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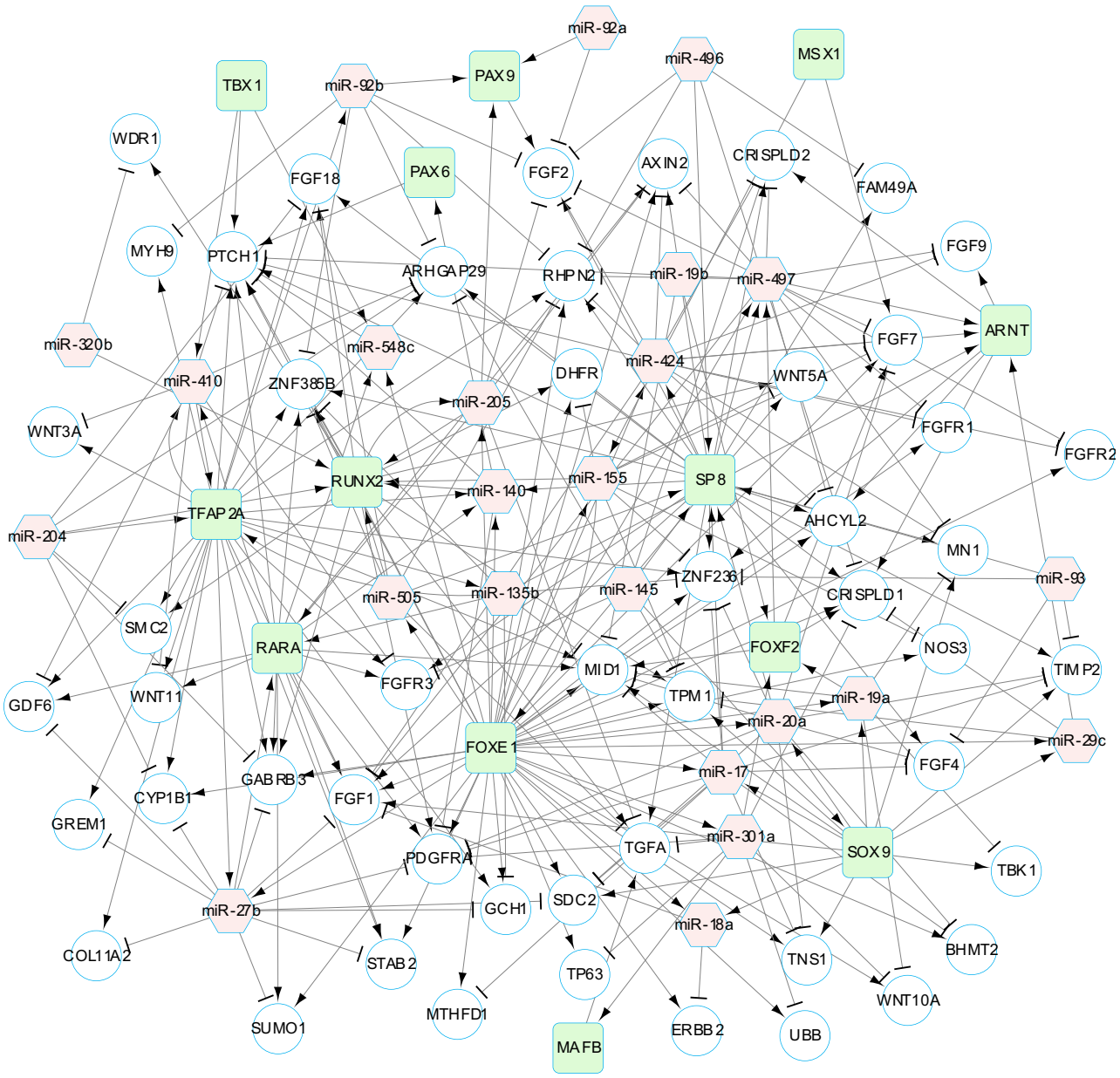

Figure S1. Human miRNA-TF-gene regulatory network integrated from all the three types of regulatory motifs.

