,BC027072,Ash2l,Rml1,Glul,Cct2 ,Ncapg2,Gins1,Cbx1,Prpf38b,Ccrn4l,Set,Gsg2,Imp3,Gtf2h2,Prpf4b,Prpf38a,Csnk1a1,Us3p,Nfkbiz,Smc3,Dimt1,Npm1,49 30579G24Rik,Tead2,2810055F11Rik,Mbd4,Snrpg,2810025M15Rik,Rsf1,lws1,Axl,Pvrl3,Clsnp,Zbtb12,Wdr73,Sertad1,Ga s2l3,Cacna1c,Mycn,Tnrc6a,Bnc2,Gprc5c,Alkbh1,Ptpb2,1110004E09Rik,Tex10,Ezh2,Wdh1,Cirh1a
mmu-miR-20a	77(1239)	3,78E-16	Nedd4l,2810046L04Rik,Diap3,Dffb,Zfp292,Gmnn,Pole2,Has2,Dsn1,1110020G09Rik,Dnmt1,Ube2e3,Rbbp7 ,Egr3,Rest,Tiam2,Ahctf1,2510012J08Rik,Slc11a2,Utp18,Prim1,Cdk2,Brca1,Mcm3,Sfpq,Rad21,Armc8,Cenph,Lin9,Ccnb2, Abcb1b,Casc5,Rad51c,Scrib,Idh2,Tslp,Hnrpl,Ccng2,Gtf2h2,Casp8,Lrrk1,2210018M11Rik,Ewrs1,Metap1,Zfp54,Us3p,Kpn a2,Klh23,Bub1b,Top2a,Rpa2,Wee1,Hn1,Arid4b,Gli3,Aifm1,Tpx2,Nup88,Mpp6,lws1,Fzd3,Bbs12,Mcm7,Actl6a,Tnks2,Ma stl,Osmr,Mycn,Ociad2,Cep55,Rsrc2,Thoc2,463243411Rik,Ezh2,Cebpz
mmu-miR-323-3p	75(1239)	6,59E-16	Fmr1,6430527G18Rik,Dffb,Sirt1,Marcks1,Rnmt,Dhx9,Ufp3b,Prpf19,Ddx46,Rdx,Ube2e3,I13ra1,6720463M24Rik,E2f8, Myef2,Parp1,Vrk3,Tiam2,Nudt1,Cand1,Aftph,Enpp1,Cep152,Gppb1,Rad51c,Scrib,Ncapd3,Zfp217,Cul4b,Vangl2,Gnb4,G tf2h2,Ptpn2,Ewrs1,Smc3,E330009J07Rik,Mbd4,Snrpg,Cep70,Nt5c3l,Rad18,Psm14,Net1,Chd2,Igfs3,Ptcd3,Fzd3,Ints7,N de1,Patz1,Ttc3,Synj2,Cdc40,Ilf3,Foxp1,Eif5,Cacna1c,Tnrc6a,Mboat2,El12,Th1l,Bcl2l11,Nol11,Smu1,H2afz,Zfp281,Hells,E zh2,Tmpo,Fancd,Cdt1,Mrpl18,Rbpj,Hnrpd1
mmu-miR-17	78(1239)	1,08E-15	Nedd4l,2810046L04Rik,Diap3,Zfp292,Mum1,Pole2,Has2,Dsn1,1110020G09Rik,Dnmt1,Pdia6,Rbbp7,Msh2,Egr3,Rest,Tia m2,Ahctf1,Nt5dc2,2510012J08Rik,Slc11a2,Tmem48,Tmem173,Cdk2,Brca1,Mcm3,Sfpq,Rad21,Armc8,Cenph,Cep57,Lin9 ,Hmgb3,Eme1,Ccnb2,Abcb1b,Cep152,Casc5,Rad51c,Scrib,E130303B06Rik,Zfp217,Idh2,Tslp,Ccng2,Gtf2h2,Casp8,Lrrk1,2 210018M11Rik,Ewrs1,Metap1,Zfp54,Us3p,Kpna2,Bub1b,Top2a,Wee1,Nme4,Arid4b,Gli3,Aifm1,Nup88,Mpp6,lws1,Fzd3 ,Bbs12,Mcm7,Actl6a,Tnks2,Mastl,Ddx20,Osmr,Mycn,Cep55,Rsrc2,Thoc2,463243411Rik,Ezh2,Cebpz
mmu-miR-466a-3p	86(1239)	1,09E-15	Etaa1,Asph,Rbm26,Cenpc1,Birc5,Mum1,Mybbp1a,Zfp52,Pole2,Dsn1,Ccne1,Rangap1,Lrig3,Fubp1,Cenpo,Aurkb,111002 0G09Rik,Bub1,Elp2,Cenpj,Ccdc45,Aurka,Aspm,Sltm,Schip1,Lcorl,Mcm3,Tll1,Hspa14,Asxl3,Lin9,Eme1,Brd8,Ccnb2,Chuk, Abcb1b,Mbtps2,Npn2,Mpz1,Rad51c,Set,Dusp6,Satb2,Gtf2h2,Depdc1a,Ewrs1,Zfp54,Asf1b,Nupl1,Pttg1,Rasa1,Cdc7,Rb m25,Npm1,Ckap2,Ithi2,2610002M06Rik,Gli3,Tpx2,Ube2t,Casp8ap2,Kif2c,Sox4,I11rap,2410042D21Rik,Gnl3,Topbp1,Ns mce4a,Bnc2,Cep55,Spp1,Syne2,Slc43a3,Ddx10,Lmnb1,Lrrc8c,Thoc2,Ddx39,A1848100,1700025G04Rik,Pcf11,Dyrk3,Cen pi,2010204K13Rik,Mrpl18,Kif23
mmu-miR-20a*	62(1239)	1,57E-15	Tgif2,Pcm1,Rbm26,Dnaja2,Birc5,Fhl2,Zfp606,Tnnt2,Ogfr1,Spag5,Smpd3b,Ccne1,Fubp1,Strbp,Wdr3,Kif11,Dnmt1,Ptpre ,Mad2l1,Ahctf1,Casp3,Snrbp,Zic1,Tll1,Pcna,Sh3kbp1,Larp7,Trip13,1700029F09Rik,2700029M09Rik,2310057M21Rik,H2 afy,Hmgb1,E330009J07Rik,Npm1,Neil3,Tk1,Wee1,Snrpg,Rfc5,Mkx,Hat1,Chd2,Ankrd28,Pvrl3,Fgf7,3110003A17Rik,Dut,S lc38a1,Patz1,Ttc3,Tpm3,Nsmce4a,Ilf3,Us37,Nav3,Stmn1,Fancd2,E330016A19Rik,Gart,Ezh2,Wdh1
mmu-miR-221	68(1239)	1,64E-15	Shmt1,Pcm1,Dffb,Prim2,Dgcr8,Mcm5,Dhx9,Hspa8,Zfp606,Spag5,Mki67,Zfp760,Las1l,Noc4l,Cep192,Dnmt1,Msh2,Tme m176b,Nrf1,Nfyb,BC055324,Snrbp,Rrm2,Pgk1,Cep57,Exo1,Ccdc99,Eef1e1,Sh3kbp1,Zfp532,Pde1a,Ccnb2,Gppb1,Zc3h8, Recql4,Rad54l,Ran,Asxl1,Pttg1,Smc3,Cdca4,Ckap2,Tk1,Adsl,Cep70,Trit1,3110003A17Rik,Ghr,Gnl3,Pbk,Nsmce4a,Cdc40,Osmr,Pkmyt1,Pum2,Stmn1,Abl2,Fancd2,Nob1,Arhgap19,Flgn1,2610027L16Rik,Lifr,Cdca8,Tpbp,2810408A11Rik,Scoc4, Pogz

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-200c	77(1239)	1,69E-15	Chd1,2810046L04Rik,Diap3,Prkar2b,Abi1,Rnmt,Skp2,Gmnn,Depdc1b,Zfp334,Has2,2810008M24Rik,Ripk2,Fubp1,Cep192,Tcerg1,Riok2,Ndc80,Aspm,Msh2,Xkr5,Ruvbl1,Ahctf1,Ythdc1,Mcm4,Schip1,Mtf2,Tuba1c,Fbxo5,Psp1,Lin9,Ctbp2,Zfp532,Pla2g4a,Usp34,Matr3,U2af1,Usp14,Mapk1,Hn11,Smc5,Idh2,Parp12,Cng2,Ewrs1,Acsl3,Ssb,Cbx3,Ran,Usp6nl,Ptges3,Tardbp,Cdc7,Hmgbl2,4930579G24Rik,Neil3,Arid4b,Ckap4,Anln,Smc2,Kcnk2,Asf1a,Strap,Pold1,B3galnt1,Gprc5c,Rsrc2,FIGL1,Cep170,Rpl13a,Atrx,Pdss1,Thoc2,Pcf11,E130308A19Rik,Top1,Eif2s1
mmu-miR-30c	74(1239)	2,40E-15	Etaa1,Chd1,2810046L04Rik,6430527G18Rik,Sap30,Diap3,Trim24,Vegfc,Rnmt,Dhx9,Fhl2,Wdr82,Cenpq,Ppih,Cpsf6,Dnm1,Aspm,Msh2,Ank3,Tiam2,Ythdc1,Msh6,Mrps6,Nfyb,BC055324,Dbr1,Hspa14,Cand1,Rpl30,Stip1,Chst1,Arl6ip6,Kntc1,Hbs1l,Gtf2h2,Sbno1,Stag1,Rad54l,Nusap1,Slco4a1,Wdr75,Nupl1,Rasa1,Rbm25,Bub1b,Cdca4,Dbf4,Arid4b,Ctsh,Zcchc2,Ube2t,Limd2,Cenpf,Actl6a,U2af2,Synj2,Tnrc6a,Cnot6,Rrad,Sp2c4,Lmnb1,Nol1,Stmn1,Abf2,Gprc5c,Fancd2,Dcbl1,2610027L16Rik,TEX10,Zfp281,Ppa1,Terf1,Mrpl18,Ahcy1
mmu-miR-374	62(1239)	2,52E-15	Nono,Fmr1,Vegfc,Dhx9,Ktn1,Plk4,Nup37,Acly,Ddx46,Tpd52,Mad2l1,Nuf2,Ythdc1,Tll4,Prim1,Hdac2,Dbr1,Tfdp1,Sgol1,Slc25a5,Kif20a,Psmc3ip,Rad51c,Ccrn4l,Shc1p1,2310057M21Rik,Ccng2,Atad5,Depdc1a,Ptpn12,Wipf1,Nup107,Zfp451,CoBl1,Tardbp,Kpna2,2810055F11Rik,Neil3,Ith2,Dbf4,Paip1,Hat1,Fgf7,Ints7,Trp53bp2,Smc2,Nsmce4a,Suv39h2,Foxp1,Cep55,Esf1,Akap8,Ppww1,Atrx,Pdss1,Zfp281,Hells,Cdca7,Fancb,Ltbp1,Top1,Rbpj
mmu-miR-144	70(1239)	5,97E-15	Nedd4l,NcapH,Timm8a1,Pwp2,Dhx9,Kif2a,Nup37,Has2,Pank1,Med4,110020G09Rik,Cep192,Elp2,Dnmt1,Ube2e3,Ddx52,Rbbp7,Marcks,E2f8,Ppat,Dis3,Kif18a,Nol10,Mcm4,Utp18,Sin3a,Hdac2,Cct2,Zfp3612,Pla2g4a,Gins1,Bzw2,Arl6ip6,Ncapd3,Kif21a,Shc1p1,Idh2,Hnrp1b,Polr2b,Cul4b,Ptgn12,Ssb,Hmgbl1,Larp4,Smc3,4930579G24Rik,Nr2f2,2810055F11Rik,Paip1,Ctsh,Hat1,Rsf1,Wdr55,Ghr,Gnl3,Nsmce4a,Usp37,Nup155,Plscr1,Cnot6,Ddx10,Nav3,Esf1,Cenpk,Cep170,Rpl13a,Phlda1,Me2,Gtse1,Zcchc11
mmu-miR-290-5p	73(1239)	7,77E-15	Hsp90aa1,Cdca7l,Arhgap22,Rcc2,H2afv,El1,Mcm5,Ufp3b,Depdc1b,F2rl1,Bclaf1,Spag5,Atad2,Setdb2,Cep192,Riok2,Ddx52,Pdia6,I13ra1,Nrf1,Myef2,Ank3,Cep68,Tiam2,Mcm3,Hdac2,Rad21,Luc7l,Tfdp1,Tll1,Agxt2l2,Matr3,2610039C10Rik,Cbx1,Brd8,Ccrn4l,Set,Gsg2,2310057M21Rik,Imp3,Gtf2h2,Prpf4b,Stoml2,Smc3,Dimt1,Npm1,Hspa4l,2810055F11Rik,Rpa2,2810025M15Rik,Rsf1,Axl,Pvrl3,Racgap1,Cenpf,Nde1,Hmgn1,Zbtb12,Ahcy,Sertad1,Ilf3,Cacna1c,Mycn,Tnrc6a,Nav3,Gprc5c,Fancd2,Lrrc8c,Ptbp2,1110004E09Rik,TEX10,Pcf11,Cirh1a
mmu-miR-291b-3p	78(1239)	7,94E-15	Nedd4l,Lrrc45,1110012J17Rik,Pcm1,Diap3,Dffb,Mtmr4,D19Bwg1357e,Gmnn,Elf2,Vps36,Snx7,Ctsw,Ppih,Tes,Fubp1,Bub3,Ube2e3,Mup4,6720463M24Rik,Msh2,Tiam2,Iftm3,Fbxo5,Armc8,Etf1,Myc,Zfp184,Glul,Setx,B230120H23Rik,E130303B06Rik,Pcnt,Shc1p1,Hnrp1b,Hbs1l,Casp8,Polr1,2210018M11Rik,Ssb,Zfp451,Ankrd57,Zfp54,2810474O19Rik,Wdr75,Nupl1,Usp3,Ubqln2,Uchl5,Topors,Pprc1,Cep70,Nt5c3l,Mtm1,Net1,Ptcd3,Zfp619,Apitd1,Mcm7,Actl6a,2410016O06Rik,Slco1a5,Mastl,Anp32b,Tnrc6a,Spp1,Syne2,Mcm6,Lrrc8c,Mrpl50,Ppww1,Cdca8,Snu1,Incenp,Hells,H2afy2,Cks2,Kif23
mmu-miR-429	71(1239)	8,14E-15	Nedd4l,2810046L04Rik,Prkar2b,Errf1,Birc5,Rnmt,D19Bwg1357e,Gmnn,Nsun2,Spred2,Has2,2810008M24Rik,Fubp1,Cep192,Cep192,Ddx46,Tcerg1,Riok2,Ndc80,Mup4,Ruvbl1,Zc3h15,Ahctf1,Mcm4,Schip1,Zfp770,Slit2,Lcorl,Fbxo5,Klhdc2,Cep57,Lin9,Cdc25a,Hmgbl3,Zfp532,Pla2g4a,2610039C10Rik,U2af1,Casp2,Idh2,Suz12,Cng2,Ssb,Usp6nl,Larp4,Cdc7,Teard2,Pprc1,Top2a,Unc5c,Arid4b,Ckap4,Anln,Smc2,Kcnk2,Asf1a,Mycn,Mboat2,Actr3,Pold1,B3galnt1,Mcm6,Gprc5c,Rcl1,Rsrc2,FIGL1,Rpl13a,Mast4,Snrbp2,Thoc2,E130308A19Rik
mmu-miR-34b-3p	69(1239)	9,27E-15	Lrrc45,Prim2,Cenpc1,Prkar2b,Marcks1,Dhx9,Nol9,Kif2a,Plk4,Mki67,Pank1,Tcerg1,Riok2,Ddx52,Msh2,Zc3h15,Tll4,Sltm,Taf5l,Tmem173,Mthfd1,Tuba1c,Rad21,Armc8,Usp1,Cand1,Ppil1,Rpl30,Pcna,Pde1a,Psmc3ip,Cep152,U2af1,Casc5,Lig1,Scrib,Snrpa1,Polr1,Prpf4b,H2-K1,Fbl,Traip,Ipo7,Chaf1b,Pif1,Snrpd1,Dbf4,Arid4b,Psmd14,Smchd1,Cdca3,Clspn,Syncrip,Apitd1,Ahcy,Pold3,Anp32b,Fmnl3,B3galnt1,Cenpk,Ppww1,Ddx39,Khdrbs1,Cdc73,Ahcy1,Dnajc9,Kif23,Dmap1,Pogz
mmu-miR-212	76(1239)	1,05E-14	Tnfaip8,Arhgap22,Prim2,Dnaja2,Ufp3b,Elf2,Ccne1,Cenpo,Setdb2,Pspc1,Pnn,Pgm1,Pdia6,Pom121,Aspm,Msh2,Tmem176b,Vrk3,Msh6,Utp18,Sltm,Mtf2,Dusp9,Snrbp,Myc,Glul,Ung,Setx,Larp7,Cbx1,Gjic1,B230120H23Rik,Scrib,Kntc1,Smc5,Kif21a,Baz1a,Pcnt,Rps9,Recql4,Ptgn12,Spry2,Snw1,Nfkbiz,E330009J07Rik,Cdc7,Pprc1,Top2a,Hn1,Pvrl3,Socs6,Sox4,Eif4eni1,Topbp1,Pbk,U2af2,Rbm14,Ddx20,Lmn2,Dapp1,Mcm2,H2afz,Bnc2,Rrad,Ly75,Col7a1,Nob1,Ppww1,Rpl13a,Bcl2l11,Twistnb,Incenp,Cebpz,E130308A19Rik,Ecd,Zcchc11
mmu-miR-148a	75(1239)	1,18E-14	Chd1,Rcc2,Prkar2b,Pwp2,Fancm,Whsc1,Depdc1b,Snx7,Ctsw,Plk1,Dnmt1,Ube2e3,Egr2,Parp1,Nuf2,Lrp8,Myc,Cand1,Smc5,Cdca2,Chuk,Lbr,Psmc3ip,Cep152,Rad51c,Prpf38b,Ncapd3,Zc3h8,Baz1a,Hbs1l,Sgms1,Imp3,Ptpn2,H2-K1,Ppp1cc,2210018M11Rik,Ewsr1,Trim25,Ankrd57,Slco4a1,Nupl1,Usp3,Ccna2,Uchl5,Phf17,Snrpd1,Snrbp,Nme4,Nmral1,Gli3,Ctsh,Psmd14,Plxnb1,Ptcd3,Jub,Dut,Gemin8,Tipin,Lrig1,Tinf2,Tbx3,Gas2l3,Dapp1,Tnrc6a,Srpp1,Syne2,B3galnt1,Abf2,Litaf,Whsc2,C330027C09Rik,463243411Rik,Myct1,Tmpo,Dnajc9
mmu-miR-148b	73(1239)	2,01E-14	Chd1,Rcc2,Prkar2b,Pwp2,Erc6l,Whsc1,D19Bwg1357e,Depdc1b,Snx7,Ctsw,Plk1,Dnmt1,Ube2e3,Egr2,Nrf1,Parp1,Nuf2,Lrp8,Acaa2,Hdac2,Myc,Cand1,Cdca2,Chuk,Lbr,Psmc3ip,Cep152,Rad51c,Ncapd3,Zc3h8,Zfp217,Hbs1l,Sgms1,Imp3,Ptpn2,H2-K1,Ppp1cc,Ewsr1,Trim25,Ankrd57,Slco4a1,Usp3,Kpna2,Ccna2,Uchl5,Phf17,Snrpd1,Snrbp,Nme4,Nmral1,Gli3,Ctsh,Psmd14,Plxnb1,Ptcd3,Axl,Dut,Nde1,Tbx3,Topbp1,Stt3b,Gas2l3,Dapp1,Mycn,Tnrc6a,Syne2,B3galnt1,6330503K22Rik,Abf2,Wtsc2,Myct1,Tmpo,Dnajc9
mmu-miR-30a	72(1239)	2,41E-14	Etaa1,Chd1,2810046L04Rik,6430527G18Rik,Sap30,Diap3,Prim2,Trim24,Vegfc,Rnmt,Dhx9,Cenpq,Prdx4,Ppih,Atad2,Las1l,Ddx46,Aspm,Msh2,Mad2l1,Tox,Ythdc1,Msh6,Nfyb,Dbr1,Hspa14,Cand1,Rpl30,Pla2g4a,Chst1,Arl6ip6,Ccnf,Kntc1,Smc5,Hbs1l,Imp3,Gtf2h2,Rad54l,Slco4a1,Wdr75,Rasa1,Cdc7,Cdca4,2810055F11Rik,Neil3,Arid4b,Zcchc2,Psmd14,Ube2t,Limd2,Actl6a,Cct8,Tnrc6a,Cnot6,Rrad,Abf2,Ly75,Fancd2,Dcbl1,Mre11a,Cenpk,Trub1,2610027L16Rik,Snrbp2,TEX10,Zfp281,463243411Rik,Ppa1,Terf1,Mrpl18,Ahcy1,Eftud2
mmu-miR-301b	70(1239)	3,53E-14	Snx5,Nedd4l,Lrrc45,Diap3,Vps36,Snx7,Has2,Wdr3,Ddx46,5730590G19Rik,Mup4,Tiam2,Gspt1,Kif18a,Sfpq,Hdac2,Myc,Csf1,Cdca2,Zfp184,Enpp1,Ccdc99,Ncapg2,Pde1a,Gins1,Matr3,Ncapd2,Chst1,Ccrn4l,Snrpa1,Hbs1l,Gnb4,Rpl12,Fbl,Slco4a1,Ptges3,Smndc1,Wdr75,Nupl1,Ncam1,Usp3,Nap1l1,Hspa4l,Nme4,Arid4b,Kpnb1,Nab2,Hat1,Chd2,Mpp6,Smchd1,Fgf7,Nde1,Apitd1,Slco1a5,Rbm14,Ddx20,Prc1,Anp32b,Tnrc6a,B3galnt1,Mcm6,Lrrc8c,FIGL1,Atrx,Vbp1,Khdrbs1,Ivns1abp,Kif23,Hnrpdl
mmu-miR-568	62(1239)	3,97E-14	H2afv,Dhx9,D19Bwg1357e,Depdc1b,Mum1,Zfp52,Fosl1,Pole2,Plk1,Lrig3,1110020G09Rik,Cep192,Cenpj,Dnmt1,Ube2e3,Ddx52,6720463M24Rik,E2f8,Ahctf1,Hspd1,Wsb1,Dhx36,Snrbp,Cenph,Klhdc2,Stip1,Pla2g4a,Ccnb2,Ccnb1,Scrib,Baz1a,Shc1p1,Cul4b,Hbs1l,2310057M21Rik,Polr1,Pnpt1,Depdc1a,Nupl1,Pttg1,Rbm25,Teard2,Nfx1,Snrpd1,Dbf4,2610002M06Rik,Egr1,Chd2,Mpp6,Ube2t,Cenpe,Eif4eni1,Topbp1,Actl6a,Eif5,Bnc2,Plscr1,Cnot6,Dcbl1,Hirip3,Cenpk,Cenpi
mmu-miR-93	71(1239)	4,77E-14	Nedd4l,Pcm1,Diap3,Zfp292,Tnpo1,Gmnn,Vps36,Dsn1,2610101N10Rik,1110020G09Rik,Dnmt1,Rbbp7,Egr3,D2Wsu81e,Rest,Vrk3,Tiam2,Mcm3,Rrm2,Cep57,Lin9,Setx,Pde1a,Gbbp1,2700029M09Rik,Casc5,Arl6ip6,Rad51c,Scrib,Idh2,Cng2,Gtf2h2,Casp8,Lrrk1,2210018M11Rik,Metap1,Zfp54,Ipo7,Kpna2,Rasa1,Khlh23,Rpa2,Wee1,Hn1,Runx1,Aifm1,Mtm1,Nup88,Mpp6,lws1,Pvrl3,Fzd3,Socs6,Lrig1,Bbs12,Mcm7,Fbln1,Actl6a,Tnks2,Mastl,Ddx20,Mycn,Tnrc6a,Spp1,Ddx10,Rfp4l,463243411Rik,Cdca7,Cebpz,Rbl1,Gtse1

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-703	64(1239)	4,98E-14	Nono,Sap30,Prim2,Tnpo1,Prkar2b,Dgcr8,Ranbp1,Pwp2,Dhx9,D19Bwg1357e,Kif2a,Gemin6,Prpf19,Rangap1,Fubp1,2610101N10Rik,Srp1k,Pnn,Dnmt1,Parp1,Ctcf,Zw10,Mrps6,Slit2,Brc1a,Sms,Lin9,Ctbp2,Smc5,Pcnt,Rpl12,Ewrs1,Tial1,Ssb,Traip,2810474O19Rik,Nupl1,Cdc7,Bub1b,Cdca4,2810055F11Rik,Dbf4,Cep70,Trit1,Cenpa,2810025M15Rik,Ube2t,Pvrl3,Cct3,Fgfr1op,Tpm3,Bnc2,Cep55,Plscr1,Ddx39,Ptger4,Phlda1,Incenp,4632434I11Rik,Ivns1abp,Ppa1,Uhrf1,Kif23,Wdr36
mmu-miR-465a-5p	67(1239)	5,19E-14	Sap30,Pcm1,Diap3,Zfp292,Prx,Ifi205,Pak1,Kif2a,Plk4,Spag5,Has2,2810008M24Rik,Las11,Elavl1,Cep192,Ddx46,Cenpj,Ccdc45,Dnmt1,Pgm1,Msh2,Blm,Por,Cct7,Ddx18,Fbxo5,Msh3,Usip1,Exo1,Eef1e1,Dusp4,Pcna,Cdc25a,Trip13,Kif20a,Crlf1,Ube2c,Casp8,Sbno1,Kpna2,Smc3,Hmgb2,Rfc5,Mtm1,Psm14,Ints5,Pigf,Casp8ap2,Dus31,Actl6a,Mastl,Strap,Cep55,Cnot6,B3galnt1,Tacc3,Cenpk,Twistnb,Rad51,Gart,Terf1,2010204K13Rik,Dnajc9,Ecd,Eif2s1,Socs4,Smc4
mmu-miR-302b*	63(1239)	5,27E-14	6430527G18Rik,Prim2,Prkar2b,Rbmxrt,D19Bwg1357e,Gmnn,Zfp52,Ogfr1,Mki67,Prpf19,Paxip1,Fubp1,Pspc1,Elp2,Ccdc45,Aurka,Pgm1,Ruvbl1,Zc3h15,Polr1e,Dis3,Gspt1,Ppil5,Zw10,Blm,Klhdc2,Cand1,Ctbp2,Larp7,Ncapg,Ctnna1,Abcb1b,Scrbp,Cul4b,Gnb4,Stk17b,Lyar,Pallid,2810474O19Rik,Chek1,Zfp53,Ccna2,Klhl23,Ckap2,Pank4,Rbbp8,Pvrl3,Dut,Zbtb12,Pbk,Impa1,Bnc2,Ociad2,Nufip1,Elf2,Trub1,Tnfaip6,Ccdc18,4632434I11Rik,Slc4a7,Hnrpdl,Eif2s1,1810011O10Rik
mmu-miR-101a	74(1239)	5,36E-14	Chd1,Ncapg,Cdca7,Tmem39b,Zfp292,Tnpo1,Prkar2b,Ranbp1,Rbmxrt,Mcm5,Rnmt,Ktn1,Bclaf1,Has2,Noc41,Ddx46,Pgm1,Rbbp7,6720463M24Rik,Msh2,Hspe1,Ythdc1,Sltm,Junb,Aebp2,Rrm1,Cct2,Cd2ap,Zfp3612,Gjc1,U2af1,Bzw2,Zfp217,Spc25,Ccng2,Gtf2h2,Ptpn2,Metap1,Chek1,Larp4,Tardbp,Kpna2,Nfx1,Top2a,Prpf3,Rad18,Hat1,Msl1,Ptcd3,Dut,Abhd10,Ghr,Neto2,Wdr73,Nsmce4a,Tnks2,Foxp1,Prc1,Mycn,Cnot6,Lmn1b,Stmn1,Bhlhb9,Dcblid1,Zcchc8,Rsrc2,Atrx,Etv4,Phlda1,Me2,Rad51,Ezh2,Cebpz,Ecd
mmu-miR-200b	73(1239)	5,85E-14	Chd1,2810046L04Rik,Prkar2b,Birc5,Abi1,Skp2,D19Bwg1357e,Gmnn,Nsun2,Spred2,Ripk2,Fubp1,Cenpo,Setdb2,Cep192,Tcerg1,Riok2,Ndc80,Ruvbl1,Nrf1,Tiam2,Ahctf1,Ythdc1,Mcm4,Schip1,Zfp770,Slit2,Tuba1c,Fbxo5,Lin9,Ctbp2,Dusp4,Zfp532,Pla2g4a,Matr3,U2af1,Ccnb1,Idh2,Suz12,Ccng2,Ssb,Tube1,Usip6n,Asxl1,Cdc7,Pprc1,2810055F11Rik,Neil3,Arid4b,Anln,Smc2,Kcnk2,Ghr,Strap,Mycn,Mboat2,Pold1,B3galnt1,Gprc5c,Rcl1,Arhgap19,Rsrc2,Figl1,Cep170,Rpl13a,Atrx,Psm5,Thoc2,Pcf11,Hells,Ezh2,E130308A19Rik,Socs4
mmu-miR-544	63(1239)	6,22E-14	Lrrc45,Sap30,Arhgap2,Ccne1,Sass6,Nipsnap1,2010002N04Rik,Mapk8,Strbp,Bub3,Rdx,6720463M24Rik,Tiam2,Pdap1,Prim1,Taf5l,Mthfd1,Lsm2,Pgk1,Sms,BC027072,Ash2l,Exo1,Emg1,Pla2g4a,Ccnb2,Gppb1,2700029M09Rik,E130303B06Rik,Zc3h8,Snrpa1,Recq4,Gpr126,Cul4b,Gtf2h2,H2afy,Acsl3,Zfp53,Pttg1,Rasa1,Dimt1,Gins4,Mns1,Snrpg,Pigf,Axl,Sfxn1,Prr11,Pvrl3,Dut,Socs6,Clspn,Patz1,Rps13,Foxp1,H2afz,Bnc2,Cnot6,Rrad,Gprc5c,Sf3a3,Apex1,H2afy2
mmu-miR-181c	69(1239)	7,62E-14	Tgif2,1110012J17Rik,Prkar2b,Rnmt,D19Bwg1357e,Fhl2,Cks1b,Plk4,Aurkb,Pspc1,Ythdf2,Noc41,Elp2,Tcerg1,Pdia6,Bcl10,6720463M24Rik,Nrf1,Vrk3,Wsb1,Fxn,Schip1,Pdap1,BC055324,Nfatc2ip,Armc8,Msh3,Ccdc99,Pcna,Pla2g4a,Mbtps2,Gppb1,Usip14,4930547N16Rik,Ccnf,Snrpa1,Troap,Gtf2h2,H2-K1,Crebzf,Ppp1cc,Rad54l,Cdc7,Hmgb2,Nfx1,Rpa2,Melk,Psm14,Racgap1,Fgf7,3110003A17Rik,Actl6a,Wdr73,Cdc40,Foxp1,Dapp1,E2f7,Col7a1,1110004E09Rik,Erh,Phlda1,Me2,Incenp,Gpsm2,Ppa1,Cenpi,Nxt1,Rbj,Smc4
mmu-miR-33*	51(1239)	8,11E-14	Pcm1,Rcc2,H2afv,Gmnn,Steap1,Snx7,Plk1,Cenpq,Prdx4,1110020G09Rik,Pdia6,Aspm,Msh2,Kif18a,Wsb1,Blm,Cct7,Dbr1,Pcna,Pla2g4a,Thsd7a,Cep152,B230120H23Rik,Sgms1,Lrrk1,Rpl12,Ewrs1,Metap1,Cobll1,Esp1,Asxl1,Pttg1,Pprc1,Top2a,Dbf4,Rbbp8,Zwilch,3110003A17Rik,Dut,Zbtb12,2410016O06Rik,Tnks2,Usip37,Rif1,Nup133,Ly75,Whsc2,Smu1,Ppa1,Tpbg,Slc4a7
mmu-miR-106a	71(1239)	8,87E-14	Nedd4l,Diap3,Zfp292,Gmnn,Taf5,Vps36,Mum1,Elk3,Dsn1,2610101N10Rik,Wdr3,1110020G09Rik,Dnmt1,Rbbp7,Egr3,Rest,Ahctf1,Slc11a2,Mcm3,Sfpq,Rrm2,Rad21,Armc8,Cep57,Pde1a,Abcb1b,2700029M09Rik,Casc5,Rad51c,Scrib,Idh2,Tslp,Ccng2,Gtf2h2,Casp8,2210018M11Rik,Ewrs1,Metap1,Zfp54,Ipo7,Usip3,Kpna2,Rasa1,Bub1b,Top2a,Rpa2,Wee1,Aifm1,Nup88,Mpp6,Iws1,Fzd3,Racgap1,Ints7,Lrig1,Bbs12,Mcm7,Actl6a,Tnks2,Mastl,Ddx20,Osmr,Mycn,Cep55,Ddx10,Rsrc2,Stil,Ppwd1,Thoc2,Ezh2,Cebpz
mmu-miR-297a*	54(1239)	1,18E-13	Etaa1,Sap30,Asph,Rbm26,Cenpc1,Birc5,Mum1,Rangap1,Fubp1,Aurkb,Bub1,Aurka,Aspm,Lcorl,Tll1,Asxl3,Lin9,Usip34,Eme1,Gjc1,Ccnb2,Chuk,Mbtps2,Set,Dusp6,Satb2,Gtf2h2,Depdc1a,Zfp54,Nupl1,Pttg1,Rbm25,Npm1,Ckap2,Ith2,Ube2t,Casp8ap2,3110003A17Rik,2410042D21Rik,Gnl3,Topbp1,Nsmce4a,Bnc2,Cep55,Slc43a3,Ddx10,Lmn1b,Alkbh1,Lrrc8c,Thoc2,A1848100,1700025G04Rik,Pcf11,Cenpi
mmu-miR-590-5p	67(1239)	1,37E-13	Etaa1,6430527G18Rik,Asph,Pcm1,2700050L05Rik,Skp2,Elf2,Vps36,Plk1,Ccne1,Pspc1,Bub3,Bcl10,D2Wsu81e,E2f8,Nrp1,Dhx36,Dbr1,Hspa14,Usip1,Myc,Nudt1,Cacybp,Eef1e1,Pcna,Zmym1,Cd2ap,Pde1a,Gins1,Ctnna1,Cep152,B230120H23Rik,Crlf1,Snrpa1,Satb2,Casp8,Pnt1,Depdc1a,Fanca,Spry2,Larp4,Snw1,Smc3,Igav,Mbd4,Wee1,Cep70,Mtm1,2810025M15Rik,Ptcd3,Pvrl3,Cct3,Tinf2,Foxp1,H2afz,Ddx10,Mcm6,Zcchc8,Trub1,Atrx,1110004E09Rik,Twistnb,Rad51,Gart,Ccdc18,Tmpo,Pogz
mmu-miR-875-3p	63(1239)	1,39E-13	Sap30,1110012J17Rik,Impa2,Skp2,Elf2,Nup37,Paxip1,Kif4,Mnd1,Srp1k,Ddx46,Tcerg1,Pgm1,Riok2,Aspm,Kif18a,Impdh2,Lcorl,Hdac2,Fnbp1,Dbr1,Hspa14,Cand1,Serbp1,Trim28,Bzw2,Frat2,Ewrs1,Tube1,Cbx3,2810474O19Rik,Smndc1,Card10,Usip3,Hmgb2,Nfx1,Dbf4,Arid4b,Zwilch,Cenpa,Nab2,Ints5,Pvrl3,3110003A17Rik,Rps13,2410016O06Rik,Cdc40,Ddx20,Impa1,Plscr1,Cnot6,Nav3,6330503K22Rik,Cenpk,Cep170,Ppwd1,Pdss1,Phlda1,Hells,Pou2f1,Kif23,Socs4,Cirh1a
mmu-miR-224	68(1239)	2,33E-13	Ahsa1,Asph,Prim2,Prkar2b,Impa2,Dhx9,Fhl2,Depdc1b,F2r1l,Ogfr1,Dctd,Rangap1,Sass6,Ddx27,Rpl7a,Tcerg1,6720463M24Rik,Ank3,Dis3,2510012J08Rik,Epc2,Nfrkb,Nfatc2ip,Pcna,Sh3kbp1,Pkn3,Chuk,Mbtps2,Casc5,Kif21a,Hbs1l,Fbl,Esp1,Zfp53,Usip3,Ier2,Bub1b,Igav,Nme4,2610002M06Rik,Mtm1,Sip1,Pvrl3,Dut,Cenpe,Zfp619,Cct3,Plekhh2,Dus3l,Ttc3,Apitd1,Polr3b,Tnks2,Ddx20,Eif5,Ruvbl2,Ociad2,Srpr1,Slc43a1,Syne2,Col7a1,Smu1,C330027C09Rik,Egfr1,H2afy2,Arf6,2010204K13Rik,Eftud2
mmu-miR-30e	71(1239)	2,47E-13	Etaa1,Sap30,Diap3,Prim2,Trim24,Vegfc,Dhx9,Cenpq,Prdx4,Ppih,Atad2,Rapgef2,Las11,Ddx46,Aspm,Mad2l1,Tox,Msh6,Nfyb,BC055324,Dbr1,Hspa14,Cand1,Rpl30,Pla2g4a,Chst1,Arl6ip6,Ccnf,Scrib,Kntc1,Smc5,Gtf2h2,Sbk1,Rad54l,Tube1,Slco4a1,Wdr75,Rasa1,Rbm25,Cdca4,Mmd,2810055F11Rik,Neil3,Dbf4,Unc5c,Arid4b,Zcchc2,Psm14,Ube2t,Limd2,Cct3,Abhd10,Actl6a,Cct8,Tnrc6a,Cnot6,Rrad,Abi2,Fancd2,Dcblid1,Cenpk,Trub1,Rpl13a,2610027L16Rik,Tex10,Zfp281,4632434I11Rik,Ppa1,Terf1,Mrpl18,Ahcy1l
mmu-miR-291a-3p	71(1239)	3,13E-13	Etaa1,Prpf31,Caprin1,4930422G04Rik,Ankrd32,Skp2,Gmnn,Spred2,Bclaf1,Mum1,Ctsw,Cenpq,Kif4,1110020G09Rik,Dnmt1,Msh2,Egr3,Rest,Vrk3,Tox,Ahctf1,Schip1,Nfrkb,Zic1,Rpl30,Larp7,Abcb1b,Cep152,Casp2,Scrib,E130303B06Rik,Zfp217,Idh2,Tslp,Ccng2,Gtf2h2,Lrrk1,Ankrd57,Asf1b,Tyms,Kpna2,Snw1,Colec12,Rpa2,Wee1,Hn1,Runx1,Aifm1,Nup88,Sip1,Casp8ap2,Wdr55,Dut,Bbs12,Gnl3,Asf1a,Synj2,Foxp1,Ddx20,Cep55,Rsrc2,Mast4,Pdss1,Thoc2,Tnfaip6,Ccdc18,4632434I11Rik,Pou2f1,Cebpz,Gtse1,Slc4a7
mmu-miR-301a	68(1239)	3,30E-13	Nedd4l,Lrrc45,Diap3,Depdc1b,Vps36,Snx7,Has2,Wdr3,Ddx46,Mup4,Ptprc,Tiam2,Gspt1,Epc2,Sfpq,Hdac2,Myc,Cdca2,Zfp184,Enpp1,Ccdc99,Nek6,Ncapg,Pde1a,Gins1,Ncapd2,Chst1,Ccrrn4l,Snrpa1,Hbs1l,Rpl12,Ewrs1,Fbl,Slco4a1,Ptges3,Smndc1,Wdr75,Nupl1,Usip3,Nap11,Hspa4l,Snrpd1,Nme4,Cenpa,Hat1,Chd2,Ptcd3,Smchd1,Fgf7,Dut,Apitd1,Slco1a5,Rbm14,Ddx20,Tnrc6a,Cnot6,Nav3,B3galnt1,Mcm6,Lrrc8c,Figl1,Ppwd1,Atrx,Vbp1,Khdrbs1,Ccdc18,Cks2,Kif23

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-721	68(1239)	3,47E-13	1110012J17Rik,Pcm1,Diap3,Rcc2,2700050L05Rik,Prkar2b,Mtmr4,Caprin1,Dhx9,Depdc1b,Taf5,Has2,Emb,Ythdf2,Cep192,Ddx46,Mup4,Tiam2,Kif18a,Fen1,Hdac2,Tuba1c,Ttyh3,Armc8,Cenph,Zfp184,Enpp1,Ccdc99,Cd2ap,Ncapg2,Pde1a,Gins1,Matr3,Ncapd2,Dtl,Chst1,Abcb1b,Hbs1l,2310057M21Rik,Sgms1,Imp3,Ssb,Slco4a1,Nap11l,Ubqln2,Rpa2,Nme4,Hat1,C hd2,Ptcd3,Jub,Dut,Socs6,Limd2,Actl6a,Slco1a5,Rbm14,Cct8,Tnrc6a,Ssrp1,B3galnt1,Lrrc8c,Cep170,Pcf11,Tnfaip6,Khdrb s1,Cks2,Dnajc9
mmu-miR-598	64(1239)	3,70E-13	Shmt1,Zfp292,Prim2,Birc5,Cks1b,F2rl1,Snx7,Mybbp1a,Has2,Ripk2,Nipsnap1,Rapgef2,2010002N04Rik,Pdgbf,1110020G 09Rik,Ddx46,Nrf1,Ank3,Impdh2,Taf5l,Gins2,Asxl3,Agxt2l2,Sms,Ppil1,Pla2g4a,Usp34,Slc25a5,Cep152,Casc5,Set,Ncapd3, Zfp217,Recql4,Cul4b,Rad54l,Slbp,Ncam1,Teard2,Gli2,Neil3,Ptk7,Snrpg,Trit1,Pkp2,Psm14,Chd2,Pigf,Cdca3,Pvrl3,Fgf7,In ts7,Sox4,Kif22,Nutf2,Wdr73,Sertad1,Bnc2,Nav3,Pum2,Thoc2,1700054N08Rik,H2afy2,Dmap1
mmu-miR-465c-5p	65(1239)	5,92E-13	Sap30,Pcm1,Zfp292,Irfi205,Spred2,Pak1,Kif2a,Plk4,Spag5,Has2,2810008M24Rik,Las1l,Cep192,Ddx46,Cenpj,Ccdc45,Dnm t1,Pgm1,Riok2,Msh2,Cdc5l,Dis3,Blm,Por,Ddx18,Msh3,Usp1,Agxt2l2,Eef1e1,PCna,Cd2ap,Kif20a,Crfl1,Casp8,Polr1,Prpf4 b,Fanca,Cobll1,Smc3,Gins4,Hmgb2,2810055F11Rik,Psm14,Ints5,Pigf,Casp8ap2,Prkg2,Actl6a,Mastl,Cep55,Cnot6,Tacc3 ,Pola2,Rad51,Gart,Egfl7,Ppa1,Nsl1,Terf1,2010204K13Rik,Dnajc9,Ecd,Eif2s1,Socs4,Smc4
mmu-miR-338-5p	64(1239)	6,69E-13	Pop1,Prkar2b,Abi1,Dhx9,Ktn1,Cks1b,Prdx4,Ccne1,2610101N10Rik,Strbp,Ddx46,Rpl7a,Dnmt1,Riok2,Ets2,D2Wsu81e,Nu fg2,Kif18a,Casp3,Mtf2,Blm,Cacybp,Cep57,Lin9,PCna,Cd2ap,Hmgb3,Gins1,Slc25a5,Cht11,Abcb1b,Dhodh,Cul4b,Hbs1l,Ptp n2,Ptpn12,Nxf1,Cobll1,Spry2,Pttg1,Tardbp,Pif1,Gli2,Pank4,Magoh,Fgf7,Fgf10p,Esco2,Nsmce4a,Mycn,Yes1,Ssrp1,Ddx1 0,Mcm6,Rfp4,Col7a1,Zcchc8,Flgn1,Cenpk,Atrp,Psm5,Pou2f1,Ift74,Rrs1
mmu-miR-322*	57(1239)	6,72E-13	Nedd4l,Khsrp,Ktn1,Fosl1,Spag5,Smpdl3b,Aurkb,1110020G09Rik,Ccdc45,Tiam2,Cldn12,Usp34,Eme1,Cep152,Mbtps2,Gs g2,Msh2,Cdc5l,Dis3,Blm,Por,Ddx18,Msh3,Usp1,Agxt2l2,Exo1,Eef1e1,PCna,Kif20a,Crfl1,Casp8,Polr1,Prpf4b,Fanca,Nup1 07,Smc3,Gins4,Hmgb2,2810055F11Rik,Psm14,Ints5,Pigf,Cdca3,Casp8ap2,Actl6a,Mastl,Hltf,Cep55,Tacc3,Cenpk,Pola2, Twistnb,Gart,Ppa1,Nsl1,Terf1,2010204K13Rik,Dnajc9,Ecd,Kif23,Eif2s1,Socs4,Smc4
mmu-miR-465b-5p	64(1239)	6,94E-13	2810046L04Rik,Ranbp1,Prpf40a,Nol9,Elf2,Mki67,Plk1,Prdx4,Ccne1,Rapgef2,Las1l,Aurkb,Mapk8,Pdgbf,6720463M24Rik, Cep68,Nol10,Tll4,Tmem48,Blm,Tubb5,Tmem173,Cdk2,Sfpq,Bach1,Cenph,Sms,Smarc21,Ung,Usp34,1700029F09Rik,Cb x1,Abcb1b,Eif4a3,Lig1,Scrib,Ihd2,Otud4,Hbs1l,2310057M21Rik,Nasp,Nxf1,Zfp54,Espl1,E330009J07Rik,Ccna2,Cdc7,Cdca 4,Dbf4,Prpf3,Kin,Psm14,Hat1,Cdca3,Sertad1,Impa1,Pkmyt1,Mycn,Nav3,Lmn1b,Pafah1b3,Dcbl1,Col7a1,Zcchc8,Rsrc2 ,Bcl2l1,Etv4,H2afx,Rad51,Fanca,Cdh10,Smarcc1
mmu-miR-29b	72(1239)	7,65E-13	Snx5,Ahsa1,Tmem39b,Dffb,Prx,Prpf40a,Cks1b,Spred2,Zfp606,Crim1,Etv6,Mki67,Ripk2,2010002N04Rik,Ythdf2,Dnmt1,B cl10,Rbbp7,Aspm,D2Wsu81e,Tox,Fxn,Sin3a,Fen1,Mcm3,Armc8,Tfdp1,Usp1,Rpl3,Ppil1,Setx,Zmynd19,1700029F09Rik,C ep152,B230120H23Rik,Npn2,Set,Ncapd3,Parp12,Ewsr1,Wipf1,Pttg1,Ier2,Rasa1,Ccna2,Hmgb2,Igav,Tk1,Psm14,Mpp6, Fgf7,3110003A17Rik,Polr3b,Suv39h2,Cnot6,Rrad,Specc1,Zcchc8,Nob1,Dtymk,Ppa1,Wdhd1,E130308A19Rik,Tmpo,Ltbp 1
mmu-let-7i*	65(1239)	7,68E-13	Ncaph,Cdca7l,Tmem39b,Zfp292,Tnpo1,Prkar2b,Ranbp1,Rbmxrt,Rnmt,Ktn1,Cks1b,Bclaf1,Has2,Noc4l,Ddx46,Pgm1,Rbbp 7,6720463M24Rik,Msh2,Hspe1,Sltm,Junb,Mcm3,Aebp2,Rrm1,Cct2,Zfp36l2,U2af1,Bzw2,Zfp217,Sp25,Baz1a,Cng2,Gtf 2h2,Ptpn2,Polr1,Metap1,Nasp,Larp4,Mns1,Nfx1,Top2a,Prpf3,Rad18,Ctsh,Hat1,Ptcd3,Pvrl3,Dut,Abhd10,Fgfr10p,Neto2, Wdr73,Nsmce4a,Tnks2,Prc1,Mycn,Yes1,Lmn1b,Stmn1,Bhlhb9,Dcbl1,Rsrc2,Atrp,Cnn3,Etv4,Phlda1,Me2,Rad51,Ezh2,Ce bpz
mmu-miR-101b	71(1239)	9,35E-13	Cdca7l,Pcm1,Depdc1b,Cks1b,Bclaf1,Atad2,Setdb2,Med4,Cep192,Ddx52,Tiam2,Mtf2,Hdac2,Luc7l,Armc8,Tfdp1,Agxt2l2, Matr3,Cbx1,Runx2,Gpbbp1,Bzw2,Set,Rbbp4,Imp3,Gtf2h2,Prpf4b,Pnpt1,Csnk1g3,Csnk1a1,Smc3,Npm1,Hspa4l,2810055F 11Rik,2810025M15Rik,Iws1,Pvrl3,Sox4,Zbtb12,Wdr73,Sertad1,Gal2l3,Cacna1c,Mycn,Tnrc6a,Sp24,Gprc5c,Lrrc8c,1110 004E09Rik,Zfp281,Ezh2,Cirh1a
mmu-miR-293*	52(1239)	1,38E-12	Asph,Tmem39b,Abi1,Ankrd32,Ktn1,Steap1,Snapp3,Acly,Ihd3a,2610101N10Rik,Ythdf2,Rbbp7,Mad2l1,Tox,Dis3,Nrp1,Hs pd1,Ccne2,Msh6,Mrps6,Tgif1,Lcorl,Cct7,Cct5,Cbfb,Cep57,Ctbp2,Matr3,2610039C10Rik,Usp14,Sp25,Pcnt,2310057M2 1Rik,Wipf1,Cobll1,Fbl,Ran,Nup11,Uspp3,Kpna2,Smc3,Cdca4,Paip1,Mxk,Dut,Toppb1,Pbk,Actl6a,Nsmce4a,Rif1,Cct8,Yes1, Ddx10,Hirip3,Vbp1,Cdca8,Khdrbs1,Hells,Nup43,Arf6
mmu-miR-802	60(1239)	1,44E-12	Prim2,Tnpo1,Prkar2b,Vegfc,Gmnn,Snx7,Mki67,Cenpq,Atad2,Rpl7a,Ddx52,Tiam2,Mtf2,Hdac2,Armc8,Cbfb,Agxt2l2,Aftp h,Sgol1,Larp7,Matr3,Abcb1b,Mp2l1,Scrib,2310057M21Rik,Imp3,Depdc1a,Prpf38a,Stk17b,Lyar,Smndc1,Nfkbiz,Teard2,To p2a,2810055F11Rik,Ith2,Paip1,Pkp2,2810025M15Rik,Anln,Syncrip,Abhd10,Zbtb12,Asf1a,Ints2,Mycn,Plscr1,Nav3,Fmnl 3,Akap8,Specc1,Nob1,Mre11a,Thoc2,Cnn3,Pepp1,Eftud2,Slc4a7
mmu-miR-302a*	58(1239)	1,66E-12	Chd1,6430527G18Rik,Sap30,Ahsa1,Asph,Gemin4,Rcc2,H2afv,Eccc6l,Ankrd32,Dhx9,Ktn1,Cks1b,Rfwd3,Mum1,Ogfr1,Sp ag5,Plk1,Dck,Sass6,Cenpo,Rapgef2,Las1l,Aurkb,Bub1,Ythdf2,Ythdc1,Tgif1,Dbr1,Hspa14,Lin9,PCna,Ccnb2,Set,Ptpn12,Sf1 ,Tube1,Nusap1,Espl1,Usp3,Nfkbiz,Hmgb2,Arid4b,Rbbp8,Ube2t,Jub,Mphosph10,Fbln1,Eif5,Plscr1,Rrad,Col7a1,Zfp281,K hdrbs1,Siva1,Ecd
mmu-miR-494	56(1239)	1,67E-12	Etaa1,Tmem39b,Pop1,Dhx9,Gmnn,Pak1,Kif2a,Bclaf1,Atad2,Strbp,1110020G09Rik,Noc4l,Elp2,6720463M24Rik,Msh2,Vil 1,Nrf1,Hspd1,Tmem48,Schip1,Cct5,Hspa14,Rcc1,Egfr,Pla2g4a,Abcb1b,Cep152,4930547N16Rik,Casc5,Ube2c,Baz1a,Pcn t,Pnpt1,2810474O19Rik,Kpna2,E330009J07Rik,Npm1,1110034A24Rik,Top2a,2810055F11Rik,Neil3,Cep70,Slc9a3r1,Paip 1,Kin,Ppbb,Ckap4,Mpp6,Pvrl3,Anln,Pbk,Wdr73,Foxp1,Ncapg,Ddx10,Nob1,Lifr,Sf3a3,2010204K13Rik,Zcchc11
mmu-miR-101b	71(1239)	9,35E-13	Etaa1,Nedd4l,2810046L04Rik,Tnfaip8,Sap30,Diap3,Prim2,Trim24,Dhx9,Steap1,Wdr82,Cenpq,Ppib,Las1l,Ddx46,672046 3M24Rik,Msh2,Mad2l1,Tox,Ythdc1,Epc2,Msh6,Rnf138,BC055324,Dbr1,Hspa14,Rpl30,Pla2g4a,Chst1,Ccnf,Scrib,Kntc1,S mc5,Hbs1l,Gtf2h2,Rad54l,Slco4a1,Wdr75,Ckap2l,Cdca4,Neil3,Dbf4,Zcchc2,Psm14,Ube2t,Limd2,Rfc3,Actl6a,Cct8,Tnrc 6a,Cnot6,Rrad,Sp24,Abf2,Fancd2,Dcbl1,Cenpk,Trub1,2610027L16Rik,Tex10,Zfp281,463243411Rik,Ppa1,Terf1,Mrpl1 8,Ahcy11
mmu-miR-30d	66(1239)	1,82E-12	2810046L04Rik,Cdca7l,Zfp292,Impa2,Birc5,Prx,Dhx9,Irfi205,Ktn1,Fhl2,Eef1g,Nup37,Txnrd1,Atad2,U90926,Wdr3,Elp2,Pn n,Dnmt1,Nfrkb,Cct7,Sfpq,Ddx18,Cand1,Asxl3,Cep57,Emg1,BC031781,Cep152,Dhodh,Ncapd3,Ube2c,Pcnt,Polr1,Ppp1cc ,Prpf38a,Ssb,Tube1,Ckap2,Top2a,Hn1,Rfc5,Cep70,2610002M06Rik,Nab2,Cenpn,Casp8ap2,Plekhh2,Gphn,Tpm3,Synj2,N smce4a,Ilf3,Plscr1,Fancd2,Rfc2,Ppww1,Utp11l,Incenp,Ccdc18,Pou2f1,H2afy2,2010204K13Rik,Kif23
mmu-miR-743a	64(1239)	2,01E-12	2810046L04Rik,Rbm26,Zfp292,Nup54,Dhx9,Ktn1,Prpf40a,Depdc1b,Steap1,Kif2a,Zfp52,Tnnt2,2810008M24Rik,Sass6,Rn f2,Wdr3,Ppat,Ahctf1,Hspd1,Mrps6,Fen1,Aebp2,Cct5,Nudt1,Agxt2l2,Egfr,Larp7,Matr3,Ncapd2,Pdk3,Dusp5,Ankrd10,Cas c5,Snrpa1,Recql4,Hbs1l,Sbno1,Pnpt1,Mcm10,Fbl,Rbm25,Bub1b,Gtppb10,Snrpd1,Prpf3,Unc13c,Arid4b,Kin,Net1,28100 25M15Rik,Ptcd3,Pigf,Pvrl3,Trp53bp2,Patz1,Neto2,Actl6a,Trpc2,Bhlhb9,Hirip3,Polr2,Ezh2,Cdt1,Mrpl18
mmu-miR-199a-3p	64(1239)	2,12E-12	2810046L04Rik,Rbm26,Zfp292,Nup54,Dhx9,Ktn1,Prpf40a,Depdc1b,Steap1,Kif2a,Zfp52,Tnnt2,2810008M24Rik,Sass6,Rn f2,Wdr3,Ppat,Ahctf1,Hspd1,Mrps6,Fen1,Aebp2,Cct5,Nudt1,Agxt2l2,Egfr,Larp7,Matr3,Ncapd2,Pdk3,Dusp5,Ankrd10,Cas c5,Snrpa1,Recql4,Hbs1l,Sbno1,Pnpt1,Mcm10,Fbl,Rbm25,Bub1b,Gtppb10,Snrpd1,Prpf3,Unc13c,Arid4b,Kin,Net1,28100 25M15Rik,Ptcd3,Pigf,Pvrl3,Trp53bp2,Patz1,Neto2,Actl6a,Trpc2,Bhlhb9,Hirip3,Polr2,Ezh2,Cdt1,Mrpl18