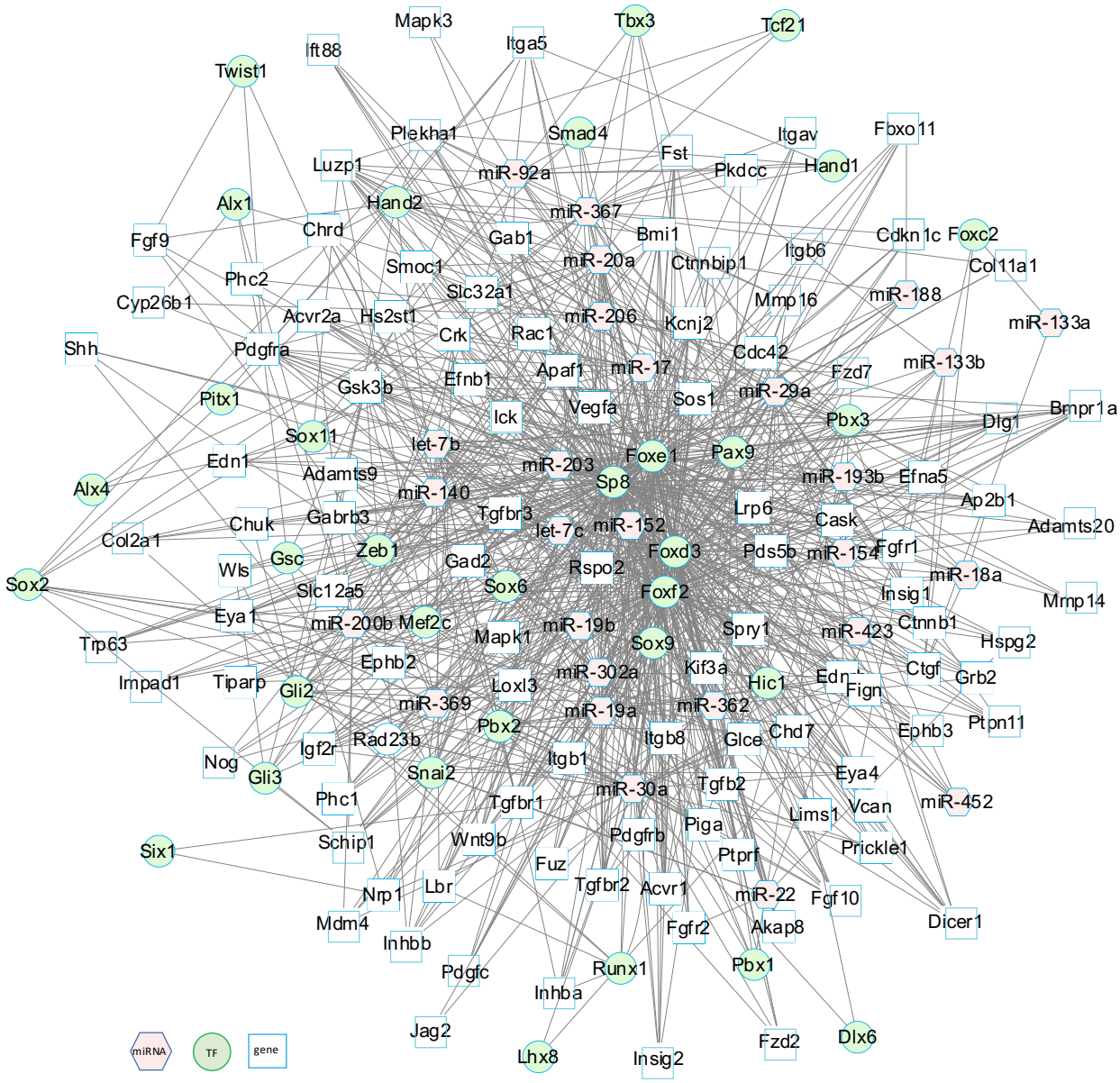

Figure S2. Mouse miRNA-TF-gene regulatory network integrated from all the three types of regulatory motifs.

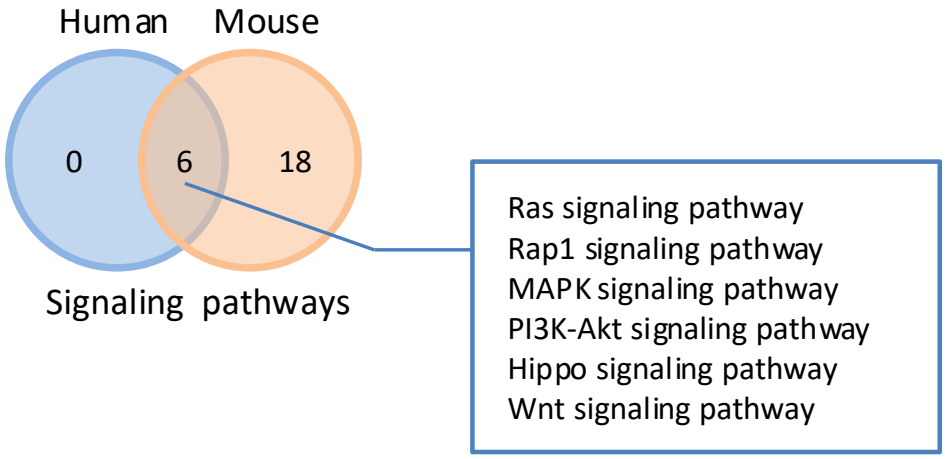

Figure S3. Consensus signaling pathways between humans and mice.

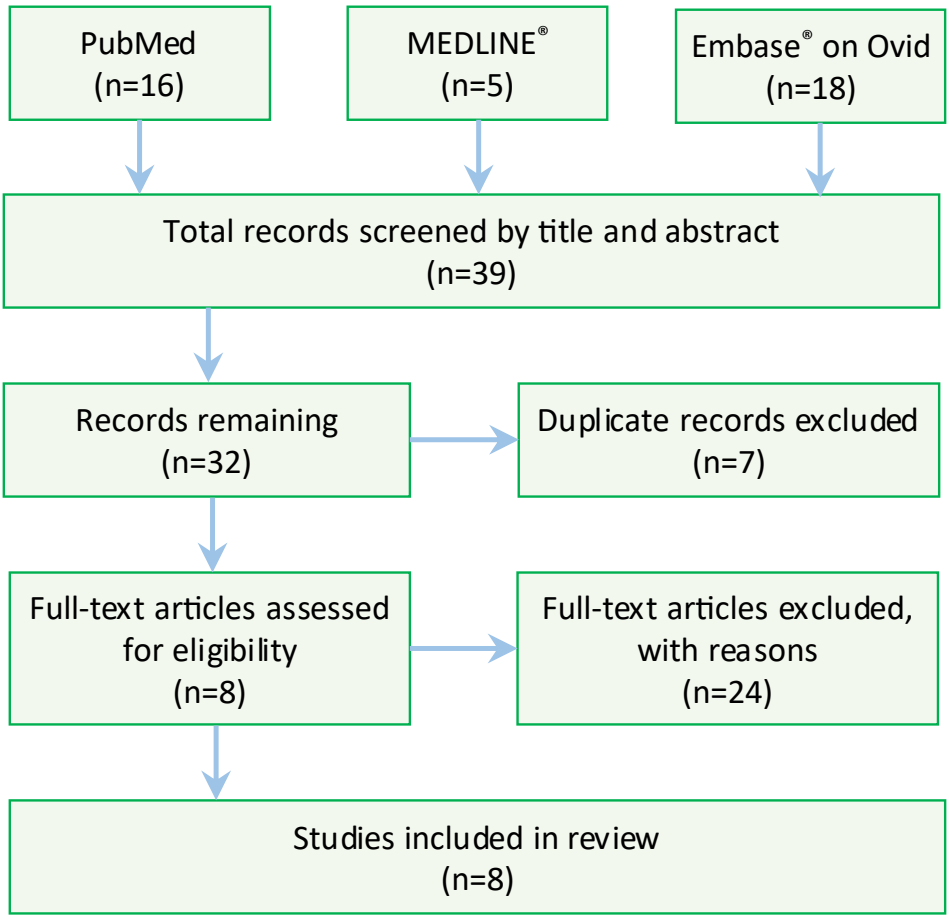

Figure S4. Manually collected human cleft palate related miRNAs.