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-376c	60(1239)	2,43E-12	Nedd4l,Ncaph,Diap3,Prkar2b,Gmnn,Ktn1,Fhl2,Vps36,Mum1,Acly,Ppih,Noc4l,Ddx46,Cenpj,Riok2,Nuf2,Tox,Prim1,Snrpb,Pgk1,Luc7l,Usp34,Trip13,Cep152,Bzw2,Sgms1,Tial1,Ssb,Zfp451,Sico4a1,Kpna2,Rbm25,Pprc1,Wee1,Cep70,Nme4,Runx1,Aifm1,Ctsh,Rbbp8,Zcchc2,Pbbp,Hat1,Pigf,Sip1,Fzd3,Anln,Limd2,Dus3l,Pthr2,Rrad,Lmnb1,Rfc2,Nob1,2610027L16Rik,Pcf11,Terf1,Cks2,Kif23,Dlx1
mmu-miR-295	60(1239)	2,43E-12	Ankrd32,Skp2,Gmnn,Ktn1,Mum1,Plk4,Ctsw,Cenpq,Dnmt1,Pdia6,Rbbp7,Egr3,Rest,Vrk3,Tiam2,Schip1,Lcorl,Rnps1,Ppid,Dbr1,Lin9,Rpl30,Cct2,Setx,Larp7,Scrib,E130303B06Rik,Idh2,Ccng2,Gtf2h2,Lrrk1,Asf1b,Ipo7,Zfp53,Kpna2,Snw1,Colec12,Neil3,Wee1,Hn1,2610301G19Rik,Aifm1,Mtm1,Nup88,Pvrl3,Dut,Synj2,Cep55,Nufip1,6330503K22Rik,Rfp14,E330016A19Rik,Dtymk,Rsrc2,Pdss1,Thoc2,Hells,Ccdc18,463243411Rik,Fancc
mmu-miR-694	51(1239)	2,47E-12	Nedd4l,Rbm26,Gmnn,Nup37,Sass6,Cep192,Pnn,Pgm1,Bcl10,Aspm,Kif18a,Utp18,Ppid,Fnbp11,Lin9,Trim28,Bzw2,Gtf2h2,Ewrs1,Hmgb1,Espl1,Usp3,Prpf3,Snrpg,Nt5c3l,Aifm1,Net1,Zwilch,Mpp6,Pvrl3,Fzd3,Lrig1,Patz1,Rps13,Tnks2,Ddx20,Tpp2,Cnot6,Zcchc8,Cenpk,Ppww1,Pdss1,Gmeb1,Pcf11,Me2,Dyrk3,463243411Rik,Kif23,Hnrpd1,Socsa4,Smc4
mmu-miR-466g	77(1239)	2,56E-12	Ncaph,Pcm1,H2afv,El1,Mcm5,Birc5,Mum1,Plk4,Mybbp1a,Ap1s3,Cenpq,Rangap1,Papip1,Cenpo,2610101N10Rik,Las11,Aurkb,Ythdf2,Noc4l,Ddx46,Dnmt1,Aspm,Msh2,Tox,Ahctf1,Gspt1,Prim1,Mthfd1,Rnps1,BC055324,Hdac2,Pgk1,Cand1,Cac ybp,Dusp4,Cd2ap,Zmynd19,Ncapd2,Ccnb2,Mical2,Abcb1b,Npn2,Set,Polr2b,Gtf2h2,H2afy,Ewrs1,Nasp,Stk17b,Usp3,Rp a2,Dbf4,Sumo2,Pkp2,Ube2t,Sip1,Lrig1,Actl6a,2410016O06Rik,Nup155,Cep55,Ssrp1,Rrad,Esf1,Mcm6,Abl2,D16Ert472e,Cenpk,Nek2,Incenp,Zfp281,Cenpi,Kif23,Zcchc11,Tdrkh,Smc4,Cirh1a
mmu-miR-19b	64(1239)	2,76E-12	Ahsa1,Cenpc1,Birc5,Dhx9,Steap1,Mum1,Fosl1,Crim1,Prpf19,Pank1,1110020G09Rik,Cep192,Dnmt1,Nrf1,E2f8,Sltm,Tgif1,Apex2,Rnps1,Armc8,Gpd2,Aftph,Lin9,Enpp1,Ccdc99,Cbx1,Ccnb2,Chst1,Psmc3ip,Bzw2,Scrib,Zc3h8,Kif21a,Ppp1cc,Prpf38a,Nasp,Sf3a1,Smndc1,Itgav,Nt5c3l,Melk,Psmd14,Cenpa,Igfsf3,Igf2bp1,Lim2,Gemin8,Lrig1,Abhd10,Actl6a,Slc39a10,T nks2,Pold3,Lrrc40,Cnot6,Spca24,El12,Cenpk,Wpsc2,Ivns1abp,Ppa1,Gtse1,Cks2,1810011010Rik
mmu-miR-191	60(1239)	3,05E-12	Etaa1,Rbm26,Prkar2b,Dhx9,Iff205,Depdc1b,Mum1,Las11,Elavl1,Pspc1,Ddx46,Matd2l1,Cdc5l,Als2cr12,Nuf2,Slc11a2,Sltm,Tubb5,Lsm2,Tuba1c,Hmgb3,Slc19a1,Zfp532,Supt16h,Ankrd10,Bzw2,Ube2c,Kif21a,Gtf2h2,Sbk1,Mtap,Rpl12,Tial1,Wipf1,Palld,Nfkbiz,Snrpd1,Psmd14,Nup88,Dut,Patz1,Ilf3,Foxp1,Plscr1,Mcm6,Dcbl1d,Ppww1,Snrpb2,Lifr,Cdca8,Incenp,Zfp281,Myct1,Pou2f1,E130308A19Rik,Terf1,Gtse1,Mprl18,Rbpj,Hnrpd1
mmu-miR-291a-5p	67(1239)	3,33E-12	Ncaph,Cdca7l,Sap30,Gemin4,Tmem39b,Pcm1,Cks1b,Glrx,Snx7,Fosl1,Plk1,Cenpq,Mrps22,Bub1,Cep192,Pnn,Rdx,Rbbp7,Ruvbl1,Nrf1,Nuf2,Nol10,Zw10,Sltm,Blm,Sin3a,Bra1,Ash2l,Rrm1,Sgol1,Rcc1,Hmga1,Trim28,Thsd7a,Casc5,Sbno1,Stag1,Rpl12,Prpf38a,Asf1b,Myo1b,Espl1,Nup11,Ckap2l,E330009J07Rik,Pprc1,Nfx1,Rbbp8,Psmd14,Cdca3,Tinf2,Dus3l,Zrsr2,Tp m3,Nsmce4a,Foxp1,Osmr,Thrc6a,Mcm2,Actr3,Slc43a3,Ddx10,Incenp,Cdc73,Gtse1,Tpbg,Slc4a7
mmu-miR-29c	71(1239)	4,02E-12	2810046L04Rik,Tnfai8,Ranbp1,Pwp2,Prpf40a,Elf2,Mki67,Ccne1,Rapgef2,Las11,Aurkb,Mapk8,Pdgfb,Noc4l,6720463M24Rik,Cep68,Nol10,Tmem48,Blm,Rnf138,Tubb5,Tmem173,Cdk2,Bra1,Cenph,Smarce1,Usp34,1700029F09Rik,Abcb1b,Ed f4a3,Lig1,Frat2,Scrib,Set,Ihd2,Hbs1l,2310057M21Rik,Nasp,Dhx15,Rad54l,Zfp54,Slc4a1,Espl1,E330009J07Rik,Ccna2,Cd c7,Cdca4,Dbf4,Prpf3,Kin,Psmd14,Hat1,Cdca3,2610318N02Rik,Sertad1,Pkmyt1,Mycn,Plscr1,Nav3,Lmnb1,Pafah1b3,Dcbl d1,Col7a1,Zcchc8,Bcl2l11,Etv4,Rad51,Egfl7,Cdh10,Smarcc1,Kif23
mmu-miR-464	62(1239)	4,32E-12	Lrrc45,Asph,Timeless,Pcm1,Diap3,Wpsc1,Ccbe1,Snx7,Smpdl3b,Pspc1,Bub3,Xkr5,Matd2l1,Polr1e,Kif18a,Mcm4,Mrps6,Nf yb,Mcm3,Hdac2,Luc7l,Rab15,Hspa14,Agxt2l2,Ctbp2,Dusp4,Pik3c2a,Ncapd2,U2af1,Npn2,Iqgq3,Shcbp1,Satb2,H2-K1,Lrrk1,2210018M11Rik,Ankrd57,2810474O19Rik,Espl1,Npm1,Topors,Pprc1,Melk,Net1,Trp53bp2,Lrig1,Patz1,Ddx31,Pt rh2,Ilf3,Cep55,Cnot6,Mcm6,Fancd2,E330016A19Rik,Zcchc8,Mre11a,Bcl2l11,Tnfai6p,Zfp281,Terf1,Tpbg,Elf2s1
mmu-miR-743b-3p	61(1239)	6,89E-12	2810046L04Rik,El1,Errfi1,Impa2,Prx,Dhx9,Iff205,Ktn1,Cks1b,Nup37,Atad2,Pspc1,Dnmt1,Bcl10,Marcks,Cct7,Sfpq,Cenph,Cand1,Ung,Emg1,Pla2g4a,Ncapd2,1700029F09Rik,Ncapd3,Ube2c,Ihd2,Polr1a,Sbno1,Prpf4b,Ssb,Hmgb1,Rasa1,Top2a,W ee1,Hn1,2610002M06Rik,Rad18,Pbbp,Chd2,Ube2t,Casp8ap2,Trp53bp2,Dut,Abhd10,Patz1,Nucks1,Tpm3,Synj2,Nsmce4 a,Ilf3,Slc43a3,Fancd2,Ppww1,Utp11,Incenp,Dyrk3,Pou2f1,H2afy2,2010204K13Rik,Pogz
mmu-miR-216b	64(1239)	7,11E-12	Nono,Asph,1110012J17Rik,Nup54,Trim24,Dgcr8,Fhl2,Depdc1b,Pak1,Ogfrl1,Smpdl3b,Scd1,Tes,2010002N04Rik,Zc3h15,Tiam2,Sgol2,Ttl4,Mrps6,Impdh2,Nfyb,Cand1,Rrm1,Exo1,Ctbp2,Pla2g4a,Set,Ncapd3,Suz12,2310057M21Rik,Sgms1,Gtf2 h2,Stag1,Nusap1,Spread1,Zfp7,Larp4,Nfx1,Top2a,Cep70,Paip1,Hat1,Pigf,Smchd1,Synj2,Ilf3,Rbm14,Ddx20,Mboat2,Lrig1,Ddx31,Pt rh2,Ilf3,Cep55,Cnot6,Mcm6,Fancd2,E330016A19Rik,Zcchc8,Mre11a,Bcl2l11,Tnfai6p,Zfp281,Terf1,Tpbg,Elf2s1
mmu-miR-19a	64(1239)	9,58E-12	Nedd4l,Ahsa1,Cenpc1,Dgcr8,Dhx9,Steap1,Mum1,Fosl1,Crim1,Pank1,1110020G09Rik,Cep192,Aurka,Rbbp7,Marcks,Nrf1,E2f8,Hspd1,Tgif1,Apex2,Rnps1,Armc8,Gpd2,Aftph,Lin9,Zfp184,Enpp1,Ccdc99,Cbx1,Ccnb2,Psmc3ip,Bzw2,Scrib,Zc3h8,Z fp217,Kif21a,Imp3,Polr1,Ppp1cc,Rpl12,Prpf38a,Nasp,Sf3a1,Itgav,Unc5c,Rad18,Hmgb2,Unc13c,Hat1,Sip1,Patz1,Kif22,BC016423,Nsmc e4a,Suv39h2,Mycn,Yes1,Ddx10,Nav3,Esf1,Ift74,Wdr36,Smc4
mmu-let-7d*	63(1239)	1,26E-11	Prim2,Mcm5,Impa2,Ktn1,Depdc1b,Nol9,Elf2,Pole2,Plk1,Ppih,Sass6,Tes,Pspc1,Cep192,Dnmt1,Rbbp7,Marcks,Nuf2,Ahctf 1,Hspd1,Zw10,Acaa2,Pim3,Luc7l,Klhdc2,Zic1,Agxt2l2,Pik3c2a,Cd2ap,Zmynd19,Slc25a5,Ccnb2,Supt16h,Casc5,Bzw2,Set, Pcnt,Ptpn12,Ewrs1,Nasp,Wipf1,Ran,Spry2,Nfkbiz,Ncaph2,Rasa1,Hmgb2,Unc13c,Hat1,Sip1,Patz1,Kif22,BC016423,Nsmc e4a,Suv39h2,Mycn,Yes1,Ddx10,Nav3,Esf1,Ift74,Wdr36,Smc4
mmu-miR-451	60(1239)	1,67E-11	Asph,Khsrp,Rbm26,Trim24,4930422G04Rik,Ankrd32,Rnmt,Dhx9,Prpf19,Pspc1,Ythdf2,Tcerg1,Msh6,Sltm,Tubb5,Tgif1,Sf pq,Aebp2,Msh3,Myc,Cand1,Asxl3,Eef1e1,Rpl30,Usp34,2610039C10Rik,Trim28,Mplz1,Cul4b,Ppp1cc,Lrrk1,Ptpn12,Tube 1,Chaf1b,Smc3,Npm1,Pif1,Hmgb2,Top2a,Unc13c,Ctsh,Mlf1ip,Sertad1,Synj2,Ilf3,Rbm14,Ddx20,Mboat2,Yes1,Cep55,Syn e2,Nup133,Nolc1,B3galnt1,Rsrc2,Erh,E130308A19Rik,Arf6,Mprl18,Rrs1
mmu-miR-148a*	51(1239)	1,78E-11	Etaa1,Lrrc45,Tmem39b,Arhgap22,Soc5,Mum1,Wdr3,Riok2,Nrf1,Casp3,Prim1,BC055324,Lsm2,Cenph,Etf1,Cand1,Cbx1,Hnrpl1,Cul4b,Satb2,2310057M21Rik,Sgms1,Imp3,Mcm10,Espl1,Usp3,Npm1,Nfx1,Prpf3,Ptcd3,3110003A17Rik,Gphn,Syn j2,Ddx20,Cct8,Syne2,Rrad,Fancd2,E330016A19Rik,Cenpk,1110004E09Rik,Gmeb1,Tnfai6p,Khdrbs1,Egfl7,Pou2f1,Cdca7, H2afy2,Nxt1,Eftud2,Cirh1a
mmu-miR-878-3p	65(1239)	2,03E-11	Dffb,Zfp292,Dhx9,Zfp334,Pak1,Ctsw,Txnrd1,Swap70,Las11,Rnf2,Wdr3,Elp2,Aurka,Rdx,Nuf2,Vrk3,Msh6,Zfp770,Mthfd1, Ebf2,Snrpb,Fnbp11,Zfp184,Enpp1,Slc29a1,2610039C10Rik,Pdk3,Adss,Gpbb1,Kntc1,Recql4,Polr2b,Ppp1cc,Acsl3,Nfx1,Tu be1,Hmgb1,Larp4,Card10,Kpna2,Npm1,Rfc5,Igfsf3,Pvrl3,Wdr55,Clspn,Nde1,Patz1,Kif22,Nsmce4a,Plscr1,Cnot6,Syne2,G prc5c,Rfc2,Tacc3,Ptbp2,Lifr,Cdca8,Tmpo,Uhrf1,Nxt1,Ahcy11,Rbpj,Hnrpd1
mmu-miR-300	57(1239)	2,07E-11	Nedd4l,Sap30,H2afv,Fhl2,Nol9,Vps36,Gemin6,Atad2,Tes,1110020G09Rik,Bub3,Xkr5,Nuf2,Vrk3,Kif18a,Taf5l,Mcm3,Dbr 1,Klhdc2,Etf1,Hspa14,Agxt2l2,Cd2ap,Zfp36l2,Ncapd2,Dtl,Cep152,Usp14,Snrpa1,Kif21a,Pcnt,Sbno1,Tial1,Nasp,Wipf1,Nf kbiz,Npm1,Hspa4l,Prpf3,Sumo2,Cep70,Nme4,Kin,Chd2,Ube2t,Fzd3,Cenpe,Kif22,Nudc,Spp1,Rcl1,Pcf11,Apex1,Egfl7,Cen pi,Arf6,Cdh10
mmu-miR-106b	63(1239)	2,82E-11	Nedd4l,Diap3,Gmnn,Dsn1,Atad2,Wdr3,Dnmt1,Pdia6,Rbbp7,Egr3,Rest,Ahctf1,Nt5dc2,Mcm3,Sfpq,Rrm2,Rad21,Dbr1,Ce nph,Cep57,Lin9,Usp34,Casc5,Rad51c,Scrib,Idh2,Tslp,Ccng2,Gtf2h2,Casp8,2210018M11Rik,Ewrs1,Metap1,Tube1,Ipo7,U sp3,Kpna2,Bub1b,Wee1,Nme4,Gli3,Aifm1,Nup88,Iws1,Fzd3,Racgap1,Bbs12,Mcm7,Actl6a,Tnks2,Mastl,Ddx20,Osmr,My cn,Ociad2,Cep55,Spp1,Ddx10,Rsrc2,Stil,Thoc2,Ezh2,Cebpz

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-let-7g*	65(1239)	3,15E-11	Snx5,Ncapg,Tmem39b,Fancm,Prx,Nsun2,Ets1,Nol9,Mybbp1a,Kif4,Cenpo,Ddx46,Dnmt1,Rdx,Pdia6,Egr2,Ank3,Nuf2,Slc1a2,Por,Mthfd1,Ect2,Nfyb,Pim3,Pgk1,Fnbp11,Sox11,Dbp1,Emg1,Zmynd19,1700029F09Rik,Psmc3ip,Ncapd3,Pcnt,Idh2,Acs13,Nasp,Pttg1,Colec12,Uchl5,Bub1b,Hmgb2,Snrpd1,Mbd4,Paip1,Melk,Pigf,Cenpn,3110003A17Rik,Limdd2,Tipin,Kif22,Polr3b,Synj2,Nsmce4a,Foxp1,Pold3,Rrad,Nav3,Dcblid1,Dtymk,Pol2,Whsc2,Ppa1,E130308A19Rik
mmu-miR-759	57(1239)	3,19E-11	6430527G18Rik,Tmem39b,Diap3,Whsc1,D19Bwg1357e,Vps36,Tnnt2,Mki67,Plk1,Cenpq,Prdx4,Elavl1,Dnmt1,Riok2,Als2,cr12,Socs3,Ttll4,Mthfd1,Tuba1c,Cenph,Adss,Cep152,Casc5,Prpf38b,Pcnt,Idh2,Ccng2,Gtf2h2,2210018M11Rik,Tial1,Lyar,Zfp451,Zfp54,Nup1,Usp3,Kpna2,Pank4,Ppbp,Wdr55,Tinf2,Casp6,Synj2,Mastl,Foxp1,Ddx20,Tpp2,Cct8,H2afz,Spp1,Lmn b1,Stmn1,Mcm6,Cenpk,Utp11,Tnfaip6,2010204K13Rik,Wdr36
mmu-miR-467c	67(1239)	3,20E-11	Nedd4,Diap3,Prim2,Ankrd32,D19Bwg1357e,Vps36,Snx7,Zfp52,Tnnt2,Ctsw,Gemin6,Rangap1,Nap114,1110020G09Rik,Tcerg1,Aspm,Mup4,Msh6,Cpsf4,Acad2,Junb,Hdac2,Armc8,Cenph,Klhdc2,Cep57,Zfp184,Ccdc99,Pik3c2a,Larp7,Eme1,Cep152,Zfp217,Kif21a,Shcbp1,Gtf2h2,Casp8,Crebzf,2210018M11Rik,Nxf1,Trim25,Zfp54,Wdr75,Usp3,Rasa1,Uchl5,Nme4,Mtm1,Ube2t,Cenpn,Slc38a1,Sox4,Cenpf,Ttc3,Apitd1,Nucks1,Mcm7,Actl6a,Mastl,Cx3cl1,Cacna1c,Slc43a1,Stil,Pcf11,Cenpi,Ltbp1,Cdt1
mmu-miR-302c*	58(1239)	3,27E-11	6430527G18Rik,Prkar2b,Rbmxrt,Caprin1,D19Bwg1357e,Gmnn,Zfp52,Mki67,Hmnr,Prpf19,Ccne1,Atad2,Fubp1,Rpl7a,Elp2,Ccdc45,Aurka,Pgm1,Mad211,Zc3h15,Cit,Ccne2,Ppil5,Apex2,BC027072,Ctbp2,Larp7,Ncapg2,Ctnna1,Abcb1b,Casp2,Gnb4,Prpf4b,Lyar,Palld,Zfp7,2810474O19Rik,Zfp53,Ccna2,Ckap2,Snrpg,Nt5c3l1,Rbbp8,Pvrl3,Ints2,Bnc2,Ell2,Dcblid1,Trub1,Nek2,Cnn3,Pol2,Pcf11,Tnfaip6,Ccdc18,4632434111Rik,Hnrpd1,Eif2s1
mmu-miR-425	62(1239)	3,37E-11	Zfp292,Fhl2,Lgl1,Snx7,Dsn1,Ctsw,Prdx4,Wdr3,Noc4,Cdc5l,Nuf2,Mrps6,Impdh2,Hdac2,Klhdc2,Zmym1,Smek1,Trip13,Slc29a1,2610039C10Rik,Zc3h8,Kif21a,Hbs11,Sgms1,Lrrk1,Nasp,Fbl,Slco4a1,Cdca4,Phf17,Khdp2,Nfx1,Kin,Mtm1,Ptcd3,Ube2t,Sfxn1,Fzd3,Nudt21,Wdr55,Socs6,Plekhh2,Patz1,Kif22,Mif1ip,Synj2,Slc39a10,Mastl,Ncapg,Ssrp1,Gprc5c,Rfc2,Ptbp2,Thoc2,Me2,Rad51,Nsl1,Cebpz,Mrpl18,Ahcy1,Hnrpd1,Cirh1a
mmu-miR-217	59(1239)	4,24E-11	Nedd4,Tgif2,Tmem39b,Pcm1,Diap3,Abi1,Depdc1b,Ets1,Ogfrl1,Spag5,Ppih,Dcctd,Strbp,Wdr3,Dnmt1,Tpd52,Ube2e3,Ddx52,Ptprc,Ank3,Zc3h15,Ahctf1,Ythdc1,Lrp8,Snrpb,Aebp2,Tfdp1,Lin9,Pcna,Egfr,Matr3,Supt16h,Gbbp1,Ppp1cc,Rad54l,Hmgb1,2810474O19Rik,Nup1,Usp3,Cdca4,Snrpg,Trit1,Zcchc2,Pigf,Axl,Pvrl3,Dut,Patz1,Neto2,Foxp1,Dtymk,2610027L16Rik,Thoc2,Sf3a3,Cdca8,Gart,Ezh2,E130308A19Rik,Lif
mmu-miR-182	62(1239)	4,24E-11	Fmr1,Nedd4l,6430527G18Rik,Asph,Prpf31,Diap3,Prim2,Ccbe1,Ktn1,Vps36,Kif2a,Txnrd1,Cenpq,Smpdl3b,Atad2,Aurkb,Cep192,Rpl7a,Ube2e3,Marcks,Ank3,Zw10,Schip1,Enpp1,Ppil1,Egfr,Trip13,Cbx1,Snrpa1,Pcnt,Lrrk1,Fanca,Tube1,Myo1b,Ckap21,Rasa1,Npm1,Snrpd1,Tk1,Dbf4,Nme4,2610301G19Rik,Gemin8,Bbs12,Nudc,Nucks1,Topbp1,U2af2,2410016O006Rik,Foxp1,Specc1,Dtymk,Cep170,Ppww1,Cnn3,Pol2,Cdca8,Twistnb,Hells,Smarrc1,Rrs1,Socs4
mmu-miR-369-3p	63(1239)	4,43E-11	Sirt1,Tnpo1,Prkar2b,Vegfc,Fhl2,Prpf40a,Snx7,Plk4,Spag5,Prdx4,1110020G09Rik,Ythdf2,Ddx46,Riok2,6720463M24Rik,Marcks,Nuf2,Wsb1,Prim1,Lcorl,Mcm3,Hdac2,Cd2ap,Pla2g4a,Trip13,Cbx1,Kif20a,Ccnb2,Runx2,Mbtps2,Usp14,Pcnt,Shcbp1,Ccng2,Sgms1,Ptprc12,Acs13,Nup107,Cobl1,Fbl,Nap111,Cdc7,Phf17,2810055F11Rik,Ptk7,Trit1,Ptcd3,Ints7,Dut,Gemin8,Nsmce4a,Nup155,Yes1,E2f7,Ddx10,B3galnt1,Rfp14,Flgn1,Ppww1,Thoc2,Zfp281,Fancd,Zcchc11
mmu-miR-410	57(1239)	5,69E-11	Nono,Sub1,Prkar2b,Clns1a,Birc5,Abi1,Dhx9,Depdc1b,Nol9,Atad2,Rapgef2,Elp2,Nuf2,Cdca5,Zw10,Luc7l,Cdca2,Cd2ap,Zmynd19,Matr3,2310057M21Rik,Casp8,Nasp,Wip1,Slbp,Hmgb1,Zfp54,Pttg1,Nr2f2,Ckap2,Paip1,Kin,Ctsh,Ppbp,Rbm17,Fgf7,Ints7,Dut,Mphosph10,Fgfr1op,U2af2,Cdc40,Foxp1,B3galnt1,C79407,Dcblid1,E330016A19Rik,Tacc3,Hirip3,Mast4,Rad51,Nxt1,Cdh10,Tpbp,Siva1,Kif23,Hnrpd1
mmu-miR-130a	65(1239)	6,06E-11	Nedd4l,1110012J17Rik,Diap3,Rcc2,Cenpc1,Prkar2b,Rbmxrt,Cks1b,Vps36,Spred2,Snx7,Cenpq,Idh3a,Ythdf2,Ddx46,Exosc8,5730590G19Rik,Mup4,Parp1,Zc3h15,Tiam2,Kif18a,Mcm4,Suv39h1,Hdac2,Zfp184,Enpp1,Ccdc99,Pde1a,Gins1,Ncapd2,Chst1,Abcb1b,Cep152,Otud4,2310057M21Rik,Rpl12,Zfp451,Fbl,Slco4a1,Wdr75,Rasa1,Rpa2,Nme4,2610301G19Rik,Rad18,Mtm1,Hat1,Ptplad1,Ptcd3,Ube2t,Dut,Limdd2,Gemin8,Tipin,Slco1a5,Rbm14,Tnrc6a,B3galnt1,Pcf11,Khdrbs1,Arf6,Slc4a7,Kif23,Hnrpd1
mmu-miR-883b-3p	65(1239)	6,72E-11	Snx5,Lrrc45,Tmem39b,Depdc1b,Ets1,Snapc3,Mki67,Cenpq,Tes,Pank1,Paxip1,Nap114,Dnmt1,Tpd52,Msh2,Ruvbl1,Rest,Zc3h15,Ahctf1,Lrp8,Snrpb,Cct5,Luc7l,Klhdc2,Ash2l,Pcna,U2af1,Set,Hnrpl1,Suz12,Dhx15,Cbx3,Ran,Spry2,Wdr75,Nup11,Hspa4l,D10Wsu102e,Itih2,Arid4b,Egr1,Trit1,Tpx2,Mkx,Nab2,Ckap4,Nup88,Rsf1,Syncrip,Nudc,Gnl3,Pbk,Ilf3,Eif5,Plekha5,Elf2,Fbxo32,Nob1,Dtymk,Rasal2,Thoc2,Phlda1,Ppa1,Ezh2,Lif
mmu-miR-20b*	54(1239)	7,60E-11	Asph,Tmem39b,Pcm1,Prim2,Prkar2b,Mcm5,Plk1,Tes,Emb,Pspc1,Srpk1,Exosc8,Aurka,Fkbp5,Tiam2,Ttll4,Mrps6,Prim1,Lsm2,Sox11,Armc8,Rab15,BC027072,Ctbp2,Hmgb3,Emg1,Larp7,Zmynd19,Cbx1,Pkn3,Recql4,2310057M21Rik,Gtf2h2,Ptpn2,H2afy,Nasp,Dhx15,Kars,Usp3,E330009J07Rik,Mns1,Rfc5,Melk,3110003A17Rik,Prkg2,Pthr2,Foxp1,Nav3,Fancd2,2610027L16Rik,Sf3a3,Ccdc18,Nxt1,Smyd5
mmu-miR-691	58(1239)	8,24E-11	Nedd4l,Asph,Arhgap22,Pcm1,Caprin1,Skp2,D19Bwg1357e,Bclaf1,Rpl7a,Bcl10,Cep68,Nrp1,Mtf2,Dusp9,Fen1,Snrpb,Lsm2,Sfpq,Hdac2,Setx,Micall2,Gsg2,Rsbn1,Pnpt1,Fanca,Csnk1g3,Cobl1,Spry2,Tyms,Usp3,Hnga2,Igav,Egr1,Pank4,Psmid14,Sfxn1,Ddx11,Kif2c,Rad51ap1,Slco1a5,Rbm14,Usp37,Nav3,Fancd2,Dcblid1,Rcl1,Mre11a,Ppww1,Atrx,C330027C09Rik,Egf17,Pou2f1,Ezh2,Cebpz,Top1,Eftud2,2810408A11Rik,Ecd
mmu-miR-139-5p	63(1239)	8,41E-11	Cdca7l,H2afv,Zfp292,Prim2,Birc5,Depdc1b,Acly,Ctsw,Plk1,Paxip1,Setdb2,Pspc1,Pdgbf,1110020G09Rik,Tpd52,Ppat,Ank3,Sgol2,Kif18a,Hspd1,2510012J08Rik,Ttll4,Slc11a2,Mrps6,Schip1,Fen1,Pgk1,Myc,Emg1,Cbx1,Ankrd10,Lig1,Ccnf,Kntc1,Spcc25,Sgms1,H2-K1,Crebzf,2210018M11Rik,Ssb,Dhx15,Mns1,Unc13c,Pigf,Fzd3,Jub,Rbmx2,Cct3,Casp6,Cknk2,Synj2,Ociad2,Ssrp1,B3galnt1,Fbxo32,Rpl13a,Nek2,Pol2,Gpsm2,Ppa1,Ezh2,Fancd,Ecd
mmu-miR-487b	59(1239)	8,76E-11	Snx5,2810046L04Rik,Trim24,Mcm5,Cpsf2,Upf3b,Hspa8,Prpf40a,Snx7,Mki67,Cep192,Pnn,Aspm,2510012J08Rik,Nfyb,Zic1,Asxl3,Enpp1,Ppil1,Usp34,Cr1f1,Mpzl1,Pcnt,Cul4b,Hmgb1,Topors,Ckap2,Sumo2,G3bp2,Ebna1bp2,Cachd1,Nup88,Ube2t,Socs6,Smc2,Gnl3,Mif1ip,Actl6a,G3bp1,Nsmce4a,Nup155,Anp32b,Plscr1,Nav3,Mcm6,Alkbh1,Rasal2,Rpl13a,Pol2,Whsc2,Zfp281,C330027C09Rik,Ezh2,Fancd,Cdc73,Cdh10,Top1,Mrpl18,Kif23
mmu-miR-669c	62(1239)	8,81E-11	Etaa1,Pop1,Prim2,D19Bwg1357e,Depdc1b,Elf2,Glrx,Kif2a,Mum1,Ripk2,Tes,Kif4,Fubp1,Ddx27,Exosc8,Pgm1,Aspm,Myef2,Gspt1,Nol10,Mcm4,Ppil5,Tmem48,D2Erdt750e,Mcm3,Cct5,Luc7l,Etf1,Myc,Agxt2l2,Ash2l,Dusp4,Rpl30,Zmym1,Pde1a,Cbx1,Chst1,Pnpt1,Prpf38a,Ssb,Kars,Spry2,Hmgb2,Neil3,Dbf4,Cep70,Arid4b,2610301G19Rik,Ctsh,Casp8ap2,Gphn,Cenpi,BC016423,Usp37,Ddx20,Dapp1,Tnrc6a,Plscr1,Dcblid1,Dyrk3,Tpbp,Tdrk1
mmu-miR-190	54(1239)	8,86E-11	Snx5,Sap30,Pop1,Diap3,Ifi205,Steap1,Snx7,Nup37,Pole2,Plk1,Smpdl3b,Atad2,Pgm1,Rbbp7,Mad211,Kif18a,Yme1l1,Wsb1,Msh6,Blm,Tmem173,Pla2g4a,Pde1a,Ncapd3,Shcbp1,Rsbn1,Hbs11,Tial1,Nup107,Lyar,Zfp451,Chek1,Nfkbiz,Nfx1,Paip1,Pank4,Mtm1,Psmid14,Hat1,Cenpn,Gphn,Synj2,Slco1a5,Eif5,Tnrc6a,Bhlhb9,Ppww1,Mast4,Pdss1,Hells,Dyrk3,Nsl1,Rbl1,Zcchc11
mmu-miR-34c*	51(1239)	9,47E-11	Lrrc45,Cenpc1,Prkar2b,Marcks1,Impa2,Dhx9,Kif2a,Plk4,Tnnt2,Pspc1,Ddx52,Bcl10,Msh2,Zc3h15,Ttll4,Sltm,Mtf2,Tmem173,Tuba1c,Armc8,Cand1,Rpl30,Psmc3ip,U2af1,Casc5,Lig1,Scrib,Smc5,Fbl,Ipo7,Chaf1b,Dbf4,Arid4b,Psmid14,Smchd1,Lrig1,Ghr,Ahcy,Actl6a,Ilf3,Eif5,Strap,B3galnt1,Rcl1,Cenpk,Ppww1,Dnaj1,Ddx39,Rbpj,Dnaj9,Dmap1

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-25	65(1239)	1,03E-10	Rbm26,Sirt1,H2afv,Fhl2,Ets1,Zfp606,Has2,Cenpq,Dcp1a,Rpl7a,Ddx52,Mup4,6720463M24Rik,Egr2,Nrf1,Ank3,Ahctf1,Cit,Mtf2,Tgif1,BC055324,Nfatc2ip,Rad21,Eef1e1,Zmynd19,B230120H23Rik,2700029M09Rik,Arl4c,Pcnt,Tslp,Cul4b,Rsbn1,Mtap,Rpl12,Tube1,Nusap1,Zfp54,Hspa4l,Mmd,Mbd4,Prpf3,Sumo2,Mtm1,Pkp2,Anln,3110003A17Rik,Abhd10,Neto2,PoIrb3,Gas2l3,Usp37,Eif5,Pold1,Mcm6,Fancd2,Dcbl1,Ppww1,Atrx,Nek2,Pcf11,Ppa1,Cdh10,Dock5,Mrpl18,Rbpj,Prpf31,Prim2,Prkar2b,Elf2,Acly,Spag5,Dsn1,Hmmr,Cenpq,Xpo7,Ank3,Vrk3,Lcorl,Lsm2,Luc7l,Etf1,Egfr,Emg1,Usp34,Gins1,Abcb1b,B230120H23Rik,Ncapd3,Smc5,Rps9,Troap,H2afy,2810474O19Rik,Kin,2810025M15Rik,Ints5,Rbm17,Axl,Clsn1,Patz1,Nudc,Ahcy,Synj2,Mycn,Spp1,Syne2,Stmn1,Mcm6,Dcbl1,Rcl1,Lrrc8c,Ppww1,AI848100,Cdca8,Gmeb1,Khdrbs1,C330027C09Rik,4632434I11Rik,Arf6,Cdc73,Gtse1,Mrpl18,Smc4
mmu-miR-30a*	58(1239)	1,12E-10	6430527G18Rik,Rbm26,Trim24,Fancm,Dhx9,Fhl2,Taf5,Plk4,Has2,Smpd13b,Rangap1,Cenpo,Strbp,Dnmt1,Mup4,Marcks,Nrf1,Ahctf1,Mtf2,Tgif1,BC055324,Nfatc2ip,Rad21,Ppil1,Eef1e1,Rpl30,Hmgb3,Larp7,Chst1,B230120H23Rik,2700029M09Rik,Prpf38b,Cul4b,Rsbn1,Cng2,Ewrs1,Ccng2,Ccg2,Ewrs1,Acsl3,Sf1,Lyar,Zfp54,Myo1b,Nfkbiz,Mbd4,Zcchc2,Psm14,lws1,Usp37,Ncapg,Eif5,Ell2,Pold1,Fancd2,Dcbl1,Dtymk,Ppww1,Rpl13a,Atrx,Pcf11,Rad51,Ppa1,Cdh10,Dock5,Tcf4
mmu-miR-32	63(1239)	1,24E-10	Tmem39b,Pcm1,Prkar2b,Impa2,D19Bwg1357e,Gmnn,Depdc1b,Elf2,Smpd13b,Lrig3,Atad2,Las1l,1110020G09Rik,Cep192,Aspm,Msh6,Casp3,Schp1,Suv39h1,Cct7,Pim3,Asxl3,Eef1e1,Pdk3,Bzw2,Zfp217,Idh2,Atad5,Stoml2,Dhx15,Tube1,Hspa4l,Ckap2,Pank4,Net1,Cachd1,Pvrl3,Ints7,Slc38a1,Cenpf,Ss18,Gnl3,Pbk,Ilf3,Cacna1c,Syne2,Ezf7,B3galnt1,Rfc2,Cenpk,Pdss1,Rad51,Ezh2,Tmpo,Dock5,Tpbp,Kif23,Dmap1,Eps8
mmu-miR-126-3p	59(1239)	1,41E-10	Snx5,Lrrc45,Phf6,Depdc1b,Ets1,Snapc3,Mki67,Cenpq,Tes,Pank1,Nap1l4,Pspc1,Ythdf2,Dnmt1,Aspm,Ruvbl1,E2f8,Rest,Cep68,Zc3h15,Ahctf1,Lrp8,Ect2,Snrpb,Cct5,Luc7l,Klhdc2,Pcna,Hmgb3,Trip13,Adss,U2af1,Set,Hnrpl1,Ptpn2,Dhx15,Cbx3,Spry2,Nup11,Cdc7,Itih2,Arid4b,Egr1,Tpx2,Mkx,Nab2,Nup88,Rsf1,Cenpf,Nudc,Ghr,Gnl3,Pbk,Eif5,Plekha5,Ell2,Fbxo32,Dtymk,Rasal2,Thoc2,Phlda1,Rad51,Incenp,Ezh2
mmu-miR-883a-3p	64(1239)	1,58E-10	Tgif2,Rnmt,Fhl2,Cks1b,Mum1,Plk4,Ap1s3,Aurkb,Pspc1,Noc4l,Pdia6,Bcl10,Rbbp7,Nrf1,Vrk3,Wsb1,Fxn,Schp1,Pdap1,BC055324,Nfatc2ip,Ccd99,Pcna,Pla2g4a,Gins1,Gbbp1,Npn2,Ccnf,Snrpa1,Troap,Gtf2h2,H2-K1,Crebzf,Rad54l,Nap1l1,Cdc7,Hmgb2,Nfx1,Arid4b,2610301G19Rik,Aifm1,Nup88,Pigf,Ube2t,Fgf7,Wdr55,Anln,Cct3,Gnl3,Cenpi,Usp37,Tpp2,5730559C18Rik,Plscr1,Ssrp1,Cnot6,Spp1,Gprc5c,D16Ert472e,Rfc2,Ppww1,Thoc2,Tnfai6p,2010204K13Rik
mmu-miR-181a	60(1239)	1,66E-10	Diap3,Ankrd32,Skp2,Ktn1,Lgl1,Bclaf1,Fosl1,Ctsw,Cenpq,2810008M24Rik,Atad2,Dnmt1,Ddx52,Egr3,Rest,Parp1,Vrk3,Mrps6,Schp1,Prim1,Rnps1,Ppid,Dbr1,Larp7,Cbx1,Cep152,E130303B06Rik,Idh2,Gtf2h2,Lrrk1,Nxf1,Asf1b,Pttg1,Kpna2,Snw1,Nfkbiz,Cdca4,Neil3,Rpa2,Wee1,Hn1,Arid4b,2610301G19Rik,Aifm1,Nup88,Pigf,Ube2t,Fgf7,Wdr55,Anln,Cct3,Gnl3,Cenpi,Usp37,Tpp2,5730559C18Rik,Plscr1,Ssrp1,Cnot6,Spp1,Gprc5c,D16Ert472e,Rfc2,Ppww1,Thoc2,Tnfai6p,2010204K13Rik
mmu-miR-376a	61(1239)	1,84E-10	Etaa1,D19Bwg1357e,Iff205,Cks1b,Tgfb3,Pak1,Mum1,Lrig3,Fubp1,Ddx46,Elp2,Pgm1,Tmem176b,Mrps6,Slit2,Snrpb,Ms h3,Cdc99,Pcna,Psirc1,Ctnna1,Trim28,Polr2b,Lrrk1,Ssb,Lyar,Zfp451,Espl1,Nup11,Kpna2,Ncapd2,Rbm25,4930579G24Rik,Itgav,2610002M06Rik,Aifm1,Cachd1,Chd2,Nup88,Pigf,Ube2t,Fgf7,Wdr55,Anln,Cct3,Gnl3,Cenpi,Usp37,Tpp2,5730559C18Rik,Plscr1,Ssrp1,Cnot6,Spp1,Gprc5c,D16Ert472e,Rfc2,Ppww1,Thoc2,Tnfai6p,2010204K13Rik
mmu-miR-302a	62(1239)	2,01E-10	Diap3,Ankrd32,Skp2,Ktn1,Lgl1,Bclaf1,Fosl1,Ctsw,Cenpq,2810008M24Rik,Atad2,Dnmt1,Ddx52,Egr3,Rest,Parp1,Vrk3,Mrps6,Schp1,Prim1,Rnps1,Ppid,Dbr1,Larp7,Cbx1,Cep152,E130303B06Rik,Idh2,Gtf2h2,Lrrk1,Nxf1,Asf1b,Pttg1,Kpna2,Snw1,Nfkbiz,Cdca4,Neil3,Rpa2,Wee1,Hn1,Arid4b,2610301G19Rik,Aifm1,Nup88,Pigf,Ube2t,Fgf7,Wdr55,Anln,Cct3,Gnl3,Cenpi,Usp37,Tpp2,5730559C18Rik,Plscr1,Ssrp1,Cnot6,Spp1,Gprc5c,D16Ert472e,Rfc2,Ppww1,Thoc2,Tnfai6p,2010204K13Rik
mmu-miR-448	51(1239)	2,13E-10	Cenpc1,Prkar2b,Elf2,Steap1,Kif2a,Mki67,Cenpq,Aurkb,Ube2e3,Aspm,Myef2,Ank3,Zc3h15,Vrk3,Klhdc2,Tll1,Lin9,Rpl30,S h3kbp1,Setx,Cul4b,Gtf2h2,Ptpn12,Spry2,Ipo7,Nup11,Csnk1a1,Snw1,Ubqln2,Ckap2,Prpf3,Arid4b,Paip1,Tpx2,Pkp2,Ube2t,Casp8ap2,Gphn,Kcnk2,Gnl3,Topbp1,Nsmce4a,Usp37,Ddx20,Eif5,Tpp2,Ppww1,Pdss1,Tnfai6p,Dyrk3,Eps8
mmu-miR-26b	59(1239)	2,15E-10	Fmr1,Diap3,Rnmt,Depdc1b,Hmmr,Ccne1,Mnd1,Rpl7a,Msh2,Xkr5,Mad2l1,Rest,Tox,Kif18a,Zw10,Sltm,Impdh2,Cct7,Pim3,Hmga1,2610039C10Rik,Cbx1,Pkn3,Cep152,Ube2c,Kif21a,Shcbp1,Elov16,Cul4b,Hmgb1,Slco4a1,Usp3,Kpna2,Dimt1,Nei13,Psm14,Net1,Zwilch,Mpp6,Ube2t,Cdca3,Smc2,Synj2,G3bp1,Usp37,Ncapg,Ints2,Cct8,Tnrc6a,Stmn1,Ppww1,Vbp1,Hell s,lvns1abp,Ezh2,Tmpo,Terf1,Cks2,Hnrpld
mmu-miR-467d	66(1239)	2,18E-10	Nedd4l,Lrrc45,Diap3,Mtmr4,D19Bwg1357e,Vps36,Snx7,Tnnt2,Ctsw,Gemin6,Rangap1,Nap1l4,1110020G09Rik,Cep192,Tcerg1,Aspm,Mup4,Msh6,Cpsf4,Acaa2,Iffim3,Hdac2,Klhdc2,Zfp184,Ppil1,Ccdc99,Pik3c2a,Kif21a,Shcbp1,Hbs1l,Imp3,Ca sp8,2210018M11Rik,Ewrs1,Nxf1,Trim25,Zfp54,Wdr75,Usp3,Rasa1,Uchl5,Nme4,Mtm1,Sox4,Cenpf,Apitd1,Nucks1,Mcm7,Actl6a,2410016O06Rik,Slco1a5,Mastl,Cx3cl1,Cacna1c,Slc43a1,Syne2,Ddx10,Mcm6,Phlda1,Pcf11,Ccdc18,Gpsm2,Cdca7,Cenpi,Ltbp1,Cdt1
mmu-miR-291b-5p	64(1239)	2,44E-10	6430527G18Rik,Ncapd3,Cdca7l,Sap30,Tmem39b,Pcm1,Cks1b,Glrx,Snx7,Nup37,Plk1,Cenpq,Prpf19,Mrps22,Bub1,Cep192,Pnn,Tcerg1,Rdx,Rbbp7,Egr2,Ruvbl1,Nrf1,Nol10,Socs3,Zw10,Sltm,Brca1,Ash2l,Rrm1,Sgol1,Rcc1,Cdc25a,Hmga1,Thsd7a,Casc5,Cr1f1,Snrpa1,Prpf38a,Asf1b,Espl1,Nup11,Ckap2l,E330009J07Rik,Pprc1,Nfx1,Rbbp8,Psm14,Cdca3,Tinf2,Dus3l,Nsmce4a,Foxp1,Tnrc6a,Mcm2,Actr3,Slc43a3,Ddx10,Vbp1,Incenp,E130308A19Rik,Gtse1,Tpbp,Slc4a7
mmu-miR-411	57(1239)	2,81E-10	Sap30,1110012J17Rik,Arhgap22,Cenpc1,Trim24,Erc6l,Mybbp1a,Ap1s3,Cenpq,Sass6,Nipsnap1,Elp2,Rdx,Hspd1,Mtf2,A caa2,Tgif1,Cct7,Pim3,Mcm3,Rrm2,Nudt1,Asxl3,Ccnb2,Runx2,Cep152,Casp2,Kif21a,Pcnt,Depdc1a,Stoml2,Dhx15,Slco4a1,Wdr75,Gins4,Cdca4,Tk1,Tpx2,Psm14,Ppbb,Abhd10,Casp6,Chtf18,Gnl3,Pbk,Actl6a,Dapp1,Yes1,Mre11a,Timp1,Lifr,C dca8,Rad51,Incenp,Ppa1,Gtse1,Dnajc9
mmu-miR-382*	49(1239)	2,88E-10	Etaa1,2810046L04Rik,Trim24,Rnmt,Spred2,Kif2a,Dsn1,Dctd,Prim1,BC055324,Klhdc2,Zfp184,Zik1,Pla2g4a,Smek1,Abcb1 b,Npn2,Pcnt,Casp8,Metap1,Csnk1g3,Ankrd57,2810474O19Rik,E330009J07Rik,Rbm25,4930579G24Rik,Nt5c3l,Pkp2,Pvrl3,Eif4enif1,Patz1,Wdr73,Eif5,Tpp2,Dapp1,Strap,Plscr1,Slc43a3,Pum2,Rfpl4,Sdrp,Col7a1,Rcl1,Ddx39,Pebp1,lvns1abp,T mpo,Rbpj,Kif23
mmu-miR-450b-5p	60(1239)	2,90E-10	6430527G18Rik,Diap3,Erc6l,Caprin1,Iff205,Snx7,Nup37,Zfp52,Mapk8,1110020G09Rik,Ythdf2,Ddx46,Exosc8,Tcerg1,Ri ok2,6720463M24Rik,Fkbp5,Tiam2,Nrp1,Ahctf1,Gspt1,Prim1,BC055324,Pim3,Lsm2,Rrm1,Pcna,Emg1,Pde1a,E130303B06Rik,Pcnt,Tslp,Recql4,Rsbn1,Hbs1l,Sbno1,Lrrk1,E330009J07Rik,Itih2,Dbf4,Snrpg,Hat1,Pvrl3,3110003A17Rik,Socs6,Clsn1,Ss18,Apitd1,Usp37,Eif5,Anp32b,Dcbl1,Cenpk,Nol11,Pcf11,Incenp,Dyrk3,Ezh2,Smyd5,Smc4
mmu-miR-717	58(1239)	3,28E-10	Prim2,Ell,Ankrd32,D19Bwg1357e,Mum1,Plk1,Rangap1,Idh3a,2010002N04Rik,Noc4l,Elp2,Tiam2,Acaa2,Hdac2,Tuba1c,L uc7l,Klhdc2,Usp34,Ncapg2,Ncapd2,Pdk3,Kif20a,Chst1,Sp25,Baz1a,Parp12,2310057M21Rik,Ppp1cc,Mtap,Wipf1,Usp3,Cdc7,Snrpg,Hn1,Mcpt8,2810025M15Rik,Ptld1,Fzd3,Anln,Dus3l,Prmt5,Wdr73,Setd1,Ilf3,Cdkn2c,Dapp1,Strap,Actr3,Tacc3,Cenpk,Ptpb2,TeX10,Nol11,Incenp,4632434I11Rik,Rbm12,Gtse1,Rbpj
mmu-miR-92a	63(1239)	3,92E-10	Gata2,Rbm26,Sirt1,H2afv,Birc5,Fhl2,Ets1,Has2,Dcp1a,Cdc27,Mup4,Nrf1,Rest,Zc3h15,Ahctf1,Cit,Tgif1,BC055324,Nfatc2i p,Rad21,Asxl3,Eef1e1,B230120H23Rik,2700029M09Rik,Arl4c,Pcnt,Cul4b,Rsbn1,Cng2,Mtap,Rpl12,Ewrs1,Tube1,Nusap1,Zfp54,Myo1b,Mmd,Tk1,Mbd4,Mtm1,Sfxn1,Prps1,3110003A17Rik,Abhd10,Neto2,BC016423,Slco1a5,Foxp1,Eif5,Pum2,Fancd2,Dcbl1,Dtymk,Ppww1,Atrx,Pcf11,Zfp281,Gpsm2,Ppa1,Nsl1,Cdh10,Dock5,Mrpl18
mmu-miR-302b	60(1239)	4,69E-10	Etaa1,Diap3,Ankrd32,Lgl1,Bclaf1,Cenpq,Atad2,Dnmt1,Riok2,Ddx52,Egr3,Rest,Parp1,Vrk3,Schp1,Prim1,Rnps1,Ppid,Dbr1,Trib1,Larp7,2610039C10Rik,Cbx1,Abcb1b,Cep152,Casp2,E130303B06Rik,Idh2,Tslp,Gtf2h2,Lrrk1,Nxf1,Asf1b,Pttg1,Kpna2,Snw1,Nfkbiz,Cdca4,Rpa2,Wee1,Hn1,Nmral1,Aifm1,Nup88,Smchd1,Wdr55,Trp53bp2,Dut,Tinf2,Bbs12,Synj2,Cep55,R src2,Pdss1,Pcf11,Hells,C330027C09Rik,Ccdc18,4632434I11Rik,Pou2f1

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-434-3p	59(1239)	4,74E-10	Etaa1,Timeless,Mtmt4,Caprin1,Tcf19,Ucp2,2610101N10Rik,Ddx27,Ddx46,Tcerg1,E2f8,Cdc51,Kif18a,Ttl4,Zw10,Ppid,BC055324,Ctbp2,Zmynd19,Scrib,Zc3h8,Ccng2,Atad5,Gtf2h2,Ptpn2,H2-K1,Rpl12,Metap1,Trim25,Dhx15,Cbx3,Pif1,Nr2f2,Rpa2,Arid4b,Sip1,Pvrl3,Eif4enif1,Tbx3,Nutrf2,Tpm3,Synj2,Cacna1c,Syn e2,B3galnt1,Mrpl1,Cd14,Gprc5c,Fancd2,Zcchc8,Thoc2,Cdca8,Gmps,Incenp,Ppa1,Ahcy1,2810408A11Rik,Rrs1,Eif2s1 6430527G18Rik,Timeless,Birc5,Abi1,Rnmt,Glrx,Arhgap11a,Fus,Has2,2610101N10Rik,Setdb2,Wdr3,Ythdf2,Ddx46,Tcerg 1,Ube2e3,Aspm,Mup4,Ruvbl1,Fkbp5,Ctcf,Ythdc1,Ccne2,Cyp26b1,Schp1,Mtf2,Api5,Sfpq,Luc71,Klhdc2,Rrm1,Ctbp2,Trip 13,Cbx1,Kif20a,U2af1,Lig1,Dusp6,Baz1a,Idh2,Suz12,Vangl2,Ssb,Ptges3,Cead2,Mbd4,Unc5c,Arid4b,Kin,Net1,Dus3l,Tnks 2,Ilf3,Mcm6,Arhgap19,Cep170,Rpl13a,Mast4,Psmd5,Bcl2l11,Tfrc,Top1,Mrpl18,Eps8
mmu-miR-200a	64(1239)	5,08E-10	Tmem39b,Trim24,Marcks1,Dhx9,Depdc1b,Cks1b,Steap1,Txnrd1,2610101N10Rik,Pspc1,Exosc8,Pnn,E2f8,Vrk3,Nrp1,Slt m,Schp1,Blm,Tgif1,Cldn12,Cct5,Luc71,Ash2l,Egfr,Trip13,Dtl,Set,Hnrpl1,Gtf2h2,Ptpn2,Fanca,Hyal2,Fbl,Bub1b,Top2a,Dbf4 ,Sumo2,Rsf1,Rbm17,Cenpn,Fzd3,Nudt21,Jub,Rbmx2,Cd24a,Limd2,Nudc,BC016423,Wdr73,Synj2,Cct8,Hirip3,Ppwd1,17 00025G04Rik,Cdca8,Ppa1,Nsl1,E130308A19Rik,Dmap1
mmu-miR-194	59(1239)	5,52E-10	Cdca7l,2700050L05Rik,Mtmt4,Ufp3b,Ets1,Ccne1,Sass6,2610101N10Rik,Setdb2,Wdr5,Pdgif,Noc4l,Aurka,Ruvbl1,Zc3h1 5,Tox,Slc11a2,Dhx36,Luc71,Tll1,Sms,Rrm1,Ccdc99,Ncapg2,Casc5,Smc5,Pnpt1,Depdc1a,Larp4,D10Wsu102e,Ckap2,1110 034A24Rik,Top2a,Snrpg,Nme4,Nmral1,Egr1,Isg20I2,Gphn,Chtf18,Rif1,Cdc6,D16Ert472e,Fancd2,E330016A19Rik,Ppwd 1,Psmd5,Ddx39,Cdca8,Pcf11,Hells,Gart,Dyrk3,2010204K13Rik,Rbpj,Slc4a7,Pogz
mmu-miR-215	57(1239)	5,61E-10	Etaa1,Ncaph,Zfp292,Spred2,Kif2a,Bclaf1,Ctsw,Cenpq,Kif4,Elavl1,1110020G09Rik,Dnmt1,Pdia6,Egr3,Rest,Vrk3,Tmem17 3,Trib1,Larp7,Abcb1b,Psmc3ip,Cep152,E130303B06Rik,Ccng2,Gtf2h2,Lrrk1,Rpl12,Stk17b,Palld,Kpna2,Pif1,Cdca4,Rpa2, Wee1,Hn1,Runx1,Aifm1,Nup88,Iws1,Pvrl3,Wdr5,Bbs12,Asf1a,Cep55,Dtymk,Rsrc2,Mast4,Pdss1,Thoc2,Cnn3,Pepp1,Cc dc18,463243411Rik,Pou2f1,Cebpz
mmu-miR-294	55(1239)	6,65E-10	Nedd4l,Tgif2,1110012J17Rik,Prkar2b,Rnmt,Amd1,Mum1,Phactr4,Rapgef2,Aurkb,Pspc1,1110020G09Rik,Ythdf2,Pdia6,V rk3,Tox,Fxn,Schp1,Pdap1,Acaa2,Prim1,BC055324,Rad21,Ccdc99,Pcna,Pla2g4a,Gins1,Abcb1b,Mbtps2,Gppb1,Npn2,Ccn f,Snrpa1,Hbs1l,Troap,Gtf2h2,H2- K1,Crebzf,Rpl12,Rbm25,Hmgb2,Nfx1,Rad18,Melk,Tpx2,Fgf7,4930427A07Rik,Actl6a,Cdc40,Foxp1,Mboat2,Ptbp2,11100 04E09Rik,Cdca8,Phlda1,Me2,Ppa1,Nxt1,Rbpj
mmu-miR-181d	59(1239)	7,13E-10	Fmr1,Cdca7l,Asph,Pcm1,Dffb,Impa2,Whsc1,D19Bwg1357e,Eef1g,Arhgap11a,Gemin6,Rangap1,Ncl,Noc4l,Tpd52,D2Wsu 81e,Ppat,Slc11a2,Cct7,Lsm2,Tuba1c,Cct5,Aftph,Cep57,Scarb1,Cbx1,Brd8,Lig1,Mpzl1,Rad51c,Kif21a,H2afy,Metap1,Zfp4 51,Tardbp,Kpna2,Colec12,Cdc7,Gins4,Syt17,Pkp2,Limd2,Rps13,Cdc40,Ociad2,Actr3,Cnot6,Slc43a1,Nufip1,Pold1,Rfc2,C enpk,Ptbp2,Mast4,1110004E09Rik,Erh,Cdca8,Nol11,Cd300Ib,Uhrf1,Tpbj,Hnrpd1
mmu-miR-362-3p	62(1239)	7,24E-10	2810046L04Rik,Diap3,Prkar2b,Eccc6l,Ufp3b,Glrx,Snx7,Cenpq,Ythdf2,Ddx46,Rpl7a,Pnn,Tcerg1,Riok2,Ndc80,Ruvbl1,Gspt 1,Slit2,Msh3,Sh3kbp1,Gppb1,Casc5,Peg12,Pcnt,Shcbp1,Tslp,Rpl12,Tial1,Hyal2,Ssb,Zfp451,Spred1,Spzy2,Slco4a1,Top2a, Itih2,Cep70,Mtm1,Ankrd28,Pvrl3,Fzd3,Wdr55,3110003A17Rik,Clspn,Cct3,G3bp1,Slco1a5,Rasal2,Cenpk,Sf3a3,Rpd21,Dy rk3,463243411Rik,Ezh2,Nsl1,Hnrpd1,Tcf4
mmu-miR-450a-5p	57(1239)	7,68E-10	Ercc6l,Vegfc,Birc5,Abi1,Dhx9,Ccbe1,Nol9,Arhgap11a,Plk4,Tnnt2,Pgm1,Bcl10,Parp1,Ahctf1,Ythdc1,Nt5dc2,Casp3,Mrps6 ,Acaa2,Cenph,Dusp4,Pcna,Smek1,Slc25a5,Cbx1,Ctnna1,Casc5,Ccnb1,Zfp217,Baz1a,Ptgs2,Cul4b,Satb2,Ccng2,Gtf2h2,Ptp n1,Mtap,Tube1,Spzy2,Nup1,Gins4,Npm1,Hn1,Cep70,Arid4b,Gli3,Nab2,Jub,Trp53bp2,Rps13,Slc25a24,Mast1,Suv39h2,C ep55,Mcm6,D16Ert472e,E330016A19Rik,Ezh2,Mrpl18
mmu-miR-137	59(1239)	7,79E-10	Ranbp1,Prpf40a,Eif2,Ucp2,Mki67,Plk1,Rapgef2,Las1l,Aurkb,Mapk8,Noc4l,6720463M24Rik,Cep68,Nol10,Tmem48,Blm, Tubb5,Tmem173,Cdk2,Brca1,Sfpq,Smarc1,Uspp34,Abcb1b,Eif4a3,Lig1,Scrib,Set,Idh2,Ssb,Zfp451,Spred1,Spzy2,Slco4a1,Top2a, 4l,Zfp54,Esp1l,E330009J07Rik,Ccna2,Cdc7,Cdca4,Dbf4,Prpf3,Kin,Psmd14,Hat1,Cdca3,Sox4,2610318N02Rik,Sertad1,Pk myt1,Mycn,Nav3,Lmnb1,Pafah1b3,Dcbld1,Col7a1,Zcchc8,Rpl13a,Bcl2l11,Etv4,H2afx,Rad51,Egf7,Cdh10,Smarcc1,Kif23, Dmap1
mmu-miR-29a	66(1239)	8,04E-10	Chd1,Tmem39b,Rbm26,Prkar2b,Depdc1b,Elf2,F2rl1,Arhgap11a,Ruvbl1,Mad2l1,D2Wsu81e,Cdc5l,Gspt1,Yme11,Sltm,Nf rkb,Ect2,Luc71,Cdc25a,Zfp532,Serb1,Sbno1,Fanca,Ewsr1,Nasp,Wipf1,Cdc7,Hspa4l,Igav,Top2a,Sumo2,Pbbp,Pigf,Smch d1,Nde1,Eif4enif1,Uspp37,Ncapg,B3galnt1,E330016A19Rik,Cenpk,Whsc2,Me2,E130308A19Rik,Nxt1,Dmap1
mmu-miR-295*	43(1239)	8,14E-10	Nck2,Ilf205,Ktn1,1110020G09Rik,Dnmt1,Ddx52,Bcl10,Tiam2,Impdh2,Mcm3,Lsm2,Hdac2,Etf1,Agxt2l2,Aftph,Cdca2,Enp p1,Hmgb3,Slc19a1,Gins1,Cbx1,Psmc3ip,Ncapd3,Reclq4,Gtf2h2,Prpf4b,Pnpt1,Acsl3,Zfp451,Snrpd1,2810055F11Rik,Neil 3,Paip1,Fgf7,Slc38a1,Asf1a,Tnrc6a,Yes1,Plscr1,B3galnt1,Bhlhb9,Arhgap19,Cenpk
mmu-miR-30e*	56(1239)	8,38E-10	Prpf31,2700050L05Rik,Prim2,Prkar2b,Acly,Spag5,Dsn1,Hmmr,Cenpq,Kif4,Xpo7,Msh2,Ank3,Vrk3,Lcorl,Lsm2,Luc71,Etf1, Usp34,Gins1,Ccnb2,B230120H23Rik,Ncapd3,Rps9,Troap,H2afy,Ssb,2810474O19Rik,Kin,Mtm1,Ints5,Rbm17,Axl,Patz1,N udic,Ahcy,Synj2,Cdc40,Mycn,Ociad2,Syne2,Ddx10,Stmn1,Mcm6,Rcl1,Lrrc8c,A1848100,Cdca8,Khdrbs1,C330027C09Rik,4 63243411Rik,Arf6,Cdc73,Gtse1,Mrpl18,Smc4
mmu-miR-350	58(1239)	9,58E-10	Asph,Rbm26,Trim24,Ercc6l,Ccbe1,Fhl2,Eef1g,Kif2a,Mum1,Fubp1,Las1l,Pspc1,Srpk1,Dnmt1,Ube2e3,Polr1e,Casp3,Schp 1,Prim1,Ppid,Lsm2,Fbxo5,Armc8,Cenph,Msh3,Aftph,Exo1,D1Bwg0212e,Kif21a,Tslp,Gnb4,Rpl12,Ewsr1,Spzy2,Sumo2,Sn rpg,Rad18,Psmd14,Cenpa,Rsf1,Pvrl3,Slc38a1,Cenpf,Fgd3,Fbln1,Ilf3,Bnc2,Pum2,Stmn1,Mcm6,Arhgap19,Ppwd1,Incenp, C330027C09Rik,Ivns1abp,Tmpo,ift74,2010204K13Rik
mmu-miR-141*	47(1239)	1,19E-09	Cenpc1,Fhl2,Eef1g,Mum1,Elk3,Smpdl3b,Prdx4,Ppih,Ncl,Ank3,Impdh2,Ctbp2,Emg1,Setx,Pde1a,E130303B06Rik,Rps9,Re cql4,Prpf4b,Nxf1,Ssb,Rad54l,Traip,Ptges3,Smndc1,Smc3,Gins4,F630043A04Rik,Nab2,Clspn,Cenpf,Xpo1,Ilf3,Cnot6,Syne 2,Stmn1,C79407,Abl2,Dcbld1,Rfc2,Rpl13a,Ptger4,Apex1,Incenp,Uhrf1,2010204K13Rik,Smyd5
mmu-miR-152	61(1239)	1,26E-09	Chd1,Ncaph,Rcc2,Prim2,Whsc1,D19Bwg1357e,Depdc1b,Tcf19,Snx7,Ctsw,Plk1,Aurkb,Dnmt1,Egr2,Ank3,Nuf2,Vrk3,Ppil5 ,Lrp8,Mtf2,Acaa2,Hdac2,Cand1,Sh3kbp1,Pde1a,Ccnb2,Lbr,Psmc3ip,Rad51c,Zc3h8,Hbs1l,Sgms1,Imp3,Ptpn2,H2- K1,Wipf1,Trim25,Palld,Slco4a1,Uspp37,Ccna2,Cdc7,Nfx1,Snrpd1,Nme4,Nmral1,Ctsh,Mtm1,Psmd14,Rsf1,Ptcd3,Sip1,Dut,T inf2,Foxp1,Mycn,Tnrc6a,Fmnl3,B3galnt1,Dock5,Dnajc9
mmu-miR-33	57(1239)	1,33E-09	Gemin4,Arhgap22,Gmnn,Fhl2,Tnnt2,Smpdl3b,Fubp1,Strbp,Ddx27,Ddx46,Ddx52,E2f8,Tiam2,Ahctf1,Casp3,Dhx36,Lcorl, Pim3,Lsm2,Tll1,Myc,Cand1,Cdca2,Sgol1,Zfp184,Dtl,BC031781,Eif4a3,Mapk1,Snrpa1,Ptpn2,Stag1,Rpl12,Gins4,F630043 A04Rik,Tk1,Cep70,Nt5c3l,Mpp6,Pvrl3,3110003A17Rik,Cct3,Tipin,Mphosph10,Tpm3,Eif5,Cacna1c,Dapp1,Strap,Umps,ss rp1,Fancd2,Nol11,Zfp281,Ezh2,Gins3,1810011O10Rik
mmu-miR-181b	59(1239)	1,40E-09	Nedd4l,Tgif2,1110012J17Rik,Prkar2b,Rnmt,Mum1,Phactr4,Rapgef2,Aurkb,Pspc1,Ythdf2,Noc4l,Pdia6,Bcl10,Nrf1,Vrk3,F xn,Schp1,Pdap1,Acaa2,Nfatc2ip,Msh3,Ccdc99,Pcna,Pla2g4a,Gins1,Gppb1,Npn2,4930547N16Rik,Ccnf,Snrpa1,Hbs1l,Tro ap,Gtf2h2,H2- K1,Crebzf,Rbm25,Hmgb2,Nfx1,Rad18,Melk,Tpx2,Fgf7,Actl6a,Wdr73,Polr3b,Cdc40,Ilf3,Foxp1,Mboat2,Col7a1,Ptbp2,Cdc a8,Phlda1,Me2,Gpsm2,Ppa1,Nxt1,Rbpj

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-190b	51 (1239)	1,42E-09	Sap30,Pop1,Rbm26,Irfi205,Steap1,Snx7,Nup37,Has2,Smpd13b,Atad2,Pgm1,Myef2,Kif18a,Yme111,Wsb1,Blm,Tmem173,Eef1e1,Egrf,Pde1a,Kif21a,Shcbp1,Tslp,Rsbn1,Hbs1,Gtf2h2,Nup107,Lyar,Chek1,Nfx1,Pank4,Melk,Mtm1,Psm14,Chd2,Schmd1,Cenpn,Pvrl3,Soat1,Synj2,Slco1a5,Cdkn2c,Eif5,Tnrc6a,Actr3,Flgln1,Ppww1,Pdss1,Hells,Dyrk3,Rbl1
mmu-miR-128a	59 (1239)	1,62E-09	Pcm1,Dffb,Trim24,Erc61,Vegfc,Upf3b,Amd1,Depdc1b,Nol9,Zfp52,Ctsw,Gemin6,Fubp1,Pspc1,1110020G09Rik,Dnmt1,Aurka,Riok2,Ube2e3,Msh2,2510012J08Rik,Fndc4,Rrm2,Cct5,Csf1,Pla2g4a,Pde1a,Casc5,Smgs1,Pnpt1,Nusap1,Ncam1,Bub1b,Cdca4,Nfx1,Mmd,Cep70,Kin,Melk,2810025M15Rik,Mpp6,Pigf,Pvrl3,Ppif,Dut,Cct3,Gnl3,Sertad1,Ruvbl2,Mcm2,Plscr1,B3galnt1,Fbxo32,Ddx39,Nek2,Ppa1,Ezh2,Cebpz,Pogz
mmu-miR-92b	62 (1239)	1,67E-09	2810046L04Rik,Gemin4,Gata2,Khsrp,Rbm26,Sirt1,H2afv,Errfi1,Birc5,Fhl2,Has2,Dcp1a,Cdc27,Mup4,Nrf1,Ahctf1,Cit,Tgif1,BC055324,Nfatc2ip,Rad21,Asxl3,Eef1e1,Smek1,Usp14,B230120H23Rik,2700029M09Rik,Pcnt,Cul4b,Rsbn1,Ccng2,Mtap,Rpl12,Csnk1g3,Nusap1,Myo1b,Mmd,Tk1,Mbd4,Zcchc2,3110003A17Rik,Slc38a1,Abhd10,Neto2,BC016423,Slco1a5,Foxp1,Eif5,Cep55,Mcm6,Fancd2,Dcbl1,Dtymk,Ppww1,Atrx,Phlda1,Pcf11,Gpsm2,Ppa1,Cdh10,Dock5,Mrpl18
mmu-miR-376b	54 (1239)	1,89E-09	Etaa1,D19Bwg1357e,Irfi205,Cks1b,Dkc1,Snx7,Mum1,Gemin6,Dcp1a,Lrig3,Fubp1,Ndc80,E2f8,Nol10,Mcm4,Acaa2,Fndc4,Cdk2,Adams7,Usp10,Cbfb,Myo,Usp34,Slc29a1,Gins1,Cbx1,Usp14,Rad51c,Arl4c,Spc25,Acl3,Tial1,Hyal2,Nxf1,Asf1b,Rasa1,Bub1b,Arid4b,Mtm1,Pkp2,Cachd1,Ddx11,3110003A17Rik,Slc38a1,BC016423,Wdr73,Pum2,Mcm6,Gprc5c,Rfc2,Ppww1,Th11,Tnfaip6,2010204K13Rik,Ecd
mmu-miR-124	62 (1239)	1,92E-09	Snx5,Nedd4l,H2afv,Erc61,Kif2a,Mum1,Ripk2,Mnd1,Fubp1,Emb,Aurka,Bcl10,Tmem48,Lrp8,Por,Brca1,Cct7,Mcm3,Lsm2,Luc7l,Usp1,Cct2,Sh3kbp1,Prsc1,Ncapg2,Slc29a1,U2af1,Dhodh,D1Bwg0212e,Ihd2,Imp3,H2afy,Suclg2,Pnpt1,Ptpn12,Ccn2,Gins4,Nme4,Rad18,Mtm1,Mpp6,Ppif,Abhd10,Kcnc2,Ddx31,Pbk,Ilf3,5730559C18Rik,Ddx10,Gprc5c,Rfc2,Tacc3,Arhga19,Ptbp2,Thoc2,1700025G04Rik,Incenp,1700054N08Rik,Gart,Wdhd1,Dock5,2010204K13Rik
mmu-miR-223	54 (1239)	1,98E-09	Sap30,Tmem39b,Prkar2b,Rnmt,Prx,Eef1g,Fus,Spag5,Sass6,Kif4,Tcerg1,Ndc80,E2f8,Nol10,Mcm4,Acaa2,Fndc4,Cdk2,Adams7,Usp10,Cbfb,Myo,Usp34,Slc29a1,Gins1,Cbx1,Usp14,Rad51c,Arl4c,Spc25,Acl3,Tial1,Hyal2,Nxf1,Asf1b,Rasa1,Bub1b,Arid4b,Mtm1,Pkp2,Cachd1,Ddx11,3110003A17Rik,Slc38a1,BC016423,Wdr73,Pum2,Stmn1,Ptbp2,Rpl13a,Pol2,Tnfaip6,Tpbg,Pogz
mmu-miR-329	56 (1239)	2,01E-09	6430527G18Rik,Asph,Pcm1,H2afv,Impa2,D19Bwg1357e,Mum1,Plk1,Gemin6,Rangap1,Rapgef2,Ncl,Rbbp7,Cct7,Lsm2,Nup93,Tuba1c,Cct5,Gpd2,Asxl3,Aftph,Cep57,Ung,Cbx1,Brd8,Gbbp1,Peg12,Lig1,Ncapd3,Kif21a,Atad5,H2afy,Prpf4b,Meta1,Kpna2,Gins4,4930579G24Rik,Nmral1,Pkp2,Limd2,Ss18,Fbln1,Wdr73,Cdc40,Cnot6,E2f7,Akap8,Rfc2,Stil,Ptbp2,Mast4,Nek2,Cdca8,1700054N08Rik,Cdh10,Tpbg
mmu-miR-467b	64 (1239)	2,27E-09	Mtmr4,Ankrd32,D19Bwg1357e,Plk4,Spag5,Cenpq,Atad2,Mrps22,1110020G09Rik,Ddx52,Mup4,Egr3,Vrk3,Prim1,Tubb5,Suv39h1,Hdac2,Dbr1,Cacybp,Zfp184,Ccdc99,Pik3c2a,Larp7,Cbx1,Thsd7a,Cep152,Casp2,Rad51c,Gtf2h2,Pol2,Nxf1,Trim25,Wdr75,Snw1,Uchl5,Pif1,Hmgb2,Itgav,Nr2f2,Rfc5,Aifm1,Hat1,Ube2t,Smchd1,3110003A17Rik,Sox4,Cenpf,Nucks1,Act16a,Asf1a,2410016O06Rik,Cdc40,Mast1,Syne2,Stil,Mast4,Twistnb,Pcf11,Ccdc18,463243411Rik,Nsl1,Cenpi,Cdt1,AA408296
mmu-miR-129-5p	54 (1239)	2,72E-09	6430527G18Rik,Lrrc45,Rcc2,Prkar2b,Trim24,Rbmxt,Marcks1,Irfi205,Spag5,1110020G09Rik,Exosc8,Rbbp7,Egr3,Fkbp5,2510012J08Rik,Fbxo5,BC027072,Rrm1,Setx,Pkn3,Abcb1b,Lig1,E130303B06Rik,Zc3h8,Pcnt,Reclq4,Gtf2h2,Sbno1,Acl3,Prpf38a,Hyal2,Rasa1,Ith2,Prpf3,Paip1,Egr1,2810025M15Rik,Igsf3,Mpp6,Fgf7,Cct3,Syne2,Bhlhb9,Sdpr,Tacc3,Zcchc8,Tnfaip6,Gart,Ppa1,Nxt1,Smyd5,Ecd,Tcf4,Smc4
mmu-miR-878-5p	55 (1239)	2,96E-09	Timeless,Upf3b,Zfp52,Acl3,Sass6,2610101N10Rik,Srpk1,Elp2,Pgm1,Tiam2,Cit,Epc2,Fbxo5,Enpp1,Prsc1,Pla2g4a,Gins1,Ncapd2,Cep152,Gbbp1,B230120H23Rik,Baz1a,Pcnt,Rpl12,Ssb,Larp4,Cdca4,Mns1,Nfx1,Snrpg,Rad18,Mpp6,Smchd1,Ints7,Casp8ap2,Bbs12,Esco2,Pbk,Stt3b,Synj2,Nsmce4a,Gas2l3,Mast1,Ddx20,Mboat2,Syne2,Stmn1,Thoc2,Gpsm2,Ppa1,Tmpo,Nxt1,Cdh10,Rbpj,Smrcc1
mmu-miR-153	56 (1239)	3,37E-09	Ankrd50,Nedd4l,Prkar2b,Rbmxt,Birc5,Dhx9,Taf5,Pole2,Has2,Pspc1,Kif11,Dnmt1,E2f8,Rest,Lrp8,Mtf2,Dhx36,Snrpb,Sfpq,Armc8,Cep57,Ctbp2,Rpl30,Pla2g4a,Larp7,Ncapg2,Zfp217,Shcbp1,Cul4b,Casp8,Zfp451,Chaf1b,Nup11,Kpna2,Rasa1,Mns1,Pprc1,Cep70,Pkp2,Ckap4,Pigf,Limd2,Abhd10,Pthr2,Slc39a10,Slco1a5,Rrad,Ppww1,Map4k5,Sf3a3,Cdca8,Smu1,Hells,Myct1,E130308A19Rik,Ltpb1
mmu-miR-467a*	44 (1239)	3,41E-09	Etaa1,Prim2,Cenpc1,Mum1,Aurkb,1110020G09Rik,Aurka,Aspm,Utp18,Schip1,Glul,Chuk,Npn2,Set,Satb2,Gtf2h2,Sbno1,Depdc1a,Ewsr1,Ssb,Zfp54,Pttg1,Rbm25,Npm1,Hmgb2,Ckap2,Ith2,Paip1,Casp8ap2,Anln,Il1rap,Smc2,Topbp1,Nsmce4a,Cep55,Slc43a3,Ddx10,Fancd2,Rfc2,Col7a1,Thoc2,Pcf11,Cenpi,Kif23
mmu-miR-384-5p	52 (1239)	3,42E-09	Etaa1,Chd1,Sap30,Diap3,Prim2,Errfi1,Rnmt,Dhx9,Bclaf1,Plk4,Cenpq,Ppib,Atad2,Mnd1,Emb,Noc4l,Cep192,Tcerg1,Msh2,Msh6,Ppid,Dbr1,Hspa14,Cand1,Cbx1,Usp14,Smc5,Sbno1,Wdr75,Cdca4,Dbf4,Unc5c,Zcchc2,Ube2t,Pvrl3,Nu dt21,2410042D21Rik,Actl6a,Synj2,Cct8,Cnot6,Rrad,Esf1,Rfp4,Dcbl1,Cenpk,2610027L16Rik,Tex10,463243411Rik,Gpsm2,Ppa1,Terrf1
mmu-miR-23a	57 (1239)	3,56E-09	Sirt1,Marcks1,Ankrd32,Skp2,Ktn1,Elf2,Mum1,Snapc3,Dctd,Ddx46,Ddx52,Pdia6,Aspm,6720463M24Rik,Vrk3,Zw10,Cpsf4,Tgif1,Rnps1,BC055324,Snrpb,Fbxo5,Cenph,Nudt1,Cand1,Ccdc99,Dusp5,Gbbp1,H2-K1,Crebzf,Lrrk1,Rpl12,Dhx15,Espl1,Kpna2,Ncapd2,E330009J07Rik,Hmgb2,Nt5c3l,Pank4,Pigf,Ube2t,Ppif,3110003A17Rik,Zbtb12,Tpm3,Gas2l3,Mboat2,Dcbl1,Ppww1,Trub1,Snrpb2,Gmps,H2afz,Zfp281,Tmpo,Mrpl18
mmu-miR-292-3p	61 (1239)	3,81E-09	Nedd4l,Diap3,Ap1s3,Atad2,Mrps22,2010002N04Rik,1110020G09Rik,Ddx46,Ddx52,Egr2,Egr3,Ilf2,Vrk3,Gspt1,Nt5dc2,Mrps6,Sin3a,Tubb5,Mcm3,Sfpq,Rrm2,Nudt1,Ncapd2,Pdk3,Pkn3,Cep152,Dusp6,Ccng2,Gtf2h2,Ppp1cc,Depdc1a,Sf3a1,Spry2,Uspp3,Pif1,Nr2f2,Snrpd1,Arid4b,Tpx2,Ints5,Cenpn,Sip1,3110003A17Rik,Fbln1,Cdc40,Suv39h2,Ddx20,Osmr,Tpp2,Plekha5,Mboat2,H2afz,Syne2,Mcm6,Dcbl1,Eif4h,Khdrbs1,Nup43,463243411Rik,Ezh2,Cenpi
mmu-miR-150*	47 (1239)	3,81E-09	Nck2,H2afv,Rbmxt,Prx,Wdr43,Fosl1,Ogfrl1,Sass6,Tes,Pnn,Il13ra1,Por,Lsm2,Fbxo5,Cct5,Myo,Agxt2l2,Enpp1,Pcna,Emg1,Ncapd2,Cbx1,Micall2,Crlf1,Snrpa1,Depdc1a,Wipf1,Nusap1,Wdr75,Nup11,Sema4b,Prpf3,Pank4,Limd2,Gphn,Eif4enif1,Gnl3,Zrsr2,Prc1,Ssrp1,Slc43a3,Ddx10,Rcl1,Th11,Cnn3,Ezh2,Smyd5
mmu-miR-377	51 (1239)	3,97E-09	Ranbp1,Prx,Depdc1b,Kif2a,Gemin6,Fubp1,Noc4l,Tcerg1,Egr2,Ahctf1,Kif18a,Sltm,Dhx36,Tmem173,Armc8,Hspa14,Sgol1,Ung,Pla2g4a,Cep152,Ncapd3,Casp8,Tial1,Espl1,Larp4,Snw1,Rasa1,Hmga2,Cdca4,Nt5c3l,Egr1,Trit1,Psm14,Fzd3,Cenpe,Rad51ap1,Foxp1,Anp32b,Yes1,Pum2,Dcbl1,Rfc2,Rcl1,Whsc2,Pcf11,Egfl7,Tmpo,Cdt1,Mrpl18,Hnrpd1,Socs4
mmu-miR-107	56 (1239)	4,22E-09	Chd1,Lrrc45,Prim2,Mtmr4,Rnmt,Fhl2,Taf5,Wdr43,Cne1,Sass6,Mapk8,Ddx46,Aurka,Pdia6,Parp1,Tox,Gspt1,Slc11a2,Mrps6,Taf5l,Nfrkb,Nfyb,Cct5,Armc8,Exo1,Ctbp2,Cep152,Shcbp1,Cul4b,Mtap,Ssb,Nup11,Ncapd2,Ptk7,Nmral1,Hat1,Axl,Wdr55,Tinf2,Patz1,Mcm7,Foxp1,Eif5,Tpp2,Slc43a1,Pafah1b3,Mcm6,Rfp4,Psm5,Vbp1,Bcl2l11,463243411Rik,Rbm12,Cdc73,Ahcy1l,Gins3
mmu-miR-467e*	43 (1239)	4,32E-09	Etaa1,Prim2,Cenpc1,Mum1,1110020G09Rik,Aurka,Aspm,Utp18,Schip1,Ppid,Glul,Eme1,Npn2,Set,Satb2,Gtf2h2,Depdc1a,Ewsr1,Ssb,Zfp54,Pttg1,Rbm25,Npm1,Ckap2,Ith2,Paip1,G3bp2,Anln,Mphospho10,Il1rap,Smc2,Topbp1,Nsmce4a,Slc43a3,Ddx10,Fancd2,Rfc2,Col7a1,Thoc2,Pcf11,Cenpi,2010204K13Rik,Kif23