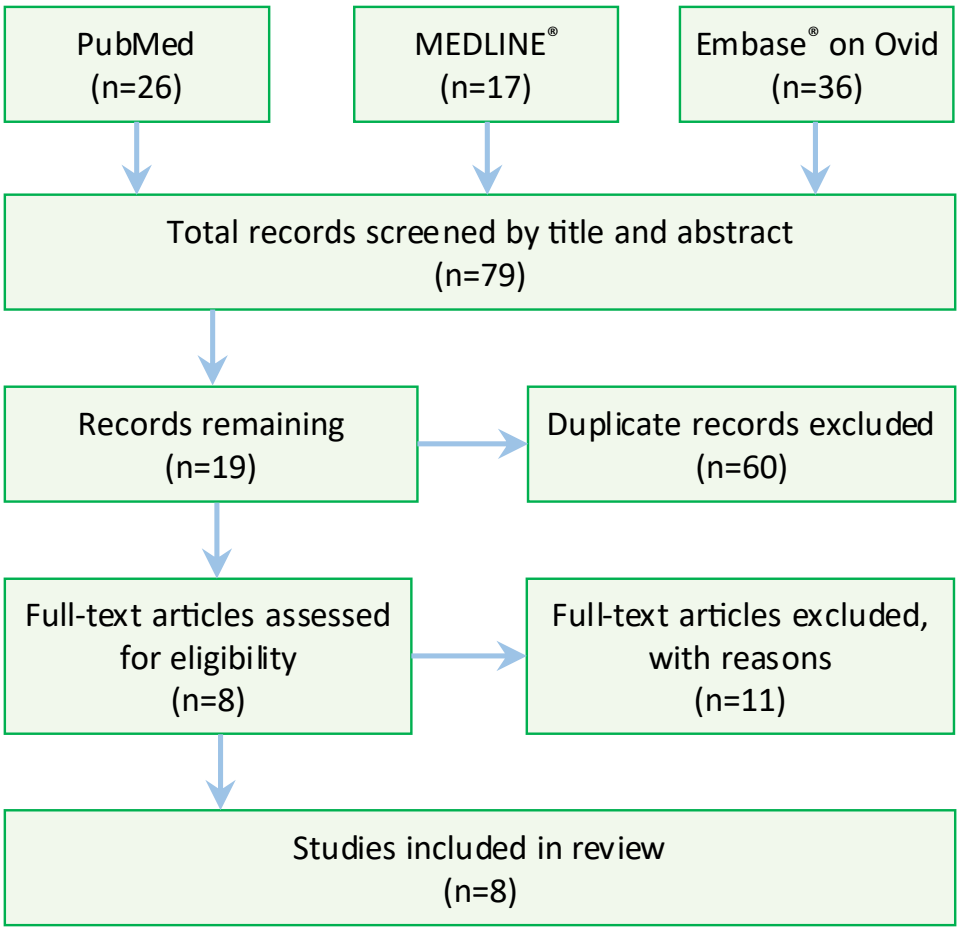

Figure S5. Manually collected mouse cleft palate related miRNAs.

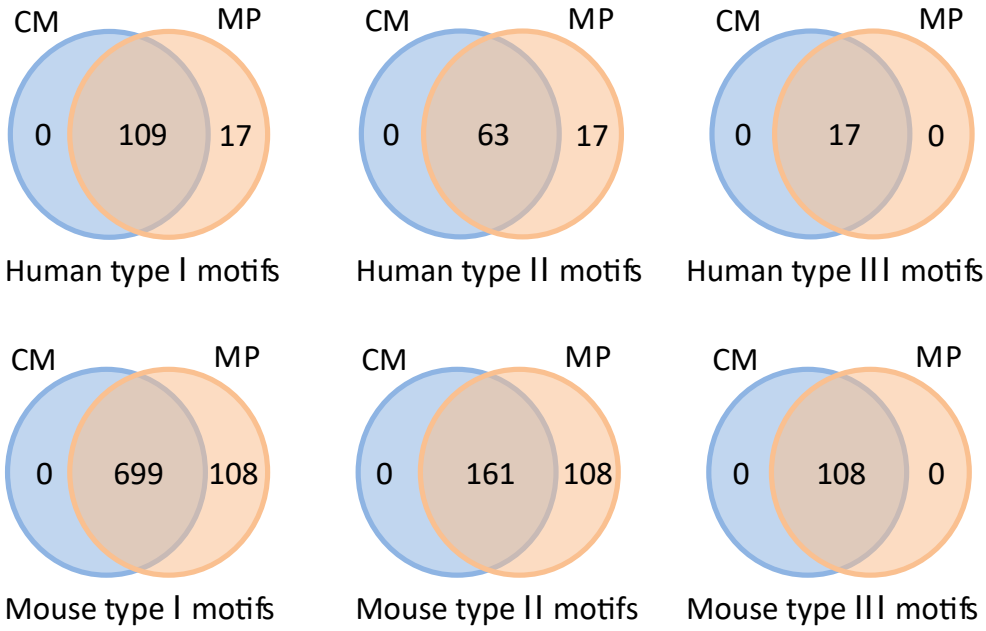

Figure S6. Comparison of motifs predicted by CoMoFinder and MotifPredictor. MotifPredictor is a package developed in C in this study. CoMoFinder and MotifPredictor were used to find motifs from human and mouse whole regulatory networks, respectively. The motif parameters used for CoMoFinder (getSpecificMotifs.jar) were 001101000_012, 011001000_012, and 011101000_012 for types I, II, and III motifs, respectively. As shown above, the results are the same by the two methods. All the motifs predicted by CoMoFinder were found by MotifPredictor. CoMoFinder had fewer type I and II motifs than MotifPredictor. This is because types I and II were sub-motifs of type III, and CoMoFinder counted motifs, not sub-motifs.

Supplementary notes

Note S1. Candidate CP-related miRNAs in humans.

miRNA	Description	Reference
hsa-miR-1260b	Up-regulated in nonsyndromic cleft lip with or without cleft palate (NSCLP) samples versus controls	[1]
hsa-miR-135-5p	Up-regulated in non-syndromic cleft palate only patients (nsCPO) fibroblasts	[2]
hsa-miR-135b-5p	Up-regulated in non-syndromic cleft palate only patients (nsCPO) fibroblasts	[2]
hsa-miR-1-3p	Down-regulated in NSCLP samples versus controls	[1]
hsa-miR-140-5p	Mutations in the 3 UTR of PDGFRa increasing the binding affinity of the miR-140	[3, 4]
hsa-miR-145-5p	Down-regulated in non-syndromic cleft palate only patients (nsCPO) fibroblasts	[2, 5]
hsa-miR-1537-3p	Down-regulated in non-syndromic cleft palate only patients (nsCPO) fibroblasts	[2]
hsa-miR-155-3p	Up-regulated in non-syndromic cleft palate only patients (nsCPO) fibroblasts	[2]
hsa-miR-17-5p	miR-17-92 deficiency results in orofacial clefting	[6, 7]
hsa-miR-181a-5p	Down-regulated in non-syndromic cleft palate only patients (nsCPO) fibroblasts	[2]
hsa-miR-187-3p	miR-187-FGF9 interactions were associated with clefting	[5]
hsa-miR-18a-5p	Up-regulated in non-syndromic cleft palate only patients (nsCPO) fibroblasts	[2]
hsa-miR-19a-3p	miR-17-92 deficiency results in orofacial clefting	[6]
hsa-miR-19b-3p	miR-17-92 deficiency results in orofacial clefting	[6]
hsa-miR-204-5p	Down-regulated in non-syndromic cleft palate only patients (nsCPO) fibroblasts	[2]
hsa-miR-205-5p	Up-regulated in NSCLP samples versus controls	[1]
hsa-miR-20a-5p	miR-17-92 deficiency results in orofacial clefting	[6]
hsa-miR-24-3p	Up-regulated in NSCLP samples versus controls	[1]
hsa-miR-27b-3p	Up-regulated in NSCLP samples versus controls	[1]