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-126-5p	50(1239)	4,65E-09	Sap30,Asph,Rbm26,Cenpc1,Kif2a,Zfp52,Pole2,Lrig3,Atad2,Pank1,Las1,Pdgbf,Nrf1,Fndc4,Taf5l,Fnbp1l,Dbr1,Setx,Eme1,Slc25a5,Usip14,Snrpa1,2310057M21Rik,Gtf2h2,Sbno1,H2-K1,Pnpt1,Tube1,Usip3,Kpna2,Nfkbiz,Npm1,Neil3,Paip1,Hat1,2810025M15Rik,Rsf1,Fgf7,Casp6,Tbx3,BC016423,Sertad1,Ncapg,Rif1,Strap,D16Ert472e,Psm5,Ccdc18,Terf1,Nxt1 Tnfaip8,Dffb,Erc61,Mcm5,Hspa8,Fus,Ppih,Kif11,1110020G09Rik,Elp2,Aspm,Ruvbl1,Nrp1,Mrps6,Myc,Cep57,Sgol1,Zfp184,Pcna,Usip3,Pde1a,1700029F09Rik,Dhodh,B230120H23Rik,Pcnt,Polr2b,Gtf2h2,Hyal2,Tube1,Nup1l,Snw1,E330009J07Rik,Bub1b,Top2a,2810055F11Rik,Pkp2,Pigf,Pvrl3,Tmem49,3110003A17Rik,Neto2,Bnc2,Actr3,Cnot6,Spp1,B3galnt1,Abi2,Nob1,Al848100,Dyrk3,Nxt1,Smc4
mmu-miR-452	52(1239)	4,82E-09	Etaa1,Asph,Rbm26,Prim2,Cenpc1,Mum1,Aurka,Aspm,E2f8,Utp18,Schip1,Chuk,Npn2,Satb2,Gtf2h2,Depdc1a,Ewsr1,Acsl3,Ssb,Nup1l,Pttg1,Rbm25,Npm1,Hmgb2,Ckap2,Litih2,Paip1,Il1rap,Smc2,Topbp1,Nsmce4a,Cep55,Spp1,Slc43a3,Ddx10,Fancd2,Rfc2,Col7a1,Thoc2,Pcf11,Cenpi,Kif23
mmu-miR-467b*	42(1239)	5,20E-09	Nup50,Arhgap22,Pcm1,Ankrd32,Kif2a,Prpf19,Cpsf6,2610101N10Rik,Las1l,Cep192,Dnmt1,Pgm1,Riok2,6720463M24Rik,Msh2,Ahctf1,Dhx36,Agxt2l2,Denr,Gins1,1700029F09Rik,Dtl,U2af1,H2-K1,Nup107,Rad54l,Kpna2,Gins4,Rad18,Socs6,4933427D14Rik,Prkg2,Dus3l,Ttc3,Kcnk2,Sertad1,Actr3,Cnot6,Syne2,Ddx10,Trub1,1110004E09Rik,Pol2,Ezh2,Cenpi,Ecd,Kif23,Eif2s1,Tcf4,Socs4
mmu-miR-871	50(1239)	5,76E-09	Fmr1,Ncaph,Sap30,Pcm1,Pop1,Rbm26,H2afv,Dgcr8,D19Bwg1357e,Ifi205,Flh2,Depdc1b,Cks1b,Grx,Nup37,Ncl,Rbbp7,Tmem176b,Ank3,Klhdc2,Agxt2l2,Zfp184,Usip3,Slc29a1,Pdk3,Trim28,Adss,Runx2,Dhx15,Slbp,Nusap1,F630043A04Rik,Aifm1,Kpnb1,Rbbp8,Psm14,Hat1,Ckap4,Pvrl3,Ints7,Dut,Gphn,Tipin,Nsmce4a,Cdkn2c,Ssrp1,Nav3,Tacc3,Cenpc,Pol2,Me2,Rad51,Arf6,Uhrf1,Gtse1,Ecd,Eps8
mmu-miR-383	57(1239)	6,25E-09	6430527G18Rik,Phf6,Vegfc,Birc5,Vps36,Ppih,Ccne1,Pspc1,Rest,Msh6,Impdh2,Rnps1,Dbr1,Armc8,Hspa14,Nudt1,Pcna,Denr,Psrc1,Cd2ap,Gins1,Ccrn4l,Ncapd3,Snrpa1,Satb2,Ptpn2,Pnpt1,Mtap,Rbm25,Npm1,Ilgav,Neil3,Rpa2,Rbm17,Pvrl3,Tmem49,Rbmx2,Tipin,Mif1ip,Esco2,Rif1,H2afz,Plscr1,Sdpr,Dtymk,Al848100,Pou2f1,E130308A19Rik,Sec63,Ecd
mmu-miR-21	50(1239)	6,39E-09	Asph,Tmem39b,Rbm26,Diap3,Mcm5,Kif2a,Mybbp1a,Smpdl3b,2810008M24Rik,Aurkb,Cep192,Rpl7a,Pnn,Ifi2,Ctcf,Cit,hobtb3,Msh6,Schip1,Snrbp,Cand1,Zfp184,Gjcl,Gppb1,Sp25,Pcnt,Pol2a,Prpf4b,Ewsr1,Zfp54,Usip3,Gins4,Topors,Hmgb2,Tead2,Slc9a3r1,3110003A17Rik,Xpo1,Zrsr2,2410016O06Rik,Anp32b,Dcbl1,Zcchc8,Nob1,Ppwd1,Ddx39,Utp11l,Pou2f1,Ppa1,Nsl1,Ift74,Tpbg,Ecd,Hnrpd1
mmu-miR-409-3p	54(1239)	6,57E-09	Tnfaip8,Rbm26,Trim24,Hspa8,Fus,Cenpo,Elp2,Exosc8,Pgm1,Cdc5l,Ank3,Ebf2,Usip10,Gpd2,Psrc1,Pla2g4a,Trip13,Matr3,Gppb1,Snrpa1,Pcnt,Idh2,2310057M21Rik,Gtf2h2,Nasp,Ssb,Kpna2,Rbm25,Hmgb2,Ptk7,Aifm1,Trit1,Ckap4,Nup88,Ube2t1,Fzd3,Rbmx2,Slc38a1,Zbtb12,Foxp1,Yes1,Bnc2,Cd14,Ppwd1,Pol2a,Pcf11,Gtse1,Ahcyl1,Slc4a7,Cirh1a
mmu-miR-186	50(1239)	7,49E-09	Abi1,Kif2a,Acly,Mki67,Kif4,Las1l,Srpk1,Elp2,Bub3,Hspe1,Cep68,Hspd1,Mcm4,Ppil5,Schip1,Nfrkb,Ppid,Sgol1,Eme1,Ccnb2,Adss,Baz1a,Otud4,Cul4b,Ppp1cc,Sf3a1,Wipf1,Asf1b,Smndc1,Pttg1,Prpf3,Smchd1,Cdca3,Pvrl3,Prps1,Socs6,Fgd3,Patz1,Wdr73,Nsmce4a,H2afz,E2f7,Mrpl1,Pafah1b3,E330016A19Rik,Mre11a,Gmps,Rad51,Incenp,Zfp281,C330027C09Rik,Gart,Pou2f1,Eps8
mmu-miR-685	54(1239)	7,62E-09	Nedd4l,Timm8a1,Ets1,Mybbp1a,Rangap1,Ddx46,Pgm1,Ptre,E2f8,Ifi2,Tll4,Acaa2,Tmem173,Snrbp,Luc7l,Kif20a,Chst1,Thsd7a,Baz1a,Sgms1,Gtf2h2,Pnpt1,2210018M11Rik,Nxf1,Rad54l,2810474O19Rik,Sema4b,Npm1,Pprc1,Nfx1,Snrpd1,Fzd3,Wdr55,Rps13,Dus3l,U2af2,Pthr2,Sertad1,Akap8,Mcm6,Bhlhb9,Mre11a,Thoc2,Nsl1,Rbpj,Wdr36
mmu-miR-488*	46(1239)	7,71E-09	Ncaph,Depdc1b,Rangap1,Atad2,1110020G09Rik,Noc4l,Cdc27,Riok2,Hspe1,Nrf1,Vrk3,Tuba1c,Sox11,Zic1,Agxt2l2,Zfp184,Enpp1,Eef1e1,Setx,2610039C10Rik,Dusp5,Kif20a,Pkn3,Gjcl,Trim28,Abcb1b,Zfp217,Trim25,Ankrd57,Nusap1,2810474O19Rik,Ipo7,Pprc1,Ptk7,Snrbp,Unc5c,Melk,Pole,Fzd3,Ints7,Fgd3,Prkg2,Nutf2,Nsmce4a,Sp24,Pold1,Pum2,Mcm6,Gprc5c,Tacc3,Psm5,Thoc2,Pol2a,Gpsm2,Nsl1,Ahcyl1,Kif23
mmu-miR-409-5p	57(1239)	9,06E-09	Rbm26,H2afv,Whsc1,Rnmt,Cks1b,Pole2,Spag5,Plk1,Strbp,Wdr3,Srpk1,Cenpj,Riok2,Aspm,Mcm4,Casp3,Luc7l,Dbr1,Tll1,Egfr,Pla2g4a,Larp7,Usip3,Eme1,D1Bwg0212e,Cul4b,Lrrk1,Hmga2,Nr2f2,Trp53bp2,Topbp1,U2af2,Cacna1c,Plscr1,Lmn1b1,Akap8,Mcm6,Ppwd1,Atrx,1110004E09Rik,Lifr,Ezh2,Gtse1,Tpbg,Hnrpd1,Pogz
mmu-miR-10a*	46(1239)	9,16E-09	Ncaph,Timeless,Pcm1,Prpf19,Rangap1,Mnd1,Nipsnap1,Wdr3,Cdc27,Ube2e3,Tll4,BC055324,Hdac2,Msh3,Agxt2l2,Rrm1,Ctbp2,Glul,Emg1,Eme1,Slc25a5,Casc5,Lig1,Zfp217,Hbs1l,Imp3,Hyal2,Kars,Spred1,Smndc1,Npm1,Top2a,Gli3,Sip1,Fgf7,Ppif,Apitd1,Tpm3,Synj2,Pold3,Nav3,Abi2,Fancd2,Rcl1,Rsrc2,Trub1,Ptbp2,Sf3a3,Cdca8,Me2,Wdhd1,Rfc4,Cdh10,Pogz
mmu-miR-143	54(1239)	9,21E-09	Zfp292,Tnpo1,Prx,Gmnn,Zfp334,Vps36,Spred2,Sass6,Cdc27,Tcerg1,6720463M24Rik,Marcks,Ets2,Wsb1,Por,Fbxo5,Rrm1,Lin9,Slc25a5,Cbx1,Mpzi1,Parp12,Hyal2,Kars,Cbx3,Asf1b,Hmgb2,Nfx1,Unc13c,Melk,Net1,Patz1,Neto2,2410016O06Rik,Eif5,Whsc2,Zfp281,Hells,Ccdc18,Myct1,Ift74,Slc4a7,Eif2s1
mmu-miR-133a*	43(1239)	9,40E-09	Etaa1,Ankrd32,Ktn1,Lgl1,Bclaf1,Plk4,Ctsw,Cenpq,Atad2,Dnmt1,Ddx52,Pdia6,Egr3,Vrk3,Tox,Mrps6,Prim1,Dbr1,Trib1,Larp7,Cbx1,Psmc3ip,Cep152,E130303B06Rik,Idh2,Gtf2h2,Lrrk1,Nxf1,Asf1b,Pttg1,Kpna2,Snw1,Cdca4,Neil3,Rpa2,Wee1,Hn1,Nmral1,Aifm1,Nup88,Ptcd3,Smchd1,Wdr55,Dut,Bbs12,Synj2,Foxp1,Cep55,E330016A19Rik,Rsrc2,Mast4,Pdss1,Hells,Ccdc18,463243411Rik,Pou2f1,Cdh10,2810408A11Rik
mmu-miR-302d	58(1239)	9,76E-09	Prim2,Trim24,Prx,D19Bwg1357e,Depdc1b,Kif2a,Dctd,Ccne1,Atad2,Ddx27,Exosc8,Aurka,Msh2,Tmem176b,Vrk3,Tox,Wsb1,2510012J08Rik,Zw10,Por,Mcm3,Fbxo5,Cct5,Usip3,Eme1,Dusp5,Pcnt,Gpr126,2310057M21Rik,Gtf2h2,Spry2,Neil3,Dbf4,Pank4,Ctsh,Psm14,Ptcd3,Pvrl3,Eif4enif1,Hmgn1,Topbp1,Ncapg,Eif5,Tnrc6a,Rrad,Dcbl1,1110004E09Rik,Whsc2,Pchc2,E130308A19Rik,Tmpo,Top1,Tpbg,Slc4a7,Hnrpd1
mmu-miR-582-5p	55(1239)	1,02E-08	Lrrc45,Khsrp,Pcm1,H2afv,Zfp292,Fancm,Whsc1,Ripk2,Fubp1,Nap14,Ddx27,Noc4l,Dnmt1,Ruvbl1,D2Wsu81e,Vrk3,Tll4,Slc11a2,Acaa2,Ect2,Mcm3,Nup93,Ctbp2,Ncapg2,Dusp5,Thsd7a,Dhodh,Lig1,Suz12,Atad5,Prpf4b,Chaf1b,Asxl1,E330009J07Rik,Cdc7,Mmd,Pkp2,Hat1,Rbm17,Tmem49,3110003A17Rik,Lrig1,Tinf2,Nsmce4a,Cdc40,Ddx20,Bnc2,Slc43a3,Mcm6,Mre11a,2610027L16Rik,E130308A19Rik,Wdr36,Dmap1
mmu-miR-181a-1*	54(1239)	1,37E-08	Nedd4l,Gemin4,Clns1a,Pwp2,Whsc1,Abi1,Ccbe1,Nol9,Ctsw,Smpdl3b,Nipsnap1,Noc4l,Nrf1,Mad2l1,D2Wsu81e,Tmem48,Sltm,Pim3,Smarce1,Enpp1,Ung,Runx2,Lig1,Hbs1l,Imp3,Ptpn2,Pol2a,Suclg2,Depdc1a,Nasp,Stoml2,2810474O19Rik,CARD10,Tardbp,E330009J07Rik,Mbd4,Prpf3,Nab2,Hat1,2810025M15Rik,Cenpf,Ss18,Eif4enif1,Smc2,Ttc3,Prmt5,Slco1a5,Ilf3,Cacna1c,Pkmyt1,Nav3,Khdrbs1,Egfl7,Cdh10,Ahcyl1
mmu-miR-770-5p	55(1239)	1,44E-08	Ankrd50,2810046L04Rik,Sap30,Diap3,Prkar2b,Dhx9,Pak1,Wdr43,Sass6,Kif4,Pspc1,Strbp,1110020G09Rik,Ythdf2,Ddx46,Pdia6,Vrk3,Tox,Utp18,Schip1,Pdap1,Tgif1,Fnbp1l,Ctbp2,Pcna,Pla2g4a,Abcb1b,Mbtps2,Gppb1,Prpf38b,Snrpa1,Imp3,2810474O19Rik,Npm1,Hmgb2,Neil3,Unc13c,Slc9a3r1,Aifm1,Ptcd3,Topbp1,Actl6a,Wdr73,Cdc40,E2f7,Pafah1b3,1110004E09Rik,Erh,Zfp281,Nsl1,Cenpi,Nxt1
mmu-miR-543	52(1239)	1,46E-08	Skp2,Dhx9,Gmnn,Lgl1,Mki67,Cenpq,Gemin6,Aurkb,1110020G09Rik,Aurka,6720463M24Rik,Msh2,Mad2l1,D2Wsu81e,Fkbp5,Cep68,Vrk3,Nrp1,Sgol2,Hspd1,2510012J08Rik,Mcm4,Fxn,D2Ert4750e,Cct5,Msh3,Enpp1,Zmym1,Cep152,Eif4a3,Ssb,Tube1,Cbx3,Pif1,Ckap2,Pank4,Pkp2,Cachd1,Wdr55,Jub,Dus3l,Apitd1,Zrsr2,Tpm3,5730559C18Rik,Syne2,B3galnt1,Stm1,Gmeb1,Me2,Incenp,1700054N08Rik,Nsl1,Fancce,Cenpi,Nxt1,2010204K13Rik,Eif2s1
mmu-miR-338-3p	58(1239)	1,55E-08	

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-183*	41 (1239)	1,58E-08	Tmem39b,Prkar2b,Prx,Dhx9,D19Bwg1357e,Depdc1b,Snx7,Las1l,1110020G09Rik,Ythdf2,Cenpj,Ube2e3,Aspm,Myef2,Sg ol2,Sltm,Mthfd1,Nfyb,Aebp2,Abcb1b,Zc3h8,Spz25,Idh2,Ccng2,Gtf2h2,Pnpt1,Tial1,Zfp7,Rasa1,Bub1b,Mns1,2610301G19Rik,Mtm1,Igf2bp1,Anp32b,Pum2,Utp11,Utp6,Incenp,Hells,Eps8
mmu-miR-214	59 (1239)	1,58E-08	Cdca7l,Ahsa1,Arhgap22,Rcc2,Trim24,Dgcr8,Mum1,Acly,Dctd,Prpf19,1110020G09Rik,Tpd52,Pdia6,6720463M24Rik,Nrf 1,Egr3,Ttl4,Cdca5,Tmem48,Mrps6,Cpsf4,Pdap1,Acaa2,Tubb5,Suv39h1,Cct7,Ppid,Ung,Ncapd2,Pkn3,Trim28,Psmc3ip,B2 30120H23Rik,Ccnf,Rasa1,Cdc7,Bub1b,Trit1,Plxnb1,Jub,Kif2c,Fgd3,Mphospho10,G3bp1,Ilf3,Mastl,Ch25h,Prcl1,Dapp1,Plsc r1,Mcm6,Dcbl1d1,Tacc3,Ddx39,Phc2,Gart,Rbl1,Slc4a7,Eps8
mmu-miR-140*	52 (1239)	1,67E-08	H2afv,D19Bwg1357e,Depdc1b,Nol9,Pak1,Ap1s3,Aurkb,Wdr5,Noc4l,Smc6,Pnn,Vil1,Mad2l1,Nrp1,Sltm,Schip1,Snrpb,Rab 15,Psrc1,Zmym1,Slc19a1,Gins1,2610039C10Rik,Ncapd2,Trim28,Scrib,Ncapd3,Troap,Imp3,Rpl12,Spred1,Pttg1,Cdc7,Nr2 f2,Ckap2,Mbd4,Wee1,Unc5c,Pank4,Trit1,2810025M15Rik,Slco1a5,Dapp1,Ociad2,Nav3,Gprc5c,Dcbl1d1,Trub1,Mast4,Ra d51,Hnrpd1,1810011O10Rik
mmu-miR-483	54 (1239)	1,70E-08	Tgif2,Timeless,Cenpc1,Prkar2b,Abi1,Prx,Gmnn,Nol9,9030617O03Rik,Mki67,Ppjh,Atad2,Kif4,Las1l,Mup4,Egr3,Acaa2,Tu bb5,Fen1,Snrpb,Gpd2,Ncapd2,Ccnf,Hn1l,Rad51c,Ube2c,Spz25,X99384,H2-K1,Ssb,Neil3,Ith2,Adsl,Wee1,Prpf3,Hn1,Melk,Ptcd3,Cenpn,Slc38a1,Wdr73,Sertad1,Pafah1b3,Rcl1,Tacc3,2610027L16Ri k,Cnn3,Utp11,Timp1,Incenp,2010204K13Rik,2810408A11Rik,Dlx1,Pogz
mmu-miR-706	61 (1239)	1,79E-08	Thap2,Asph,Tmem39b,H2afv,Zfp292,Cenpc1,Trim24,Birc5,Kif2a,Atad2,Dck,Kl,Aspm,Vil1,Nrf1,Cdc5l,Nol10,Ppil5,Rrm2,T uba1c,Trim27,Dhodh,Ankrd10,Six4,Rad51c,Crebzf,2810474O19Rik,Kpna2,Rbm25,Sema4b,Igav,F630043A04Rik,Ebna1 bp2,Melk,Igfb3,Sip1,Ints7,Isg20I2,Clspn,Patz1,Prkg2,Dus3l,Nucks1,Cenpl,Ddx20,Cacna1c,Zfp422,Rrad,Nup133,Akap8,Pa fah1b3,Alkbh1,Stil,Tnfaip6,Incenp,C330027C09Rik,Ccdc18,Nsl1,Tfam,2010204K13Rik,Kif23
mmu-miR-380-5p	51 (1239)	1,79E-08	Zfp292,Prkar2b,Marcks1,D19Bwg1357e,Mki67,Ccne1,Rpl7a,Cenpj,Riok2,2510012J08Rik,Tuba1c,Myc,Sh3kbp1,Pdk3,Slc 25a5,Cttna1,Adss,Gtf2h2,Ppp1cc,Rpl12,Gins4,Mns1,Top2a,Tk1,Unc13c,Mtm1,2810025M15Rik,Pvr13,Xpo1,Mybl2,Gas2 l3,Eif5,Rrad,Nav3,Lmnb1,El12,Esf1,Trub1,Th1l,Psmd5,Thoc2,Pol2a,Utp11,Cd300b,Hells,C330027C09Rik,Myct1,Ppa1,Ce bpz,Cdh10,Dock5
mmu-miR-142-3p	53 (1239)	1,84E-08	Pcm1,Prx,Gmnn,Tnnt2,Smpdl3b,Lrig3,Mnd1,Cenpj,Aspm,Msh2,Marcks,Ilf2,Rest,Ank3,Wsb1,Zw10,Msh6,Lcorl,Cenph,R ab15,Agxt2l2,Cdca2,Zfp184,Egfr,Emg1,Pla2g4a,Cttna1,Zfp217,Idh2,Lrrk1,Ewsr1,Palld,Hmgb1,Hspa4l,Igav,Eno3,Paip1, 2810025M15Rik,3110003A17Rik,Trp53bp2,Patz1,Pbk,BC016423,Mastl,Ch25h,Uspp37,Cct8,Rfpl4,Cxadr,Hirip3,Al848100, Zfp281,Tpbg
mmu-miR-342-3p	54 (1239)	1,84E-08	Etaa1,Nck2,1110012J17Rik,Timeless,Prpf31,Trim24,Ranbp1,Rnmt,Depdc1b,Mum1,Ucp2,Plk1,Ppjh,Ccne1,Kl,Fubp1,Asp m,Tmem48,Nudt1,Agxt2l2,Pkn3,Lig1,Arl4c,Casp8,Sf3a1,Stoml2,Kars,Zfp7,Spry2,Rasa1,Hmga2,Igav,Rpa2,Nt5c3l,Pkp2,P smd14,Nab2,Socs6,Plekhh2,Patz1,Tbx3,Ttc3,Nudc,Sertad1,Ilf3,Rfc2,Mrpl50,Whsc2,Pcf11,Myct1,Egfl7,Mrpl18,Dnajc9,A A408296
mmu-miR-15a*	46 (1239)	2,04E-08	Fmr1,Nedd4l,2810046L04Rik,Prx,Tes,Paxip1,Wdr3,Bub3,Mup4,Egr2,Tgif1,BC055324,Lsm2,Klhdc2,Agxt2l2,Enpp1,Slc29 a1,Ncapd2,Pkn3,Ccnb2,Casc5,Ncapd3,Kif21a,Casp8,Vrk1,Stoml2,Zfp451,Dhx15,Fbl,E330009J07Rik,Cenpa,Hat1,Fgd3,Lri g1,Nsmce4a,Prcl1,Plscr1,Slc43a1,E2f7,Rrad,El12,Hirip3,Ddx39,Gmeb1,Hells,Eftud2
mmu-miR-155	52 (1239)	2,44E-08	Rbm26,Nup54,Prkar2b,4930422G04Rik,Gmnn,Elf2,Steap1,Pak1,1110020G09Rik,Cep192,Ccdc45,Pgm1,Mcm4,Snrpb,Etf 1,Cand1,Lin9,Trip13,Cbx1,Pkn3,Zfp217,Rsbn1,Gtf2h2,Ptpn2,Stag1,Uspp37,2810055F11Rik,Wee1,2610002M06Rik,Dek,An krd28,Fgf7,Ints7,Patz1,Ghr,2410016O06Rik,Foxp1,Mcm2,Bnc2,Cep55,Rfpl4,Ly75,Dcbl1d1,Bcl2l11,Me2,Ppa1,Rbl1,Rbm1 2,Cdc73,Terf1,Uhrf1,1810011O10Rik
mmu-miR-216a	55 (1239)	2,56E-08	2810046L04Rik,Dffb,El1,Trim24,Whsc1,Fhl2,Mybbp1a,Cenpq,Noc4l,Cenpj,Dnmt1,Ddx52,Parp1,Zc3h15,Mrps6,Schip1,Cc t7,D2Erd750e,Luc7l,Dbr1,Elf1,Gpd2,Smarce1,Larp7,Pde1a,Dusp5,Kif20a,Cttna1,Adss,Prpf38b,Ncapd3,Baz1a,Sgms1,C obll1,Nup1l,Hmgb2,Phf17,1110034A24Rik,Pprc1,Nmral1,Ppbb,Ptplad1,Wdr55,Rbmx2,Clspn,Dus3l,Ttc3,Prcl1,Syne2,Dty mk,Bcl2l11,Sf3a3,Ltbp1,Tpbg,Kif23
mmu-miR-124*	48 (1239)	2,75E-08	Gmnn,Gemin6,Sass6,Pank1,Kif4,Setdb2,Strbp,Msh2,Nrf1,Sltm,Lcorl,Brca1,Larp7,Bzw2,Smc5,Pcnt,Tslp,H2afy,Stag1,Ews r1,Tial1,Lin9,Nup15,Cbx1,Cdc7,Gins4,Neil3,Aifm1,Pkp2,Magoh,Rbm17,Fzd3,Dut,Cct3,Prmt5,Neto2,Wdr73,Prcl1,Plekha5,Rfpl 4,Nob1,Ddx39,Timp1,Gmeb1,C330027C09Rik,Myct1,Cdca7,Ppa1,Eftud2
mmu-miR-709	65 (1239)	2,87E-08	Thap2,Asph,Arhgap22,Zfp292,Cenpc1,Mcm5,Eef1g,Ucp2,Atad2,Raggef2,Noc4l,Riok2,Aspm,Nrf1,Nuf2,Sgol2,Nol10,Tub b5,Tuba1c,Luc7l,Larp7,Trim27,2610039C10Rik,Micall2,Chst1,Supt16h,Casc5,Rad51c,Pcnt,Gsg2,Tial1,Traip,2810474O19 Rik,Ncapd2,Bub1b,1110034A24Rik,Nfx1,F630043A04Rik,Nt5c3l,Ebna1bp2,Mtm1,Nab2,Ptplad1,Cenpn,Sip1,Ints7,Isg20I 2,Kif2c,Soat1,Patz1,Dus3l,Nucks1,Ilf3,Uspp37,Ddx20,Akap8,Pafah1b3,Alkbh1,Trub1,Cnn3,Tnfaip6,Cdca7,Nsl1,E130308A 19Rik,Kif23
mmu-miR-300*	43 (1239)	3,14E-08	Ahsa1,Impa2,Crim1,Cenpq,1110020G09Rik,Rpl7a,Dnmt1,Aspm,Mup4,Cdc5l,Impdh2,Ppid,Nfyb,Trim28,Lig1,Casp2,Pnpt 1,Prpf38a,Palld,Nfkbiz,E330009J07Rik,Igav,Wee1,Aifm1,Melk,Ctsh,Trit1,Tpx2,Cenpa,Ints5,Pvr13,Wdr73,Tnks2,Dx20,L mnb1,Dtymk,Cep170,Ppww1,4632434I11Rik,Pou2f1,Cdt1,Siva1,Ecd
mmu-miR-653	48 (1239)	3,37E-08	Nono,Erc6,Rbmxrt,Nol9,Glrx,Kif2a,Snx7,Zfp52,Sass6,2610101N10Rik,Cep192,Pgm1,6720463M24Rik,Ahctf1,Schip1,Kl hdc2,Msh3,Ssr4,Pla2g4a,Larp7,Uspp34,Ncapd2,Bzw2,Dusp6,Baz1a,Pnpt1,Sf1,Spry2,Igav,Ith2,Sumo2,Paip1,Rsf1,Pigf,Du t,Mphospho10,Topbp1,Pbk,Actr3,Rrad,Nav3,Lmnb1,C79407,Dcbl1d1,Lrrc8,Zfp281,Gtse1,Rrs1
mmu-miR-105	54 (1239)	3,38E-08	Nedd4l,Shmt1,Lrrc45,Cenpc1,Ankrd32,Dkc1,Ctsw,Cenpq,Mnd1,5730590G19Rik,Vrk3,Tox,Nol10,Ppil5,Taf5l,Rrm2,Tuba 1c,Klhdc2,Ash2l,Cep152,Zfp217,Idh2,Casp8,Sf3a1,Ncam1,Csnk1a1,Uspp37,Nfkbiz,Colec12,Cdca4,Neil3,Rpa2,Cep70,Pank4 ,Mtm1,Chd2,Cenpn,Cdca3,Igf2bp1,Dut,Tinf2,Hmgn1,Fbln1,Synj2,Spp1,Spz24,Rsrc2,Pcf11,Nup43,Ccdc18,4632434I11Ri k,Pou2f1,Fancb,Top1
mmu-miR-872*	40 (1239)	3,91E-08	Gemin4,1110012J17Rik,Diap3,Dhx9,Spag5,Rest,Tox,Sltm,Blm,Dbr1,Rpl30,Zmym1,Emg1,Pla2g4a,Smek1,Bzw2,Sdad1,Zc 3h8,Cul4b,Hbs1l,Hyal2,Ssb,Dhx15,Ncapd2,Bub1b,Npm1,Nfx1,Syt17,2610002M06Rik,Ube2t,4930427A07Rik,Topbp1,Se rtad1,Slc43a3,B3galnt1,Cd14,Mast4,1700025G04Rik,Incenp,E130308A19Rik
mmu-miR-193	52 (1239)	4,31E-08	Nck2,6430527G18Rik,Timm8a1,Tmem39b,Marcks1,Impa2,Whsc1,Nsun2,Lig1l,Dkc1,Kif2a,Nrf1,Vrk3,Socs3,Zw10,Pdap1 ,Acaa2,Mthfd1,D2Erd750e,Nup93,Tll1,Sgol1,Ccdc99,Cct2,2610039C10Rik,Trim28,Casc5,Zc3h8,Pcnt,Sbk1,Cbx3,Uspp3,1 110034A24Rik,Top2a,Tk1,Mcpt8,Exosc2,Clspn,Gemin8,Prkg2,Dus3l,Ilf3,Prcl1,Rif1,Mycn,Bnc2,Cnot6,Rrad,Stmn1,Abl2,H 2afx,Rbl1
mmu-miR-34b-5p	57 (1239)	4,42E-08	Pcm1,Mtmr4,Gmnn,Ktn1,Prpf40a,Snx7,Tnnt2,Ctsw,Ythdf2,Exosc8,Mad2l1,Msh6,Acaa2,Tuba1c,Zik1,Slc29a1,Cep152,B2 30120H23Rik,Bzw2,Ncapd3,Ptpn12,Snw1,Eno3,Nme4,Nt5c3l,Paip1,Pigf,Igf2bp1,Ppif,Gemin8,Apitd1,Ahcy,Actl6a,Nsmc e4a,Rbm14,Uspp37,Foxp1,Anp32b,Ssrp1,Slc43a3,Nav3,Lmnb1,El12,Fmnl3,Rfc2,Litaf,Dtymk,Arhgap19,Ppww1,Rpl13a,Tim p1,Cdca8,Zfp281,Hells,Ccdc18,Ezh2,2810408A11Rik
mmu-miR-294*	42 (1239)	4,58E-08	Ktn1,Prpf40a,2610101N10Rik,Cep192,Als2cr12,Parp1,Sltm,Cpsf4,Rnps1,Snrpb,Cenph,Msh3,2700029M09Rik,Rad51c,S mc5,Snrpa1,Gtf2h2,Pol2a,Acsl3,Nasp,Hyal2,Ptges3,Nfkbiz,Snrpd1,2810055F11Rik,Paip1,Mtm1,Hat1,Ptcd3,Axl,Limd2,D us3l,Zbtb12,Cdc40,Foxp1,Anp32b,Ddx10,6330503K22Rik,Thoc2,Rad51,Zfp281,Myct1

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-496	45(1239)	4,83E-08	Amd1,Vps36,Hmnr,Dnmt1,Ddx52,Nrf1,E2f8,Tiam2,Ahctf1,Msh6,Dbr1,Klhdc2,Zfp3612,Pla2g4a,Pkn3,Ctnna1,Psmc3ip,Cep152,Casc5,Ncapd3,Shcbp1,Cul4b,Cobll1,Spred1,Wdr75,Usp3,Gins4,2810055F11Rik,Neil3,Snrpg,Psm14,Hat1,Clspn,Patz1,Esco2,Synj2,Cdkn2c,Suv39h2,Impa1,Anp32b,Mboat2,Nav3,E330016A19Rik,Etv4,Gtse1
mmu-miR-421	50(1239)	5,14E-08	Ahsa1,Asph,Gemin4,Dnaja2,Upf3b,Gmnn,Fhl2,Hmnr,Cenpq,Ccne1,Cep192,Tox,Wsb1,Sitm,Tubb5,Mthfd1,Rnps1,Mcm3,Cct5,Ung,Smek1,Ncapg2,Matr3,Dtl,Lig1,Casp2,Spc25,Cul4b,Ptpn2,Ppp1cc,Depdc1a,Wdr75,Nfkbiz,Snrpd1,Arid4b,Fzd3,Wdr55,Cenpf,Mphosph10,Synj2,Rbm14,Plekha5,Ddx10,Bhlhb9,Dcbl1,Tacc3,463243411Rik,Nxt1,Gtse1,Hnrpd1
mmu-miR-196a	57(1239)	5,46E-08	Etaa1,Rbm26,Rcc2,Elf2,Zfp606,Ccne1,Noc4l,Rdx,Rbbp7,Aspm,Myef2,Parp1,Socs3,Ttl4,Tmem48,Casp3,Schip1,Ebf2,Myc,Prsc1,Egfr,Eme1,Dusp5,Casc5,Scrib,Ncapd3,Rpl12,Nxf1,Lyar,Espl1,Ier2,Snw1,Ncapd2,Prpf3,Nme4,Nt5c3,Paip1,Trp53bp2,Zfp619,Kif22,Actl6a,Wdr73,Tnks2,Cdkn2c,Prcl1,Dapp1,Slc43a3,D16Erd472e,Tacc3,Rasal2,Ptger4,Timp1,Ezh2,Mrpl18,Gins3,Cirh1a,Pogz
mmu-miR-466e-5p	63(1239)	6,10E-08	Prim2,El1,Birc5,Ankrd32,Dhx9,Steap1,Mum1,Ctsw,Phactr4,Elavl1,Ddx27,Rbbp7,Aspm,E2f8,Ank3,Kif18a,Mtf2,Lcor1,Nfatc2ip,Cep57,Lin9,Zfp184,Rpl30,Pik3c2a,Pla2g4a,Usp34,1700029F09Rik,Gjc1,Kntc1,Ube2c,Kif21a,Gtf2h2,Sbk1,Nupl1,Nfx1,Neil3,Sumo2,Snrpg,Aifm1,Mtm1,Pvrl3,Casp6,Kcnk2,Mlf1ip,Tnks2,Ch25h,Usp37,Prcl1,Bnc2,Cep55,Plscr1,Slc43a1,Rrad,Mcm6,Specc1,Cenpk,Tex10,Cdca8,Gmeb1,Tmpo,Ltbp1,Eps8,Tdrkh
mmu-miR-136*	45(1239)	6,26E-08	Nck2,Tnfai8,Lrrc45,Rbm26,Cbx5,Fhl2,Depdc1b,F2rl1,Prpf19,Ythdf2,Mad2l1,Zc3h15,Ttl4,Slc11a2,Zw10,Ddx18,Sox11,Nudt1,Cdca2,Cbx1,Thsd7a,Gbbp1,4930547N16Rik,Casc5,Crfl1,Kif21a,Cul4b,Hbs1,Troap,Pttg1,Nfkbiz,Cachd1,Chd2,Mago h,Rsf1,Fgf7,Cct3,Tinf2,B3galnt1,Mre11a,Timp1,Khdrbs1,463243411Rik,Rbpj,Hnrpd1
mmu-miR-682	53(1239)	6,41E-08	Ahsa1,F2rl1,Kif2a,Ppih,Elp2,Exosc8,Bub3,Cpsf4,Nup93,Hdac2,Armc8,Etf1,Psp1,Nudt1,Lin9,Ctbp2,Cd2ap,Emg1,Pde1a,Trip13,2610039C10Rik,Pkn3,Dhodh,Scrib,E130303B06Rik,Recql4,Ccng2,Rad54l,Tube1,Mcm10,Asf1b,Ncam1,Usp3,Rfc5,Paip1,Pigf,Cenpn,Exosc2,Sertad1,Cacna1c,Plekha5,Ssrp1,Fancd2,Nob1,Trub1,Map4k5,Ddx39,Rad51,463243411Rik,Ppa1,Tpbg,Kif23,Smc4
mmu-miR-222	50(1239)	6,41E-08	Sap30,Pcm1,Dffb,Impa2,Dhx9,Upf3b,Hspa8,Tcf19,Zfp606,Las1,Noc4l,Dnmt1,Ddx52,Tmem176b,Nrf1,Tox,Sgol2,Nfyb,Pgk1,Asxl3,BC027072,Ccdc99,Idh2,Recql4,Gtf2h2,Rad54l,Usp3,Gins4,Npm1,Cep70,Qars,Cdca3,Jub,Pbk,Nsmc4a,Pkmyt1,Stmn1,Abl2,Fancd2,Dtymk,Figl1,Cenpk,Th11,2610027L16Rik,Lifr,Cdca8,Ccd18,Tpbg,Pogz
mmu-miR-547	50(1239)	6,41E-08	Pcm1,Rbm26,Prpf40a,Depdc1b,Lrig3,Tes,Ythdf2,Pnn,Ube2e3,Nuf2,Mtf2,Ppid,Zic1,Myc,Lin9,Emg1,Zmynd19,Pde1a,Ncapd2,Pdk3,Zfp217,Depdc1a,Prpf38a,Bcl7a,Nfkbiz,Rbm25,2810055F11Rik,Prpf3,Unc13c,Nme4,Runx1,Pank4,2810025M15Rik,Mpp6,Axl,Ube2t,Cenpn,Anln,Dus3l,Kcnk2,Gnl3,Sertad1,Cdc40,Cct8,6330503K22Rik,Bhlhb9,Trub1,Wdhd1,Wdr36,Eif2s1
mmu-miR-1	49(1239)	6,43E-08	Nedd4l,Prim2,Cenpc1,Ktn1,Kif2a,Fubp1,Kif11,Cep192,Elp2,Dnmt1,Pgm1,Aspm,Cdc5l,Myef2,Ctcf,Dis3,Hspd1,Zw10,Schip1,Exo1,Pla2g4a,Pde1a,Slc25a5,Adss,Hbs1,Casp8,Wipf1,Dhx15,Nupl1,Rasa1,Ckap2,Snrpd1,Dbf4,Sumo2,Gli3,Pkp2,Pvrl3,3110003A17Rik,Jub,Cenpe,Ss18,Tpm3,Actl6a,Plscr1,Cnn3,Pcf11,Zfp281,Fancb,Cebpz
mmu-miR-511	47(1239)	6,49E-08	Prpf31,Rbm26,Clns1a,Ets1,Kif2a,Rapgef2,Noc4l,Aspm,Egr3,E2f8,Fen1,Cdca2,Exo1,Trip13,Eme1,2610039C10Rik,Dusp5,Abcb1b,Casc5,Peg12,Spc25,Recql4,Rpl12,Rad54l,Traip,Nr2f2,2810055F11Rik,2610301G19Rik,Tpx2,Pole,Ptplad1,Prmt5,Topbp1,Synj2,Anp32b,Akap8,Cd14,Ppww1,Trub1,Mast4,Pol2a,Pepp1,Gart,Tmpo,Rbpj,Kif23,Hnrpd1
mmu-miR-193b	53(1239)	7,19E-08	Timm8a1,Arhgap22,Zfp292,Marcks1,Whsc1,Nsun2,Lgl1,Mum1,Nrf1,Egr3,Zw10,Pdap1,Acad2,Mthfd1,Rnps1,D2Erd750e,Nup93,Sgol1,Ccdc99,Cct2,2610039C10Rik,Trim28,Casc5,Zc3h8,Parp12,Sbk1,Ppp1cc,Usp3,Top2a,Tk1,Mcpt8,Rsf1,Ptc3,Exosc2,Clspn,Gemin8,Il1rap,Prkg2,Dus3l,Bbs12,2410016O06Rik,Ilf3,Prcl1,Rif1,Mycn,Bnc2,Cnot6,Rrad,Stmn1,Abl2,H2afx,Fancc,Rbpj
mmu-miR-693-5p	57(1239)	7,21E-08	Notch1,Gata2,Ranbp1,Tcf19,Paxip1,2610101N10Rik,Bcl10,Msh2,Fkbp5,Sitm,Pim3,BC027072,Exo1,Ccdc99,Eef1e1,Ncapd2,Ccnf,Frat2,Scrib,Kif21a,Prpf38a,Nasp,Wipf1,Lyar,Tube1,Fbl,Traip,Usp6nl,Spry2,Kpna2,Bub1b,Rfc5,Melk,Ctsh,Nup88,Slc38a1,Casp6,Apitd1,Nucks1,Zrsr2,Ahcy,G3bp1,Tpp2,Pkmyt1,5730559C18Rik,Slc43a1,Gprc5c,Rcl1,Tacc3,Ptbp2,Th11,Ccdc18,Gtse1,2010204K13Rik,Hnrpd1,1810011O10Rik,Dlx1
mmu-miR-467a	60(1239)	7,61E-08	Diap3,Zfp292,Mtmr4,Mrps22,Strbp,1110020G09Rik,Ddx46,Ddx52,Egr3,D2Wsu81e,Dis3,Ahctf1,Nt5dc2,Tubb5,Suv39h1,Mcm3,Rrm2,Rad21,Armc8,Cdc25a,Pkn3,Thsd7a,Cep152,Lig1,Rad51c,Rpl12,Sf3a1,Nup107,Asf1b,Usp3,Uchl5,Pif1,Hmgb2,Ilgav,Nr2f2,Snrpd1,Rfc5,Rad18,Hat1,Mpp6,Cenpn,3110003A17Rik,Cenpf,Fbln1,Actl6a,Cdca4,Suv39h2,Ddx20,Cep55,Syne2,E330016A19Rik,Mrpl50,Stil,Mast4,Bcl2l11,Twistnb,Pcf11,Gpsm2,Dnajc9,AA408296
mmu-miR-466a-5p	64(1239)	8,33E-08	Nck2,Prim2,El1,Ankrd32,Dhx9,Steap1,Mum1,Ctsw,Phactr4,Elavl1,Ddx27,Aspm,E2f8,Kif18a,Msh6,Mtf2,Lcor1,Nfatc2ip,Cep57,Rpl30,Pik3c2a,Pla2g4a,Usp34,1700029F09Rik,Gjc1,Runx2,Rad51c,Kntc1,Ube2c,Kif21a,Gtf2h2,Sbk1,Nusap1,Neil3,Dbf4,Sumo2,Snrpg,Paip1,Mlx,Sip1,Wdr55,Casp6,Kcnk2,Mlf1ip,Topbp1,Ch25h,Usp37,Prcl1,Bnc2,Cep55,Plscr1,Slc43a1,Rrad,Mcm6,Specc1,Cenpk,Tex10,Cdca8,Nol11,Gmeb1,Tmpo,Ltbp1,Eps8,Tdrkh
mmu-miR-449a	54(1239)	8,81E-08	Nedd4l,Tmem39b,Mcm5,Gmnn,Prpf40a,Tcf19,Taf5,Tnnt2,Ctsw,Sass6,Ccne2,Msh6,Acad2,Mcm3,Nup93,Asxl3,Sgol1,Slc29a1,2610039C10Rik,Ankrd10,Bzw2,Iqgap3,Ncapd3,Tslp,Vrk1,Fanca,Snw1,Eno3,Nme4,Nt5c3l,2810025M15Rik,Pvrl3,Ppif,Kif2c,Patz1,Actl6a,Nsmc4a,Cdkn2c,Usp37,Foxp1,Mycn,Anp32b,Slc43a3,Rfc2,E330016A19Rik,Ppww1,Rpl13a,Erh,Zfp281,Hells,Ift74,Slc4a7,Vash2,Cirh1a
mmu-miR-302c	54(1239)	9,18E-08	Thap2,1110012J17Rik,Prim2,Lgl1,Bclaf1,2810008M24Rik,Atad2,Ddx46,Dnmt1,Rdx,Riok2,Msh2,Egr3,Ttl4,Slc11a2,Tubb5,Larp7,Abcb1b,Cep152,E130303B06Rik,Idh2,Hbs1,Gtf2h2,Lrrk1,Rpl12,Asf1b,Pttg1,Nfkbiz,Cdca4,Hspa4l,Rpa2,Hn1,Nmral1,Arid4b,Aifm1,Kin,Pkp2,Nup88,Wdr55,Dut,Cct3,Bbs12,Synj2,Foxp1,Cct8,Rpl4,PDSS1,Tnfai6,Pepp1,463243411Rik,Ppa1,Slc4a7,Kif23,1810011O10Rik
mmu-miR-463	50(1239)	9,22E-08	Cdca7l,Diap3,Clns1a,Mcm5,Dhx9,Ccne1,Noc4l,Ddx46,Dnmt1,Aspm,Myef2,Mrps6,Blm,Impdh2,Lcor1,Mthfd1,Pgk1,Fbxo5,Lin9,Hmgb3,Pde1a,Bzw2,Scrib,Pcnt,Polr2b,Gtf2h2,Prpf4b,Dhx15,Wdr75,Bub1b,Top2a,Unc5c,Cenpa,Prps1,Tmem49,Sox4,Bbs12,Actl6a,Cct8,Tacc3,Cenpk,Trub1,Eif4h,Bcl2l11,Rad51,Hells,Tmpo,Nxt1,Kif23,Cirh1a
mmu-miR-26a	53(1239)	9,29E-08	Diap3,Ranbp1,Rnmt,Depdc1b,Hmnr,Ccne1,Mnd1,Msh2,Rest,Tox,Kif18a,Sitm,Impdh2,Nfrkb,Cct7,Pim3,Hmga1,2610039C10Rik,Cbx1,Pkn3,Cep152,Shcbp1,Cul4b,Hmgb1,Chek1,Usp3,Kpna2,Dimt1,Neil3,Cep70,Psm14,Net1,Ppbb,Ube2t,Cdca3,Synj2,G3bp1,Usp37,Ncapg,Cct8,Tnrc6a,Stmn1,Ppww1,Vbp1,Phlda1,Hells,Ivns1abp,Pou2f1,Ezh2,Tmpo,Terf1,Cks2,Hnrpd1
mmu-miR-719	46(1239)	9,32E-08	Nedd4l,Ncapd3,Rbm26,H2afv,Nol9,Kif2a,Dsn1,Noc4l,Msh2,Zw10,Mrps6,Snrpb,Lsm2,Pgk1,Fbxo5,Eef1e1,Pla2g4a,Pde1a,Rasa3,Scrib,Ncapd3,Zc3h8,Hbs1,Rmi1,Acsl3,Stoml2,Tube1,Nupl1,Ckap2l,Pttg1,Sema4b,1110034A24Rik,Nt5c3l,Cachd1,Mpp6,Patz1,Sdpr,Rfc2,Arhgap19,Vbp1,Cdca8,Me2,Gart,Eftud2,Tdrkh,Pogz
mmu-miR-546	51(1239)	9,48E-08	Ncapd3,Arhgap22,Gata2,Pop1,Prx,Fhl2,Cks1b,Mum1,Wdr43,Mybbp1a,Has2,Smpld3b,Paxip1,Nap1l4,Cep192,Rpl7a,Vil1,Hspe1,Ank3,Kif18a,Hspd1,2510012J08Rik,Slc11a2,Msh6,Impdh2,Sfpq,Cenph,PCNA,Slc19a1,Zfp3612,Eme1,Dhodh,Casc5,E130303B06Rik,Recql4,Zfp7,Slc9a3r1,Psm14,Chd2,Slc38a1,Tbx3,Ssrp1,Slc43a3,Etv5,Ccdc18,Pou2f1,Mrpl18,Smyd5,Ed,Kif23,Pogz