hsa-miR-29b-2-5p	Down-regulated in non-syndromic cleft palate only patients (nsCPO) fibroblasts	[2]
hsa-miR-29c-5p	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-301a-5p	Up-regulated in NSCLP samples versus controls	[1]
hsa-miR-3182	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-320b-3p	Down-regulated in NSCLP samples versus controls	[1]
hsa-miR-3649	SNP in 3 UTR of MSX1 disturb the interaction between MSX1 and miR-3649 in the etiology of cleft palate.	[8]
hsa-miR-3676-5p	Up-regulated in NSCLP samples versus controls	[1]
hsa-miR-380-5p	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-410-3p	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-424-3p	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-451a	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-4703-3p	Down-regulated in NSCLP samples versus controls	[1]
hsa-miR-4799-3p	Down-regulated in NSCLP samples versus controls	[1]
hsa-miR-496	SNP in 3 UTR of FGF2 disturb the interaction between FGF2 and miR-496 in the etiology of cleft palate.	[5]
hsa-miR-497-3p	Down-regulated in NSCLP samples versus controls	[1]
hsa-miR-505-3p	Down-regulated in non-syndromic cleft lip and palate (nsCLP) fibroblasts	[2]
hsa-miR-548c-5p	Down-regulated in NSCLP samples versus controls	[1]
hsa-miR-549a-3p	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-564	Down-regulated in NSCLP samples versus controls	[1]
hsa-miR-5701	Up-regulated in NSCLP samples versus controls	[1]
hsa-miR-598-3p	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-641-5p	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-720	Up-regulated in NSCLP samples versus controls	[1]
hsa-miR-92a-3p	Up-regulated in nsCPO fibroblasts	[2]
hsa-miR-92b-5p	Down-regulated in nsCPO fibroblasts	[2]
hsa-miR-93-5p	Up-regulated in nsCPO fibroblasts	[2]
hsa-miR-9-5p	Down-regulated in NSCLP samples versus controls	[1]

References

1. Wang S, Sun C, Meng Y, Zhang B, Wang X, Su Y, Shi L, Zhao E: **A pilot study: Screening target miRNAs in tissue of nonsyndromic cleft lip with or without cleft palate**. *Experimental and*

Therapeutic Medicine 2017, **13**(5):2570-2576.
2. Schoen C, Glennon JC, Abghari S, Bloemen M, Aschrafi A, Carels CE, Von den Hoff JW: **Differential microRNA expression in cultured palatal fibroblasts from infants with cleft palate and controls**. *European Journal of Orthodontics* 2017, **40**(1):90-96.
3. Li L, Meng T, Jia Z, Zhu G, Shi B: **Single nucleotide polymorphism associated with nonsyndromic cleft palate influences the processing of miR-140**. *American Journal of Medical Genetics Part A* 2010, **152**(4):856-862.
4. Rattanasopha S, Tongkobpetch S, Srichomthong C, Siriwan P, Suphapeetiporn K, Shotelersuk V: **PDGFRa mutations in humans with isolated cleft palate**. *European Journal of Human Genetics* 2012, **20**(10):1058.
5. Li D, Zhang H, Ma L, Han Y, Xu M, Wang Z, Jiang H, Zhang W, Wang L, Pan Y: **Associations between microRNA binding site SNPs in FGFs and FGFRs and the risk of non-syndromic orofacial cleft**. *Scientific reports* 2016, **6**:31054.
6. Wang J, Bai Y, Li H, Greene SB, Klysik E, Yu W, Schwartz RJ, Williams TJ, Martin JF: **MicroRNA-17-92, a direct Ap-2α transcriptional target, modulates T-box factor activity in orofacial clefting**. *PLoS genetics* 2013, **9**(9):e1003785.
7. Li J, Zou J, Li Q, Chen L, Gao Y, Yan H, Zhou B, Li J: **Assessment of differentially expressed plasma microRNAs in nonsyndromic cleft palate and nonsyndromic cleft lip with cleft palate**. *Oncotarget* 2016, **7**(52):86266.
8. Ma L, Xu M, Li D, Han Y, Wang Z, Yuan H, Ma J, Zhang W, Jiang H, Pan Y: **A miRNA-binding-site SNP of MSX1 is Associated with NSOC Susceptibility**. *Journal of dental research* 2014, **93**(6):559-564.

Note S2. Candidate CP-related miRNAs in mice.

miRNA	Description	Reference
mmu-let-7b-5p	Differentially expressed in GD-13 versus GD-12 palatal tissue	[1]
mmu-let-7c-5p	Differentially expressed in GD-13 versus GD-12 palatal tissue	[1]
mmu-miR-133a-3p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-133b-3p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-140-5p	miR-140 regulates cartilage development and homeostasis	[2]
mmu-miR-152-3p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-154-5p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-17-5p	miR-17-92 mutant embryos had severe craniofacial phenotypes	[3-5]
mmu-miR-188-3p	Differentially expressed in GD-14 versus GD-13 palatal tissue	[1]
mmu-miR-18a-5p	miR-17-92 mutant embryos had severe craniofacial phenotypes	[3-5]
mmu-miR-193a-3p	Differentially expressed in GD-13 versus GD-12 palatal tissue	[1]
mmu-miR-193b-3p	Differentially expressed in GD-13 versus GD-12 palatal tissue	[1]
mmu-miR-19a-3p	miR-17-92 mutant embryos had severe craniofacial phenotypes	[3-5]
mmu-miR-19b-3p	miR-17-92 mutant embryos had severe craniofacial phenotypes	[3-5]
mmu-miR-200b-3p	miR-200b plays crucial roles in cell migration and palatal fusion by regulating Zeb1 and Zeb2; miR-200b and Tgf-β signaling are important for proper palatogenesis and especially for palate fusion	[5-7]
mmu-miR-203-3p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]

mmu-miR-206-3p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-20a-5p	miR-17-92 mutant embryos had severe craniofacial phenotypes	[3-5]
mmu-miR-22-3p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-302a-3p	Regulate the expression of different isoforms of p63 (miR-203 and the miR-302/367 family), previously shown to be critical for both palate and lip development.	[8]
mmu-miR-29a-3p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-30a-5p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-362-5p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-367-3p	Regulate the expression of different isoforms of p63 (miR-203 and the miR-302/367 family), previously shown to be critical for both palate and lip development	[8]
mmu-miR-369-5p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-423-3p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-451a	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-452-5p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-671-3p	Differentially expressed in GD-14 versus GD-12 palatal tissue	[1]
mmu-miR-92a-3p	miR-17-92 mutant embryos had severe craniofacial phenotypes	[3-5]