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-463*	38(1239)	9,58E-08	Gemin4,Rcc2,Skp2,Zfp606,1110020G09Rik,Srpk1,Cep192,Aurka,Mup4,Zc3h15,Impdh2,Acaa2,Nup93,Aebp2,Sgol1,Zfp184,Egfr,Ankrd10,Ppp1cc,Ssb,Hmgb1,Chek1,Tardbp,Rbm25,Nfx1,Snrpg,Cep70,Prps1,Gas2l3,Tpp2,Nav3,Lrrc8c,Cenpk,Atrx,Thoc2,Cdca7,Eif2s1,Smc4
mmu-miR-154*	43(1239)	1,30E-07	2810046L04Rik,Sirt1,Prkar2b,Trim24,Errfi1,Mcm5,Upf3b,Prpf40a,Zfp334,Gemin6,Elp2,Aspm,Dis3,2510012J08Rik,Fxn,Aftph,BC027072,Zmym1,Uspp34,Chst1,Pcnt,Cul4b,Pttg1,Prpf3,Slc9a3r1,Slc38a1,Socs6,Gnl3,Mlf1p,2410016O06Rik,Nsmce4a,Foxp1,Nup155,Anp32b,Nav3,Rfpl4,Lrrc8c,Whsc2,Zfp281,C330027C09Rik,Cdh10,Mrpl18,Kif23
mmu-miR-466b-5p	62(1239)	1,51E-07	Prim2,Ell,Birc5,Ankrd32,Dhx9,Steap1,Mum1,Ctsw,Phactr4,Elavl1,Ddx27,Rbbp7,Aspm,E2f8,Kif18a,Yme11,Mtf2,Lcorl,Nf atc2ip,Cep57,Zfp184,Rpl30,Pik3c2a,Cd2ap,Uspp34,Brd8,Gjc1,Rad51c,Kntc1,Ube2c,Kif21a,Gtf2h2,Sbk1,Nusap1,Neil3,Syt17,Sumo2,Snrpg,Aifm1,Pvri3,Casp6,Kcnk2,Mlf1p,Tnks2,Ch25h,Uspp37,Prc1,Bnc2,Cep55,Plscr1,Slc43a1,Rrad,Mcm6,Specc1,Col7a1,Cenpk,Text10,Cdca8,Gmeb1,Tmpo,Ltbp1,Eps8
mmu-miR-192	49(1239)	1,54E-07	Cdca7l,Dhx9,Ets1,Sass6,Wdr5,Ruvbl1,Als2cr12,Ank3,Ctcf,Tox,Slc11a2,Cdk2,Luc7l,Tll1,Rrm1,Ccde99,Zfp532,Casc5,Crlf1,Iqgap3,Rmi1,Depdc1a,Larp4,Tardbp,D10Wsu102e,Ckap2,1110034A24Rik,Top2a,Mmd,Snrpg,Egr1,Isg2012,Tipin,Chtf18,Gas2l3,Rif1,Cdc6,Pum2,Fancd2,E330016A19Rik,Ppww1,H2afx,Hells,Dyrk3,Nsl1,2010204K13Rik,Rbpj,Slc4a7,Pogz
mmu-miR-652	51(1239)	1,72E-07	Tgif2,Ktn1,Nol9,Lgl1,Elf2,Fosl1,Ctsw,Tes,Elavl1,Wdr3,Cdc27,Msh2,Vil1,Ilf2,Nuf2,Mrps6,Schip1,Tfdp1,Slc19a1,Zmynd19,Trim28,Mplz1,Ihd2,Nxf1,Zfp451,Kars,Spry2,Wdr75,Ier2,Ncaph2,Gins4,Ilgav,Wee1,Hn1,Slc38a1,Exosc2,Patz1,Ttc3,Synj2,2410016O06Rik,Foxp1,Tnrc6a,Mcm2,Ssrp1,Thoc2,Bcl2l11,Gart,Egfl7,E130308A19Rik,Uhrf1,Eftud2
mmu-miR-466f-5p	66(1239)	1,86E-07	Cdca7l,Arhgap22,Prim2,Ankrd32,Depdc1b,Mum1,Wdr43,Zfp52,Ctsw,Hmmr,Phactr4,Lrig3,Aurkb,Noc4l,Cenpj,Aspm,E2f8,Gspt1,Mtf2,Acaa2,Lcorl,Ect2,Fnbp1,Armc8,Cenph,Zic1,Pik3c2a,Pla2g4a,Matr3,Gjc1,Chst1,Uspp14,Eif4a3,Prpf38b,Sbn o1,Lrrk1,Stoml2,Palld,Zfp54,Nfx1,Snrpd1,Syt17,Snrpg,Arid4b,Ctsh,Tpx2,Ube2t,Cenpn,Wdr55,Casp6,Mlf1p,Actl6a,Bnc2,Plscr1,Fmnl3,Mcm6,Specc1,Dcblid1,Pdss1,Cnn3,1700025G04Rik,Cdca8,Ltbp1,Cdh10,Tpbg,Zcchc1
mmu-miR-23b	52(1239)	1,92E-07	Marcksl1,Skp2,Ktn1,Prpf40a,Elf2,Mum1,Dctd,Ddx46,Ddx52,6720463M24Rik,Vrk3,Zw10,Cpsf4,Tgif1,Rnps1,BC055324,Snrpb,Fbxo5,Cenph,Nudt1,Dusp5,Gppp1,H2-K1,Crebzf,Lrrk1,Rpl12,Dhx15,Espl1,Kpna2,E330009J07Rik,Hmgb2,Pank4,Psmd14,Hat1,Pigf,Ube2t,Tmem49,Ppif,3110003A17Rik,Zbtb12,Zrsr2,Tpm3,Mboat2,Dcblid1,Ppww1,Snrpb2,Gmps,H2afx,Zfp281,Tmpo,Gtse1,Mrpl18
mmu-miR-9*	44(1239)	2,01E-07	Timeless,Pcm1,Impa2,Birc5,Ktn1,Hspa8,Fhl2,Pak1,Mnd1,Dnmt1,Tpd52,Xpo7,Tiam2,Ttl4,Tmem48,Mcm3,Hdac2,Uspp1,Cand1,Rrm1,Pik3c2a,Emg1,Micall2,Baz1a,Rps9,Depdc1a,Slbp,Nupl1,Rasa1,Rbm25,Gtpbp10,Cdca4,Top2a,Snrpd1,Pigf,Rfc3,Pbk,Actl6a,Nsmce4a,Fancd2,Ddx39,Apex1,Wdr36,Smc4
mmu-miR-466h	65(1239)	2,11E-07	Prim2,Dhx9,Steap1,Ctsw,Fubp1,Aurkb,Smc6,Xkr5,E2f8,Ank3,Msh6,Acaa2,Sin3a,BC055324,Snrpb,Nup93,Armc8,Cenph,Cdca2,Lin9,Pik3c2a,1700029F09Rik,Kif20a,Brd8,Gjc1,Dtl,Chst1,Npn2,Iqgap3,Kif21a,Lrrk1,Sf3a1,Zfp451,Nupl1,Uchl5,Syt17,Ptk7,Sumo2,Aifm1,Zwilch,Mpp6,Ankrd28,Cenpn,Prr11,Casp8ap2,Wdr55,3110003A17Rik,Uspp37,Cct8,Bnc2,Slc43a1,Rrad,Abl2,Lrrc8c,Cep170,Trub1,Rpl13a,2610027L16Rik,Pdss1,Text10,Cdca8,Twistnb,Ltbp1,Tpbg,Kif23
mmu-miR-367	54(1239)	2,13E-07	Cdca7l,Rbm26,Tnpo1,Erc6l,Fancm,Dhx9,Fhl2,Has2,Smpdl3b,Ripk2,Pspc1,Mup4,Marcks,Nrf1,Zc3h15,Ahctf1,Ccne2,Mtf2,BC055324,Ppil3,Eef1e1,Larp7,B230120H23Rik,Cul4b,Rsb1,Imp3,Mtap,Rpl12,Acsl3,Prpf38a,Lyar,Zfp54,Myo1b,Zcchc2,Cachd1,Ints7,3110003A17Rik,BC016423,Ch25h,Foxp1,Eif5,Prc1,Fancd2,Dcblid1,Ppww1,Rpl13a,Liffr,Pcf11,Zfp281,Ppa1,Cdh10,Dock5,Mrpl18,Ecd
mmu-miR-141	52(1239)	2,16E-07	6430527G18Rik,Timeless,Birc5,Abi1,Rnmt,Prx,Glrx,Fus,Has2,2610101N10Rik,Las11,Setdb2,Ythdf2,Ddx46,Tcerg1,Aspm,Mup4,Ruvbl1,Fkbp5,Ythcd1,Ttl4,Ccne2,Mtf2,Api5,Mthfd1,Sfpq,Luc7l,Klhdc2,Ctbp2,Cbx1,Ctnna1,Psmc3ip,U2af1,Uspp14,Dusp6,Baz1a,Ihd2,Ssb,Slco4a1,Teard,Arid4b,Dus3l,Tnks2,Ilf3,Eif5,Mcm6,Specc1,D16Erdt472e,Arhgap19,Cep170,Mast4,Psmd5
mmu-miR-707	48(1239)	2,33E-07	Ncaph,Asph,Lgl1,Ppih,Lrig3,2610101N10Rik,Nipsnap1,Dnmt1,Tcerg1,6720463M24Rik,Vrk3,Mrps6,Dhx36,Tmem173,D2Erdt750e,Mcm3,Uspp1,Slc19a1,Setx,Larp7,Uspp34,Cbx1,Adss,Dhodh,Casc5,Shcbp1,Recq4,Troap,Espl1,Rbm17,Axl,Fzd3,3110003A17Rik,Cenpf,Cnm4,Rps13,Apitd1,Cct8,Fancd2,Lrrc8c,Mast4,Ddx39,Bcl2l11,Utp111,463243411Rik,Cebpz,Kif23,Vash2
mmu-miR-690	47(1239)	2,33E-07	Pop1,Zfp292,Prkar2b,Skp2,Trim59,Ihd3a,Kif4,Fubp1,Kif11,1110020G09Rik,Srpk1,Noc4l,Aurka,Ube2e3,Tiam2,Mrps6,Ac aa2,Mthfd1,Hdac2,Cand1,Ncapd2,Cbx1,Adss,Abcb1b,Scrib,Troap,Depdc1a,E330009J07Rik,Wee1,Pigf,Dut,Dus3l,Rfc3,Nsmce4a,Tnrc6a,5730559C18Rik,Bnc2,Cnot6,Syne2,6330503K22Rik,Nob1,Mre11a,Thoc2,Cdca8,Apex1,Gtse1,Eftud2
mmu-miR-674*	40(1239)	2,40E-07	Impa2,Birc5,Tcf19,Ets1,Tnnt2,Prpf19,Rangap1,1110020G09Rik,Srpk1,Fkbp5,Mcm3,Pgk1,Armc8,Ncapg2,Dhodh,Kif21a,Fbl,Zfp54,Csnk1a1,Teard,Tk1,Nt5c3l,Ctsh,Psmd14,Net1,Zwilch,Cachd1,Ckap4,Sfxn1,Wdr55,Wdr73,Dapp1,Anp32b,Nav3,Ell2,Rfc2,Ppa1,Cebpz,Dmap1,Pogz
mmu-miR-103	52(1239)	2,55E-07	Chd1,Prim2,Dnaja2,Rnmt,Fhl2,Taf5,Wdr43,Acly,Ccne1,Sass6,Mapk8,Cep192,Ddx46,Aurka,Parp1,Slc11a2,Mrps6,Nfrkb,Nfyb,Cct5,Armc8,Exo1,Ctbp2,Cep152,Shcbp1,Cul4b,Ssb,Nupl1,Pttg1,Ncaph2,Uchl5,Nmra1,Axl,Wdr55,Clsn,Pat1,Mc m7,Uspp37,Foxp1,Eif5,Tpp2,Slc43a1,Pafah1b3,Rfpl4,Vbp1,Bcl2l11,463243411Rik,Fancm,Rbm12,Cdc73,Smyd5,Gins3
mmu-miR-183	53(1239)	2,68E-07	Tgif2,Ranbp1,Rbmxrt,Skp2,Gmnn,Fhl2,Ets1,Cks1b,Elf2,Kif2a,Wdr43,Nme1,Cpsf6,Emb,Cdc27,Cdc51,Rnf138,Impdh2,Dhx36,Sin3a,Asp2l1,Enpp1,Egfr,Zmynd19,Chuk,Ccnb1,Smc5,Ihd2,Nasp,Zfp451,Spry2,Slco4a1,Wdr75,Kpna2,Rpa2,Hn1,Trp53bp2,Exosc2,Kcnk2,Wdr73,Ilf3,Ch25h,Foxp1,Strap,Ssrp1,Slc43a3,Pdss1,E130308A19Rik,Tmpo,Smyd5,Smarcc1,Kif23,Hnr pdl
mmu-miR-330*	45(1239)	2,79E-07	Cdca7l,Rcc2,Cenpc1,Ankrd32,Cks1b,Smpdl3b,Fubp1,Dnmt1,Ruvbl1,Als2cr12,Parp1,Hspd1,Tmem48,Tubb5,Apex2,Mcm3,Luc7l,Msh3,Scarb1,Sh3kbp1,Hmga1,2610039C10Rik,Runx2,B230120H23Rik,2700029M09Rik,Frat2,Ihd2,Bub1b,Kin,Tip x2,Fzd3,Mcm7,Pbk,Actl6a,Cdc40,Ssrp1,Cd14,Sf3a3,Apex1,463243411Rik,Ezh2,Cenpi,Gtse1,Kif23,Eps8
mmu-miR-675-3p	45(1239)	2,79E-07	Etaa1,Nono,Nedd4l,Lrrc45,Asph,Cenpc1,Prx,Dhx9,D19Bwg1357e,Glrx,Mum1,Ctsw,2610101N10Rik,U90926,Aurkb,Ythd f2,Cep192,Msh2,Myef2,Cep68,Gspt1,Msh6,Impdh2,Apex2,D2Erdt750e,Cep57,Stip1,Hn1,Pcnt,Gtf2h2,Cdc7,Rpa2,Unc13c,Aifm1,Cachd1,Pvri3,Smc2,Topbp1,Cdc40,Prc1,Bhlhb9,1700025G04Rik,Dyrk3,Rbm12,Hnrpd1
mmu-miR-9	51(1239)	2,82E-07	Lrrc45,Rcc2,Prim2,Ktn1,Depdc1b,Snx7,Smpdl3b,Lrig3,Cep192,6720463M24Rik,Ahctf1,Yme11,Wsb1,Lrp8,Prim1,Msh3,Rrm1,Ctbp2,Zmynd19,Gins1,Pdk3,Ctnna1,Dtl,Abcb1b,B230120H23Rik,Bzw2,Scrib,Kif21a,Tslp,Cul4b,Nxf1,Rad54l,Csnk1a1,Hspa4l,Neil3,Prpf3,Unc13c,Nt5c3l,Melk,Pkp2,Psmd14,Cdca3,Exosc2,Socs6,Smarca5,Cdc40,Gas2l3,Pdss1,Whsc2,463243411Rik,Mrpl18
mmu-miR-22	53(1239)	2,88E-07	Pcm1,Rcc2,Dffb,Ell,Caprin1,Whsc1,Upf3b,Ktn1,Eef1g,Prpf19,Strbp,Pdia6,Ptpr,Vrk3,Sgol2,Lrp8,Tomm70a,Pdap1,Sin3a,Nfyb,Klhdc2,Zfp184,Emg1,Gppp1,Rbbp4,X99384,Sgms1,Fanca,Prpf38a,Slbp,F630043A04Rik,Arpc5,Rfc5,Net1,Mat2a,Ap itd1,Zrsr2,Cdc40,Impa1,Prc1,Lmn2b,Pkmyt1,Umps,Anp32b,Bnc2,Syne2,Gprc5c,Th11,2610027L16Rik,Ptger4,Cdca7,Uhrf1,Eftud2
mmu-miR-384-3p	44(1239)	3,03E-07	Phf6,Prim2,D19Bwg1357e,Cenpq,Sass6,Emb,Med4,Ythdf2,Ube2e3,6720463M24Rik,Ets2,2510012J08Rik,Msh6,Mtf2,Ta f5l,Sfpq,Uspp10,Zfp184,Zmym1,Cbx1,Mbtps2,Uspp14,Suz12,Valg12,Sbno1,Prpf38a,Zfp451,Rad54l,Mcm10,Phf17,Unc5c,Arid4b,Pank4,Rsf1,Tmem49,Zfp619,Ncapg,Cct8,Cep170,Ptbp2,H2afx,Ahcy1,Kif23,Pogz

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-743b-5p	52(1239)	3,23E-07	Snx5,Pcm1,Ankrd32,Gmnn,Cks1b,Plk1,Hmmr,Smpd13b,Prpf19,Setdb2,Cep192,Pgm1,Tpd52,Pom121,Mad2l1,Vrk3,Wsb1,Zw10,Nfatc2ip,Armc8,Exo1,Ccdc99,Cct2,Pla2g4a,Slc25a5,Dtl,Pcnt,Shc3p1,Tslp,Cnna2,Gins4,Mmd,Snrgp,Mcpt8,Melk,Pkp2,Rbm17,Prkg2,Strap,Tnrc6a,Bnc2,Th11,Psmd5,Pol2,Nol11,Gmeb1,Smu1,H2afx,Eftud2,Kif23,Eif2s1,Pogz
mmu-miR-883a-5p	54(1239)	4,38E-07	Timeless,Fhl2,Kif2a,Ogfrl1,Cenpq,Dctd,Prpf19,U90926,Ddx27,Pgm1,E2f8,Vrk3,Ttl4,Tmem48,Impdh2,Cct5,Dbr1,Gpd2,Egfr,Snrpa1,Pcnt,Cul4b,Vrk1,Fanca,Kars,Ptges3,Cdc7,Bub1b,Tea2,Tk1,Ith2,Arpc5,Nab2,Cachd1,Isg2012,Ttc3,Apitd1,Tpm3,Tnks2,Rbm14,Dapp1,Plekha5,Spp1,Sp24,El12,Fmnl3,Dtymk,Mre11a,Cnn3,Lifr,Phlda1,Ivns1abp,Nsl1,Wdr36
mmu-miR-139-3p	51(1239)	4,71E-07	Fmr1,Arhgap22,Rcc2,Mcm5,Whsc1,Skp2,Eef1g,Spred2,Mum1,Ctsw,Ppih,Dctd,Rangap1,Aurka,Sgol2,Nt5dc2,2510012108Rik,Mrps6,Nup93,Cct5,Cenph,Rrm1,Ppil1,Dusp4,Slc19a1,2610039C10Rik,Abcb1b,Thsd7a,Casp2,Baz1a,H2-K1,Crebzf,Nxf1,Ssb,Dhx15,Myo1b,Gli3,Tpx2,Zwicz,Slc38a1,BC016423,Wdr73,Pol3,Psmd5,Etv4,Cdca8,Hells,Egfl7,Eftud2,2810408A11Rik,Ecd
mmu-miR-154	44(1239)	4,72E-07	Clns1a,Dhx9,D19Bwg1357e,Ccbe1,Nol9,Elk3,Ppih,Aurkb,Ythdf2,Aurka,D2Wsu81e,Msh6,Mrps6,Por,Tmem173,Nfrkb,Klhd2c1,Myc,Lin9,Pcna,Stip1,Pde1a,Matr3,Pkn3,Casc5,Casp8,Crebzf,Prpf38a,Kctd12b,Snw1,Rasa1,Cdc7,Cdca4,Snrgp,Rfc5,Nme4,Nup88,Tnks2,Nolc1,Rfp14,Dtymk,Thoc2,Tpbp
mmu-miR-146b	50(1239)	4,85E-07	Gemin4,Erc61,2810008M24Rik,Ripk2,Nap114,Strbp,Cep192,Parp1,Ahctf1,Schip1,Blm,Cdk2,Cct7,Pscl1,Zmym1,Emg1,2610039C10Rik,Adss,Cep152,Rps9,Satb2,Imp3,H2-K1,Prpf38a,Zfp451,Dhx15,Slbp,Slco4a1,Card10,Usp3,Npm1,Slc9a3r1,Pkp2,Cachd1,Axl,Cdca3,Kif2c,Kif22,Mastl,Actr3,DDx10,Pum2,Nob1,Dtymk,Rsrc2,Whsc2,Cdh10,Top1,Kif23,Tdrkh
mmu-miR-449c	52(1239)	4,90E-07	Chd1,Nedd4l,Tmem39b,Marcks1l,Gmnn,Prpf40a,Tcf19,Wdr43,Tnnt2,Ctsw,D2Wsu81e,Vrk3,2510012108Rik,Acaa2,Mcm3,Nup93,Ssr4,Slc29a1,2610039C10Rik,Cep152,B230120H23Rik,Bzw2,Iqgap3,Ncapd3,Tslp,H2-K1,Fanca,Wipf1,Snw1,Eno3,Nme4,Nt5c3l,Arid4b,Axl,Fzd3,Gemin8,Patz1,Actl6a,Nsmce4a,Cdc40,Usp37,Ssrp1,Slc43a3,Fmnl3,Rfc2,E330016A19Rik,Ppww1,Rpl13a,Zfp281,lft74,Vash2,Cirh1a
mmu-miR-290-3p	54(1239)	5,75E-07	Rbm26,Diap3,Ap1s3,Mrps22,Nipsnap1,1110020G09Rik,Cep192,Ddx46,Egr2,Egr3,Ilf2,Nt5dc2,Mrps6,Sin3a,Tubb5,Mcm3,Rrm2,Rad21,Nudt1,Rpl30,Pkn3,Cep152,Ccrn4l,Zfp217,Cng2,Gtf2h2,Depdc1a,Rpl12,Sf3a1,Pif1,Igav,Nr2f2,Arid4b,Rad18,Ebna1bp2,Tpx2,Hat1,Mpp6,Sip1,3110003A17Rik,Cenpf,Lrig1,Xpo1,Apitd1,Ahcy,Cdc40,Ddx20,Tpp2,Plekha5,Mboat2,Fmnl3,Phc2,Khdrbs1,Nup43
mmu-miR-27b	50(1239)	5,98E-07	Pcm1,Dffb,Cenpc1,Erc61,Ccbe1,Depdc1b,Zfp52,Ctsw,Gemin6,Dnmt1,Aurka,Riok2,Msh2,Vrk3,Dusp9,Rrm2,Cct5,Dbr1,Nudt1,Chst1,Cep152,Rad51c,Polr2b,Satb2,Sgms1,Imp3,Nxf1,Nusap1,2810474019Rik,Npm1,Nr2f2,Nfx1,Mmd,Kin,Pvrl3,Fzd3,Ppif,Dut,Kif2c,Cct3,Apitd1,Wdr73,Eif5,Ruvbl2,Plscr1,Rfp14,Dclb1d,Ddx39,1700025G04Rik,Ezh2
mmu-miR-135a	51(1239)	5,99E-07	Asph,Zfp292,Elk3,9030617003Rik,Tnnt2,Tes,Ddx27,Nrp1,Kif18a,2510012108Rik,Blm,BC055324,Aebp2,Msh3,Smarce1,Exo1,Ppil1,Pla2g4a,Smek1,1700029F09Rik,Dusp5,Ccnb2,Dtl,Psmc3ip,Dhodh,Bzw2,Baz1a,Hbs1,Nxf1,Zfp7,Rnaseh2a,Gli2,1110034A24Rik,Prpf3,Nt5c3l,Mtm1,Zfp619,Prkg2,Mastl,Eif5,Strap,Yes1,Trub1,261002716Rik,Ddx39,Sf3a3,Apex1,Ccdc18,Pou2f1,Ppa1,Cirh1a
mmu-miR-881*	33(1239)	6,12E-07	Etaa1,Ahsa1,Impa2,Ilf205,Mybbp1a,Ppih,Fkbp5,Nuf2,Socs3,Sltm,BC055324,D2Erd750e,Pgk1,Thsd7a,Sp25,Crebzf,Prpf38a,Spry2,Kpna2,Gins4,Igav,Rfc5,Pigf,Ube2t,Xpo1,Prkg2,Cdkn2c,Fancd2,Dtymk,Cdca8,Incenp,Rbpj,Pogz
mmu-miR-374*	39(1239)	6,15E-07	Gata2,Impa2,Dhx9,Prpf40a,Snx7,Zfp606,Dcp1a,Zfp57,Elp2,Nuf2,Ahctf1,Tmem48,Lrp8,Dhx36,Acaa2,Luc7l,Tl1,Hspa14,Pde1a,Scrib,2310057M21Rik,Nxf1,Mmd,Nt5c3l,Pkp2,Cenpe,Pbk,Rbm14,Eif5,Yes1,Plscr1,Dtymk,Flgln1,TEX10,Pol2,Fancb,Ceapz,Tdrkh,Cirh1a
mmu-miR-361	46(1239)	6,27E-07	Nck2,Tmem39b,Sirt1,Depdc1b,Plk4,Zfp606,Nup37,9030617003Rik,Snapp3,Ihd3a,Nipsnap1,1110020G09Rik,Riok2,Ruvbl1,2510012108Rik,Lcorl,Snrbp,Usp10,1700029F09Rik,Psmc3ip,Cep152,Snrpa1,Npm1,Phf17,Dbf4,Kin,Trit1,Hat1,Cachd1,Pvrl3,Fzd3,3110003A17Rik,Nsmce4a,Strap,Cnot6,Specc1,Col7a1,Mast4,Vbp1,Phlda1,Incenp,Hells,463243411Rik,Fancb,Ltbp1,2010204K13Rik
mmu-miR-27a	49(1239)	6,34E-07	Pcm1,Dffb,Cenpc1,Erc61,Ccbe1,Depdc1b,Zfp52,Gemin6,Prpf19,Aurka,Riok2,Msh2,Vrk3,Dusp9,Rrm2,Cct5,Dbr1,Nudt1,Cep152,Polr2b,Satb2,Sgms1,Imp3,Nxf1,2810474019Rik,Bub1b,Nr2f2,Nfx1,Mmd,Kin,Hat1,Ckap4,Pvrl3,Fzd3,Ppif,Dut,Kif2c,Cct3,Apitd1,Wdr73,Eif5,Ruvbl2,Plscr1,Rfp14,Dclb1d,Arhgap19,Ddx39,1700025G04Rik,Ezh2
mmu-miR-135b	49(1239)	6,60E-07	NcapH,Elk3,Tnnt2,Tes,Ddx27,Egr3,Nrp1,2510012108Rik,Blm,BC055324,Aebp2,Msh3,Smarce1,Exo1,Ppil1,Eef1e1,Pla2g4a,Trip13,1700029F09Rik,Dusp5,Ccnb2,Psmc3ip,Dhodh,Bzw2,Cr1f1,Baz1a,Recql4,Hbs1l,2210018M11Rik,Stoml2,Zfp7,Rnaseh2a,E330009J07Rik,Rbm25,1110034A24Rik,Prpf3,Arid4b,Mtm1,Smchd1,Mastl,Eif5,Strap,Trub1,261002716Rik,Ddx39,Sf3a3,Ccdc18,Ppa1,Rbl1
mmu-miR-434-5p	50(1239)	6,64E-07	Etaa1,Ankrd50,Ahsa1,Trim24,Cks1b,Ppih,Prpf19,2610101N10Rik,Bub3,Cit,Zw10,Aebp2,Cenph,Asxl3,Enpp1,Ctbp2,Eef1e1,Dusp4,Ung,Zmynd19,Slc29a1,Gins1,Brd8,Peg12,Zc3h8,Hyal2,Rbm25,4930579G24Rik,Kin,Chd2,2810025M15Rik,Igfsf3,Ptplad1,Prps1,Tipin,Lrig1,Nudc,Sertad1,5730559C18Rik,Syne2,Lmnb1,Pum2,B3galnt1,Fancd2,Mrpl50,Cenpk,Rpl13a,Sf3a3,Incenp,Rbm12
mmu-miR-21*	45(1239)	6,87E-07	Depdc1b,Plk1,Ppih,Ccne1,Pank1,Wdr3,Cep192,Msh2,E2f8,Ppat,Cdca5,Schip1,Mtf2,Lcorl,Luc7l,Cand1,Larp7,Ncapd2,Psmc3ip,Wipf1,Usp3,Top2a,Arpc5,Pigf,Fzd3,Wdr55,Jub,Rbmx2,Dut,Limd2,Mphosph10,Tbx3,Foxp1,Strap,Rrad,Stmn1,Dclb1d,Col7a1,Pcf11,463243411Rik,Fancc,Gtse1,Cdt1,Mrpl18,1810011O10Rik
mmu-miR-28*	40(1239)	6,88E-07	Rbm26,Upf3b,Eif2,Pak1,Prpf19,2610101N10Rik,Aurka,Tiam2,Tgif1,Ect2,Zmym1,Egfr,Pde1a,Smc5,Acsl3,Kars,Spred1,E330009J07Rik,Bub1b,Psmd14,Cct3,Smc2,Gnl3,Pum2,Bhlhb9,C79407,Zcchc8,Flgln1,Cenpk,Ptbp2,Snrbp2,Cnn3,Pcf11,Zfp281,Ccdc18,Ppa1,Nsl1,Ltbp1,Arf6,Slc4a7
mmu-miR-872	46(1239)	7,74E-07	Rbmxrt,Mum1,1110020G09Rik,Aurka,Rdx,Nrp1,Wsb1,Sltm,Dbr1,Zic1,Zfp184,Pde1a,Micall2,Runx2,Ube2c,Pcnt,Gtf2h2,Pol2,H2-K1,Crebzf,Traip,Spry2,Ipo7,Snw1,Hmga2,Tea2,Psmd14,Axl,Nsmce4a,Cdc40,Rbm14,Ch25h,Ruvbl2,Yes1,Cnot6,Sp24,Mcm6,Flgln1,Cenpk,Trub1,Pdss1,Thoc2,Nsl1,Eftud2,Dnajc9,Rrs1
mmu-miR-700	47(1239)	7,87E-07	Impa2,Mum1,Mybbp1a,Ctsw,Ppih,Rangap1,U90926,Cdc5l,Nuf2,Cit,2510012108Rik,Rnps1,Usp10,Luc7l,BC027072,Ctbp2,Dusp4,Ung,Eme1,2610039C10Rik,Cbx1,Gjc1,Ccnb2,Cep152,Sgms1,Crebzf,Ppp1cc,2210018M11Rik,Wipf1,Kars,Chaf1b,Phf17,Tk1,Cachd1,Casp8ap2,Jub,Slc38a1,Apitd1,Sertad1,Ilf3,Anp32b,Abl2,Tacc3,Hirip3,Egfl7,Smarcc1,Hnrpd1
mmu-miR-320	48(1239)	7,97E-07	Prpf31,Nup54,Impa2,Birc5,Ilf205,Snx7,Las1,Zc3h15,Gspt1,Ttl4,Tmem48,Casp3,Tubb5,Brcal1,Luc7l,Zic1,Rrm1,Exo1,Pcn a,Zmynd19,Abcb1b,Bzw2,Cr1f1,Mapk1,Ncapd3,Snrpa1,Depdc1a,Tial1,Prpf38a,Cobll1,Rad54l,Cbx3,Cnna2,Bub1b,Pif1,Nfx1,Top2a,Snrpd1,Pank4,Limd2,Kif22,Xpo1,Rfc3,Sertad1,Nsmce4a,Mastl,Zfp281,Ppa1
mmu-miR-151-3p	45(1239)	8,18E-07	1110012117Rik,Impa2,Mum1,Kif4,Ccdc45,Mad2l1,Ctcf,Sgol2,Lrp8,Brcal1,BC055324,Lsm2,Aebp2,Nfatc2ip,Sgol1,Pde1a,Cbx1,Spc25,Sf3a1,Dhx15,Asf1b,Igav,Ckap2,1110034A24Rik,Unc13c,Pkp2,Axl,Pvrl3,Cenpe,Cct3,4933427D14Rik,Prmt5,Ddx20,Cct8,Cnot6,Spp1,Pum2,B3galnt1,Fancd2,Rfc2,Rcl1,261002716Rik,Bcl2l11,A1848100,Eftud2

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-669a	48(1239)	8,27E-07	Vegfc,Impa2,Dhx9,Ccbe1,Depdc1b,Elf2,Kif2a,Snx7,Atad2,Med4,Nuf2,Gspt1,Tmem48,Lrp8,Dhx36,Usp10,Luc71,Nudt1,Lin9,Dusp4,Pde1a,Gins1,Brd8,Chst1,Npn2,Gtf2h2,Zfp451,Dhx15,Dimt1,Hspa4l,Syt17,Magoh,Nup88,Eif4enif1,Rfc3,Mlf1ip,Topbp1,Wdr73,Pum2,Specc1,Fbxo32,Lrrc8c,Cenpk,1700025G04Rik,Cdca8,Gtse1,Hnrpd1,Tdrkh
mmu-miR-96	52(1239)	8,31E-07	Tgif2,Gemin4,1110012J17Rik,Arhgap22,Ranbp1,Mtmr4,Gmnn,Zfp334,Wdr43,Zfp606,Dsn1,Tes,Dnmt1,Aurka,Cdc27,Pgm1,Sltm,Pdap1,Impdh2,Cenph,Zfp184,Sh3kbp1,Zmym1,Zmynd19,Pde1a,Ncapd2,Ctnna1,Abcb1b,Casc5,Sgms1,Nxf1,Stoml2,Smc3,Rbm25,Topors,Nfx1,2810055F11Rik,Unc13c,Nme4,Tpm3,Trpc2,Synj2,2410016O06Rik,Usp37,Ncapg,Cnn3,Gart,Cdca7,Rbm12,Nxt1,Wdr36,Eps8
mmu-miR-188-3p	52(1239)	8,63E-07	Timeless,Pcm1,Gmnn,Tcf19,Ets1,9030617O03Rik,Dsn1,Ctsw,Plk1,Ddx27,Cenpj,Aspm,If2,Gspt1,Slc11a2,Cpsf4,Pdap1,Dusp9,BC055324,Zmynd19,Cbx1,Pkn3,Gpbb1,Ncapd3,Sbno1,Ptpn12,Wipf1,Kars,Card10,Syt17,Nmral1,Nt5c3l,Aifm1,PanK4,Nab2,Cachd1,Cenpn,Limd2,Zbtb12,Tpm3,Sertad1,Tnrc6a,5730559C18Rik,B3galnt1,Specc1,Dcblid1,Rfc2,Mre11a,Rasal2,Ptbp2,Ivns1abp,Tdrkh
mmu-miR-34a	56(1239)	8,80E-07	Nono,Nedd4l,Pcm1,Marcks1,Gmnn,Taf5,Tnnt2,Ctsw,Smpd3b,D2Wsu81e,Cep68,Fxn,Msh6,Acaa2,Tuba1c,Zfp532,Zmynd19,2610039C10Rik,B230120H23Rik,Bzw2,Iqgap3,Ccnf,Ncapd3,Tslp,Ptpn12,Gli2,Eno3,Nme4,Nt5c3l,Mtm1,2810025M15Rik,Pigf,Axl,Ppif,Actl6a,Wdr73,Nsmce4a,If3,Mast1,Usp37,Slc43a3,Nav3,Eliz2,Fbxo32,Rfc2,Dtymk,Arhgap19,Ppwd1,Rpl13a,Timp1,Cdca8,Zfp281,Gart,Egfl7,Vash2,Cirh1a
mmu-miR-455	52(1239)	9,31E-07	Sirt1,Prim2,Dnaja2,Birc5,Taf5,Ppib,Rangap1,Sass6,Wdr3,Ets2,2510012J08Rik,Cdca5,Mcm3,Snrpb,Lsm2,Hdac2,Ddx18,Dbr1,Armc8,Nudt1,Larp7,Slc29a1,2610039C10Rik,Ccnb2,Dhodh,Eif4a3,Snrpa1,Troap,Vrk1,H2-K1,Rpl12,Prpf38a,Gins4,Nr2f2,Ctsh,Ckap4,Lrig1,Anp32b,Mcm2,H2afz,C79407,Fancd2,Tacc3,Ppwd1,Trub1,H2afx,Incenp,A632434I11Rik,Uhrf1,Kif23,Rrs1,Dmap1
mmu-miR-325	58(1239)	9,65E-07	Ankrd50,Asph,Rnmt,Steap1,Vps36,Prdx4,Cne1,Pspc1,1110020G09Rik,Mup4,6720463M24Rik,Impdh2,Ifitm3,Tubb5,Ppid,Usp1,Asxl3,Cacybp,Ssr4,Larp7,Eme1,Cep152,Usp14,Lig1,Pnpt1,Trim25,Dhx15,Cbx3,Nap1l1,Cdc7,Npm1,Pprc1,Snrpd1,Neil3,Mcpt8,Ctsh,Hat1,Magoh,Mpp6,Qars,Rbm22,Clsnp,Mphosph10,Mlf1ip,Ddx31,Synj2,Gas2l3,Mastl,Cct8,H2afz,Rrad,B3galnt1,Lrrc8c,1110004E09Rik,Cdca8,Pcf11,Incenp,A632434I11Rik
mmu-miR-693-3p	49(1239)	9,68E-07	Tgif2,Rbm26,Nup54,Erc6l,Impa2,Ankrd32,Tnnt2,Atad2,Tpd52,Bcl10,Cep68,Zc3h15,Msh6,Casp3,Blm,Pim3,Tuba1c,Luc7l,Exo1,Pla2g4a,Pde1a,Supt16h,Rad51c,Gnb4,Wipf1,Cobll1,Dhx15,Chaf1b,Rnaseh2a,Kpna2,Hmgb2,Wee1,Psmd14,Nup88,3110003A17Rik,Ttc3,Rad51ap1,2410016O06Rik,Impa1,Yes1,Ssrp1,Cd14,Rpl4,Thl1,Rpl13a,Cebpz,Rbm12,Mrpl18,Eps8
mmu-miR-450b-3p	48(1239)	9,69E-07	Lrrc45,Diap3,Rbmxrt,Dhx9,D19Bwg1357e,Snx7,Ppib,2010002N04Rik,Noc4l,Rbbp7,Aspm,Tmem176b,If2,Fkbp5,Tox,Dis3,Gspt1,Zw10,Usp10,Cd2ap,Larp7,Zmynd19,Cep152,Rad51c,Baz1a,Hmga2,Hmgb2,Ckap2,Top2a,Prpf3,Cep70,Psmd14,Exosc2,Nudc,Slc25a24,Nsmce4a,Slco1a5,Ddx20,Prc1,Tpp2,C79407,Thl1,Psmd5,Pdss1,Sf3a3,Incenp,Ppa1,Rbm12
mmu-miR-431*	42(1239)	1,10E-06	Dhx9,Elf2,Spred2,Mum1,Prpf19,Fubp1,Nipsnap1,Cep192,Ets2,Ank3,Nuf2,Ahctf1,Lrp8,Dhx36,Mcm3,Asxl3,Ncapd2,Ccnb2,Set,Ewsr1,Prpf38a,Nusap1,Espl1,Nme4,Prps1,Fgd3,Apitd1,Pbk,Synj2,Foxp1,PolD3,Anp32b,Dcblid1,Rfc2,Hirip3,Cenpk,PolA2,Whsc2,Incenp,Ppa1,Cebpz,Hnrpd1
mmu-miR-31*	39(1239)	1,14E-06	Fmr1,Nol9,Zfp334,Rfwd3,Spag5,Tes,Aspm,If2,Myef2,Fkbp5,Nuf2,Vrk3,BC055324,Hdac2,Bach1,Zmym1,Hmgb3,Pcnt,Rp1l2,Hmgb2,Rpa2,Tpx2,Rbm17,Sfxn1,Nudt21,3110003A17Rik,Dut,Rif1,Nup155,Pkmyt1,Nolc1,Abl2,Fancd2,Arhgap19,Rsr2,Stil,Mast4,Ddx39,Cdt1
mmu-miR-200c*	42(1239)	1,14E-06	Ahsa1,Tmem39b,Trim24,Pwp2,Rbmxrt,Impa2,Caprin1,D19Bwg1357e,Depdc1b,Nol9,Gemin6,1110020G09Rik,Ddx46,6720463M24Rik,Mad2l1,Prim1,Mcm3,Hdac2,Dbr1,Ash2l,2610039C10Rik,Crfl1,Smc5,Crebzf,Depdc1a,Sf3a1,Palld,Asf1b,Pprc1,Psmd14,3110003A17Rik,Prmt5,U2af2,Wdr73,Cdc40,Plekha5,Anp32b,Lmn1b,Stmn1,1700054N08Rik,Smyd5,Eps8
mmu-miR-532-5p	47(1239)	1,17E-06	Rnmt,2810008M24Rik,Ripk2,Kif4,Riok2,Hspe1,Ptpre,Egr3,Lsm2,Tuba1c,Hspa14,Rpl30,Cd2ap,Larp7,Ncapg2,Ncapd2,2700029M09Rik,Mapk1,Recql4,Gtf2h2,Prpf4b,Stoml2,Rad54l,Nupl1,Rbm25,1110034A24Rik,2810055F11Rik,Slc9a3r1,Mpp6,Pvrl3,Jub,Kif2c,Mcm7,Neto2,Topbp1,Synj2,Akap8,Bhlhb9,Rfc2,Ppwd1,Trub1,Smu1,Khdrbs1,Smarrcc1,Kif23,Hnrpd1,Socs4
mmu-miR-24-1*	44(1239)	1,21E-06	Tgif2,Fancm,Smpd3b,Atad2,Kl1,1110020G09Rik,Fkbp5,Acaa2,Nup93,Glul,Zmym1,Hmgb3,Mapk1,Set,E130303B06Rik,Idh2,Gsg2,Edil3,Sgms1,H2afy,Nasp,Hyal2,Cobll1,Hspa4l,Cep70,Pkp2,Cachd1,Cenpn,Exosc2,Prmt5,Wdr73,Foxp1,Ddx20,Ncapg,Ddx10,Cd14,Rasal2,Incenp,Hells,Pepp1,Ccdc18,Ezh2,Fancc,Cenpi
mmu-miR-375	49(1239)	1,22E-06	Etaa1,Timm8a1,D19Bwg1357e,Plk4,Dctd,Sass6,Tcerg1,Rbbp7,Tmem176b,Nrp1,Lrp8,Ncapd2,Smc5,Zfp217,Ar14c,Kif21a,Pcnt,2210018M11Rik,Cbx3,Ptges3,Smndc1,Usp3,Ubqln2,Cdc7,Nr2f2,Pprc1,Tk1,Ptk7,Aifm1,Ctsh,Mtm1,Psmd14,Net1,Rbm17,Pvrl3,2610318N02Rik,Apitd1,Usp37,Slc43a1,Fancd2,Rfc2,Khdrbs1,Pepp1,Ppa1,Cdh10,Dock5,Tpbp,2810408A11Rik,Kif23
mmu-miR-24-2*	44(1239)	1,26E-06	Nedd4l,Tgif2,Fancm,Plk1,Smpd3b,Atad2,Med4,1110020G09Rik,Fkbp5,Zw10,Acaa2,Nup93,Glul,Zmym1,Set,E130303B06Rik,Idh2,Gsg2,Edil3,Sgms1,Nasp,Hyal2,Cobll1,Trim25,Hspa4l,Cep70,Arid4b,Pkp2,Cachd1,Cenpn,Prmt5,Wdr73,Foxp1,Ddx20,Syne2,Cd14,Rasal2,Incenp,Hells,Pepp1,Ccdc18,Ezh2,Fancc,Cenpi
mmu-miR-486	52(1239)	1,29E-06	Fmr1,Whsc1,Skp2,Acly,Rapgef2,Las1l,2010002N04Rik,Xpo7,Egr2,Ahctf1,Impdh2,BC055324,Mcm3,Fnbp1l,Luc7l,Armc8,Agxt2l2,Psirc1,Pla2g4a,Pde1a,Ncapd2,Psmc3ip,Atad5,Sf1,Stoml2,Palld,Tube1,Pttg1,Colec12,Hmga2,Ckap2,Top2a,Snrpd1,Unc5c,Trp53bp2,Rps13,4930427A07Rik,Mcm2,Cep55,Rrad,Stmn1,Specc1,Abl2,Fancd2,Dcblid1,Zchc8,Ppwd1,Thl1,PolA2,E130308A19Rik,Kif23,Tcf4
mmu-miR-676*	37(1239)	1,46E-06	Whsc1,Kif2a,Bclaf1,Dsn1,Ctsw,Ripk2,Wdr3,Vil1,E2f8,Rnps1,Ect2,Pgk1,Luc7l,Cand1,Aftph,Rpl30,Cct2,Pla2g4a,Lig1,Zc3h8,Nxf1,Stoml2,Palld,Colec12,Hmgb2,Hn1,2610301G19Rik,Synj2,Cdkn2c,Cct8,Spp1,Slc43a1,Sdpr,Mast4,Khdrbs1,Nxt1
mmu-miR-687	45(1239)	1,46E-06	Ncapg,Tmem39b,Rbm26,Nup54,Whsc1,Kif2a,Tes,Nap1l4,Rpl7a,Cdc5l,Cdca5,Mrps6,Mtf2,Lcorl,Pgk1,Fnbp1l,Sox11,Slc29a1,Ncapd2,Cep152,B230120H23Rik,Pcnt,Satb2,Ptpn12,Hyal2,Ankrd57,Usp3,F630043A04Rik,Top2a,Rad18,Dut,Ttc3,Synj2,Slc43a1,Gprc5c,Bcl2l1,Cnn3,Gmeb1,Khdrbs1,Pepp1,Pou2f1,Nxt1,Cdh10,Smyd5,Slc4a7
mmu-miR-450a-3p	50(1239)	1,67E-06	Lrrc45,Ahsa1,Arhgap22,Trim24,Kif2a,Fosl1,Kif4,Bub1,Noc4l,Ddx46,Ndc80,Aspm,Vil1,Ptpre,If2,Ank3,Fxn,Por,Mthfd1,Nudt1,Dusp5,Cep152,Rmi1,Zfp451,Slco4a1,Ncam1,E330009J07Rik,Gli2,Pprc1,Snrpg,Nme4,Pkp2,Psmd14,Cdca3,Wdr55,Actl6a,Synj2,Slco1a5,Ddx20,PolD1,Nob1,Pdss1,Sf3a3,Incenp,Ppa1,Nsl1,Cebpz,ift74,Tpbp,Eif2s1
mmu-miR-24	48(1239)	1,68E-06	Nedd4l,Whsc1,Cks1b,Taf5,9030617O03Rik,Plk1,Prpf19,Med4,Elavl1,Ccdc45,Mup4,Cdc5l,Vrk3,Nol10,Ttll4,Tmem173,Nudt1,Ccdc99,Larp7,Pde1a,Dhodh,Lig1,Rad51c,Gtf2h2,Asf1b,Sema4b,Snrpg,Rfc5,Mcpt8,Cachd1,Ints7,Jub,Fgd3,Cct3,Mphosph10,Kcnk2,4930427A07Rik,Sertad1,2410016O06Rik,Cx3cl1,Slc43a1,Dcblid1,Tacc3,PolA2,H2afx,Pepp1,Eftud2,Smarrcc1
mmu-miR-369-5p	48(1239)	1,68E-06	1110012J17Rik,Glrx,Zfp606,Ctsw,Sass6,Cpsf6,Fubp1,Wdr3,Tiam2,Dis3,Blm,D2Erdt750e,Cldn12,Cacybp,Smarrcc1,Eef1e1,Cct2,Setx,Pla2g4a,1700029F09Rik,Cbx1,Ccnb2,Gpbb1,Eif4a3,Lig1,Hnrpl1,Hbs1l,Depdc1a,Stk17b,Ssb,Dhx15,Kars,Nupl1,Asxl1,Hspa4l,Syt17,Mat2a,Ptcd3,Ankrd28,Fzd3,Racgap1,Wdr55,Gphn,Synj2,Lmn1b,Gprc5c,A632434I11Rik,Cdh10

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-684	42(1239)	1,69E-06	6430527G18Rik,Prpf31,Fhl2,Ets1,Kif2a,1110020G09Rik,Egr3,Tiam2,Rad21,Klhdc2,Cdca2,Ccnb2,Bzw2,Ccnb1,Set,H2afy,Ssb,Lyar,E330009J07Rik,Ppcc1,Rfc5,Zcchc2,Ankrd28,Zbtb12,Trpc2,Tnks2,Dapp1,Plscr1,Ssrp1,Specc1,Cd14,Rfc2,Mre11a,Ppwwd1,Ptbp2,Polr2,Rad51,Dyrk3,Tmpo,Mrp18,Hnrpd1,Zcchc11
mmu-miR-7a	48(1239)	1,74E-06	Gemin4,Prim2,Rbmxrt,Caprin1,Plk4,Sass6,Riok2,Xpo7,Ptpre,Parp1,Nt5dc2,Kif18a,Cdk2,Brca1,Msh3,Nek6,Prsc1,Pdk3,Cep152,Snrpa1,Ptgs2,Rps9,Cul4b,Tial1,Ssb,Asxl1,Gli3,Slc9a3r1,Rsf1,Dut,Cct3,Casp6,Dus3,U2af2,Bnc2,Ssrp1,Nav3,Lmnb1,Stmn1,1110004E09Rik,Psm5,Utp11,Gmeb1,Hells,Pou2f1,Cdc73,Hnrpd1,Eif2s1
mmu-miR-297b-5p	44(1239)	1,83E-06	Gemin4,Prim2,Dhx9,Kif2a,Mum1,Nup37,Swap70,Ddx27,Kif18a,Msh6,Lcorl,Snrpb,Armc8,Pik3c2a,Cd2ap,Pla2g4a,Gjc1,Runx2,Mbtps2,Eif4a3,Kntc1,Baz1a,Idh2,Nupl1,Neil3,Dbf4,Unc5c,Paip1,Pkp2,Sip1,Casp8ap2,Eif4enif1,Casp6,Kcnk2,Nsmce4a,Uspp37,Bnc2,Cep55,Slc43a1,Rrad,Cenpk,Lifr,Dyrk3,Ltbp1
mmu-miR-468	44(1239)	1,83E-06	H2afv,Dgcr8,Ranbp1,Impa2,Abi1,Lgl1,Cks1b,Elf2,Wdr43,Snpc3,Prdx4,Tpd52,Myef2,Cit,2510012J08Rik,Schip1,Iftm3,Armc8,Cep57,Prsc1,Pde1a,Cep152,Baz1a,Hbs1,Kpna2,Top2a,Syt17,Cep70,Psm14,Cenpn,Slc38a1,Slc39a10,Uspp37,Eif5,Slc43a3,E330016A19Rik,Cenpk,Rad51,Incenp,Hells,Egfr1,Ift74,Cdt1,AA408296
mmu-miR-488	44(1239)	1,83E-06	Ahsa1,Impa2,Dhx9,Fhl2,Depdc1b,Has2,Ndc80,Ets2,Egr3,Hspd1,Zw10,Msh6,Impdh2,Sin3a,Brca1,Mthfd1,Snrpb,Hdac2,Hspa14,Denr,Setx,Dhodh,B230120H23Rik,Prpf38a,Ankrd57,Asf1b,Ier2,Bub1b,Dbf4,Rad18,Trit1,Mat2a,Pvrl3,Foxp1,Cct8,Syne2,Rrad,B3galnt1,Zfp281,463243411Rik,Pou2f1,Ltbp1,Nxt1,Gtse1
mmu-miR-218	46(1239)	1,86E-06	Lrrc45,Prkar2b,Whsc1,Ktn1,Depdc1b,Smpd13b,Kif4,U90926,Tyw3,Hspe1,Lrp8,Sltm,Acad2,Slit2,Nup93,Asxl3,Slc29a1,Dusp5,Psmc3ip,D1Bwg0212e,Zc3h8,Parp12,Crebzf,Kpna2,Ncaph2,Ubqln2,Bub1b,2810055F11Rik,Hn1,Nmral1,Arid4b,Tpx2,Smchd1,Rfc3,Dapp1,Cct8,E2f7,Pum2,Cenpk,Th11,Tnfaip6,Ccdc18,Cebpz,Nxt1,Ift74,2810408A11Rik
mmu-miR-509-3p	50(1239)	1,91E-06	Phf6,Prkar2b,Vegfc,Impa2,Abi1,Lgl1,Ccne1,Idh3a,Emb,Myef2,Ank3,Yme11,Fbxo5,Prsc1,Uspp34,Zmynd19,Trip13,B230120H23Rik,Casc5,Pcnt,Crebzf,Csnk1g3,Cobl1,Dhx15,Asxl1,Neil3,Wee1,Tpx2,Psm14,Mpp6,Iws1,Ptcd3,Sox4,Lrig1,Eif4enif1,Nucks1,Pbk,Synj2,Mboat2,Esf1,Sdpr,Ppwwd1,Trub1,Th11,Rpl13a,AI848100,Twistnb,Fance,Slc4a7,Cirh1a
mmu-miR-714	50(1239)	2,06E-06	Rcc2,H2afv,Elf2,Depdc1b,Cks1b,Tgfb3,Tnnt2,Ogfr1,Ctsw,Cbx2,Elp2,Tmem176b,Polr1e,2510012J08Rik,Zw10,Tubb5,Adams7,Cct7,Dusp9,Fen1,D2Ert4750e,Pgk1,Zic1,Nudt1,Denr,Slc29a1,Mical2,Set,Ncapd3,Hbs1,X99384,Ewsr1,Nup107,Lyar,Ckap2l,Sema4b,Gins4,2610301G19Rik,Zcchc2,Net1,Fgd3,Mybl2,Wdr73,Ssrp1,Rrad,Cd14,Rasal2,Bcl2l11,Sf3a3,Phlda1
mmu-miR-542-3p	49(1239)	2,17E-06	Gemin4,Pop1,Clns1a,Atad2,Ripk2,Med4,Noc4i,Aurka,Fkbp5,Sgol2,Tll4,Msh6,Lcorl,Ppid,Cenph,Zfp184,Ccdc99,Pcna,Egfr,Rsbn1,H2afy,Tial1,Hyal2,Nxf1,Lyar,Hmgb1,Nusap1,Dbf4,Cep70,Unc5c,2810025M15Rik,Nup88,3110003A17Rik,Ahcy,Tpcc2,Nsmce4a,Uspp37,Plscr1,Cnot6,Figl1,Cenpk,Ppwwd1,Rad51,Ppa1,Nsl1,Nxt1,Ecd,Dmap1,Zcchc11
mmu-miR-293	47(1239)	2,28E-06	Nedd4l,Lrrc45,Asph,Fhl2,Depdc1b,Has2,Smpd13b,Atad2,2010002N04Rik,Pspc1,Noc4i,Cep192,Impdh2,Nfyb,Luc7l,Msh3,Nudt1,Zmym1,Pde1a,Thsd7a,Crfl1,Ube2c,Sp25,Troap,Imp3,Cdc7,Uchl5,Adsl,Nme4,2610301G19Rik,Psm14,2810025M15Rik,Pvrl3,Lrig1,Rad51ap1,Pbk,Tnks2,Ddx20,Tpp2,Rrad,Nav3,Pold1,Dcbl1,Rfc2,2610027L16Rik,Phlda1,H2afx
mmu-miR-654-3p	50(1239)	2,30E-06	Sap30,Asph,2700050L05Rik,Gmnn,Depdc1b,Elf2,Taf5,Atad2,Wdr5,Pnn,Tll4,Msh6,Schip1,Tmem173,Rad21,Emg1,Larp7,Pde1a,Gins1,Kif20a,Npn2,Casc5,Set,Sp25,Sgms1,Wipf1,Nup107,Asf1b,Uspp34,Gins4,Gli2,Unc13c,Tpx2,Rbmx2,Limd2,Nudc,Apitd1,Zrsr2,Gas2l3,Impa1,Cnot6,Rcl1,Arhgap19,Trub1,Bcl2l11,Polr2,Nol11,Me2,Cenpi,Vash2
mmu-miR-297c	45(1239)	2,36E-06	Prim2,Rnmt,Dhx9,Nup37,Aurkb,Ddx27,Tcerg1,Msh6,Mtf2,Rnf138,Lcorl,Snrpb,Armc8,Pik3c2a,Cd2ap,Pla2g4a,Brd8,Runx2,Mbtps2,Eif4a3,Rad51c,Prpf38b,Kntc1,Baz1a,Idh2,Cobl1,Neil3,Dbf4,Syt17,Paip1,Pkp2,Sip1,Wdr55,Eif4enif1,Casp6,Kcnk2,Nsmce4a,Uspp37,Bnc2,Cep55,Slc43a1,Rrad,Cenpk,Lifr,Ltbp1
mmu-miR-680	48(1239)	2,44E-06	Ncaph,Trim24,Whsc1,Ift205,Mum1,Fosl1,Elavl1,Pspc1,Elp2,5730590G19Rik,Xpo7,Cdc5l,Vrk3,Pdap1,Apex2,Brca1,BC055324,Cct5,Pcna,Sh3kbp1,Eme1,Mical2,Lig1,Set,Rsbn1,Troap,Sgms1,Ppp1cc,Hyal2,Sf1,Mcm10,Snw1,Ppcc1,Tk1,Slc9a3r1,Plxnb1,Qars,Sox4,Fgd3,Casp6,Rfc3,Prmt5,Tnks2,Slc43a3,Stmn1,Fancd2,Arf6,Dock5
mmu-miR-710	46(1239)	2,45E-06	Rbmxrt,Impa2,Snx7,Mybbp1a,Sass6,Dnmt1,Cdc5l,Gspt1,2510012J08Rik,Larp7,Runx2,Scrib,Sf3a1,Nxf1,Mcm10,Nusap1,Kpna2,Cdc7,Nt5c3l,Melk,Mtm1,Tpx2,Pkp2,Igfb3,Nup88,Ddx11,Dut,Slc38a1,Ddx31,Pbk,Synj2,Impa1,Dapp1,Cnot6,Slc43a1,Zcchc8,Arhgap19,Sf3a3,Egfl7,Nsl1,Tmpo,Tpbg,Eftud2,Smarrc1,Kif23,Eif2s1
mmu-miR-470	43(1239)	2,50E-06	Lrrc45,Dhx9,Hspa8,Fosl1,Hmnr,Ppib,Srpk1,Ddx46,Mup4,Egr2,Ythdc1,Fxn,Mrps6,Sltm,Pdap1,Tgfr1,Mthfd1,Pgk1,Tuba1c,Exo1,Enpp1,Sh3kbp1,Hmgb3,Eme1,Pcnt,Satb2,Sf1,Bcl7a,Kars,Traip,Espl1,Uspp34,Top2a,Nt5c3l,Cct3,Nudc,Ddx31,Pbk,Mycn,Hirip3,Th11,Mast4,Apex1
mmu-miR-805	44(1239)	2,75E-06	2810046L04Rik,Dgcr8,Rbmxrt,Kif2a,Ppib,Ccne1,Sass6,Las1,Ythdf2,Cep192,Elp2,Tpd52,Mup4,6720463M24Rik,Hspd1,Wsb1,Zw10,Schip1,Tgfr1,Junb,Msh3,Lin9,Cct2,Prsc1,Pdk3,Mbtps2,4930547N16Rik,Rad51c,Sp25,Larp4,Kpna2,Cdc7,Snrdp1,Dbf4,Melk,Elf2,Ly75,Dtymk,Stil,Ppwwd1,Rpl13a,Utp11,Pcf11,Rbm12
mmu-miR-503	48(1239)	2,84E-06	Trim24,Tnnt2,Spag5,Ccne1,Ythdc1,Zw10,Mrps6,Pdap1,Tubb5,Tmem173,Adams7,Lcorl,Tll1,Gpd2,Ung,Larp7,Zmynd19,Psmc3ip,Zfp217,Pcnt,Sgms1,Wipf1,Spry2,Ipo7,Nupl1,Bub1b,Hspa4l,Cenpn,Pvrl3,Dut,Lrig1,Mphosph10,Ttc3,Prmt5,Pthr2,Ilf3,Uspp37,Ssrp1,Stmn1,Dcbl1,Rcl1,Mast4,Ddx39,Whsc2,Gart,Cenpi,Dnajc9,Eps8
mmu-let-7c	54(1239)	2,89E-06	Phf6,Rcc2,Dffb,Tnpo1,Prkar2b,Birc5,Ktn1,Pak1,Dsn1,Lrig3,Kif4,Noc4l,Bub3,Nuf2,Tll4,Casp3,Prim1,Tubb5,Cct7,Fbxo5,Myc,Slc19a1,Trip13,Eme1,2610039C10Rik,Cep152,Dusp6,Pcnt,X99384,Sgms1,Gtf2h2,Lyar,Dhx15,Espl1,Ncaph2,Ckap2,Nme4,Qars,Prps1,Actl6a,Ncapg,Plscr1,Akap8,Fbxo32,D16Ert472e,Nob1,1110004E09Rik,Ddx39,Sf3a3,Ezh2,Tpbg,Kif23,Zcchc11,Eps8
mmu-miR-146a	49(1239)	2,90E-06	Asph,Gemin4,Erc6l,Fhl2,Pak1,Ripk2,Nap1l4,Strbp,Aspm,Parp1,Ahctf1,Tmem48,Schip1,Blm,Prsc1,Slc19a1,Emg1,Slc25a5,Adss,Cep152,Supt16h,Ccrn4l,Rps9,Satb2,H2-K1,Tial1,Prpf38a,Zfp451,Dhx15,Rad51l,Slbp,Card10,Uspp34,Npm1,Pif1,Nt5c3l,Pkp2,Cachd1,Cdca3,Kif22,Actr3,Pum2,Abi2,Nob1,Dtymk,Rsrc2,Rasal2,Cdh10,Top1
mmu-miR-344	43(1239)	2,94E-06	Sap30,Hspa8,Cks1b,Nme1,Atad2,Sass6,Cit,Impdh2,Tubb5,Armc8,Agxt212,BC027072,Dusp4,Dhodh,Ccnf,Hn1,Dusp6,Rpl12,Ssb,Uspp6nl,Nfkbiz,Rasa1,Tead2,Nfx1,F630043A04Rik,2810025M15Rik,Racgap1,Dut,Rps13,Ilf3,H2afz,Ddx10,Bhlhb9,Specc1,Gprc5c,Tacc3,2610027L16Rik,Etv4,Egfl7,Nsl1,H2afy2,Rbpj,Smc4
mmu-miR-145	47(1239)	3,07E-06	Mcm5,Birc5,D19Bwg1357e,Fhl2,Tcf19,Zfp334,Smpd13b,Las1,Smc6,Pdia6,Myef2,Zw10,Pdap1,Fncd4,Sin3a,Pgk1,Myc,Dusp4,Cdc25a,Cep152,Rad51c,Ccrn4l,Kif21a,Pcnt,Rps9,Cul4b,H2afy,Nasp,Ankrd57,Bub1b,Arpc5,Nab2,Cenpn,3110003A17Rik,Jub,Topbp1,Wdr73,Ddx20,Prc1,Ruvbl2,Pold3,Yes1,Actr3,Gmeb1,Pou2f1,Rbm12,Nxt1
mmu-miR-196a*	38(1239)	3,08E-06	Nedd4l,Tnpo1,Errf1,Marcks1,Dsn1,Ccne1,Tes,Aspm,Ptpre,Egr3,Cdc5l,Aftph,Uspp34,Pcnt,Wipf1,Nupl1,Pttg1,Ier2,Phf17,Adsl,Jub,Rbmx2,Dut,Zfp619,Mphosph10,Kcnk2,Neto2,Ilf3,Uspp37,Mboat2,Ssrp1,Rrad,Fmn13,Rfc2,Cdca8,Hells,Nxt1,Kif23
mmu-miR-880	43(1239)	3,18E-06	Khsrp,Elf1,Amd1,Dcp1a,Dctd,Ddx52,Vrk3,Ahctf1,Slc11a2,Lrp8,Acad2,Suv39h1,Snrpb,Fbxo5,Msh3,Cep57,Rpl3,Setx,Pde1a,2700029M09Rik,Lig1,Snrpa1,Rpl12,Hyal2,Trim25,2810474O19Rik,Snw1,Nfkbiz,Gins4,Hmgb2,Cep70,Tpx2,Limd2,Chtf18,Smarrc5,Lmnb1,Rasal2,Hells,Pou2f1,Fance,Ltbp1,2810408A11Rik,Pogz