References

1. Mukhopadhyay P, Brock G, Pihur V, Webb C, Pisano MM, Greene RM: **Developmental microRNA expression profiling of murine embryonic orofacial tissue**. *Birth Defects Research Part A: Clinical and Molecular Teratology* 2010, **88**(7):511-534.
2. Miyaki S, Sato T, Inoue A, Otsuki S, Ito Y, Yokoyama S, Kato Y, Takemoto F, Nakasa T, Yamashita S:

MicroRNA-140 plays dual roles in both cartilage development and homeostasis. *Genes & development* 2010.
3. Wang J, Bai Y, Li H, Greene SB, Klysik E, Yu W, Schwartz RJ, Williams TJ, Martin JF: **MicroRNA-17-92, a direct Ap-2α transcriptional target, modulates T-box factor activity in orofacial clefting**. *PLoS genetics* 2013, **9**(9):e1003785.
4. Cao H, Yu W, Li X, Wang J, Gao S, Holton NE, Eliason S, Sharp T, Amendt BA: **A new plasmid-based microRNA inhibitor system that inhibits microRNA families in transgenic mice and cells: a potential new therapeutic reagent**. *Gene therapy* 2016, **23**(6):527.
5. Ries R, Yu W, Holton N, Cao H, Amendt B: **Inhibition of the miR-17-92 Cluster Separates Stages of Palatogenesis**. *Journal of dental research* 2017, **96**(11):1257-1264.
6. Shin J-O, Nakagawa E, Kim E-J, Cho K-W, Lee J-M, Cho S-W, Jung H-S: **miR-200b regulates cell migration via Zeb family during mouse palate development**. *Histochemistry and cell biology* 2012, **137**(4):459-470.
7. Shin J-O, Lee J-M, Cho K-W, Kwak S, Kwon H-J, Lee M-J, Cho S-W, Kim K-S, Jung H-S: **MiR-200b is involved in Tgf-β signaling to regulate mammalian palate development**. *Histochemistry and cell biology* 2012, **137**(1):67-78.
8. Warner DR, Mukhopadhyay P, Brock G, Webb CL, Michele Pisano M, Greene RM: **Micro RNA expression profiling of the developing murine upper lip**. *Development, growth & differentiation* 2014, **56**(6):434-447.

Supplementary tables

Table S1. Human cleft palate related genes.

ABCA1	*ERBB2*	*LEF1*	*RARA*	*TULP4*
ABCA4	*FAM49A*	*MAFB*	*RHPN2*	*UBB*
ABCB1	*FGF1*	*MID1*	*ROR2*	*UGT1A7*
ADH1C	*FGF10*	*MLLT3*	*RUNX2*	*VAX1*
AHCYL2	*FGF18*	*MMP25*	*RYK*	*WDR1*
ALDH1L1	*FGF19*	*MMP3*	*SDC2*	*WNT10A*
ARHGAP29	*FGF2*	*MN1*	*SERPINA6*	*WNT11*
ARNT	*FGF3*	*MSX1*	*SLC19A1*	*WNT3A*
ASL	*FGF4*	*MTHFD1*	*SLC25A13*	*WNT5A*
ASS1	*FGF7*	*MTHFR*	*SLC2A9*	*ZNF236*
AXIN2	*FGF8*	*MTR*	*SLC6A4*	*ZNF385B*
BAALC	*FGF9*	*MTRR*	*SMC2*	
BCL3	*FGFR1*	*MYH9*	*SP8*	
BHMT	*FGFR2*	*NAT1*	*STAB2*	
BHMT2	*FGFR3*	*NAT2*	*STOM*	
BMP2	*FOXE1*	*NECTIN1*	*SUMO1*	
BMP4	*FOXF2*	*NECTIN2*	*TBK1*	
BMP7	*GABRB3*	*NOG*	*TBX1*	
BRIP1	*GAD1*	*NOS3*	*TBX22*	
CBS	*GCH1*	*NTN1*	*TCN2*	
CDH1	*GDF6*	*PAH*	*TCOF1*	
COL11A2	*GREM1*	*PAX3*	*TFAP2A*	
COL2A1	*GRHL3*	*PAX6*	*TGFA*	
CRISPLD1	*GSTP1*	*PAX7*	*TGFB1*	
CRISPLD2	*GSTT1*	*PAX9*	*TGFB3*	
CYP1A1	*IRF6*	*PCYT1A*	*TIMP2*	
CYP1B1	*IRF7*	*PDGF-C*	*TNS1*	
DDC	*JADE1*	*PDGFRA*	*TP63*	
DHFR	*JAG2*	*PRSS35*	*TPH2*	
DVL3	*JARID2*	*PTCH1*	*TPM1*	

Table S2. Mouse cleft palate related genes.

Acvr1	*Dlx6*	*Grb2*	*Lhx6*	*Phc2*	*Snai2*
Acvr2a	*Dnmt3b*	*Grhl3*	*Lhx8*	*Piga*	*Sos1*
Adamts20	*Dph1*	*Gsc*	*Lims1*	*Pitx1*	*Sox11*
Adamts9	*Edn1*	*Gsk3b*	*Loxl3*	*Pitx2*	*Sox2*
Akap8	*Ednra*	*H19*	*Lrp6*	*Pkdcc*	*Sox5*
Alx1	*Ednrb*	*Hand1*	*Luzp1*	*Plekha1*	*Sox6*
Alx3	*Efna5*	*Hand2*	*Map3k7*	*Prdm16*	*Sox9*
Alx4	*Efnb1*	*Hdac3*	*Mapk1*	*Prickle1*	*Sp8*
Ap2b1	*Egfr*	*Hhat*	*Mapk3*	*Prrx1*	*Spry1*
Apaf1	*Ephb2*	*Hic1*	*Mdm2*	*Prrx2*	*Spry2*
Arid5b	*Ephb3*	*Hoxa2*	*Mdm4*	*Ptch1*	*Sumo1*
Axin1	*Esrp1*	*Hs2st1*	*Mef2c*	*Ptpn11*	*Tbx1*
Bmi1	*Eya1*	*Hspg2*	*Men1*	*Ptprf*	*Tbx2*
Bmp2	*Eya4*	*Ick*	*Meox2*	*Ptprs*	*Tbx22*
Bmp4	*Fbxo11*	*Ift140*	*Mmp14*	*Pygo1*	*Tbx3*
Bmp7	*Fbxw7*	*Ift88*	*Mmp16*	*Pygo2*	*Tcf21*
Bmpr1a	*Fgf10*	*Igf2*	*Mn1*	*Rac1*	*Tcof1*
Bnc2	*Fgf18*	*Igf2r*	*Mnt*	*Rad23b*	*Tfap2a*
Boc	*Fgf8*	*Ihh*	*Msc*	*Rax*	*Tgfb1*
Cacna1s	*Fgf9*	*Ilk*	*Msx1*	*Recql4*	*Tgfb2*
Cask	*Fgfr1*	*Impad1*	*Msx2*	*Ror2*	*Tgfb3*
Cdc42	*Fgfr2*	*Inhba*	*Nog*	*Rspo2*	*Tgfbr1*
Cdkn1c	*Fign*	*Inhbb*	*Nosip*	*Runx1*	*Tgfbr2*
Cdo1	*Flna*	*Inpp5e*	*Nrp1*	*Ryk*	*Tgfbr3*
Chd7	*Folr1*	*Insig1*	*Nsd2*	*Satb2*	*Tiparp*
Chrd	*Foxc2*	*Insig2*	*Oca2*	*Sc5d*	*Tm7sf2*
Chuk	*Foxd3*	*Irf6*	*Ofd1*	*Schip1*	*Trp53*
Col11a1	*Foxe1*	*Itga5*	*Osr2*	*Sfn*	*Trp63*
Col2a1	*Foxf2*	*Itgav*	*Ovca2*	*Sgpl1*	*Tshz1*
Crk	*Fst*	*Itgb1*	*Pak1ip1*	*Shh*	*Twist1*
Csrnp1	*Fuz*	*Itgb6*	*Pax3*	*Shox2*	*Vangl2*
Ctgf	*Fzd2*	*Itgb8*	*Pax9*	*Sim2*	*Vax1*
Ctnnb1	*Fzd7*	*Jag2*	*Pbx1*	*Six1*	*Vax2*
Ctnnbip1	*Gab1*	*Jmjd6*	*Pbx2*	*Six3*	*Vcan*
Cyp26b1	*Gabrb3*	*Kat6a*	*Pbx3*	*Six4*	*Vegfa*
Dhcr7	*Gad1*	*Kcnj13*	*Pcgf2*	*Ski*	*Wls*
Dicer1	*Gad2*	*Kcnj2*	*Pdgfc*	*Slc12a5*	*Wnt5a*
Disp1	*Gas1*	*Kdf1*	*Pdgfra*	*Slc32a1*	*Wnt9b*
Dlg1	*Glce*	*Kif3a*	*Pdgfrb*	*Smad4*	*Zeb1*
Dlx1	*Glg1*	*Krt5*	*Pds5a*	*Smo*	*Zeb2*
Dlx2	*Gli2*	*Lbr*	*Pds5b*	*Smoc1*	*Zfp640*
Dlx5	*Gli3*	*Ldb1*	*Phc1*	*Snai1*	*Zfp950*

Table S3. Human cleft palate related miRNA-TF-gene type I motifs.

TF-miRNA pair	miRNA-Gene pair	TF-Gene pair
FOXE1 ~ hsa-miR-140	hsa-miR-140 ~ PDGFRA	FOXE1 ~ PDGFRA
FOXE1 ~ hsa-miR-140	hsa-miR-140 ~ PTCH1	FOXE1 ~ PTCH1
FOXE1 ~ hsa-miR-155	hsa-miR-155 ~ DHFR	FOXE1 ~ DHFR
FOXE1 ~ hsa-miR-155	hsa-miR-155 ~ FGF7	FOXE1 ~ FGF7
FOXE1 ~ hsa-miR-155	hsa-miR-155 ~ NOS3	FOXE1 ~ NOS3
FOXE1 ~ hsa-miR-155	hsa-miR-155 ~ TPM1	FOXE1 ~ TPM1
FOXE1 ~ hsa-miR-155	hsa-miR-155 ~ WNT5A	FOXE1 ~ WNT5A
FOXE1 ~ hsa-miR-155	hsa-miR-155 ~ ZNF236	FOXE1 ~ ZNF236
FOXE1 ~ hsa-miR-17	hsa-miR-17 ~ BHMT2	FOXE1 ~ BHMT2
FOXE1 ~ hsa-miR-17	hsa-miR-17 ~ MID1	FOXE1 ~ MID1
FOXE1 ~ hsa-miR-17	hsa-miR-17 ~ MTHFD1	FOXE1 ~ MTHFD1
FOXE1 ~ hsa-miR-17	hsa-miR-17 ~ PDGFRA	FOXE1 ~ PDGFRA
FOXE1 ~ hsa-miR-17	hsa-miR-17 ~ SDC2	FOXE1 ~ SDC2
FOXE1 ~ hsa-miR-17	hsa-miR-17 ~ TNS1	FOXE1 ~ TNS1
FOXE1 ~ hsa-miR-17	hsa-miR-17 ~ ZNF236	FOXE1 ~ ZNF236
FOXE1 ~ hsa-miR-18a	hsa-miR-18a ~ ERBB2	FOXE1 ~ ERBB2
FOXE1 ~ hsa-miR-18a	hsa-miR-18a ~ FGF1	FOXE1 ~ FGF1
FOXE1 ~ hsa-miR-19a	hsa-miR-19a ~ MID1	FOXE1 ~ MID1
FOXE1 ~ hsa-miR-19a	hsa-miR-19a ~ WNT10A	FOXE1 ~ WNT10A
FOXE1 ~ hsa-miR-205	hsa-miR-205 ~ AXIN2	FOXE1 ~ AXIN2
FOXE1 ~ hsa-miR-20a	hsa-miR-20a ~ BHMT2	FOXE1 ~ BHMT2
FOXE1 ~ hsa-miR-20a	hsa-miR-20a ~ FGF7	FOXE1 ~ FGF7
FOXE1 ~ hsa-miR-20a	hsa-miR-20a ~ MID1	FOXE1 ~ MID1
FOXE1 ~ hsa-miR-20a	hsa-miR-20a ~ PDGFRA	FOXE1 ~ PDGFRA
FOXE1 ~ hsa-miR-20a	hsa-miR-20a ~ SDC2	FOXE1 ~ SDC2
FOXE1 ~ hsa-miR-20a	hsa-miR-20a ~ TNS1	FOXE1 ~ TNS1
FOXE1 ~ hsa-miR-20a	hsa-miR-20a ~ ZNF236	FOXE1 ~ ZNF236
FOXE1 ~ hsa-miR-27b	hsa-miR-27b ~ CYP1B1	FOXE1 ~ CYP1B1
FOXE1 ~ hsa-miR-27b	hsa-miR-27b ~ FGF1	FOXE1 ~ FGF1
FOXE1 ~ hsa-miR-27b	hsa-miR-27b ~ GABRB3	FOXE1 ~ GABRB3
FOXE1 ~ hsa-miR-27b	hsa-miR-27b ~ GCH1	FOXE1 ~ GCH1
FOXE1 ~ hsa-miR-27b	hsa-miR-27b ~ PDGFRA	FOXE1 ~ PDGFRA
FOXE1 ~ hsa-miR-27b	hsa-miR-27b ~ SDC2	FOXE1 ~ SDC2
FOXE1 ~ hsa-miR-27b	hsa-miR-27b ~ STAB2	FOXE1 ~ STAB2
FOXE1 ~ hsa-miR-27b	hsa-miR-27b ~ SUMO1	FOXE1 ~ SUMO1
FOXE1 ~ hsa-miR-29c	hsa-miR-29c ~ CRISPLD1	FOXE1 ~ CRISPLD1
FOXE1 ~ hsa-miR-29c	hsa-miR-29c ~ TPM1	FOXE1 ~ TPM1
FOXE1 ~ hsa-miR-301a	hsa-miR-301a ~ CRISPLD1	FOXE1 ~ CRISPLD1
FOXE1 ~ hsa-miR-301a	hsa-miR-301a ~ PDGFRA	FOXE1 ~ PDGFRA
FOXE1 ~ hsa-miR-301a	hsa-miR-301a ~ TP63	FOXE1 ~ TP63
FOXE1 ~ hsa-miR-301a	hsa-miR-301a ~ UBB	FOXE1 ~ UBB
FOXE1 ~ hsa-miR-301a	hsa-miR-301a ~ WNT10A	FOXE1 ~ WNT10A
FOXE1 ~ hsa-miR-424	hsa-miR-424 ~ AHCYL2	FOXE1 ~ AHCYL2
FOXE1 ~ hsa-miR-424	hsa-miR-424 ~ AXIN2	FOXE1 ~ AXIN2
FOXE1 ~ hsa-miR-424	hsa-miR-424 ~ FGF1	FOXE1 ~ FGF1