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-881	41 (1239)	3,21E-06	Gemin4,D19Bwg1357e,Wdr43,Plk4,Kif4,Myef2,Ythdc1,Kif18a,Tll1,Stip1,Pde1a,Kif20a,Abcb1b,Sbno1,Rad54l,Mcm10,Smc3,Npm1,Pif1,Eno3,Top2a,Neil3,Nt5c3l,Arid4b,Paip1,Ctsh,Net1,Pole,Pigf,Sip1,Kif22,Sertad1,Tpp2,Plekha5,Spp1,Sp24,Fbxo32,Abl2,Trub1,Map4k5,Pepp1
mmu-miR-297a	45 (1239)	3,47E-06	Prim2,Tnpo1,Dhx9,Aurkb,Ddx27,Msh6,Mtf2,Rnf138,Lcorl,BC055324,Snrpb,Armc8,Rpl30,Pik3c2a,Cd2ap,Pla2g4a,Gjc1,Runx2,Mbtps2,Eif4a3,Rad51c,Kntc1,Baz1a,Idh2,Cobll1,Nupl1,Neil3,Dbf4,Paip1,Pkp2,Sip1,Eif4enif1,Casp6,Kcnk2,Cenpl,Nsmce4a,Usp37,Bnc2,Cep55,Slc43a1,Rrad,Cenpk,Ltbp1,Tpbg,Tdrkh
mmu-miR-470*	40 (1239)	3,73E-06	Ncaph,Cdca7l,Sap30,Cenpc1,Kif2a,Rdx,Riok2,Ube2e3,Marcks,Cdc5l,Nuf2,Hspd1,Casp3,Sltm,Cct7,Dusp9,Nudt1,Rcc1,Rpl30,Pcna,Pscl1,Serbp1,Cbx1,Eif4a3,H2-K1,Ewsr1,Acsl3,Ctsh,2810025M15Rik,Ptcd3,Cd24a,Slc38a1,Cenpe,Mlf1ip,Pthr2,Gprc5c,Fancd2,Trub1,2610027L16Rik,Nxt1
mmu-miR-337-5p	46 (1239)	3,73E-06	Sap30,Prim2,Cenpc1,Depdc1b,Nol9,Eef1g,Glrx,Plk1,Ccne1,Wdr3,Cep192,Cdc27,Ube2e3,Msh2,Alad,Aebp2,Sox11,Ncapd2,Pkn3,Psmc3ip,Mpzl1,Gsg2,Atad5,Wipf1,Kars,Nfkbiz,Syt17,Dut,Nuttf2,2410016O06Rik,Ilf3,Rbm14,Foxp1,Plekha5,Cep55,Slc43a1,Syne2,Slc43a3,Rrad,Stmn1,C79407,Nob1,Rasal2,H2afx,Incenp,Kif23
mmu-miR-196b	52 (1239)	3,74E-06	Etaa1,Rbm26,Rcc2,Hspa8,Elf2,Zfp606,Ccne1,Rdx,Rbbp7,Aspm,Myef2,Parp1,Ttll4,Tmem48,Casp3,Schip1,Ebf2,BC055324,Pscl1,Slc25a5,Dusp5,Casc5,Ncapd3,Rsbn1,Imp3,Rpl12,Nxf1,Espl1,Ier2,Snw1,Sumo2,Nme4,Nt5c3l,Paip1,Chd2,Trp53b,p2,Zfp619,Kif22,Actl6a,Wdr73,Cdkn2c,Dapp1,Syne2,Slc43a3,Tacc3,Ptger4,Timp1,Ezh2,Mrpl18,Tpbg,Cirh1a,Pogz
mmu-miR-669b	49 (1239)	3,85E-06	Nedd4l,Ncaph,Ahsa1,Cenpc1,Spred2,Kif2a,Plk4,Smpd13b,Lrig3,Sass6,Aurkb,Ddx27,Exosc8,6720463M24Rik,E2f8,Myef2,Ank3,Tiam2,Msh3,Sgol1,B230120H23Rik,Casc5,Shcbbp1,Gtf2h2,Snrpg,Mcpt8,Nme4,Mtm1,Psm14,Zwlich,Ube2t,3110003A17Rik,Patz1,Actl6a,Ncapg,Tpp2,Cep55,Mcm6,Dcbl1d,Lrrc8c,Nob1,Rasal2,Cenpk,2610027L16Rik,Pcf11,Me2,Pou2f1,Mrpl18,Tdrkh
mmu-miR-98	46 (1239)	3,85E-06	Rcc2,Prkar2b,Birc5,Taf5,Plk4,Prdx4,Lrig3,Fubp1,Las1l,Noc4l,Rdx,Pgm1,Ttll4,Casp3,Tubb5,Brca1,Cct7,Rrm2,Myc,Eme1,Trim28,Lbr,Casc5,Pcnt,X99384,Gtf2h2,Ptpn12,Rad54l,Espl1,Ckap2,Neil3,Nme4,Qars,Dus3l,Actl6a,AKap8,Ly75,Nob1,1110004E09Rik,Ddx39,Sf3a3,Ezh2,Fancb,Nxt1,Kif23,Tcf4
mmu-miR-134	45 (1239)	3,87E-06	H2afv,Hspa8,Wdr43,Ogfr1l,Idh3a,Elavl1,Xkr5,Egr3,Myef2,Als2cr12,2510012J08Rik,Armc8,Myc,Asxl3,Ppil1,Ssr4,Pscl1,Zmynd19,Slc25a5,Ctnna1,Cep152,Idh2,Tslp,Sgms1,2810055F11Rik,Prpf3,Rfc5,Casp8ap2,Cenpf,I11rap,Patz1,Nuttf2,Ilf3,Cct8,Anp32b,Bnc2,Syne2,Bhlhb9,Cenpk,Ppwwd1,Pol2,Egfl7,Cdca7,Rfc4,Mrpl18
mmu-miR-677	44 (1239)	4,03E-06	Phf6,Ankrd32,Fus,Sass6,1110020G09Rik,Cep192,Egr3,Cdc5l,Sgol2,Hspd1,Cct7,BC055324,Agxt2l2,Ctbp2,Ung,Gins1,Trim28,Dhodh,Zfp217,Recql4,Imp3,Rpl12,Stoml2,Ckap2l,Rbm17,Cenpn,Isg20l2,Cd24a,Fgfr10p,Fbln1,BC016423,Cdkn2c,Rif1,Dapp1,Spp1,Pafah1b3,Abl2,Dcbl1d,Ppwwd1,Vbp1,Liffr,Khdrbs1,Dyrk3,4632434l11Rik
mmu-miR-125b*	43 (1239)	4,37E-06	Tmem39b,Rbmxrt,Marcks1l,Tcf19,Wdr43,Smpd13b,Ppih,Rangap1,Riok2,Cdc5l,Nuf2,Api5,Dhx36,Prim1,Nfyb,Tfdp1,Cd2ap,Iqgap3,Gnb4,Prpf4b,Slbp,Ier2,Bub1b,Arid4b,Slc9a3r1,Egr1,Nup88,Rbmx2,Socs6,Clsn,Prmt5,Polr3b,Sertad1,Cdkn2c,Ddx20,Osmr,Ruvbl2,Pum2,Stmn1,Gprc5c,Cnn3,Nsl1,Eif2s1
mmu-let-7i	54 (1239)	4,41E-06	Etaa1,Arhgap22,Rcc2,Birc5,Ktn1,Pak1,Dsn1,Ctsw,Prdx4,Lrig3,Bub3,Rdx,Pgm1,Tpd52,Rbbp7,Aspm,Tmem176b,Gspt1,Ttll4,Casp3,Acaa2,Prim1,Tubb5,Rrm2,Luc7l,Myc,Cep152,Casc5,Bzw2,Idh2,Imp3,Pol2,Ptpn12,Dhx15,Espl1,Nme4,Mtm1,Qars,Pvrl3,Prps1,Actl6a,Slc43a3,Rrad,Sp24,AKap8,Nob1,1110004E09Rik,Egfl7,Ezh2,Fancb,E130308A19Rik,Fancg,Kif23,Tcf4
mmu-miR-509-5p	49 (1239)	4,41E-06	Trim24,Dnaja2,Whsc1,Cks1b,Spag5,Setdb2,Pdia6,Als2cr12,Tmem173,Sox11,Msh3,Tfdp1,Rab15,Tll1,Usp1,Sms,Scarb1,Cep152,Supt16h,Peg12,Lig1,Mpzl1,Arl4c,Sp25,H2-K1,Rpl12,Hyal2,Slco4a1,Larp4,Hn1,Mcpt8,Qars,Cdca3,Exosc2,Slc25a24,Wdr73,Sertad1,Cacna1c,Dapp1,Ssrp1,Esf1,Rfc2,Figl1,Rpl13a,Pol2,Dyrk3,Cdca7,Arf6,Kif23
mmu-miR-489	46 (1239)	4,45E-06	Gmn, Ets1, Lgl1, Snx7, Acl, Dsn1, Ctsw, Paxip1, Wdr3, 1110020G09Rik, Cdc5l, Ank3, Nuf2, Sltm, Cct7, Hdac2, Khdc2, Hspa14, Enpp1, Slc29a1, 2610039C10Rik, Mrpl19, Sdad1, Polr2b, Sgms1, Hmgb1, Kin, Ints5, Pvrl3, Wdr55, Trp53bp2, Nde1, Patz1, Kif22, Smc2, Mastl, Eif5, Gprc5c, Rfc2, Ptpb2, Thoc2, Uhrf1, Cdh10, Mrpl18, Kif23, Hnrpd
mmu-miR-539	40 (1239)	4,53E-06	Etaa1,Ncaph,Ahsa1,Whsc1,Smpd13b,Emb,Las1l,Strbp,1110020G09Rik,Dnm1,Mup4,Kif18a,Ttll4,Brca1,Hdac2,Zfp184,Ncapd3,Snrpa1,H2-K1,2210018M11Rik,Tial1,Kars,Cachd1,Mpp6,Pigf,Pvrl3,Fgf7,3110003A17Rik,Cenpf,Patz1,Prkg2,Zbtb12,Pthr2,Foxp1,Sp1,Slc43a3,Rasal2,Rpl13a,Al848100,Ezh2
mmu-miR-455*	37 (1239)	4,54E-06	Asph,Timeless,Rcc2,Prim2,Kif2a,Prpf19,Paxip1,E2f8,Zw10,Msh6,Tubb5,Por,Nup93,Nfatc2ip,Nudt1,Agxt2l2,Zmym1,Cbx1,Gtf2h2,Lrrk1,Ewsr1,Kars,Usp3,Nfkbiz,Neil3,Pkp2,Pvrl3,Casp6,Zrsr2,Fbln1,Ahcy,Synj2,Bnc2,Rcd1,Ppwwd1,Lif,Socs4
mmu-miR-654-5p	49 (1239)	4,55E-06	Asph,Rbm26,Rcc2,Trim24,Taf5,Wdr43,Sass6,Wdr3,Noc4l,Rdx,Tiam2,Mcm4,Sltm,Tuba1c,Nudt1,Ctbp2,Pdk3,Slc25a5,Ccnb2,Dhodh,Sp25,Casp8,Pol2,Crebzf1,Wipf1,Dhx15,Syt17,Unc13c,Psm14,Nab2,Chd2,Ddx11,Sip1,Cdca3,Pvrl3,Tinf2,Abhd10,2410016O06Rik,Mastl,Plekha5,Slc43a3,E2f7,Mrpl50,2610027L16Rik,Phc2,Ppa1,Fancb,2010204K13Rik,Zcchc11
mmu-miR-129-3p	47 (1239)	4,56E-06	Tmem39b,Zfp292,Trim24,Ercc6l,Dhx9,D19Bwg1357e,Acl, Srpk1, Rpl7a, Egr3, Cpsf4, Nfatc2ip, Msh3, Nudt1, Cand1, Cacybp, Egfr, Slc29a1, Micall2, Abcb1b, Supt16h, B230120H23Rik, Mpzl1, Ccnf, Cng2, Rpl12, Sf1, Nxf1, Stoml2, Rad54l, Dbf4, Rfc5, Gli3, Pigf, Jub, Patz1, Casp6, Nudc, Ddx31, Ly75, Etv5, Incenp, Dyrk3, Mrpl18, Eftud2, 2810408A11Rik, Slc4a7
mmu-miR-499	44 (1239)	4,64E-06	1110012J17Rik,Tmem39b,Pop1,Ercc6l,Amd1,2810008M24Rik,Trim59,Atad2,Aurkb,Dnmt1,Ube2e3,6720463M24Rik,Nuf2,Dis3,Fxn,Blm,Mthfd1,Rnps1,Sfpq,Rad21,Cep57,Zfp184,Enpp1,Pcna,Cd2ap,Snrpa1,Rpl12,Ewsr1,Prpf38a,Usp6nl,Zfp54,Mbd4,Tpx2,Pvrl3,Tipin,Mastl,H2afx,Slc43a1,2610027L16Rik,1110004E09Rik,Cnn3,Zfp281,Socs4,Pogz
mmu-miR-879	43 (1239)	5,26E-06	Etaa1,Ahsa1,Arhgap22,Whsc1,Ccbe1,Ppih,Prpf19,Aurkb,1110020G09Rik,Noc4l,Riok2,Ube2e3,Ilf2,Ttll4,Mthfd1,Msh3,Myc,Gins1,2610039C10Rik,Kif20a,Pkn3,Dhodh,Eif4a3,Parp12,Rpl12,Spry2,Espl1,Hmgb2,Mbd4,Sumo2,Cep70,Nme4,Aifm1,Tpx2,Mphospho10,Spp1,Slc43a1,Gprc5c,Rfc2,Utp11,Gtse1,Cdt1,Mrpl18
mmu-miR-742	46 (1239)	5,34E-06	Cenpc1,Tnpo1,Birc5,Pak1,Plk4,Swap70,Ddx27,6720463M24Rik,Ruvbl1,Cdc5l,Fkbp5,Zc3h15,Hspa14,Cand1,Usp34,Pkn3,Lbr,Iqgap3,Gsg2,Hbs1l,Ptpn2,Tube1,Cdc7,Pprc1,Arid4b,Ctsh,Prr11,Dus3l,Bbs12,Esco2,Smarca5,Rbm14,Slc43a1,Nob1,1110004E09Rik,Bcl2l11, Twistnb, Hells, 4632434l11Rik, Fancg, Cdt1, Rbpj, Siva1, Dnajc9, Slc4a7, Rrs1
mmu-miR-335-5p	48 (1239)	5,76E-06	Sap30,Tmem39b,Pcm1,Prim2,Clns1a,Rbmxrt,Cpsf2,Gmn,Ktn1,Kif2a,Plk4,Spag5,Kif4,Gspt1,2510012J08Rik,Rad21,Dbr1, Etf1, Cand1, Zfp184, Pcna, Zmym1, Trim28, Pcnt, Idh2, Gsg2, Prpf4b, Fanca, Tial1, Slbp, Ublqn2, Rasa1, Hmgb2, Pvrl3, Gemin8, Ddx31, Nsmce4a, Ilf3, Ssrp1, Bhlhb9, Tacc3, Ptpb2, Atrx, Bcl2l11, Tnfai6p, Cdh10, Rbpj, Wdr36
mmu-miR-380-3p	42 (1239)	6,18E-06	Nedd4l,Asph,Gemin4,D19Bwg1357e,Zfp52,Txnrd1,Nap114,Cenpj,Pnn,Nrf1,Msh6,Schip1,Prim1,Dbr1,Cenph,Sh3kbp1,Zfp36l2,Slc25a5,Baz1a,Polr2b,2310057M21Rik,Edil3,Gtf2h2,Rpl12,Slco4a1,Nupl1,Colec12,Cdc7,Snrpd1,Hat1,Sip1,3110003A17Rik,Patz1,Casp6,Rad51ap1,Cep170,Th11,Cnn3,Cd300lb,C330027C09Rik,4632434l11Rik,Tpbg
mmu-miR-708	42 (1239)	6,41E-06	Shmt1,Whsc1,Spag5,Plk1,Ap1s3,Strbp,Yrk3,Snrpb,Pcna,Zmym1,Ung,Emg1,Eif4a3,Set,Ncapd3,Ube2c,Idh2,Hbs1l,Imp3,Ssb,Smc3,Hmgb2,Rpa2,Trit1,Ddx11,3110003A17Rik,Slc38a1,Ttc3,Ddx31,Yes1,Ssrp1,Fmnl3,Specc1,Gprc5c,Rfc2,Nob1,Trub1, Twistnb, Ccdc18, Mrpl18, Kif23, Cirh1a

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-138*	38(1239)	6,42E-06	Asph,Noc4I,Ube2e3,Ilf2,Acad2,Lcorl,Ppid,Fnbp1,Rab15,Asxl3,Scarb1,Cct2,Hmgb3,Cbx1,Dusp5,Pkn3,Ppp1cc,Nusap1,Lar p4,Nfkbiz,Hspa4I,F630043A04Rik,Tipin,Patzi1,Pbk,U2af2,2410016O06Rik,Plekha5,Tacc3,Nob1,Figl1,Etv4,Apex1,Incenp ,Hells,Cdca7,2010204K13Rik,Mrpl18
mmu-miR-715	47(1239)	6,54E-06	6430527G18Rik,Tgif2,2700050L05Rik,Prkar2b,Whsc1,Ktn1,Tcf19,Cks1b,Pak1,Kif4,Noc4I,Xpo7,Msh2,Rest,Nrp1,Adamts 7,Apex2,Hdac2,Klhdc2,Enpp1,Zmynd19,Brd8,Psmc3ip,Lig1,E130303B06Rik,Snrpa1,Kif21a,Cdc7,Kpnb1,Ctsh,Tpx2,Pkp2, Nab2,Fgd3,Cct3,Gphn,Nudc,Apitd1,Wdr73,Cacna1c,Nav3,Mcm6,Rcl1,Cenpk,Egfl7,Ppa1,Rbpj
mmu-miR-29a*	44(1239)	6,58E-06	Pcm1,Impa2,Gemin6,Phactr4,Las1l,Cep192,Rdx,Pdia6,Ndc80,6720463M24Rik,Msh2,Ank3,Tmem48,Pgk1,Zfp184,Eef1e 1,Setx,B230120H23Rik,Ptgs2,Pcnt,Gsg2,Nasp,Gins4,Hspa4I,Ckap2,Nfx1,Mcpt8,Pkp2,Psmd14,2810025M15Rik,Ptcd3,Fgf 7,Igf2bp1,Trp53bp2,Actl6a,Syng2,Cdc40,Slco1a5,Spc24,Rpl13a,Ccdc18,Tmpo,Wdr36,Zcchc11
mmu-miR-466c-5p	58(1239)	6,75E-06	Prim2,El1,Prx,Dhx9,Steap1,Mum1,Ctsw,Phactr4,Elavl1,Aspm,E2f8,Ank3,Kif18a,Yme111,Mtf2,Lcorl,Dusp9,Nfatc2ip,Cep5 7,Zfp184,Rpl30,Pik3c2a,Usp34,Gjc1,Mbtps2,Kntc1,Ube2c,Kif21a,Gtf2h2,Sbk1,Nusap1,Nfx1,Neil3,Sumo2,Snrpg,Aifm1, Mtm1,Cenpn,Wdr55,Casp6,Kcnk2,Mlf1ip,Polr3b,Tnks2,Ch25h,Usp37,Prc1,Bnc2,Cep55,Plscr1,Slc43a1,Rrad,Specc1,Cdc a8,Gmeb1,Tmpo,Ltbp1,Eps8
mmu-miR-876-3p	48(1239)	6,83E-06	4930422G04Rik,Ktn1,Depdc1b,Kif2a,Mki67,Wdr3,Cep192,Tcerg1,Rest,Ahctf1,Mcm4,Ppid,Cenph,Tll1,Cand1,Agxt2l2,De nr,Dusp5,Gtf2h2,Ptpn2,Ewsr1,Myo1b,Pttg1,Gins4,Ilgav,Phf17,Mmd,2810055F11Rik,Tk1,Nme4,Hat1,Pole,lws1,311000 3A17Rik,Esco2,Actl6a,Slc43a3,Nav3,Lmnbl1,Tacc3,Cep170,Ppwd1,Me2,Hells,Cebp2,Dock5,Dnajc9,Ecd
mmu-miR-34c	49(1239)	7,41E-06	Pcm1,Mtmr4,Gmnn,Prpf40a,Tnnt2,Ctsw,Ythdf2,Noc4I,Exosc8,Casp3,Acad2,Tuba1c,Slc29a1,Cep152,B230120H23Rik,Bz w2,Ncapd3,Ptpn12,Slco4a1,Snw1,Pif1,Eno3,Nme4,Nt5c3l,Paip1,Pigf,Igf2bp1,Ppif,Gemin8,Apitd1,Ahcy,Nsmce4a,Cdkn2 c,Usp37,Foxp1,Ssrp1,Nav3,Lmnbl1,ElI2,Fmnl3,Litaf,Dtymk,Arhgap19,Ppwd1,Rpl13a,Zfp281,Ccdc18,Ezh2,2810408A11Ri k
mmu-miR-27b*	41(1239)	7,47E-06	Asph,Rbm26,Erc6I,Impa2,Als2cr12,Slc11a2,Cct7,Ebf2,Pgk1,Dbr1,Msh3,Pcna,Prsc1,Zmym1,1700029F09Rik,Gjc1,B2301 20H23Rik,Ube2c,Snrpa1,Spc25,Satb2,Rsbn1,Sgms1,Prpf38a,Gins4,Hspa4I,Syt17,Cdca3,Wdr55,Cct3,Eif4enif1,Xpo1,Nutf 2,Nudc,Tnks2,Ch25h,Nav3,Fancd2,Nob1,Rpl13a,Tmpo
mmu-miR-7b	46(1239)	7,95E-06	Prim2,Rbmxt7,Snx7,Plk4,2610101N10Rik,Ptpre,Parp1,Nt5dc2,Slc11a2,Fndc4,Tmem173,Cdk2,Brca1,Msh3,Prsc1,Pdk3,A bcb1b,Cep152,Ncapd3,Snrpa1,Ptgs2,Rps9,Cul4b,Tial1,Asxl1,Rfc5,Gli3,Slc9a3r1,Tpx2,Rsf1,Cct3,Xpo1,Neto2,Topbp1,Fbln 1,Pbk,Bnc2,Ssrp1,Nav3,2610027L16Rik,Psmd5,Utp11,Hells,Pou2f1,Cdc73,Eif2s1
mmu-miR-125b-3p	51(1239)	7,97E-06	Nedd4I,Gata2,D19Bwg1357e,Gmnn,Mum1,Nipsnap1,Dnmt1,Aurka,Ahctf1,Impdh2,Por,Cdk2,Adamts7,Ppid,Msh3,Etf1, Tll1,Myc,Egfr,Pde1a,Cep152,Eif4a3,Kif21a,Troap,Ptpn2,Casp8,H2- K1,Crebzf,Prpf38a,Rnaseh2a,Gli2,Pprc1,Ith2,Trit1,Prmt5,Neto2,Wdr73,Dapp1,5730559C18Rik,Mcm2,B3galnt1,Mcm6, Cd14,Gprc5c,Figl1,Mre11a,Rasal2,2610027L16Rik,Phc2,Tpbp,Eftud2
mmu-let-7g	51(1239)	8,21E-06	Phf6,Rcc2,Birc5,Ktn1,Elf2,Dsn1,Prdx4,Lrig3,Kif4,Bub3,Rdx,Pgm1,Riok2,Gspt1,Epc2,Tll4,Casp3,Acad2,Tubb5,Rrm2,Fbxo 5,Myc,Slc19a1,Eme1,2610039C10Rik,Abcb1b,Cep152,Casc5,Bzw2,Polr2b,Imp3,Ptn12,Espl1,Bub1b,Nme4,Mtm1,Qars, Pvr13,Nudt21,Kif2c,Actl6a,Slc43a3,Spc24,Bhlhb9,D16Erd472e,Nob1,1110004E09Rik,Ddx39,Ezh2,Kif23,Tcf4
mmu-miR-10b*	41(1239)	8,70E-06	Impa2,Whsc1,Ppih,Rpl7a,Riok2,Ube2e3,Pom121,Parp1,Slc11a2,Casp3,Hdac2,Fbxo5,Dbr1,Zfp184,Larp7,Eme1,Gins1,Dh odh,Ccnf,Cul4b,Rsbn1,Sbno1,Lrrk1,Hnga2,Gli2,Apitd1,Kcnk2,U2af2,Nsmce4a,Ilf3,Ddx20,Mycn,Syne2,Lmnbl1,Cenpk,Pp wd1,Mast4,1110004E09Rik,Phlda1,Arf6,Cirh1a
mmu-miR-200b*	40(1239)	8,72E-06	Ahsa1,Phf6,Trim24,Whsc1,Tcf19,Gemin6,Swap70,Cep192,Cct7,Fen1,Ppid,Pgk1,Cenph,Cbfb,2610039C10Rik,Dusp5,Abc b1b,Set,Cul4b,Rmi1,Lrrk1,Mcm10,Pprc1,2610301G19Rik,Mpp6,Pvr13,Exosc2,Slco1a5,Impa1,Lmnbl1,Stmn1,Dcbl1,Rfc2, Cenpk,Egfl7,Cdh10,Cdt1,Smyd5,Eps8,Tdrkh
mmu-miR-686	42(1239)	8,72E-06	Phf6,Timeless,Rcc2,Prim2,Cbx2,Wdr3,D2Wsu81e,Fkbp5,Prim1,Brca1,Tuba1c,Usp34,Zmynd19,Eme1,Slc25a5,Imp3,Pnpt 1,Rpl12,Ewsr1,Rbm25,Npm1,Cep70,Nmral1,Igfs3,Ints7,Isg20l2,3110003A17Rik,Trp53bp2,Limd2,Lrig1,Cnmh4,Apitd1,Kc nk2,Prmt5,Suv39h2,Mcm6,Hirip3,Ppwd1,Th1,Phlda1,Incenp,Fanc
mmu-miR-22*	40(1239)	9,45E-06	Tnpo1,Skp2,Nol9,Mybbp1a,2010002N04Rik,Ddx52,Mthfd1,Fen1,Ppid,Cdca2,Slc29a1,Gppb1,Pcnt,Sgms1,Gtf2h2,H2- K1,Tial1,Cobll1,Kars,Larp4,Bub1b,Pprc1,Unc13c,Gli3,2610301G19Rik,Paip1,Chd2,Cenpn,Trp53bp2,Topbp1,Zrsr2,Wdr73 ,Syne2,Slc43a3,Incenp,Pou2f1,Nsl1,Tmpo,Cdc73,Eftud2
mmu-miR-197	43(1239)	1,01E-05	Nck2,Pcm1,Rbm26,2700050L05Rik,Nol9,Eef1g,Mki67,Prpf19,Ddx27,Ddx52,Xpo7,Ptpre,Msh6,Taf5I,Nfrkb,Rnps1,Scarb1, Cdc25a,Pde1a,Ctnna1,Chst1,Rad51c,Ptgs2,Pcnt,X99384,Polr1,Traip,E330009J07Rik,Gli2,Dbf4,Trit1,Exosc2,Sertad1,Anp 32b,Cep55,Syne2,E330016A19Rik,Rasal2,Eif4h,Phlda1,Wdhd1,Terf1,Wdr36
mmu-miR-485*	38(1239)	1,01E-05	Rbm26,Clns1a,Prx,Upf3b,Mum1,Plk4,Ctsw,Nrp1,Slc11a2,Fxn,Nfyb,Mcm3,Rab15,Ncapd3,Pcnt,2210018M11Rik,Rpl12,K ars,Espl1,Zfp53a,Axl,Sip1,Pvr13,Nudt21,Socs6,Gnl3,Nsmce4a,Cnot6,Nav3,Rpl4,Dcbl1,Lrrc8c,Etv5,Polr2,Egfl7,Fanc, Kif2 3,Socs4
mmu-miR-220	53(1239)	1,01E-05	H2afv,Cenpc1,Tnpo1,D19Bwg1357e,Depdc1b,Nol9,Spred2,Acly,Ddx52,Xpo7,Nrf1,Mad2l1,Fkbp5,Nrp1,2510012J08Rik,S ltm,Taf5I,Enpp1,Gins1,Ncapd2,Ncapd3,Kif21a,Imp3,Ddx51,Depdc1a,Ipo7,Tardbp,Nap1l1,F630043A04Rik,Mbd4,Wee1, Unc5c,Hat1,Plxnb1,2810025M15Rik,Fzd3,Racgap1,Fgd3,Ss18,Eif4enif1,Trpc2,Slco1a5,Ilf3,Gprc5c,Dcbl1,Rasal2,Polr2, Nsl1,Cebpz,Slc4a7,Wdr36,1810011O10Rik,Pogz
mmu-miR-206	42(1239)	1,14E-05	Nedd4I,Asph,Prim2,Ktn1,Fubp1,Pspc1,Cep192,Elp2,Pgm1,Aspm,Ilf2,Cdc5I,Myef2,Hspd1,Nol10,Zw10,Pla2g4a,Pde1a,Slc 25a5,Adss,Zfp217,Satb2,Casp8,Polr1,Dhx15,Rasa1,Snrpd1,Dbf4,Sumo2,Pvr13,3110003A17Rik,Jub,Cenpe,Ss18,Tpm3,Ac tl6a,Plscr1,Rcl1,Cnn3,Cdca7,Fancb,Cebpz
mmu-miR-708*	38(1239)	1,14E-05	Nono,Cenpc1,Mtmr4,Ktn1,Fus,Prpf19,Ddx27,Myef2,Casp3,Blm,Tgif1,Sfpq,Rpl30,Gins1,Ccnb2,Rps9,Satb2,H2afy,Fanca, Tial1,Pttg1,Usp3,E330009J07Rik,Bub1b,Pigf,Cct3,Nde1,Cenpl,Impa1,Dapp1,Cnot6,Bhlhb9,Cdca8,Whsc2,Incenp,Zfp281, Ccdc18,Smc4
mmu-miR-202-3p	45(1239)	1,16E-05	Snx5,Nedd4I,Ahsa1,Erc6I,Zfp334,Kif2a,Dnmt1,Ddx52,Lcorl,Dusp9,Tuba1c,Fbxo5,Klhdc2,Pde1a,Gins1,2610039C10Rik,P dk3,1700029F09Rik,Casc5,Ccrn4,Spc25,Ihd2,Cul4b,Pnpt1,Prpf38a,Sf3a1,Nusap1,Ilgav,Nr2f2,2810055F11Rik,Nme4,Nt5 c3l,Hat1,Pvr13,3110003A17Rik,Abhd10,Actl6a,H2afz,Cep55,Ddx10,Abi2,Rcl1,Dtymk,Eif2s1,Socs4
mmu-miR-704	42(1239)	1,28E-05	Arhgap22,Cenpc1,Ilf205,Depdc1b,Nme1,Plk1,Smpd13b,Dctd,Ccne1,Mnd1,Rpl7a,Vil1,Tmem176b,Gspt1,Mrps6,Cdca2,Se tx,Pla2g4a,Larp7,Pde1a,1700029F09Rik,Zc3h8,Shcbp1,Cng2,Sbno1,Tial1,Cbx3,Wdr75,Syt17,Mbd4,Rank4,Wdr55,Isg20 l2,Rbmxt2,Cnmh4,Tpp2,Rcl1,Dtymk,Arhgap19,Th1,Ppa1,Rbpj
mmu-miR-503*	33(1239)	1,32E-05	Caprin1,Kif2a,Tnnt2,Ccne1,Rdx,D2Wsu81e,E2f8,Tiam2,Impdh2,Taf5I,Lcorl,Lsm2,Klhdc2,Cep152,Shcbp1,Pnpt1,U bqln2,Gins4,2810055F11Rik,Tk1,Cep70,Nme4,Patzi1,Tpm3,Foxp1,Nav3,Mcm6,Cep170,Atrx,Incenp,Gart,Ccdc18
mmu-miR-341	44(1239)	1,32E-05	Timeless,Rnmt,Depdc1b,Cks1b,Wdr82,Dctd,Egr3,Dis3,Nt5dc2,2510012J08Rik,Ppil5,Zw10,Nfrkb,Rnps1,BC055324,Fnbp 1l,Cand1,Agxt2l2,Zmym1,Hmgb3,Setx,Lig1,Satb2,Nfx1,Nupl1,Ncam1,Gins4,Gli2,Snrpd1,Egr1,Rank4,Clsn,Tipin,Xpo1,To pbp1,Cdkn2c,Dapp1,Anp32b,Nav3,Specc1,Dtymk,Utp11,Tmpo,Dnajc9

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-127*	34(1239)	1,37E-05	Nck2, Mtmr4, Fosl1, Nrf1, Nrp1, Sltm, Impdh2, Mthfd1, Etf1, Zic1, Myc, Cand1, Pik3c2a, Hmgb3, Pde1a, Cbx1, Kif20a, Gppb1, Scrib, Rad54l, E330009J07Rik, Sema4b, Hmgb2, Snrpd1, Rbbp8, Wdr73, 2410016O06Rik, Mycn, Rpl13a, Pcf11, Khdrbs1, Ezh2, Uhrf1, Mrpl18
mmu-miR-674	46(1239)	1,40E-05	1110012J17Rik, Ranbp1, Socs5, Prx, Fhl2, Dkc1, Las1l, Aurkb, Wdr5, 1110020G09Rik, Dnmt1, Ilf2, Adamts7, Ttyh3, Cdca2, Scarb1, Hmgb3, Cbx1, Psmc3ip, Usp14, Sdad1, Zc3h8, Cul4b, Parp12, Hbs1, Crebzf, Fanca, Palld, Usp6nl, Hmga2, Sumo2, Psm14, Hat1, Ptlad1, Cct3, Slco1a5, Ilf3, Cdkn2c, Plekha5, Spp1, Nol11, Pebp1, Gart, H2afy2, Gtse1, Kif23
mmu-miR-592	40(1239)	1,58E-05	Pcm1, Ctsw, Ccne1, Atad2, 1110020G09Rik, Ythdf2, Rbbp7, Vrk3, Nrp1, Tmem48, Ppid, BC055324, Luc7l, Aftph, Enpp1, Setx, Pde1a, Chst1, Psmc3ip, Casc5, Cobll1, Dhx15, 2810474O19Rik, E330009J07Rik, Nfx1, Mmd, Neil3, Magoh, Rbm17, Clspn, Fgd3, Sertad1, Synj2, Ch25h, Ddx20, Impa1, Spc24, Pola2, Gmeb1, Hnrpd1
mmu-miR-99a	45(1239)	1,66E-05	Sap30, Ahsa1, Arhgap22, Pak1, Plk1, Ythdf2, Noc4l, Rbbp7, Cdc5l, Mrps6, Impdh2, BC055324, Luc7l, Zic1, Ccgc99, Slc29a1, Eme1, 2610039C10Rik, Prpf4, Chuk, Supt16h, Casc5, Arl6ip6, Hn1l, Ccng2, Stoml2, Trim25, Nupl1, 1110034A24Rik, Anp32e, Cep70, Mkk, Jgsf3, Fgf7, Anln, Bbs12, Apatd1, Smarca5, Wdr73, Osmr, Mcm2, Rrad, Fmnl3, Nol11, E130308A19Rik
mmu-miR-582-3p	43(1239)	1,82E-05	Ercc6l, Errf1, Hspa8, Smpd3b, Sassi6, Emb, Ddx46, Pgm1, Utp15, Dis3, Ahctf1, 2510012J08Rik, Schip1, Msh3, Rrm1, Smek1, Ncapg2, Lbr, Mbtps2, Ccnb1, Snrpa1, Gsg2, Acl3, Kars, Usp3, 1110054O05Rik, Neil3, Arid4b, Pkp2, Casp8ap2, Dut, Slc38a1, Gemin8, Topbp1, Eif5, Mboat2, Mcm6, Dtymk, Ptpb2, Ptger4, Khdrbs1, Slc4a7, Eps8
mmu-miR-883b-5p	50(1239)	1,88E-05	Shmt1, Lrrc45, Fhl2, Nup37, Ogrfl1, Txnrd1, Prpf19, Mnd1, Emb, Ddx27, Tpd52, Bcl10, Aspm, Vrk3, Yme11, Ttl4, Impdh2, Psip1, Agxt2l2, Rrm1, Ccgc99, Egfr, Hmgb3, Pkn3, Ccnb2, Cep152, Cul4b, Parp12, Prpf4b, 2210018M11Rik, Cdc7, Bub1b, Itgav, Tk1, Psm14, Cct3, Mphosph10, 4933427D14Rik, Tnks2, Cdkn2c, Dapp1, Plekha5, Spp1, Eil2, Fmnl3, B3galnt1, Bhlhb9, Col7a1, Ppww1, Cdh10
mmu-miR-16*	36(1239)	2,10E-05	Etaa1, Ktn1, Fhl2, Steap1, Taf5, Kif2a, Ccne1, Sassi6, Mnd1, Pgm1, E2f8, Cdc5l, Ythdc1, Kif18a, Tmem48, Utp18, Klhd2c, Pcnla, Gins1, Abcb1b, Shcbp1, Polr2b, Suz12, Neil3, Nme4, Hat1, Zrsr2, Eif5, Tpp2, Esf1, Twistnb, Smu1, Gart, Ccgc18, Tmpo, Fanc
mmu-miR-100	43(1239)	2,11E-05	Ahsa1, Timm8a1, Arhgap22, Impa2, Birc5, Plk1, Noc4l, Tyw3, Mrps6, Impdh2, Usp10, Wdr77, Fnbp1, Zic1, Slc29a1, Eme1, Prpf4, Chuk, Supt16h, Casc5, Set, Ccng2, Imp3, Stoml2, Trim25, Nupl1, Cep70, Mkk, Anln, Bbs12, Apatd1, Smarca5, Mcm2, Rrad, Spc24, Fmnl3, A1848100, Nol11, Smu1, Hells, E130308A19Rik, H2afy2, Pogz
mmu-miR-574-3p	47(1239)	2,20E-05	Ahsa1, Pcm1, Eil1, Dnaja2, Mcm5, Cks1b, Plk1, Prdx4, Noc4l, Rbbp7, Msh2, Nrp1, Por, Sfpq, Wdr77, Hspa14, Cct2, Pkn3, Psmc3ip, Slix4, Dusp6, 2310057M21Rik, Gli2, Nfx1, Syt17, Hn1, Pkp2, Psm14, Plxnb1, Apatd1, Mlf1ip, Ddx31, Wdr73, Sertad1, Rbm14, Usp37, Impa1, Lmnb2, Plekha5, Yes1, Ociad2, Actr3, Gprc5c, Dcbl1, Col7a1, Cep170, Arf6
mmu-miR-698	41(1239)	2,37E-05	2810046L04Rik, Tgif2, Ncaph, 1110012J17Rik, Pop1, Rcc2, Crim1, Pole2, Ppih, U90926, Noc4l, Nrf1, Ttl4, Cdca5, Cct7, Lsm2, Lig1, Set, Cul4b, Gtf2h2, H2-K1, Ssb, Hmga2, Slc9a3r1, Ctsh, Exosc2, Cenpf, Tinf2, Prkg2, Nutf2, Wdr73, Cacna1c, Plekha5, 2610027L16Rik, Cd300lb, Zfp281, Gpsm2, H2afy2, Smyd5, Eftud2, 2810408A11Rik
mmu-miR-744*	36(1239)	2,38E-05	Nck2, Wdr3, Rpl7a, Rdx, Vrk3, Ythdc1, Lrp8, Lsm2, Msh3, Cand1, Eef1e1, Slc25a5, Thsd7a, Psmc3ip, Crif1, Ewsr1, Nasp, Cbx3, Col ec12, 1110034A24Rik, Cep70, Unc5c, Pvr13, Tmem49, Cct3, Mybl2, BC016423, Trpc2, Sertad1, Nsmce4a, Pkmyt1, Thoc2, Ddx39, Etv4, Cdca8, Smyd5
mmu-miR-345-3p	42(1239)	2,39E-05	Arhgap22, Atad2, Ripk2, Sassi6, Ddx27, Ptpre, Cdc5l, Hsp1, Slc11a2, Zw10, Lrp8, Pdap1, BC055324, Mcm3, Scarb1, Pla2g4a, Abcb1b, Casp2, Imp3, H2-K1, Depdc1a, Traip, Usp3, Itgav, Ptk7, Prpf3, Nt5c3l, Zfp619, Gnl3, Rbm14, Dapp1, Plekha5, Spp1, Esf1, Gprc5c, Fancd2, E330016A19Rik, Etv4, Cdca8, Incenp, Egfl7, Ppa1
mmu-miR-453	41(1239)	2,54E-05	Lrrc45, Whsc1, Lgl1, Mapk8, Noc4l, Cep192, Ddx52, Xkr5, Sin3a, Por, Fen1, Tuba1c, Sox11, Msh3, Agxt2l2, Usp34, Slc25a5, Cbx1, Gjc1, Runx2, Sgms1, Pola1, Bub1b, Hspa4l, Pprc1, 2810055F11Rik, Melk, Tpx2, Trp53bp2, Cct3, Cnnm4, Tbx3, Apatd1, Neto2, Dapp1, Pkmyt1, 5730559C18Rik, Rrad, Specc1, 2610027L16Rik, Cdca7
mmu-miR-696	42(1239)	2,57E-05	Lrrc45, Arhgap22, Prkar2b, Pwp2, Lgl1, Hmnr, Gemin6, Dctd, Ruvbl1, Nrf1, Ank3, Nrp1, Acaa2, Por, Rnps1, Nup93, Usp10, Nfatc2ip, Armc8, Agxt2l2, Lin9, Stip1, Chst1, H2afy, Kars, Gli2, Nfx1, Arid4b, Tpx2, Cachd1, Mpp6, Cenpn, 4933427D14Rik, Slc43a1, Bhlhb9, Rcl1, Psm15, Pdss1, Ppa1, Ltbp1, Cdh10, Siva1
mmu-miR-200a*	38(1239)	2,64E-05	Thap2, Ahsa1, Trim24, Whsc1, Cep192, Cct7, Aebp2, Dbr1, 2610039C10Rik, Abcb1b, Set, Smc5, Rpl12, Sf3a1, Palld, Mcm10, Ubqln2, Pprc1, Pank4, Exosc2, Smc2, Slco1a5, Lmnb2, Lmnb1, Esf1, Stmn1, Specc1, Dcbl1, Rfc2, Cenpk, Map4k5, 1700025G04Rik, Egfl7, Gpsm2, Cdh10, Cdt1, Smyd5, Eps8
mmu-let-7b	50(1239)	2,65E-05	Arhgap22, Rcc2, Dffb, Prkar2b, Birc5, Dsn1, Prdx4, Lrig3, Noc4l, Nuf2, Ttl4, Casp3, Prim1, Tubb5, Cct7, Myc, Slc19a1, Eme1, Cep152, Npn2, Bzw2, Iqgap3, Dusp6, Pcnt, Idh2, X99384, Sgms1, Dhx15, Espl1, Nme4, Pole, Qars, Pvr13, Prps1, Kif2c, Soat1, Plscr1, Spc24, Akap8, Fbxo32, Nob1, 1110004E09Rik, Ddx39, Sf3a3, Pcf11, Ezh2, Fancb, Kif23, Zcchc11, Eps8
mmu-miR-28	42(1239)	2,85E-05	Etaa1, Whsc1, Plk1, Cep192, Riok2, Als2cr12, Vrk3, Zw10, Snrpb, Luc7l, Emg1, Gins1, Set, Ncapd3, Gsg2, Satb2, Imp3, H2-K1, Ssb, Cdca4, Tk1, Mbd4, Trit1, Pigf, Pvr13, Slc38a1, Abhd10, Ttc3, Nudc, Apatd1, Ddx31, Pbk, Nsmce4a, Yes1, Ssrp1, Specc1, Nob1, Trub1, Incenp, E130308A19Rik, Cdt1, Mrpl18
mmu-miR-19a*	35(1239)	3,01E-05	Nck2, Lrrc45, Gemin4, Vegfc, Impa2, Caprin1, Skp2, Snx7, Zfp57, Pspc1, 1110020G09Rik, Cdc5l, Wsb1, Dhx36, Sin3a, D2Erd750e, Cenph, Sgo1, 2610039C10Rik, Hbs1l, Nxf1, Lyar, 2810055F11Rik, Nudc, Actl6a, Cdkn2c, Spp1, Pum2, Rasal2, 2610027L16Rik, Gmeb1, Ppa1, Nsl1, Tmpo, Mrpl18
mmu-miR-186*	35(1239)	3,13E-05	2810046L04Rik, Asph, Fus, Dctd, Sassi6, Cenpo, Pgm1, 2510012J08Rik, Mcm3, Cdca2, Egfr, Usp, 2610039C10Rik, Scrib, Sgms1, Ptgcs3, D10Wsu102e, Itgav, Top2a, Arid4b, Slc9a3r1, Cachd1, Tinf2, Nudc, Mastl, Plscr1, Nudt14, Gprc5c, Hirip3, Cep170, Nek2, Gmeb1, Tmpo, H2afy2, Kif23
mmu-miR-210	44(1239)	3,53E-05	Rcc2, Prim2, Vegfc, Med4, Ddx27, Dnmt1, Xpo7, Xkr5, Msh6, Tomm70a, Blm, Adamts7, Snrpb, Tuba1c, Armc8, Enpp1, Ppil1, Ctbp2, Pik3c2a, Eif4a3, Zfp217, Imp3, Nupl1, Pif1, Gli2, Neil3, Sumo2, Aifm1, Cenpn, Slc38a1, Cct3, Rfc3, Tpm3, Lmnb2, Cct8, Slc43a1, Syne2, Trub1, 2610027L16Rik, Tex10, Gmeb1, Ltbp1, Gtse1, Eps8
mmu-miR-713	42(1239)	3,54E-05	Lrrc45, 2700050L05Rik, Mcm5, Impa2, Plk1, Fubp1, 1110020G09Rik, Srpkl, Bcl10, Aspm, Xkr5, Ilf2, Adamts7, Brca1, Cdca2, Cbx1, 2700029M09Rik, Casp2, Ccnf, Pola1, Prpf4b, E330009J07Rik, Itgav, Trit1, Psm14, Ankrd28, Pvr13, Trp53bp2, Gnl3, Nucks1, Tpm3, U2af2, 2410016O06Rik, Ilf3, Zcchc8, Thoc2, Incenp, Gart, Egfl7, H2afy2, Fanc, 2010204K13Rik
mmu-miR-201	42(1239)	3,79E-05	D19Bwg1357e, Taf5, Zfp606, Sassi6, Kif4, Elp2, Cdc5l, Rnps1, BC055324, Mcm3, Lsm2, Etf1, Enpp1, Cdc25a, Ung, Trim28, Abcb1b, Dhodh, Frat2, Zfp217, Pcnt, Satb2, Zfp54, Cdc7, Hspa4l, 2810055F11Rik, Adsl, Snrpg, Egr1, Nudt21, Fbln1, Trpc2, Sertad1, Mboat2, Yes1, Ddx10, Dcbl1, Rfc2, Bcl2l11, Gart, Tmpo, Slc4a7
mmu-miR-16	46(1239)	3,97E-05	Ncaph, Diap3, Depdc1b, Mum1, Spag5, Ccne1, Mnd1, Msh2, Ppat, Fkbp5, Ythdc1, Wsb1, Mrps6, Tubb5, Tuba1c, Hspa14, Ung, Ncapg2, Psmc3ip, Cep152, Kif21a, Shcbp1, Fbl, Asf1b, Ipo7, Smndc1, Card10, Ncaph2, Top2a, Wee1, Psm14, Fzd3, Clspn, Rad51a, Bcl1, BC016423, Pthr2, Mastl, Cep55, E330016A19Rik, Mast4, Vbp1, Ddx39, Rad51, Nxt1, Dnajc9, 1810011010Rik
mmu-miR-299*	33(1239)	3,98E-05	Dhx9, Gmnn, Nup37, Setdb2, Ddx46, Riok2, Cdc5l, Als2cr12, Tmem48, BC055324, Myc, Eef1e1, Slc19a1, Pkn3, Pnpt1, Rpl12, Rad54l, Ckap2, Nt5c3l, Hat1, Abhd10, Dus3l, Mlf1ip, Wdr73, Mboat2, Cep55, 2610027L16Rik, Erh, Pola2, Rad51, Ccgc18, Ecd, Dlx1