FOXE1 ~ hsa-miR-424	hsa-miR-424 ~ FGF7	FOXE1 ~ FGF7
FOXE1 ~ hsa-miR-424	hsa-miR-424 ~ FGFR1	FOXE1 ~ FGFR1
FOXE1 ~ hsa-miR-424	hsa-miR-424 ~ FGFR2	FOXE1 ~ FGFR2
FOXE1 ~ hsa-miR-424	hsa-miR-424 ~ PTCH1	FOXE1 ~ PTCH1
FOXE1 ~ hsa-miR-424	hsa-miR-424 ~ RHPN2	FOXE1 ~ RHPN2
FOXE1 ~ hsa-miR-497	hsa-miR-497 ~ AHCYL2	FOXE1 ~ AHCYL2
FOXE1 ~ hsa-miR-497	hsa-miR-497 ~ AXIN2	FOXE1 ~ AXIN2
FOXE1 ~ hsa-miR-497	hsa-miR-497 ~ FGF1	FOXE1 ~ FGF1
FOXE1 ~ hsa-miR-497	hsa-miR-497 ~ FGF7	FOXE1 ~ FGF7
FOXE1 ~ hsa-miR-497	hsa-miR-497 ~ FGFR1	FOXE1 ~ FGFR1
FOXE1 ~ hsa-miR-497	hsa-miR-497 ~ FGFR2	FOXE1 ~ FGFR2
FOXE1 ~ hsa-miR-497	hsa-miR-497 ~ PTCH1	FOXE1 ~ PTCH1
FOXE1 ~ hsa-miR-497	hsa-miR-497 ~ RHPN2	FOXE1 ~ RHPN2
FOXE1 ~ hsa-miR-505	hsa-miR-505 ~ RHPN2	FOXE1 ~ RHPN2
FOXE1 ~ hsa-miR-505	hsa-miR-505 ~ ZNF385B	FOXE1 ~ ZNF385B
FOXE1 ~ hsa-miR-548c	hsa-miR-548c ~ PTCH1	FOXE1 ~ PTCH1
FOXF2 ~ hsa-miR-497	hsa-miR-497 ~ FGF7	FOXF2 ~ FGF7
MSX1 ~ hsa-miR-155	hsa-miR-155 ~ FGF7	MSX1 ~ FGF7
RARA ~ hsa-miR-140	hsa-miR-140 ~ PDGFRA	RARA ~ PDGFRA
RARA ~ hsa-miR-140	hsa-miR-140 ~ PTCH1	RARA ~ PTCH1
RARA ~ hsa-miR-410	hsa-miR-410 ~ FGFR3	RARA ~ FGFR3
RARA ~ hsa-miR-410	hsa-miR-410 ~ GDF6	RARA ~ GDF6
RARA ~ hsa-miR-410	hsa-miR-410 ~ PTCH1	RARA ~ PTCH1
RARA ~ hsa-miR-410	hsa-miR-410 ~ WNT11	RARA ~ WNT11
RARA ~ hsa-miR-548c	hsa-miR-548c ~ PTCH1	RARA ~ PTCH1
RUNX2 ~ hsa-miR-205	hsa-miR-205 ~ TGFA	RUNX2 ~ TGFA
SOX9 ~ hsa-miR-17	hsa-miR-17 ~ MID1	SOX9 ~ MID1
SOX9 ~ hsa-miR-17	hsa-miR-17 ~ SDC2	SOX9 ~ SDC2
SOX9 ~ hsa-miR-17	hsa-miR-17 ~ TIMP2	SOX9 ~ TIMP2
SOX9 ~ hsa-miR-17	hsa-miR-17 ~ TNS1	SOX9 ~ TNS1
SOX9 ~ hsa-miR-18a	hsa-miR-18a ~ FGF1	SOX9 ~ FGF1
SOX9 ~ hsa-miR-19a	hsa-miR-19a ~ MID1	SOX9 ~ MID1
SOX9 ~ hsa-miR-19a	hsa-miR-19a ~ MN1	SOX9 ~ MN1
SOX9 ~ hsa-miR-19a	hsa-miR-19a ~ TBK1	SOX9 ~ TBK1
SOX9 ~ hsa-miR-20a	hsa-miR-20a ~ MID1	SOX9 ~ MID1
SOX9 ~ hsa-miR-20a	hsa-miR-20a ~ SDC2	SOX9 ~ SDC2
SOX9 ~ hsa-miR-20a	hsa-miR-20a ~ TIMP2	SOX9 ~ TIMP2
SOX9 ~ hsa-miR-20a	hsa-miR-20a ~ TNS1	SOX9 ~ TNS1
SOX9 ~ hsa-miR-29c	hsa-miR-29c ~ TPM1	SOX9 ~ TPM1
SP8 ~ hsa-miR-140	hsa-miR-140 ~ PTCH1	SP8 ~ PTCH1
SP8 ~ hsa-miR-424	hsa-miR-424 ~ AHCYL2	SP8 ~ AHCYL2
SP8 ~ hsa-miR-424	hsa-miR-424 ~ AXIN2	SP8 ~ AXIN2
SP8 ~ hsa-miR-424	hsa-miR-424 ~ CRISPLD2	SP8 ~ CRISPLD2
SP8 ~ hsa-miR-424	hsa-miR-424 ~ FGF1	SP8 ~ FGF1
SP8 ~ hsa-miR-424	hsa-miR-424 ~ FGF2	SP8 ~ FGF2
SP8 ~ hsa-miR-424	hsa-miR-424 ~ MN1	SP8 ~ MN1
SP8 ~ hsa-miR-424	hsa-miR-424 ~ PTCH1	SP8 ~ PTCH1