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-758	43(1239)	4,18E-05	Gata2,Cks1b,Cbx2,Utp15,Parp1,Rnf138,Taf5l,Myc,Sms,Cep57,Enpp1,Egfr,Pla2g4a,Lig1,Ncapd3,Zc3h8,Smc5,Pcnt,Cul4b,Parp12,Troap,H2-K1,Cdc7,Gins4,4930579G24Rik,Dbf4,Rfc5,Melk,Hat1,Gnl3,Ahcy,Prc1,Ssrp1,Lmnb1,Pum2,Litaf,Ppww1,Thoc2,Erh,H2afy2,Cdt1,2810408A11Rik,Cirh1a
mmu-miR-203	38(1239)	4,18E-05	Nedd4l,Rbm26,Cenpc1,Nup54,Erc6l,Skp2,Steap1,Kif2a,Prpf19,Tes,Mrps22,Pspc1,Myef2,Pdap1,Cct7,Dusp5,Scrib,Polad1,Crebzf,Ssb,Slco4a1,Csnk1a1,Snw1,Snrpd1,Gli3,Plgf,Fgf7,Neto2,Pbk,Actl6a,Synj2,Cdkn2c,Bhlhb9,Whsc2,H2afy2,2010204K13Rik,Dnajc9,Ecd
mmu-miR-218-2*	39(1239)	4,23E-05	Nono,Chd1,Vegfc,Skp2,Cks1b,Pak1,Hmmr,Mnd1,Rpl7a,Aurka,Cdc27,Impdh2,Prim1,Hspa14,Ccdc99,Zmynd19,Cbx1,Abcb1b,Iqgap3,Cdca4,Nfx1,Dbf4,Prpf3,Nmral1,Pppb,Cct3,Hmgn1,Trpc2,Yes1,Rrad,Specc1,Dcbld1,Tacc3,Ppww1,Polad2,Timp1,Ccdc18,Slc4a7,Socs4
mmu-miR-181a-2*	41(1239)	4,30E-05	Lrrc45,Prpf31,Rbm26,Dffb,H2afv,Nol9,Mki67,Prpf19,Nap114,Emb,Egr3,Ythdc1,Socs3,Tmem173,Zic1,Enpp1,Dusp4,Dusp5,Ctnna1,Ankrd10,Bzw2,Sbk1,Ppp1cc,Ran,Rpa2,Mpp6,Exosc2,Lrig1,Abhd10,Patz1,Neto2,4930427A07Rik,G3bp1,Cdc40,Cdkn2c,Actr3,Trub1,Snrpb2,Thoc2,Wdhd1,Ecd
mmu-miR-140	45(1239)	4,39E-05	Ncaph,Clns1a,Pwp2,Acly,Ctsw,Wdr3,Smc6,Tpd52,Egr2,Tmem176b,Hspd1,Mrps6,Tgif1,Fen1,Ppid,Usp10,Pgk1,Cenph,Cand1,Lin9,Slc19a1,Rasa3,Cep152,Mbtps2,Cul4b,Pprrc1,Wee1,Nme4,Runx1,Nt5c3l,Chd2,Pole,Igfsf3,2410042D21Rik,Nudc,Esco2,Dapp1,Cep55,Slc43a3,Lmnb1,Fmnl3,Bcl2l11,Cebpz,Ecd,Kif23
mmu-miR-362-5p	43(1239)	4,44E-05	Eef1g,Cks1b,Sass6,Ncl,Kif11,1110020G09Rik,Bub3,Ddx52,Parp1,Ythdc1,Usp34,Dhodh,Usp14,Crlf1,Zfp217,Hbs1l,Ptpn2,Pnpt1,Hyal2,Stoml2,Asf1b,Npm1,Tead2,Cep70,Runx1,Paip1,Zwilch,Ptcd3,Ube2t,Cct3,Xpo1,Nutf2,Ttc3,Nudc,Specc1,Polad2,Whsc2,Rad51,H2afy2,Terf1,Slc4a7,Zcchc11,Cirh1a
mmu-miR-497	45(1239)	4,51E-05	Tgif2,Depdc1b,Taf5,Pak1,Ccne1,Mnd1,Cep192,Msh2,Fkbp5,Cdca5,Mrps6,Cenph,Cdc25a,Ung,Cep152,Mpzl1,Sdad1,Shc1bp1,Sgms1,Metap1,Nusap1,Zfp54,Uchl5,Sema4b,Cdca4,Wee1,Fzd3,Ppif,Limd2,Prmt5,Synj2,Ssrp1,Cnot6,Stmn1,Eif4h,Ddx39,1700025G04Rik,Pcf11,Pepp1,Ccdc18,463243411Rik,Nxt1,Gtse1,Ecd,Wdr36
mmu-miR-324-3p	49(1239)	4,52E-05	Fmr1,Nedd4l,Whsc1,D19Bwg1357e,Ccbe1,Hspa8,Nol9,Elf2,9030617003Rik,Nipsnap1,Med4,Riok2,Xpo7,Msh2,Fxn,Impdh2,Nfrkb,Junb,Luc7l,Msh3,Cbfb,Enpp1,Stip1,Emg1,Pkn3,Zfp217,Sbk1,Hyal2,Asf1b,Csnk1a1,Cdca4,Mcpt8,Mkx,Ddx11,Clsn1,Patn1,Ch25h,5730559C18Rik,Syne2,Fmnl3,Pafah1b3,Col7a1,Thl1,Eif4h,Rad51,Terf1,Lif,Mrpl18,1810011010Rik
mmu-miR-466d-5p	56(1239)	4,64E-05	2810046L04Rik,Cdca7l,Dffb,Prim2,Impa2,Dhx9,Mum1,Ctsw,Phactr4,Ddx27,E2f8,Msh6,Mtf2,Lcorl,Armc8,Aftph,Lin9,Ctbp2,Pik3c2a,Cd2ap,Pla2g4a,Usp34,Brd8,Npn2,Kntc1,Zfp217,Kif21a,Pcnt,Gtf2h2,Sbk1,Lrrk1,Nupl1,Snw1,Pif1,Neil3,Syt17,Sumo2,Cenpn,Ddx11,Casp8ap2,Nde1,Casp6,Gnl3,Usp37,Prc1,Cct8,Bnc2,Plscr1,Slc43a1,Rrad,Sp24,Akap8,Cenpc,1700025G04Rik,Cdca8,Ltbp1
mmu-miR-324-5p	48(1239)	4,73E-05	Ncaph,Asph,Arhgap22,Impa2,D19Bwg1357e,Ufp3b,Ogfr1,Plk1,Ddx21,Ccne1,Cep192,Ptpre,Nol10,Apex2,Mcm3,Lsm2,Nfatc2ip,Luc7l,Glul,Slc19a1,Cep152,Rad51c,Set,Sf3a1,Sema4b,Top2a,Snrpd1,Unc5c,Gli3,Aifm1,Kin,Melk,Chd2,Pigf,Qars,Sox4,Gemin8,Zfp619,Mcm7,Synj2,Mycn,Ssrp1,Syne2,Rrad,Rsrc2,Nek2,Rab8b,Fancc
mmu-let-7d	48(1239)	5,03E-05	Tmem39b,Rcc2,Tnpo1,Prkar2b,Birc5,Ktn1,Dsn1,Mki67,Rangap1,Lrig3,Atad2,Noc4,Ube2e3,Tll4,Prim1,Tubb5,Myc,Eme1,2610039C10Rik,Cep152,Casc5,Bzw2,Dusp6,Pcnt,Sgms1,Gtf2h2,Espl1,Bub1b,1110034A24Rik,Nme4,Qars,Sip1,Prps1,Kif2c,Dus3l,Mcm7,Synj2,Plscr1,Akap8,D16Ert472e,Nob1,1110004E09Rik,Ddx39,Sf3a3,Ezh2,Kif23,Hnrpd1,Zcchc11
mmu-miR-325*	34(1239)	5,22E-05	Prim2,Prx,Amd1,Atad2,Sass6,Kif4,Tcerg1,Ilf2,Nrp1,Sgol2,Mrps6,Sltm,Acaa2,Tuba1c,Stip1,Zmynd1,Pde1a,Matr3,1700029F09Rik,U2af1,Casp2,Zfp451,Kpna2,Pprrc1,Snrpd1,Nme4,Cachd1,Trpc2,Ddx20,Mre11a,Ptbp2,Atrx,2610027L16Rik,Nsl1
mmu-miR-764-5p	46(1239)	5,38E-05	Etaa1,Mcm5,Ctsw,Ccne1,Msh2,D2Wsu81e,Zc3h15,Tll4,Tmem48,Cpsf4,Junb,Armc8,Nudt1,Gpd2,Rrm1,Ppil1,Zmynd19,Cbx1,Lig1,Ijh2,Tslp,H2afy,Ewrs1,Rnaseh2a,Nt5c3l,Pole,Trp53bp2,Slc38a1,Cct3,Kcnk2,Tpm3,Polr3b,Synj2,Usp37,Cnot6,Mcm6,Rsrc2,Ppww1,Whsc2,Me2,Incenp,463243411Rik,Ezh2,Fancc,ift74,Eftud2
mmu-miR-876-5p	40(1239)	5,61E-05	4930422G04Rik,Glrx,Zfp606,Nipsnap1,Bub3,Xkr5,Mad2l1,Dhx36,Ctbp2,Zmynd1,Pde1a,Eme1,Rasa3,Usp14,Lig1,Sdad1,Ube2c,Gnb4,Ptpn2,Sf3a1,Igav,Phf17,Snrpg,Mcpt8,Unc5c,Ctsh,Net1,Ints7,3110003A17Rik,Nutf2,Smc2,Chtf18,Nsmce4a,Cnot6,Lmnb1,Dtymk,Cep170,Hells,Arf6,Ecd
mmu-miR-335-3p	35(1239)	6,06E-05	Prpf31,Ilf205,Prdx4,Cpsf6,Kif4,Fubp1,Nipsnap1,Ddx52,Gspt1,Tmem48,Sltm,Cct7,Fbxo5,Zfp184,Eef1e1,Pde1a,Ccnb2,Gtf2h2,Vrk1,Depdc1a,Tial1,Lyar,Zfp451,Syt17,Pvrl3,3110003A17Rik,Tacc3,Nol11,Smu1,Cebpz,Cenpi,Cdc73,Eftud2,Wdr36,Pogz
mmu-miR-574-5p	44(1239)	6,08E-05	2810046L04Rik,Pcm1,Prim2,Prdx4,Phactr4,Fubp1,Bub1,Vil1,Mrps6,Acaa2,Dusp9,Nudt1,Pik3c2a,Pkn3,Gjc1,Chst1,Ccnb1,Kntc1,Pcnt,Lrrk1,Depdc1a,Tial1,Lyar,Nusap1,Slco4a1,Kpna2,Dimt1,Neil3,Sumo2,Nab2,Ptcd3,Qars,Prr11,Dus3l,Bnc2,Lmnb1,Cep170,Rpl13a,1110004E09Rik,Psm5d,Pdss1,Tex10,Cdca8,Ltbp1
mmu-let-7a	47(1239)	6,15E-05	Phf6,Rcc2,Birc5,Ktn1,Dsn1,Lrig3,Noc4l,Bub3,Nuf2,Tll4,Casp3,Prim1,Tubb5,Cct7,Fbxo5,Myc,Slc19a1,Trip13,Eme1,2610039C10Rik,Cep152,Dusp6,Pcnt,X99384,Gtf2h2,Dhx15,Espl1,Ckap2,Nme4,Psm14,Qars,Sip1,Pvrl3,Prps1,Mcm7,Actl6a,Akap8,D16Ert472e,Nob1,1110004E09Rik,Ddx39,Sf3a3,Ezh2,Fancc,Kif23,Hnrpd1,Zcchc11
mmu-miR-501-3p	46(1239)	6,90E-05	Nono,Ahsa1,Timeless,Rcc2,Prkar2b,Impa2,Whsc1,D19Bwg1357e,Spred2,Tnnt2,Smpd13b,Las1l,Cep192,Riok2,Ank3,Nol10,Por,Cct7,BC055324,Aftph,Gins1,Imp3,Ptpn2,Ppp1cc,Lrrk1,Rpl12,Palld,Hmgbl1,Ptges3,Adsl,Casp8ap2,3110003A17Rik,Lrig1,Zbtb12,Prmt5,Wdr73,Cdkn2c,Mycn,Syne2,Cenpc,Ptbp2,Gmeb1,Incenp,Gart,H2afy2,Rrs1
mmu-let-7e	47(1239)	6,95E-05	Arhgap22,Rcc2,Dffb,Birc5,Ktn1,Eef1g,Dsn1,Rangap1,Lrig3,Noc4l,Tll4,Prim1,Cct7,Myc,Slc19a1,Trip13,Eme1,Cep152,Casc5,Bzw2,Iqgap3,Dusp6,Pcnt,X99384,Dhx15,Espl1,Cdc7,Ckap2,1110034A24Rik,Nme4,Mtm1,Psm14,Qars,Sip1,Nudt21,Patn1,Mcm7,Akap8,Bhlhb9,Nob1,1110004E09Rik,Ddx39,Sf3a3,Ezh2,Fancc,Nxt1,Kif23
mmu-miR-699	43(1239)	7,73E-05	Nedd4l,Prkar2b,Mcm5,Marcks1l,Gmnn,Ctsw,Nipsnap1,D2Wsu81e,Casp3,Acaa2,Nfrkb,Gins2,Asxl3,Cep152,Bzw2,Iqgap3,Ncapd3,Sgms1,Wipf1,Slco4a1,Gli2,Rpa2,Nme4,Hat1,Pole,Pvrl3,Gemin8,Chtf18,Nsmce4a,Usp37,Ssrp1,Fmnl3,Rfc2,Dtymk,Ppww1,Rpl13a,Erh,Polad2,Pcf11,E130308A19Rik,Fancc,2810408A11Rik,Cirh1a
mmu-miR-340-3p	37(1239)	8,78E-05	Nck2,Nol9,Tgfb3,Ctsw,Txnrd1,Prpf19,Swap70,1110020G09Rik,Ddx27,Rbbp7,Msh2,Xkr5,Ruvbl1,Mad2l1,Tgif1,Cct7,Rnp1,Fen1,Zfp184,Cd2ap,Trip13,Zc3h8,Sgms1,Nxf1,Trim25,Sumo2,Nmral1,Zwilch,Kif2c,Lrig1,Rfc2,Trub1,Khdrbs1,Dock5,Smad5,Tcf4,Eps8
mmu-miR-199a-5p	47(1239)	8,88E-05	Nedd4l,2810046L04Rik,Asph,Pcm1,Sirt1,Prkar2b,Ktn1,Prpf40a,Ets1,Mum1,9030617003Rik,Rest,Ppat,Slc11a2,Mrps6,Tmem173,Hdac2,Tuba1c,Cd2ap,Emg1,Pde1a,Ccnb2,Abcb1b,Smc5,Imp3,Nasp,Cbx3,Spry2,Snw1,Phf17,Tpx2,Rbbp8,Magoh,Rbm17,Dut,Ss18,Dus3l,Foxp1,Mcm6,Sdpr,E330016A19Rik,Rcl1,Ppww1,Timp1,Nsl1,Eif2s1
mmu-miR-433*	33(1239)	9,52E-05	Hsp90aa1,Lrrc45,Dffb,Zfp52,Gemin6,Dcp1a,Kif11,1110020G09Rik,Msh2,Als2c12,Parp1,Vrk3,Fxn,Klhdc2,Usp34,Kif20a,Snrpa1,Recq4l,Traip,Ckap2,Snrpg,Chd2,2810025M15Rik,Clsn1,Lrig1,Dus3l,Trpc2,Plekha5,Ociad2,Me2,Ppa1,E130308A19Rik,Tpbg
mmu-miR-382	39(1239)	0,000101142	Marcks1l,Impa2,Ets1,Lrig3,Ddx27,Riok2,Tmem176b,Nuf2,Hspd1,Myc,Larp7,Pde1a,Matr3,Thsd7a,Baz1a,Hbs1l,Atad5,Tial1,Prpf38a,Trim25,Rasa1,E330009J07Rik,Ckap2,Paip1,Tpx2,Psm14,Chd2,Smchd1,Mastl,Plscr1,Dtymk,Hirip3,Cenpc,Utp11l,Pcf11,Dyrk3,Ppa1,Top1,1810011010Rik

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-322	42(1239)	0,000132095	6430527G18Rik,Tgif2,Spag5,Has2,Dcp1a,Ccne1,Cep192,Utp15,Ilf2,Fkbp5,Ythdc1,Wsb1,Mrps6,Ppil1,Rpl30,Cdc25a,Ncapd2,Shcbbp1,Rpl12,Acsl3,Wipf1,Nusap1,Spry2,Top2a,Psmd14,Trp53bp2,Slc38a1,Limd2,Clspn,Lrig1,Neto2,Rrad,Arhgap19,Vbp1,Ddx39,1700025G04Rik,Pcf11,Rad51,Pepp1,Fancc,Nxt1,Mrpl18
mmu-miR-10b	40(1239)	0,000136217	Gemin4,Birc5,Hspa8,Prpf19,5730590G19Rik,6720463M24Rik,Kif18a,Rnps1,Cand1,Sgol1,Scarb1,Smarce1,Ccdc99,Denr,Ncapd2,Eif4a3,Bzw2,Lrrk1,Traip,Tea2,Hn1,Igfsf3,Tipin,Patz1,Dus3l,Apitd1,Zbtb12,Tpm3,Osmr,Specc1,Abl2,Polad2,Rad51,C330027C09Rik,Pou2f1,Rbm12,Arf6,Cdh10,Gtse1,Kif23
mmu-miR-125b-5p	49(1239)	0,000145505	Ahsa1,Gata2,Ccbe1,Tcf19,Sass6,Pdia6,Fkbp5,Tox,Impdh2,Taf5l,Lcorl,Snrpb,Cdca2,Ash2l,Ccdc99,Rpl30,Cct2,Troap,Ptpn2,Rpl12,Tube1,Kars,Csnk1a1,Usp3,Colec12,Igav,Top2a,Tk1,Ith2,Racgap1,Ints7,Wdr55,Limd2,Cnmn4,Nudc,Wdr73,Synj2,Cdc40,Usp37,Dapp1,Fmnl3,Gprc5c,E330016A19Rik,Ppwd1,Snrpb2,Lifr,Phc2,Zfp281,Lif
mmu-miR-874	41(1239)	0,000147454	Nedd4l,Lrrc45,Arhgap22,H2afv,Elf1,Birc5,Eef1g,Plk1,Prpf19,Setdb2,Srpkl,Xpo7,Pom121,Por,Luc7l,Etf1,Cand1,Agxt2l2,Setx,Ncapd2,Kif21a,Rpl12,Slbp,Slco4a1,Phf17,Prpf3,Rfc5,Slc9a3r1,Trit1,Clspn,Dus3l,Nudc,4930427A07Rik,Lmn2,Tnrc6a,573059C18Rik,Abl2,Gprc5c,Ddx39,Gpsm2,Cirh1a
mmu-miR-697	41(1239)	0,000152014	Nup54,Rnmt,Hspa8,Mnd1,Kif11,Kif11,Pnn,Xpo7,Pdia6,Zc3h15,Por,Apex2,Pgk1,Nfatc2ip,Armc8,Tll1,Cand1,Sms,Chst1,Ccnb1,Set,Recql4,Stoml2,Tube1,Nusap1,Smndc1,Nr2f2,2610002M06Rik,Gli3,Ppbb,Ckap4,Pvrl3,Fgf7,Lub,Mybl2,Fancd2,Alkbh1,Rcl1,H2afy2,Nxt1,Ahcy1,Dnajc9
mmu-miR-125a-3p	48(1239)	0,000154285	Lrrc45,Impa2,Kif2a,Has2,Aurka,Msh2,Egr3,Fkbp5,Nrp1,Hspd1,Brca1,Snrpb,Aebp2,Ttyh3,Fnbp1,Rcc1,Stip1,Crlf1,Troap,Fbl,Slco4a1,Ncam1,Snw1,Bub1b,Nme4,Gli3,Aifm1,Ints7,Dut,Patz1,Bbs12,Ddx31,Neto2,Wdr73,Bnc2,Plscr1,Akap8,Ly75,Fancd2,Rcl1,Etv4,Khdrbs1,Cdca7,Ppa1,Nsl1,Smyd5,Eftud2,Smarcc1
mmu-miR-378	37(1239)	0,000159015	Ahsa1,Arhgap22,Prpf19,Las1,Nrf1,Fxn,Msh6,Lrp8,Fen1,Mcm3,Aebp2,Tll1,Cand1,Scarb1,Pkn3,Trim28,Imp3,Hyal2,Stoml2,Trim25,Asf1b,Nme4,Ctsh,3110003A17Rik,Gemin8,Ahcy,Trpc2,Nup155,Spp1,Slc43a3,Stmn1,Gprc5c,Fancd2,Rcl1,Egfl7,Cdca7,Rrs1
mmu-miR-296-3p	47(1239)	0,000159089	Ahsa1,Pcm1,Mybbp1a,Spag5,Ctsw,Phactr4,Mnd1,2010002N04Rik,Ddx27,Rpl7a,Tmem176b,Acaa2,Fndc4,Tmem173,Apex2,Pim3,Myc,Exo1,Psmc3ip,Cep152,Iqgap3,Troap,H2-K1,Bub1b,Pprc1,Prpf3,Nme4,Ctsh,Cachd1,Cenpn,Fzd3,Patz1,Ilf3,Ruvbl2,Pold1,Pum2,Bhlhb9,Cd14,Gprc5c,Dcbl1,Lifr,Zfp281,Ccdc18,Arf6,Nxt1,Gtse1,Zcchc11
mmu-miR-30b*	41(1239)	0,000160736	Lrrc45,Birc5,Fhl2,Elf2,Dkc1,Tnnt2,Spag5,Fubp1,Elp2,Mrps6,Lsm2,Luc7l,Eme1,Pdk3,Cbx1,Usp14,Spc25,Sgms1,Ppp1cc,Kars,Snrpg,Gli3,Aifm1,Cdca3,Fzd3,Cct3,Nutf2,Mif1ip,Sertad1,Slco1a5,Syne2,Cd14,Rcl1,Th1l,2610027L16Rik,Ddx39,Pepp1,Ppa1,Nsl1,Terf1,Eftud2
mmu-miR-122	41(1239)	0,00016566	Nedd4l,Tmem39b,Diap3,Lgl1,Kif2a,Wdr43,9030617O03Rik,Phactr4,Idh3a,Fubp1,Ube2e3,Tox,Hspd1,Msh6,Iftm3,Lcorl,Zic1,Nudt1,Agxt2l2,Crlf1,Ccnb1,Tial1,Lyar,Cobll1,Nusap1,Zfp54,Wdr75,Dbf4,Snrpg,Zcchc2,Qars,3110003A17Rik,Socs6,Tinf2,Ttc3,Usp37,Hirip3,Eif4h,Psm5,Dock5,Tpbp
mmu-miR-673-5p	44(1239)	0,000168658	Prpf31,Whsc1,Rnmt,Prpf19,Ccne1,Med4,Wdr3,Srpkl,Dnmt1,Tpd52,Fkbp5,Vrk3,Suv39h1,Mcm3,Luc7l,Abcb1b,Casc5,Zfp217,Pcnt,Gnb4,Sbno1,2210018M11Rik,Ewsr1,Nupl1,Bub1b,Cdca4,Ctsh,Hat1,Cenpn,Fzd3,Ppif,Kif2c,Patz1,Trpc2,Anp32b,Tnrc6a,Esf1,Rcl1,Mast4,Thoc2,Bcl2l11,Pou2f1,Ppa1,Smyd5
mmu-miR-692	33(1239)	0,00017341	Arhgap22,Nup54,D19Bwg1357e,Ktn1,Wdr3,Prim1,Aftph,Rrm1,Pde1a,Scrib,Smc5,2310057M21Rik,Zfp451,Fbl,Ran,Wdr75,F630043A04Rik,Stt3b,Polr3b,Synj2,Usp37,Bnc2,Spp1,Syne2,Stmn1,1110004E09Rik,Thoc2,Gart,Terf1,Cks2,2810408A11Rik,Smarcc1,Zcchc11
mmu-miR-17*	36(1239)	0,0001751	Asph,Depdc1b,Acly,Plk1,Idh3a,Tes,Emb,Srpkl,Lsm2,Armc8,Rab15,Emg1,Larp7,Zmynd19,Cbx1,Pkn3,Recql4,Hbs1l,Gtf2h2,Ptpn2,Tial1,Kars,Usp3,Ncaph2,E330009J07Rik,Cdc7,Mns1,Melk,Cenpf,Nav3,Rasal2,2610027L16Rik,Ccdc18,Pou2f1,Nxt1,Smyd5
mmu-miR-449b	43(1239)	0,000177646	Nedd4l,Notch1,Marcks1,Gmnn,Prpf40a,Tcf19,Tnnt2,Ctsw,Nipsnap1,Cdc5l,Ais2cr12,Gspt1,2510012J08Rik,Msh6,Casp3,Acaa2,Mcm3,Sgol1,Slc29a1,B230120H23Rik,Bzw2,Iqgap3,Sema4b,Pif1,Eno3,Nme4,Nt5c3l,Pole,Ppif,Gemin8,Actl6a,Nsmce4a,Usp37,Foxp1,Slc43a3,Rfc2,Arhgap19,Ppwd1,Rpl13a,Timp1,Zfp281,Ift74,Cirh1a
mmu-miR-15a	44(1239)	0,000183164	Ktn1,Depdc1b,Ccne1,Msh2,Mad2l1,Ppat,Fkbp5,Wsb1,Mrps6,Cenph,Cdc25a,Ung,Trip13,Cep152,Kif21a,Shcbbp1,Metap1,Palld,Nusap1,Usp3,Ncaph2,Cdca4,Top2a,Psmd14,Hat1,Ppif,Limd2,Clspn,Lrig1,Neto2,Pthr2,Ssrp1,Rrad,Stmn1,Specc1,Eif4h,Thoc2,Ddx39,Rad51,Hells,Ccdc18,Nxt1,Mrpl18,Ecd
mmu-miR-323-5p	44(1239)	0,000187503	6430527G18Rik,Arhgap22,Rnmt,Fosl1,Nipsnap1,Aurka,Myef2,Casp3,Cpsf4,Blm,Cand1,Rpl3,Slc19a1,Dusp5,Psmc3ip,Bzw2,Rad51c,E130303B06Rik,2310057M21Rik,H2afy,Nxf1,Cobll1,Slco4a1,Esp1l1,Ier2,Smc3,Gins4,Tea2,Rpa2,Nt5c3l,Pole,Prkg2,Trpc2,Gprc5c,Tacc3,Mast4,Nol11,Smu1,Rfc4,Dock5,Ecd,Eps8,Klf5,Dlx1
mmu-miR-133a	44(1239)	0,000187503	Tnfrsf18,Prpf31,Rcc2,H2afv,Elf2,Lrig3,1110020G09Rik,Riok2,6720463M24Rik,Egr3,D2Wsu81e,2510012J08Rik,Tll4,Acaa2,Prim1,Nudt1,Aftph,Ctbp2,B230120H23Rik,2700029M09Rik,Peg12,Rad54l,Chaf1b,Nmral1,Rad18,Ankr28,Sfxn1,Pvrl3,Cct3,Chtf18,Slco1a5,Usp37,Gprc5c,Rcl1,Ptbp2,Th1l,Rpl13a,Ddx39,Whsc2,Phlda1,H2afx,Phc2,Cebpz,Lif
mmu-miR-532-3p	45(1239)	0,0001881	2810046L04Rik,Lrrc45,Timeless,Pwp2,Whsc1,Tnnt2,Plk1,Rangap1,Nap1l4,Pspc1,Mapk8,Ddx27,Xpo7,Aspm,Egr3,Gspt1,Cyp26b1,Mrps6,Cpsf4,Pdap1,Zfp184,Zmym1,Ung,Cbx1,Pkn3,Chst1,Gpbb1,2700029M09Rik,Scrib,Ncapd3,Sf1,Sf3a1,Wipf1,Dbf4,Nab2,Magoh,Rsf1,Limd2,Xpo1,Zbtb12,Mcm2,Slc43a1,Rfc2,Mre11a,Th1l
mmu-miR-195	41(1239)	0,000209681	Ktn1,Spag5,Has2,Ccne1,Emb,Msh2,Egr3,Mrps6,Tubb5,Tuba1c,Aftph,Rpl30,Adss,Psmc3ip,Cep152,Usp14,Kif21a,Shcbbp1,Wipf1,Asf1b,Ipo7,Nupl1,Ncaph2,Cdca4,Top2a,Wee1,Psmd14,Pvrl3,Fzd3,Ppif,Clspn,Pthr2,Ssrp1,Arhgap19,Mast4,Ddx39,Whsc2,Rad51,Pepp1,Dnajc9,1810011O10Rik
mmu-let-7f	44(1239)	0,000217082	Phf6,Rcc2,Prkar2b,Birc5,Ktn1,Dsn1,Mki67,Lrig3,Noc4l,Bub3,Tll4,Casp3,Acaa2,Tubb5,Cct7,Cenph,Myc,2610039C10Rik,Cep152,Casc5,Dusp6,Gtf2h2,Dhx15,Esp1l1,Ckap2,1110034A24Rik,Nme4,Mtm1,Qars,Sip1,Pvrl3,Actl6a,Akap8,D16Erd472e,Nob1,1110004E09Rik,Ddx39,Sf3a3,Ezh2,Fancc,Nxt1,Kif23,Hnrpd1,Zcchc11
mmu-miR-701	39(1239)	0,000225321	Ncaph,Mtmr4,Impa2,Birc5,Skp2,Nol9,Ppif,Trim59,Emb,6720463M24Rik,Dis3,Tmem173,Pim3,Cct5,Luc7l,Klhdc2,Cand1,Ash2l,Chst1,Thsd7a,Mbtps2,Cul4b,Lrrk1,Prpf38a,Tube1,Gtpbp10,Hmgb2,Tk1,Limd2,Tbx3,Synj2,Bnc2,Cd14,Cenpk,Atrp,Pdss1,Incenp,Gtse1,Rbpj
mmu-miR-676	38(1239)	0,000244067	Lrrc45,Rnmt,Has2,2010002N04Rik,Rpl7a,Sltm,Nudt1,Csf1,Dusp5,Pcnt,Satb2,Troap,Ptpn2,Sbno1,Fanca,Hyal2,Phf17,Pprc1,Rpa2,Ptk7,Rfc5,Racgap1,Prps1,Chtf18,Dapp1,Tnrc6a,Arhgap19,Ppwd1,Psmd5,1700025G04Rik,Phlda1,Cebpz,E130308A19Rik,Tmpo,Nxt1,Smyd5,Ecd,Hnrpd1
mmu-miR-151-5p	43(1239)	0,000244255	Asph,H2afv,Tnnt2,Plk1,Ppif,Cenpo,Cep192,D2Wsu81e,Fkbp5,Vrk3,Adamts7,Cct7,Snrpb,Sox11,Luc7l,Cenph,Denr,Gins1,Gjc1,Eif4a3,Idh2,Imp3,Fanca,Prpf38a,Metap1,Hyal2,Hspa4l,Trit1,Nab2,Rbm17,Dus3l,Actl6a,Usp37,Ociad2,Esf1,Specc1,Cd14,Fancd2,Rfc2,Nob1,E130308A19Rik,Cdt1,Tpbp
mmu-miR-551b	37(1239)	0,000273668	Khsrp,Caprin1,Tcf19,Tnnt2,Acly,Dsn1,Plk1,Ccne1,Pank1,Slc11a2,Aebp2,Stip1,Usp14,Crlf1,Cul4b,Palld,Pttg1,Mbd4,2810025M15Rik,Cenpn,Igf2bp1,Exosc2,Tipin,Cnmn4,Nudc,Chtf18,BC016423,Dapp1,B3galnt1,Arhgap19,Mast4,Polad2,Cdca8,Me2,Pou2f1,2810408A11Rik,Smc4

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-343	36(1239)	0,000296538	Nck2,Ranbp1,Eef1g,Txnrd1,Dcp1a,Prpf19,Rangap1,Cep192,Egr2,Nrp1,Junb,Mcm3,Lsm2,Alad,Fbxo5,Sox11,Msh3,Ppil1,Stip1,Cbx1,Cttnna1,Micall2,Ccnb1,Recq4,Cul4b,2210018M11Rik,Hyal2,Rad54l,Ctsh,Slc38a1,Zbtb12,Rbm14,PolD3,Rrad,Lmbn1,Nob1
mmu-miR-365	43(1239)	0,000307166	Hsp90aa1,Dffb,Ktn1,Prpf40a,Ets1,Zfp606,9030617003Rik,Kif4,Cep192,Pgm1,D2Wsu81e,Ttl4,Zw10,Mrps6,Impdh2,BC055324,Brd8,Dtl,Crlf1,Ccrn4l,Ptpn2,Ppp1cc,Lrrk1,2210018M11Rik,Sf3a1,Snw1,Pprc1,Nme4,Mpp6,Cenpn,Igf2bp1,Soat1,Synj2,Ddx20,Tpp2,Ezf7,Nav3,Col7a1,Rsrc2,Cep170,Vbp1,1700025G04Rik,Lifr
mmu-miR-219	41(1239)	0,000308353	Shmt1,Lrrc45,Prim2,Trim24,Impa2,Ktn1,Tnnt2,Ddx27,Cep192,Pgm1,Ddx52,Zc3h15,Nrp1,Prim1,Msh3,Asxl3,Cdca2,Emg1,Pla2g4a,Ncapd2,Micall2,Polr2b,Imp3,Sbno1,Ssb,Cdc7,Topors,Ilgav,Ptk7,Rbm14,Foxp1,Bnc2,Slc43a3,Pum2,Rfp4,Zcchc8,Thoc2,Apex1,Ezh2,Nsl1,Cdc73
mmu-miR-199b*	35(1239)	0,000378307	2810046L04Rik,Sirt1,Ktn1,Ets1,Mum1,9030617003Rik,Setdb2,Aurkb,Ppat,Ythdc1,Zw10,Mrps6,Dhx36,Tuba1c,Emg1,Setx,Pde1a,Abcb1b,Smc5,Nasp,Cbx3,Spry2,Snw1,Tpx2,Rbbp8,Ddx11,Dut,Ss18,Dus3l,Foxp1,Rcl1,Ppww1,Timp1,Nsl1,TmpoArhgap22,Prkar2b,Gmnn,Fhl2,Nol9,Snx7,Mybbp1a,Kif11,Bcl10,Mad2l1,Sgol2,2510012J08Rik,Cpsf4,Sin3a,Por,Agxt2l2,S
mmu-miR-138	43(1239)	0,000385044	h3kbp1,Zfp36l2,Gins1,Cbx1,Rad51c,Set,E130303B06Rik,Kntc1,Snrpa1,Pcnt,2310057M21Rik,Troap,Prpf4b,Fanca,Zfp7,Cdca4,Hspa4l,Hmgb2,Ckap2,Rad18,Mtm1,Cachd1,Trp53bp2,Fgd3,2410016O06Rik,Ilf3,Ezh2
mmu-miR-31	41(1239)	0,000389615	Impa2,Prx,Ktn1,Taf5,Vps36,Mki67,Kif4,Ddx27,Elp2,Snrpb,Scarb1,Ung,Eme1,1700029F09Rik,Cbx1,Supt16h,Polr2b,PolA1,Hyal2,Esp1,Ptcd3,Slc38a1,Kif2c,Rps13,Mcm7,Prmt5,Topbp1,Pbk,Wdr73,Ilf3,Pkmyt1,Mboat2,Akap8,Fancd2,Tacc3,2610027L16Rik,Map4k5,Cdca8,Cdc73,Rbpj,Cirh1a
mmu-miR-465a-3p	43(1239)	0,000394454	Ncaph,Pwp2,Errfi1,4930422G04Rik,D19Bwg1357e,Mki67,Elp2,Ddx52,Egr3,Cdc5l,Mrps6,Acaa2,Agxt2l2,Pde1a,Slc25a5,Snrpa1,Recq4,Ankrd57,Cbx3,Nusap1,Kpna2,Phf17,F630043A04Rik,Gli3,Pigf,Slc38a1,Patz1,Prkg2,Tnks2,Slco1a5,Foxp1,Cd14,Gprc5c,Fancd2,Polad,Phlda1,Gart,Arf6,Terf1,Nxt1,Gtse1,Smarrc1,Eps8
mmu-miR-298	37(1239)	0,000397493	6430527G18Rik,Dffb,Prx,Fosl1,Ctsw,Ccne1,Rapgef2,Srpk1,Marcks,D2Wsu81e,Kif18a,Nol10,Ttl4,Impdh2,Lsm2,Tuba1c,Psrc1,Gsg2,Troap,Palld,Rad54l,2810474O19Rik,Pole,Ddx11,Sip1,Trpc2,Uspp37,Ssrp1,Pafah1b3,Cd14,Rfc2,Etv4,Apex1,Incenp,Gtse1,Smyd5,Kif23
mmu-miR-668	39(1239)	0,000400232	Asph,Birc5,Elf2,Dsn1,Strbp,Mup4,Por,Mcm3,Csf1,Enpp1,Psrc1,Setx,Trib1,Pde1a,Matr3,Gbbp1,Peg12,Lig1,Lrrk1,Sf3a1,Zfp451,Zfp7,2810055F11Rik,Pvrl3,4930427A07Rik,Fbln1,U2af2,Ociad2,Nav3,Fancd2,Mre11a,Cdca8,Whsc2,Zfp281,Wdh1,Cebpz,Fancd,AA408296,Zcchc11
mmu-miR-218-1*	34(1239)	0,000405049	Vegfc,Tcf19,Cks1b,Spag5,Ppih,Nap114,Nipsnap1,Noc4l,Ccdc45,Impdh2,Hspa14,Pla2g4a,Smek1,Zmynd19,Pkn3,Abcb1b,Ube2c,Gtf2h2,Traip,Tk1,Pbbp,Cachd1,Sox4,Gemin8,Patz1,Foxp1,Pum2,Mcm6,Gprc5c,Mre11a,Ppww1,Pou2f1,Arf6,Hnrpd1
mmu-miR-671-5p	44(1239)	0,000420598	Etaa1,Chd1,Tgif2,Ncaph,Tmem39b,Prpf31,Fhl2,Ctsw,Lrig3,Kl,Riok2,Pdia6,Xkr5,Cyp26b1,Nfrkb,Apex2,Brca1,Snrpb,Gpd2,Csf1,Ppil1,Slc19a1,Iqgap3,Troap,Lrrk1,Hmga2,Bub1b,Gins4,Eno3,Slc9a3r1,Zcchc2,Fgd3,Prcl1,H2afz,Ssrp1,Pold1,Mcm6,Fbxo32,Polad,Rad51,4632434l11Rik,Pou2f1,H2afy2,Slc4a7
mmu-miR-351	41(1239)	0,000432552	2810046L04Rik,Cdca7l,Tmem39b,Impa2,Ccbe1,Tcf19,Sass6,Aurka,Cpsf4,Impdh2,Fen1,Ash2l,Rpl30,Cdc25a,Rasa3,Scrib,Troap,Rpl12,Ewsr1,Asxl1,Hmgb2,Pprc1,Ith2,Ints7,Wdr55,Ppif,LimD2,Nudc,Wdr73,Synj2,Uspp37,Cacna1c,Syne2,Gprc5c,Rsrc2,Ppww1,Lifr,Etv4,Cdca8,Phc2,Kif23
mmu-miR-505	40(1239)	0,000446911	H2afv,Prim2,Dhx9,Upf3b,Kif4,Noc4l,Nrf1,Socs3,Tmem48,Sltm,Schip1,Lcorl,Mcm3,Luc7l,Ash2l,Ung,Smek1,Lig1,HnrpII,Gsg2,Ptpn2,Sbno1,Dhx15,Smndc1,Pprc1,Unc13c,Arid4b,Wdr55,Abhd10,Cdc40,Mycn,Syne2,Cep170,Lifr,Me2,Dyrk3,Gtse1,Mrpl18,Ecd,Hnrpd1
mmu-miR-15b*	33(1239)	0,000482158	Nup54,Rbmxrt,Whsc1,Ilf205,Kif2a,Sass6,Nipsnap1,Pgm1,Ddx52,Mup4,Tiam2,Utp18,Cdk2,Dbr1,Rpl30,Cul4b,Gtf2h2,Ewsr1,Hmga2,Dimt1,Gins4,Nfx1,Snrpd1,Pkp2,Hat1,Sip1,Pvrl3,Plscr1,Cd14,Psm5d,Thoc2,Cebpz,Cdc73
mmu-miR-106b*	32(1239)	0,00050362	Arhgap22,2700050L05Rik,H2afv,Dgcr8,Rnmt,Fhl2,Txnrd1,Med4,Ube2e3,Aspm,Vil1,Zw10,Zmynd19,Crlf1,Hbs1l,Zfp451,Slco4a1,Myo1b,Colec12,Uchl5,Pprc1,Pank4,Anln,Cenpf,Fbln1,Wdr73,Sertad1,Ociad2,Ssrp1,Abi2,Gart,Ppa1
mmu-miR-742*	29(1239)	0,000565771	Prdx4,Dctd,U90926,Cdc5l,Myef2,Cep68,Nuf2,Luc7l,Armc8,Sgol1,BC031781,4930547N16Rik,Crlf1,Set,Hmgb1,Esp1,E330009J07Rik,2810055F11Rik,Rpa2,Pkp2,Psm14,Nab2,Lrig1,Wdr73,Gas2l3,Ilf3,Eif5,Rasal2,Slc4a7
mmu-miR-18a	43(1239)	0,000587408	Arhgap22,Pole2,Spag5,Dsn1,Egr3,D2Wsu81e,Ilf2,Ttl4,Cdk2,Cenph,Uspp37,Rad51c,Troap,Gtf2h2,Ptpn2,2210018M11Rik,Fanca,Prpf38a,Nupl1,Kpna2,Ccna2,Wee1,Hn1,Nme4,Arid4b,Cenpa,Pigf,Anln,Mcm7,Neto2,Pbk,Ahcy,Actl6a,Mastl,Cdkn2c,Foxp1,Mycn,Ociad2,Cnot6,Stmn1,Cnn3,Ivns1abp,Rbm12
mmu-miR-540-3p	46(1239)	0,00061465	Ahsa1,D19Bwg1357e,Ilg1l,Mum1,Mybbp1a,Mki67,Nap114,Aurkb,Zfp57,Pom121,Egr2,Tmem176b,Sltm,Blm,Dhx36,Pim3,Rrm2,Agxt2l2,Ccdc99,Egrf,Setx,Slc25a5,Scrib,Hbs1l,Prpf38a,Cbx3,Hmgb1,Nusap1,Ptcd3,Axl,Racgap1,Jub,Tpm3,Cdkn2c,Pkmyt1,Mboat2,Ociad2,Nav3,Rfc2,Tacc3,Polad,Cdca8,Arf6,2010204K13Rik,Eftud2,Eps8
mmu-miR-204	37(1239)	0,000618892	Birc5,Ilf205,Ktn1,Taf5,Pak1,Prpf19,Cenpo,Mad2l1,Ilf2,Sltm,Sox11,Cdca2,Eef1e1,Zmynd19,Abcb1b,Rad54l,Zwilch,Cenpn,Exosc2,Patz1,Kcnk2,Synj2,Ssrp1,Slc43a1,Spc24,Pum2,Dcblid1,Zcchc8,2610027L16Rik,Thoc2,Fancd,Cdc73,Terf1,Gtse1,1810011O10Rik,Vash2,Pogz
mmu-miR-490	40(1239)	0,000642919	H2afv,Prkar2b,Pwp2,Gmnn,Mybbp1a,Spag5,Lrig3,Xkr5,Tyw3,Mrps6,Snrpb,Klhdc2,Ppil1,Crlf1,Rad51c,Gpr126,Hyal2,Pttg1,Kpna2,Colec12,Npm1,Tk1,Nt5c3l,Pkp2,Axl,Igf2bp1,Ppif,Dut,Cct3,Prkg2,Slco1a5,Rbm14,Syne2,Fancd2,Rasal2,Snrpb2,Incenp,Rbm12,Arf6,Rbpj
mmu-miR-879*	29(1239)	0,000647676	Pcm1,Vps36,Sgol2,Casp3,Dusp9,Aebp2,Myc,Cand1,Ccdc99,Zmynd19,Cbx1,Peg12,Parp12,Ccng2,Gtf2h2,Rpl12,Rbm25,Gins4,Ilgav,Top2a,Snrpg,Zwilch,Pigf,Tinf2,Polr3b,Mastl,Foxp1,Tacc3,Incenp
mmu-miR-331-5p	38(1239)	0,000670128	Shmt1,Nup54,Marcks1l,2810008M24Rik,Emb,Med4,Strbp,Cep192,Exosc8,Mrps6,Acaa2,Lsm2,Sgol1,Zfp184,Ppil1,Zmyml1,Cttnna1,Adss,Casc5,Ihd2,Sgms1,Prpf38a,Sumo2,3110003A17Rik,Rbmx2,Eif4enif1,Dus3l,4930427A07Rik,BC016423,Synj2,Gas2l3,Cct8,Slc43a3,Ddx10,Gprc5c,Ccdc18,4632434l11Rik,Cebpz
mmu-miR-412	35(1239)	0,000671058	Nck2,Impa2,D19Bwg1357e,Txnrd1,Rangap1,1110020G09Rik,Srpk1,Noc4l,E2f8,Nrp1,2510012J08Rik,Fxn,BC055324,Nup93,Scarb1,Dusp4,Pla2g4a,Ankrd10,Ccnf,Scrib,Smc5,Rps9,2310057M21Rik,Crebzf,Ncam1,Aifm1,Mp p6,Casp8ap2,Dapp1,Mcm2,Ddx39,Pcf11,Incenp,Kif23,Eps8
mmu-miR-188-5p	41(1239)	0,000684867	Lrrc45,Impa2,D19Bwg1357e,Eef1g,Plk1,Wdr3,Cit,Nol10,Ttl4,Mcm3,Lsm2,Nudt1,Rpl30,Ncapd2,Chuk,Tslp,Recq4l,Ptpn2,Wipf1,Rad54l,Sema4b,Pprc1,2610301G19Rik,Kin,Melk,Axl,Rbmx2,Eif4enif1,Pthr2,Synj2,Ilf3,Mboat2,Syne2,Akap8,Fancd2,Nob1,Rsrc2,Figl1,Cdca8,Ccdc18,Tpbp
mmu-miR-214*	30(1239)	0,000686236	Prpf31,Whsc1,Nol9,Kif2a,Wdr43,Ccne1,Msh2,Sgol2,Fxn,Cand1,Eme1,Ube2c,Palld,Ncaph2,Cdc7,Ilgav,Axl,Zbtb12,Kcnk2,Chtf18,Cdc40,Slc43a1,Rrad,Nudt14,C79407,Rcl1,Erh,Etv4,Pou2f1,Rbpj
mmu-miR-133b	42(1239)	0,000690067	Tnfaip8,Prpf31,Rcc2,H2afv,Elf2,Lrig3,1110020G09Rik,Pgm1,Riok2,6720463M24Rik,D2Wsu81e,2510012J08Rik,Prim1,Nudt1,Aftph,Cep57,Ctbp2,B230120H23Rik,2700029M09Rik,Peg12,X99384,Rad54l,Chaf1b,Nmral1,Rad18,Sfxn1,Pr11,Pvr13,Cct3,Chtf18,Slco1a5,Uspp37,Pold1,Gprc5c,Rcl1,Ptbp2,Th1l,Rpl13a,Whsc2,Phlda1,Cebpz,Lif

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-501-5p	38(1239)	0,000745255	1110012J17Rik, Tmem39b, Prim2, Nup54, Prkar2b, Errfi1, Rbmxrt, Cpsf2, Cks1b, Kif2a, Fubp1, 1110020G09Rik, Aspm, Tmem176b, 2510012J08Rik, Tmem173, BC055324, Pkg1, Casc5, Imp3, Ptpn22, Metap1, Rad54l, Slbp, Hmgb1, Spry2, Chaf1b, Nr2f2, Gli3, Igf2bp1, Ddx31, Stt3b, BC016423, Synj2, Cdc40, Atrx, 1700025G04Rik, H2afy2
mmu-miR-29b*	38(1239)	0,000765562	Smpd13b, Lrig3, Strbp, Cep192, Ddx46, Pdia6, Tox, Ttl4, Nfrkb, Brca1, D2Erd750e, Rrm2, Pkg1, Agxt2l2, Slc29a1, Bzw2, Ncapd3, Rsb1, Rpl12, Ewsr1, Stoml2, Slco4a1, Tardbp, Sema4b, Nr2f2, Eno3, 2810055F11Rik, 2810025M15Rik, Wdr55, Dut, Cct3, Dus3l, Sertad1, Mast4, Ddx39, Dyrk3, Rfc4, Wdr36
mmu-miR-202-5p	38(1239)	0,000809386	Etaa1, Errfi1, Rnmt, Zfp334, 2610101N10Rik, Nipsnap1, Rpl7a, Egr2, Nrp1, Wsb1, Apex2, D2Erd750e, Fnbp1l, Luc7l, Cenph, Cand1, Lbr, Mbtps2, Dusp6, Sgms1, Nusap1, Slco4a1, Klhl23, Hmgb2, Nr2f2, Snrpd1, Prpf3, Paip1, Ttc3, Apatd1, Ncapg, Ddx10, Mcm6, Abl2, Rasal2, Cep170, Hells, Wdr36
mmu-miR-875-5p	40(1239)	0,000810515	Taf5, Arhgap11a, Ctsw, Impdh2, Tgif1, Apex2, Nfyb, D2Erd750e, Lsm2, Fbxo5, Hspa14, Pik3c2a, Zmyrn1, Cbx1, Crif1, Set, Ncapd3, Spc25, Zfp54, Prpf3, Mcpt8, Gli3, Pkp2, Pvr13, Nudt21, 3110003A17Rik, Limd2, Abhd10, Mif1ip, Metap2, Ddx20, Ncapg, Prc1, P Iscr1, Rfc2, Cenpk, Cebpz, Fancf, Hnrpd1, Cirh1a
mmu-miR-150	38(1239)	0,000929707	6430527G18Rik, Tmem39b, Cenpc1, Ccbe1, Atad2, Elavl1, Egr2, Egr3, Ahctf1, Pdap1, Dhx36, Fen1, Etf1, Tll1, Nudt1, Rpl30, Cbx1, B230120H23Rik, Lig1, X99384, Imp3, Rpl12, Stoml2, Spry2, Nfx1, 3110003A17Rik, Exosc2, Ghr, Zrsr2, 2410016O06Rik, Dapp1, Anp32b, Gprc5c, Rsrc2, Stil, Incenp, Arf6, Dnajc9
mmu-miR-484	39(1239)	0,001022261	Ncaph, Arhgap22, Nup54, Dhx9, F2r1l, Plk1, Kif4, Aurka, Ddx52, Xpo7, Bcl10, Parp1, Por, Dusp9, Pim3, Exo1, Ppil1, Psrcl1, Ncapd2, Micall2, Lig1, Scrib, 2210018M11Rik, Nxf1, Asf1b, Ier2, E330009J07Rik, Rpa2, 2610301G19Rik, Cachd1, Jub, Tinf2, Zbtb12, Sertad1, Ilf3, Cacna1c, Ociad2, Stil, Hirip3
mmu-miR-15b	42(1239)	0,00106925	Tgif2, Diap3, Errfi1, Depdc1b, Ccne1, Pspc1, Cep192, Msh2, Ppat, Wsb1, Cdc5, Mrps6, Cct5, Cenph, Exo1, Cdc25a, Cep152, Kif21a, Shcbb1, Metap1, Nusap1, Spry2, Ncaph2, Cdca4, Top2a, Wee1, Psm14, Hat1, Ppif, Lrig1, Neto2, Pthr2, Ssrp1, Rrad, Stmn1, Mast4, Ddx39, 1700025G04Rik, Rad51, Khdrbs1, 4632434I11Rik, Ecd
mmu-miR-873	40(1239)	0,00108495	Tgif2, Dffb, Kif2a, Mum1, SASS6, Strbp, Xpo7, Pdia6, Als2cr12, Nuf2, Ythdc1, 2510012J08Rik, Fndc4, Por, Pkg1, Exo1, Enpp1, Matr3, Trim28, Dtl, Gsg2, Satb2, H2afy, Spred1, Pttg1, Cdc7, Bub1b, Neil3, Rfc5, Nt5c3, Slc9a3r1, Kif2c, Mphosph10, Xpo1, Apatd1, Wdr73, Lmnb1, Dcbl1d, Rpl13a, Etv4
mmu-miR-184	38(1239)	0,00115292	Ncaph, Cdca7l, Gemin4, Rbmxrt, Vegfc, Cenpj, Yme1l1, Cyp26b1, Pdap1, Dhx36, Apex2, Mthfd1, Snrpb, Fbxo5, Nudt1, Glul, Pkn3, Supt16h, Ube2c, Hbs1l, Tial1, Sfl1, E330009J07Rik, Cdc7, Hn1, Zcchc2, Psm14, Cenpn, Nudc, Cdkn2c, Tnrc6a, Slc43a3, Tacc3, Lifr, Phc2, Incenp, Cenpi, Dnajc9
mmu-miR-327	37(1239)	0,00116767	Nono, Prim2, Eef1g, Has2, Hmnr, Dctd, Aurka, Ddx52, Pdia6, 6720463M24Rik, Ruvbl1, Nol10, Ttl4, Pdap1, Prim1, Sfpq, Pkg1, Sgol1, Larp7, Gins1, Zfp217, Pcnt, Sgms1, Sf3a1, Snrpd1, Nme4, Gli3, Hat1, Plxn1, Cdca3, Mcm7, Lmnb1, Akap8, Ppwd1, Ezh2, Kif23, Eif2s1
mmu-miR-671-3p	42(1239)	0,00117544	Nedd4l, Lrrc45, Arhgap22, Prkar2b, Prx, Tcf19, Tnnt2, Plk1, Prpf19, Aurkb, Ttl4, Cdca5, Zw10, Pdap1, Cct7, Nudt1, Ccnf, Rad51c, Pcnt, Rps9, Cul4b, Imp3, Ddx51, Rpl12, Wipf1, Trim25, Ankrd57, Bub1b, Casp6, Zbtb12, Stt3b, Wdr73, Slc43a1, Fmnl3, Gprc5c, Cdca8, Pebp1, Ppa1, Ift74, Dock5, Smyd5, Eftud2
mmu-miR-741	32(1239)	0,00144426	Ncaph, D19Bwg1357e, Ifi205, Aurkb, Cenpj, Dnmt1, Rbbp7, Marcks, Ttl4, Acaa2, Brca1, BC055324, Myc, Agxt2l2, Sgol1, Rpl30, Sgms1, Prpf38a, Hyal2, Traip, E330009J07Rik, Ctsh, Pigf, Cdkn2c, Foxp1, Fancd2, Dtymk, Me2, 4632434I11Rik, Rfc4, Eftud2, Smc4
mmu-miR-376a*	33(1239)	0,001522292	Snx5, Tgif2, Sap30, Impa2, Nol9, Crim1, Pgm1, Riok2, Aspm, Ctcf, Pde1a, Eme1, Gsg2, Gtf2h2, Rpl12, Cobll1, Zfp7, Ncam1, E330009J07Rik, Unc5c, Pank4, Trit1, Tpx2, Fgf7, Stt3b, Ddx20, Tpp2, Plekha5, Spp1, Dtymk, Th1l, Nsl1, Rfc4
mmu-miR-761	38(1239)	0,00153692	Ahsa1, Fhl2, Eef1g, Kif2a, Cbx2, Egr3, Ttl4, Tmem48, Cpsf4, Acaa2, Tubb5, Sfpq, Cenph, Nudt1, Hmga1, Ung, Ncapd2, Pkn3, Psmc3ip, Crif1, Cobll1, Rasa1, Sema4b, Phf17, Wee1, Hn1, Cenpe, Fgd3, Mphosph10, Foxp1, Dapp1, Mcm6, Dcbl1d, Ddx39, Pola2, Gart, Ppa1, Dnajc9
mmu-miR-10a	37(1239)	0,00160729	Birc5, Hspa8, 6720463M24Rik, Ppat, Kif18a, Rnps1, Cand1, Scarb1, Smarca1, Ccdc99, Ncapd2, Bzw2, Atad5, Lrrk1, Ddx51, Prpf38a, Traip, Tead2, Hn1, Igsf3, Sip1, Slc38a1, Tipin, Dus3l, Apatd1, Zbtb12, 2410016O06Rik, Abl2, Pola2, C330027C09Rik, Ccdc18, Pou2f1, Arf6, Cdh10, Gtse1, Kif23, Eps8
mmu-miR-27a*	34(1239)	0,00173114	Zfp52, Kif4, 1110020G09Rik, Dnmt1, Ube2e3, Xkr5, Mcm4, Ttl4, Lsm2, Tll1, Pcn, Slc19a1, Gins1, Rad51c, Ssb, Rad54l, Gli2, Cep70, Nme4, Nt5c3l, Cdca3, Mphosph10, Patz1, Nutf2, Nudc, Tnks2, Eif5, Pafah1b3, Nob1, Pebp1, Ccdc18, Nxt1, Gtse1, Ahcy1
mmu-miR-146b*	29(1239)	0,00181783	Pwp2, Whsc1, Gmnn, Plk1, Ddx21, Rangap1, Fkbp5, Parp1, Zic1, Nudt1, Cdca2, Dtl, Lig1, Rad51c, Acl3, Sf3a1, Itgav, Unc13c, Mpcrt8, Ptdc3, Cdca3, Gemin8, Nudc, Pbk, Rfpl4, Ly75, Fancd2, Incenp, Fancf
mmu-miR-376c*	29(1239)	0,00181783	Tgif2, Sap30, Timm8a1, Gemin4, Ankrd32, Ifi205, Depdc1b, Cenpq, Dis3, Kif18a, Hspd1, Pkg1, Fbxo5, Dbr1, Sgol1, Slc25a5, Gtf2h2, Rpl12, Cobll1, Snrpd1, Snrpg, Anln, 3110003A17Rik, Usp37, Fbxo32, Cep170, Ppwd1, Pcf11, C330027C09Rik
mmu-miR-130b*	26(1239)	0,00182053	Arhgap22, H2afv, Ranbp1, Impa2, Kif4, 2010002N04Rik, 1110020G09Rik, Cbx1, Pkn3, Cul4b, Rpl12, Wipf1, Rad54l, Nr2f2, Nmra1l, Pkp2, Rps13, Sertad1, Nsmce4a, Pabpn1, Ssrp1, Spp1, Cenpk, Phlda1, Nsl1, Terf1
mmu-miR-30c-2*	38(1239)	0,00192144	H2afv, Dhx9, Eef1g, Dkc1, Ctsw, Cenpq, 1110020G09Rik, Ddx27, Pim3, Mcm3, Lsm2, Cand1, Rpl30, Slc25a5, Hyal2, Ier2, Cdc7, Gins4, Eno3, Pprc1, F630043A04Rik, Gli3, Trit1, Ckap4, Cdca3, Cct3, Dus3l, Nudc, Mcm7, Fbln1, Ahcy, Cdkn2c, Ociad2, Stmn1, Dcbl1, Rcl1, 2610027L16Rik, Ddx39
mmu-miR-763	38(1239)	0,00207108	Nck2, Whsc1, Eef1g, Lgl1, Dkc1, Spag5, Ctsw, SASS6, Paxip1, Egr3, Lrp8, Fen1, Snrpb, Nup93, Pkg1, Ddx18, Cct5, Luc7l, Zmynd19, Slc29a1, Rps9, H2afy, Hyal2, Wipf1, Ncaph2, Rpa2, Hn1, Pole, Pvr13, Apatd1, Bnc2, Pold1, Fancd2, Rfc2, Rcl1, Pou2f1, Ezh2, Eif2s1
mmu-miR-801	33(1239)	0,00217159	Prim2, Ercc6l, Fancm, Ankrd32, Depdc1b, Elf2, Tnnt2, Cenpq, Prpf19, Setdb2, Riok2, Tmem176b, D2Wsu81e, Tiam2, Gins1, Dtl, S atb2, Gtf2h2, Rpl12, Nupl1, Bub1b, Gins4, Top2a, Gli3, Ube2t, Ddx31, Plekha5, Dtymk, A1848100, Zfp281, Ezh2, Tmpo, Kif23
mmu-miR-681	37(1239)	0,00222667	Nck2, Gata2, Rcc2, Fhl2, Nol9, Lgl1, Wdr43, Ppih, Dnmt1, Xkr5, Egr3, Cdc5l, 2510012J08Rik, Tgif1, Cct7, Fen1, Gins2, Eef1e1, Pkn3, Eif4a3, 2700029M09Rik, Casc5, Ppp1cc, Depdc1a, Nxf1, Rad54l, Ncaph2, Sema4b, Ints5, Dus3l, Ddx31, Topbp1, 2410016O06Rik, Plekha5, Ssrp1, Nob1, Cdca8
mmu-miR-720	34(1239)	0,00224855	Ncaph, Lrrc45, D19Bwg1357e, Nol9, Zfp334, Has2, 1110020G09Rik, Dnmt1, 6720463M24Rik, D2Wsu81e, Cep68, Eme1, Dusp5, B230120H23Rik, Lig1, Scrib, Pcnt, Rpl12, Palld, Spry2, Rbm25, Aifm1, Racgap1, Prmt5, Sertad1, Ncapg, Rfc2, E330016A19Rik, Cenpk, Cnn3, Cebpz, Fancf, Eftud2, Hnrpd1
mmu-miR-193*	33(1239)	0,00254877	Pcm1, Whsc1, Hspa8, Nol9, Mybbp1a, Ctsw, Ets2, Fxn, Sltm, D2Erd750e, Snrpb, Pkg1, Exo1, Emg1, Eif4a3, Casc5, Satb2, Rsb1, Lrrk1, Fbl, Ckap2l, Cdc7, Top2a, Itih2, Slc38a1, Cdc40, Ddx20, Ssrp1, Cd14, Cenpk, Cnn3, Nxt1, Smyd5
mmu-miR-99b	36(1239)	0,00264801	Ahsa1, Arhgap22, Birc5, Pak1, Nap1l4, Ythdf2, Noc4l, 6720463M24Rik, Mrps6, Denr, Hmga1, Slc29a1, Eme1, 2610039C10Rik, Prpf4, Chuk, Supt16h, Ccnf, Cng2, Mtap, Stoml2, Trim25, Nupl1, Card10, Top2a, Cep70, Igsf3, Apatd1, Smarca5, Rrad, Fmnl3, Col1a1, Cdca8, Nol11, Cdca7, E130308A19Rik

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-718	33(1239)	0,00268076	Lrrc45,Ahsa1,Clns1a,Whsc1,Skp2,D19Bwg1357e,Egr3,Ank3,Ttl4,Cpsf4,Impdh2,Adamts7,Nfyb,Mcm3,Zic1,Nudt1,Slc29a1,Pkn3,Psmc3ip,E130303B06Rik,Lrrk1,Ncaph2,Gins4,Unc13c,Aifm1,Magoh,Mpp6,Igf2bp1,Lrig1,Zbtb12,Actf6a,E2f7,1700054N08Rik
mmu-miR-125a-5p	42(1239)	0,00272057	Asph,Tmem39b,Impa2,Ccbe1,Sass6,Setdb2,Elavl1,Pdia6,Impdh2,Cdca2,Rasa3,Troap,Ewsr1,Stoml2,Zfp451,Tube1,Usp3,Hmgb2,Top2a,Ith2,Ptk7,Arid4b,Racgap1,Wdr55,Limd2,Cenpf,Nudc,Zbtb12,Wdr73,Synj2,Usp37,Dapp1,Syne2,Fbxo32,Gprc5c,Arhgap19,Ppwd1,Al848100,Cdca8,Phc2,Zfp281,Lif
mmu-miR-147	37(1239)	0,00276382	Skp2,Plk1,Fubp1,Setdb2,Gspt1,Ttl4,Pim3,Mcm3,Nup93,Usp10,Cand1,Gjc1,Usp14,Kif21a,Baz1a,Idh2,Nasp,Nusap1,Topors,Ilgav,Ckap2,Rad18,Pank4,Hat1,Igf2bp1,Tinf2,Ilf3,Tnrc6a,E2f7,Arhgap19,Rpl13a,Cdca8,Cebpz,Fancc,Tpbg,Slc4a7,Vash2
mmu-miR-678	37(1239)	0,00282785	Sap30,Rcc2,Lrig3,Pank1,Kif4,1110020G09Rik,Mrps6,Sltm,Acaa2,Lsm2,Klhdc2,Agxt2l2,Zfp184,Emg1,Ncapd2,Eif4a3,Kif21a,Pcnt,Hbs1l,Imp3,H2-K1,Usp3,Sema4b,4930579G24Rik,Ctsh,Zwilch,Axl,Zrsr2,Ddx20,Mcm6,Fbxo32,Phlda1,Pepp1,Nxt1,Dock5,Eftud2,Slc4a7
mmu-miR-483*	29(1239)	0,00288978	Nono,Tgif2,F2rl1,Mum1,Prpf19,Tes,Nap1l4,Rcc1,Psrc1,Setx,Cbx1,Lig1,Ier2,Snw1,Tead2,Nr2f2,Egr1,Trit1,Cachd1,Jub,Tbx3,Rad51ap1,U2af2,Ssrp1,Gprc5c,Me2,Gart,Egfl7,2810408A11Rik
mmu-miR-683	35(1239)	0,00321053	Socs5,Skp2,Ppx,Dsn1,Srpk1,Rpl7a,Ilf2,Vrk3,Cbx1,Pkn3,Micall2,Gnb4,Rpl12,Palld,Rpa2,Slc9a3r1,Rbmx2,Limd2,Ss18,Prmt5,U2af2,Dapp1,Syne2,Dtymk,Hirip3,Rasal2,Cdca8,Phc2,Cebpz,Nxt1,Dock5,Rrs1,Eif2s1,1810011010Rik,Dlx1
mmu-miR-675-5p	40(1239)	0,00347685	6430527G18Rik,Dhx9,Mum1,Etv6,Tnnt2,Fus,Cep192,Elp2,Ruvbl1,Egr3,Dis3,Tmem48,Dusp9,Lsm2,Usp10,Pgk1,Zfp36l2,Emg1,Bzw2,Crlf1,Hn1l,Smgs1,Imp3,Ptpn2,Mtap,Fanca,Sf3a1,Cbx3,Snw1,Nme4,Runx1,Nt5c3l,Clsnp,Apitd1,Mcm7,Cdc40,Ilf3,Slc43a1,Etv5,Me2
mmu-miR-379	36(1239)	0,00352129	Impa2,Ccne1,Elp2,Ube2e3,Nrf1,Sgol2,Sin3a,Tmem173,Cct7,Pgk1,Tuba1c,Klhdc2,Trip13,Runx2,U2af1,Spc25,Crebzf,Acsl3,Slco4a1,Cdc7,Nme4,Unc5c,Mtm1,Tpx2,Zcchc2,Ppbb,Ints7,Xpo1,Prmt5,Tacc3,Text10,Lifr,Tmpo,Arf6,Dnajc9,Cirh1a
mmu-miR-485	35(1239)	0,00371071	Ncaph,Mum1,Ctsw,Srpk1,Fxn,Ddx18,Nfatc2ip,Eme1,Eif4a3,Scrib,E130303B06Rik,Tial1,Hyal2,Stoml2,Bub1b,Topors,Pprc1,Prpf3,2610301G19Rik,Pkp2,Mpp6,Cenpn,Pvrl3,Racgap1,Gemin8,Usp37,Rif1,Pkmyt1,Plekha5,Tnrc6a,Actr3,Ssrp1,Mr e11a,Th1l,Mrpl18
mmu-miR-431	35(1239)	0,00389142	Lrrc45,Gemin4,Dffb,Prim2,Impa2,Fhl2,Spred2,Crim1,Atad2,Ncl,Ythdf2,Dnmt1,Tcerg1,Mpzl1,Scrib,Recql4,Depdc1a,Fanca,Hmgbl1,Ran,Chaf1b,Ckap2l,Mns1,Pank4,Psm14,2810025M15Rik,Wdr55,Tpm3,Stt3b,Cacna1c,Dapp1,Litaf,Dtymk,Fancc,1810011010Rik
mmu-miR-299	34(1239)	0,00410008	Pcm1,Rcc2,Dnaja2,Fus,Ctsw,Ppib,Ddx27,Cdca5,Taf5l,Tmem173,Lsm2,Luc7l,Nudt1,Asxl3,Rpl30,Pdk3,Crlf1,Smc5,Smgs1,Myo1b,Rasa1,Nt5c3l,Ctsh,Pole,Tinf2,Eif4enif1,Rrad,Zcchc8,Dtymk,Ppwd1,Khdrbs1,Ltbp1,Terf1,Tcf4
mmu-miR-433	34(1239)	0,00463125	Arhgap22,Pcm1,Gemin6,Nipsnap1,Ncl,Cenpj,Aspm,Vil1,Ilf2,Zw10,Msh6,Mcm3,Asxl3,Ung,Pdk3,Iqgap3,Prpf38b,Troap,Gtf2h2,Depdc1a,Ewsr1,Usp3,Tarbdp,Syt17,Sfxn1,Pvrl3,Fgf7,Nutf2,Nsmce4a,Rfp4,Utp11l,Gart,E130308A19Rik,Cirh1a
mmu-miR-744	39(1239)	0,00478341	Nck2,Nedd4l,Ahsa1,Asph,Khsrp,Whsc1,Tnnt2,Ctsw,Plk1,Rangap1,Swap70,Dnmt1,Tmem176b,Ptpre,Zc3h15,Cit,2510012J08Rik,Acaa2,Por,Adamts7,Junb,Nudt1,Agxt2l2,Micall2,Snrpa1,Sbno1,Traip,Cdca4,Ckap2,Rpa2,Nt5c3l,2610301G19Rik,U2af2,E2f7,Nudt14,C79407,Nob1,Fancc,Nxt1
mmu-miR-136	32(1239)	0,00527562	Asph,Zfp292,Tnpo1,Amd1,Mki67,Mnd1,Nipsnap1,1110020G09Rik,Rpl7a,Nuf2,Dis3,Nrp1,Msh6,Msh3,Asxl3,Cep57,Setx,Ctnna1,2700029M09Rik,Casc5,Ccng2,Rpl12,Hyal2,2810474O19Rik,Ncam1,Pprc1,Zbtb12,Ddx20,Yes1,Pou2f1,Slc4a7,Soc s4
mmu-miR-345-5p	37(1239)	0,00537851	Arhgap22,Prpf19,Ank3,Slc11a2,Apex2,Mcm3,Snrbp,Nudt1,Scarb1,Slc29a1,Eme1,Bzw2,Crlf1,Ppp1cc,Wipf1,Spry2,Ier2,Bub1b,Nt5c3l,2610301G19Rik,Trit1,Igf2bp1,Tbx3,Chtf18,Prmt5,Ddx31,2410016O06Rik,Ssrp1,B3galnt1,Pafah1b3,Bhlhb9,Gprc5c,Col7a1,Eif4h,Ing5,Etv4,Fancc
mmu-miR-26b*	28(1239)	0,00550666	Upf3b,Ddx27,Nrp1,Pdap1,Lsm2,Klhdc2,Myc,Nudt1,Cdca2,Slc25a5,Ccnb2,Usp14,Smc5,Pcnt,Smgs1,Ilgav,Rfc5,Cenpf,Tinf2,Zbtb12,BC016423,Wdr73,Dapp1,Ociad2,Slc43a1,Spc24,Pou2f1,Nxt1
mmu-miR-187	34(1239)	0,00569729	Rbm26,Trim24,Dcp1a,1110020G09Rik,Pdap1,Lcorl,Nup93,Nfatc2ip,Etf1,Gins1,Ncapd3,Spc25,Hbs1l,Fanca,Tial1,Nasp,Wdr75,Phf17,Psm14,Wdr55,Limd2,Zfp619,Mcm7,Prc1,Mybn,Nav3,Bcl2l11,Cdca8,H2afx,Pou2f1,Cebpz,Fancc,Arf6,Terf1
mmu-miR-93*	31(1239)	0,00610769	Ercc6l,Whsc1,Depdc1b,Nol9,Mybbp1a,Aurkb,Ank3,Tmem48,Acaa2,Csf1,Sgol1,Mbtps2,Mpzl1,Lrrk1,Kars,Colec12,Bub1b,Zcchc2,Prr11,Slc38a1,Apitd1,Prmt5,Slc43a3,Specc1,Dtymk,Rsrc2,Trub1,Cdca8,Gmeb1,Cdca7,Eps8
mmu-miR-18b	38(1239)	0,00626237	Arhgap22,Diap3,Elf2,Spag5,2810008M24Rik,Egr3,D2Wsu81e,Por,Nudt1,Pde1a,Cbx1,Gtf2h2,Ptpn2,Casp8,2210018M11Rik,Fanca,Prpf38a,Nup11,Rasa1,Ccna2,Tk1,Hn1,Arid4b,Cenpa,Pigf,Mcm7,Ahcy,Actf6a,Mastl,Cdkn2c,Foxp1,Pkmyt1,Ociad2,Spc24,Eif4h,Cnn3,Rbm12,Nxt1
mmu-miR-679	33(1239)	0,00644399	Lrrc45,Gata2,Pcm1,H2afv,Eef1g,Prpf19,Kif4,Nipsnap1,Parp1,Taf5l,Brca1,BC055324,Snrbp,Idh2,Satb2,Rpl12,Sf3a1,Usp6nl,Tyms,Card10,Gtbbp10,Neil3,Tpx2,Pkp2,Psm14,2810025M15Rik,Pvrl3,Dut,Cct3,Cep170,1110004E09Rik,Nsl1,Kif5
mmu-miR-339-5p	36(1239)	0,00646342	Fmr1,Lrrc45,Gata2,Ell,Tcf19,Prpf19,1110020G09Rik,Xpo7,Dusp9,Msh3,Rrm1,Zmym1,Adss,Set,Ube2c,Fbl,E330009J07Rik,Cdc7,Phf17,Rfc5,Chd2,Prps1,Fgd3,Prkg2,Dus3l,Zbtb12,Sertad1,Cnot6,Slc43a1,Fmnl3,Pafah1b3,Gmeb1,Incenp,1700054N08Rik,Ltbp1,Gtse1
mmu-miR-688	34(1239)	0,00712087	Timeless,H2afv,Birc5,Prx,Dhx9,Mum1,Dcp1a,Cdc5l,Vrk3,Tubb5,Junb,BC055324,Pgk1,Ctbp2,Zmynd19,Slc29a1,Eme1,Ncapd2,Scrib,Ncapd3,2210018M11Rik,Sf3a1,Hat1,Pole,Mpp6,Slc43a1,Slc43a3,Gprc5c,Nob1,Myct1,E130308A19Rik,Tpbg,2810408A11Rik,Eps8
mmu-miR-667	36(1239)	0,00767968	Chd1,H2afv,Tnpo1,Ranbp1,Upf3b,Nsun2,Noc4l,Aurka,2510012J08Rik,Slc11a2,Rrm2,Cep57,Ppil1,Gjc1,Chst1,Set,Recql4,2210018M11Rik,Tead2,Phf17,Pprc1,Wee1,Nmral1,Nt5c3l,Tpx2,Igfs3,Gemin8,Prkg2,Dus3l,Dapp1,Mboat2,Gprc5c,Rfc2,Erh,Mrpl18,Hnrpd1
mmu-miR-541	31(1239)	0,00828323	Tcf19,Ctsw,Pgm1,Aspm,Vil1,Ruvbl1,Egr3,Vrk3,Slc11a2,Sltm,Lsm2,Ddx18,Tll1,Nudt1,Rcc1,2610039C10Rik,Lrrk1,Usp3,Sema4b,Mpp6,Rbm17,Qars,Mphosph10,Esco2,Tnks2,Plekha5,Fancc2,Gmeb1,Me2,Fancc,Eps8
mmu-miR-337-3p	34(1239)	0,00866691	Mttr4,Nol9,Tnnt2,Nipsnap1,Wdr3,Cep192,Ube2e3,Tll4,Msh6,Hdac2,Fnbp1l,Myc,Nudt1,Asxl3,Mbtps2,Spc25,Nxf1,Phf17,Pvrl3,3110003A17Rik,Rps13,Nutf2,Sertad1,2410016O06Rik,Foxp1,Plekha5,Tnrc6a,5730559C18Rik,Slc43a1,Syne2,Rpl13a,Al848100,Top1,Rbpj
mmu-miR-804	30(1239)	0,00917464	Nedd4l,Ahsa1,Pop1,Rbm26,Eef1g,Fosl1,Med4,Cep192,Mup4,Nuf2,Sltm,Luc7l,Rrm1,Ppil1,Psrc1,Gins1,Ppp1cc,Tead2,Snrpd1,Rpa2,Arid4b,Sip1,Fzd3,Bbs12,Polr3b,Plscr1,Esf1,Cd14,Rbm12,Kif23
mmu-miR-145*	24(1239)	0,0101009	Spag5,Lrig3,Vil1,D2Wsu81e,Msh6,Mcm3,Lsm2,Tuba1c,Ppil1,Usp34,Pcnt,Hyal2,Nxf1,Rad54l,Ubqln2,Nt5c3l,Kif2c,Cct3,Slc43a3,Pdss1,Gmeb1,Phlda1,Cebpz,Ecd
mmu-miR-331-3p	33(1239)	0,0102391	Lrrc45,Tmem39b,Wdr43,Fosl1,Plk1,D2Wsu81e,Pdap1,Fndc4,Por,Cdca2,E130303B06Rik,Idh2,2210018M11Rik,Rpl12,Sf3a1,E330009J07Rik,Sema4b,Gli2,Rpa2,Nme4,Gli3,Igfs3,Cdca3,Exosc2,Sox4,Fgd3,Prmt5,Trpc2,Synj2,Rbm14,Pold3,Dapp1,Tacc3

<i>miRNA name</i>	<i>Number of Genes</i>	<i>Corrected p-value</i>	<i>miRNA targets among genes repressed in Rasless cells (Table S1)</i>
mmu-miR-92a*	30(1239)	0,0107495	Ahsa1,Fhl2,Ruvbl1,Egr3,Por,Adamts7,Brc1,Sh3kbp1,Hmga1,2610039C10Rik,Psmc3ip,Pcnt,Rsbn1,Troap,Imp3,H2afy,Us p3,Cdca4,Tk1,Prpf3,Ints5,Patz1,Ociad2,Ssrp1,Ddx10,Tacc3,1110004E09Rik,Ddx39,Etv4,Gtse1
mmu-miR-339-3p	37(1239)	0,0110096	Lrrc45,Gemin4,Khsrp,Impa2,Ctsw,1110020G09Rik,Msh2,Ahctf1,Zw10,Tmem48,Mrps6,Pdap1,Brc1,Luc7l,Luc7l,Dusp4,Abcb1 b,Gbbp1,Ankr10,D1Bwg0212e,Casp2,Set,Ube2c,Nxf1,Unc5c,Zcchc2,Psm14,Clsn,Pat1,4930427A07Rik,Pkmyt1,Fmn l3,Trub1,Cdca8,Pcf11,Cdca7,Rbpj,Eps8
mmu-miR-101a*	27(1239)	0,0110715	Tmem39b,Cenpc1,Abi1,Rnmt,Prpf40a,Zfp334,Atad2,Ptpre,Mcm4,Cdca2,Cct2,Emg1,Gins1,Brd8,Runx2,E130303B06Rik, Prpf4b,Smndc1,Pttg1,Cdc7,Hmgb2,Anp32b,Actr3,Specc1,Lrrc8c,463243411Rik,Hnrpd1
mmu-miR-211	29(1239)	0,0136462	Prim2,Birc5,Caprin1,Ccbe1,Ktn1,Taf5,Prpf19,Nrf1,Slc11a2,Sltm,Cdca2,Eef1e1,Zmynd19,Abcb1b,Mbtps2,Rad54l,Egr1,Z wilch,Synj2,Ncapp,Ssrp1,Slc43a1,Sp24,Pum2,Zcchc8,2610027L16Rik,Phlda1,Cdc73,Pogz
mmu-miR-500	33(1239)	0,0139525	Nono,Asph,Timeless,Rcc2,Prkar2b,Impa2,Whsc1,D19Bwg1357e,Spred2,Tnnt2,Smpdl3b,Cep192,Riok2,Ank3,Cct7,BC055 324,Gins1,Imp3,Ptpn2,Prpf4b,Rpl12,Ptges3,Adsl,Casp8ap2,3110003A17Rik,Lrig1,Zbtb12,Wdr73,Cdkn2c,Foxp1,Syne2,G mebi1,H2afy2
mmu-miR-672	32(1239)	0,014562	1110012J17Rik,Pcm1,Dffb,Trim24,Mybbp1a,Dsn1,Trim59,1110020G09Rik,Cep192,Fxn,Casp3,Myc,Lin9,E130303B06Rik, Snrpa1,H2afy,Fanca,Kars,Gli2,Pprc1,Top2a,Neil3,Prpf3,Gli3,Ddx11,Kif2c,Cct3,2410016O06Rik,S730559C18Rik,Fancd2,T acc3,Eftud2
mmu-miR-205	33(1239)	0,0147824	Etaa1,Khsrp,Birc5,Nme1,Txnrd1,Rapgef2,Ruvbl1,Cdc5l,Vrk3,Apex2,Msh3,Hspa14,Nudt1,4930547N16Rik,Satb2,Rpl12,Ti al1,Hyal2,Tubea1,Pkp2,Pvrl3,Trp53bp2,Fgd3,Wdr73,Polr3b,Sertad1,Synj2,Gprc5c,Th1l,Thoc2,Cdca8,Phc2,Top1
mmu-miR-376b*	25(1239)	0,0161166	Tgif2,Sap30,Gemin4,Ankr32,Ifi205,Setdb2,Dis3,Kif18a,Dhx36,Dbr1,Gtf2h2,Pnpt1,Rpl12,Cobll1,Slco4a1,Snrpd1,Neil3,S nrpg,Melk,Anln,3110003A17Rik,2410042D21Rik,Fbxo32,Ppwd1,Pcf11
mmu-miR-666-3p	35(1239)	0,0163462	Ncaph,Lrrc45,Asph,Dgcr8,Lgl1,Txnrd1,Ppjh,Ripk2,Paxip1,Srpk1,Aurka,Ddx52,Mrps6,Pdap1,Armc8,2610039C10Rik,Cbx1 ,Runx2,Cul4b,Tial1,Wipf1,Trim25,Rbm25,Gli2,Nab2,Ankr28,Tnrc6a,Cep55,Ssrp1,Nob1,2610027L16Rik,Eif4h,Cdca8,Phc2,P ou2f1,Smyd5
mmu-miR-666-5p	37(1239)	0,0195319	Whsc1,Steap1,Mum1,Tnnt2,Ddx52,6720463M24Rik,Fxn,Tmem48,Pdap1,Snrpb,Ash2l,Rrm1,Cd2ap,Slc29a1,Cbx1,Lbr,Ps mc3ip,Gbbp1,U2af1,Pcnt,Sbno1,Lrrk1,Rpl12,Wipf1,E330009J07Rik,Hmga2,Slc9a3r1,Pank4,Pole,Apitd1,Pkmyt1,Slc43a1, E2f7,Nob1,Incenp,Wdhd1,Smc4
mmu-miR-764-3p	34(1239)	0,0199184	Ahsa1,Tmem39b,Birc5,Fhl2,Mum1,Ccne1,Setdb2,2010002N04Rik,Xkr5,Tmem176b,2510012J08Rik,Fndc4,Msh3,Larp7, Crif1,Rad51c,Casp8,H2afy,Ewsr1,Card10,Tead2,Runx1,Ube2t,Racgap1,Wdr73,Polr3b,Prc1,Rfc2,Tacc3,Cdca8,Pcf11,4632 43411Rik,Pou2f1,Eftud2
mmu-miR-882	28(1239)	0,0199293	H2afv,Impa2,Plk1,Smpdl3b,Nipsnap1,Cdc27,6720463M24Rik,Tmem176b,Lrp8,Tubb5,Por,Cdca2,Itgav,Tk1,Ckap4,28100 25M15Rik,Cdca3,Jub,Tinf2,Eif5,Dtymk,2610027L16Rik,Pola2,Apex1,Fancd,Cdh10,2010204K13Rik,Socs4
mmu-miR-30c-1*	33(1239)	0,0204517	H2afv,Dhx9,Upf3b,Dkc1,Ctsw,Cenpg,Ppjh,Nipsnap1,Ank3,Sgol2,Brc1,Pim3,Rpl30,Egfr,Eme1,Imp3,Ier2,Gins4,Eno3,Ppr c1,F630043A04Rik,Gli3,Aifm1,Trit1,Cdca3,Nutf2,Nudc,Mcm7,Ahcy,Cdkn2c,Stmn1,2610027L16Rik,Ecd
mmu-miR-370	33(1239)	0,0208062	Nedd4l,Arhgap22,Pwp2,Birc5,Nol9,Cks1b,Fosl1,Prpf19,Setdb2,Pdap1,Emg1,Zmynd19,Cbx1,Idh2,Fanca,Prpf38a,Hyal2,T raip,Usp3,Anp32e,Rsf1,Fgf7,Igf2bp1,Trp53bp2,Apitd1,4930427A07Rik,Wdr73,Ssrp1,Fbxo32,Dtymk,Rpl13a,Ahcy1,1810 011O10Rik
mmu-miR-127	30(1239)	0,0222202	2810046L04Rik,Ahsa1,Timeless,Arhgap22,Nol9,Lgl1,Glrx,Taf5,Sass6,Aurkb,Ddx27,Ruvbl1,Egr3,Rhobtb3,Impdh2,Nup93 ,Rsbn1,Ankr57,F630043A04Rik,Cachd1,Ttc3,Prmt5,Ddx31,Sertad1,Gprc5c,Rpl13a,2610027L16Rik,Pola2,Cdca8,Khdrbs 1
mmu-miR-423-5p	32(1239)	0,026779	Nedd4l,Depdc1b,Spred2,Ctsw,2010002N04Rik,Ddx52,Aspm,Myef2,Nol10,2510012J08Rik,Ttll4,Ifitm3,Tubb5,Adamts7, Msh3,Hmga1,Slc29a1,Trim28,Eif4a3,Iqgap3,Ube2c,Idh2,Asxl1,Snw1,Pat1,Ilf3,Gprc5c,Pola2,Egfl7,Gtse1,Smyd5,Kif23
mmu-miR-877	28(1239)	0,0269296	Sap30,Timeless,Ankr32,Eef1g,Ctsw,Prpf19,Wdr3,Zc3h15,Rnps1,Enpp1,Zmyrn1,Eif4a3,Mpzl1,Troap,Palld,Pprc1,Ints5,C dca3,Exosc2,Cct3,Dus3l,Actl6a,Usp37,Dapp1,Plscr1,Cd14,Hirip3,Cenpk
mmu-miR-191*	26(1239)	0,0308214	Gemin4,Arhgap22,H2afv,Ddx52,Ahctf1,Sgol2,Por,Fnbp1,Smek1,2700029M09Rik,Imp3,2810474O19Rik,Ncam1,Nfkbiz, Cdc7,Hmgb2,Snrpd1,Mpp6,Cenpn,Zbtb12,Trpc2,Abl2,Fancd2,Bcl2l11,Smu1,Pou2f1
mmu-miR-29c*	30(1239)	0,0311756	Wdr3,Riok2,6720463M24Rik,Vil1,Tiam2,Tox,Wsb1,Socs3,Nfrkb,Ppid,Lsm2,Zfp184,Enpp1,Ctbp2,Slc29a1,BC031781,Pcnt ,Sbno1,2210018M11Rik,Chaf1b,Gtpbp10,Top2a,Ctsh,Mastl,Slc43a3,E2f7,Stmn1,Zcchc8,Ddx39,Pogz
mmu-miR-135a*	27(1239)	0,0335964	Ctsw,Ddx21,Atad2,Ddx27,Aspm,Tmem176b,Vrk3,Por,Psrc1,Ung,Pde1a,Trim28,Cul4b,Pnpt1,Nasp,Pprc1,Paip1,Ctsh,Pole ,Ddx31,2410016O06Rik,Rbm14,Cacna1c,2610027L16Rik,Gtse1,Tpbp,2810408A11Rik
mmu-miR-425*	26(1239)	0,0345683	1110012J17Rik,Pcm1,Marcks1,Zfp52,Ppjh,Tmem176b,Hspd1,Impdh2,Junb,Psrc1,Cbx1,Wipf1,Cdca4,Gli2,Dbf4,Cct3,Mp hosph10,Nudc,Prmt5,Syne2,Slc43a3,Rfc2,Cenpk,Sf3a3,Phc2,Myct1
mmu-miR-542-5p	32(1239)	0,0370743	1110012J17Rik,Rcc2,Ctsw,Kif4,Ptpre,Fkbp5,Ank3,Nuf2,Enpp1,Slc25a5,Micall2,Sbk1,Wipf1,Zfp54,Espl1,Cdc7,Top2a,Dbf 4,Rsf1,Rbmx2,Trp53bp2,Mphosph10,Apitd1,Sertad1,Nsmce4a,Stmn1,Cenpk,Psm14,Utp11,Khdrbs1,Ift74,Ecd
mmu-miR-326	30(1239)	0,0411972	Gemin4,Prx,D19Bwg1357e,Mki67,Prpf19,Pdgb,Ddx27,Ruvbl1,Nrp1,2510012J08Rik,Por,Dusp9,Klhdc2,Cand1,Cdca2,Gin s1,Pif1,Gli2,Nme4,Nmral1,Ctsh,Fgd3,Sertad1,Cacna1c,Th1l,Mast4,Nsl1,Fancd,Eftud2,Slc4a7
mmu-miR-712*	26(1239)	0,0441041	Notch1,Asph,Ktn1,Mum1,Wdr43,Ppjh,Pank1,Nipsnap1,Mapk8,Riok2,Ruvbl1,Vrk3,Dhx36,Usp10,Exo1,Mpzl1,H2- K1,Ppp1cc,Rpl12,Nmral1,Smchd1,Eif4enif1,Rbm14,Ssrp1,Trub1,2610027L16Rik
mmu-miR-203*	24(1239)	0,0444251	Snx5,2810046L04Rik,Ncaph,Lrrc45,Mybbp1a,Hmmr,Cep192,Ppid,Luc7l,Dbr1,Cenph,Rpl3,B230120H23Rik,Snrpa1,Idh2, Rsbn1,Ewsr1,Tk1,Pole,Igfsf3,4933427D14Rik,Dus3l,Cdc40,Pola2