SP8 ~ hsa-miR-424	hsa-miR-424 ~ RHPN2	SP8 ~ RHPN2
SP8 ~ hsa-miR-497	hsa-miR-497 ~ AHCYL2	SP8 ~ AHCYL2
SP8 ~ hsa-miR-497	hsa-miR-497 ~ AXIN2	SP8 ~ AXIN2
SP8 ~ hsa-miR-497	hsa-miR-497 ~ CRISPLD2	SP8 ~ CRISPLD2
SP8 ~ hsa-miR-497	hsa-miR-497 ~ FGF1	SP8 ~ FGF1
SP8 ~ hsa-miR-497	hsa-miR-497 ~ FGF2	SP8 ~ FGF2
SP8 ~ hsa-miR-497	hsa-miR-497 ~ MN1	SP8 ~ MN1
SP8 ~ hsa-miR-497	hsa-miR-497 ~ PTCH1	SP8 ~ PTCH1
SP8 ~ hsa-miR-497	hsa-miR-497 ~ RHPN2	SP8 ~ RHPN2
TBX1 ~ hsa-miR-410	hsa-miR-410 ~ PTCH1	TBX1 ~ PTCH1
TBX1 ~ hsa-miR-548c	hsa-miR-548c ~ PTCH1	TBX1 ~ PTCH1
TFAP2A ~ hsa-miR-135b	hsa-miR-135b ~ GCH1	TFAP2A ~ GCH1
TFAP2A ~ hsa-miR-135b	hsa-miR-135b ~ MID1	TFAP2A ~ MID1
TFAP2A ~ hsa-miR-135b	hsa-miR-135b ~ ZNF236	TFAP2A ~ ZNF236
TFAP2A ~ hsa-miR-135b	hsa-miR-135b ~ ZNF385B	TFAP2A ~ ZNF385B
TFAP2A ~ hsa-miR-140	hsa-miR-140 ~ PTCH1	TFAP2A ~ PTCH1
TFAP2A ~ hsa-miR-27b	hsa-miR-27b ~ COL11A2	TFAP2A ~ COL11A2
TFAP2A ~ hsa-miR-27b	hsa-miR-27b ~ CYP1B1	TFAP2A ~ CYP1B1
TFAP2A ~ hsa-miR-27b	hsa-miR-27b ~ FGF1	TFAP2A ~ FGF1
TFAP2A ~ hsa-miR-27b	hsa-miR-27b ~ GABRB3	TFAP2A ~ GABRB3
TFAP2A ~ hsa-miR-27b	hsa-miR-27b ~ GCH1	TFAP2A ~ GCH1
TFAP2A ~ hsa-miR-27b	hsa-miR-27b ~ GDF6	TFAP2A ~ GDF6
TFAP2A ~ hsa-miR-27b	hsa-miR-27b ~ GREM1	TFAP2A ~ GREM1
TFAP2A ~ hsa-miR-27b	hsa-miR-27b ~ STAB2	TFAP2A ~ STAB2
TFAP2A ~ hsa-miR-410	hsa-miR-410 ~ ARHGAP29	TFAP2A ~ ARHGAP29
TFAP2A ~ hsa-miR-410	hsa-miR-410 ~ FGFR3	TFAP2A ~ FGFR3
TFAP2A ~ hsa-miR-410	hsa-miR-410 ~ GDF6	TFAP2A ~ GDF6
TFAP2A ~ hsa-miR-410	hsa-miR-410 ~ PTCH1	TFAP2A ~ PTCH1
TFAP2A ~ hsa-miR-410	hsa-miR-410 ~ WNT11	TFAP2A ~ WNT11
TFAP2A ~ hsa-miR-410	hsa-miR-410 ~ WNT3A	TFAP2A ~ WNT3A
TFAP2A ~ hsa-miR-92b	hsa-miR-92b ~ ARHGAP29	TFAP2A ~ ARHGAP29
TFAP2A ~ hsa-miR-92b	hsa-miR-92b ~ MYH9	TFAP2A ~ MYH9
TFAP2A ~ hsa-miR-92b	hsa-miR-92b ~ RHPN2	TFAP2A ~ RHPN2
TFAP2A ~ hsa-miR-92b	hsa-miR-92b ~ ZNF385B	TFAP2A ~ ZNF385B

Table S4. Human cleft palate related miRNA-TF-gene type II motifs.

miRNA-TF pair	TF-Gene pair	miRNA-Gene pair
hsa-miR-135b ~ ARNT	ARNT ~ ZNF236	hsa-miR-135b ~ ZNF236
hsa-miR-29c ~ ARNT	ARNT ~ CRISPLD1	hsa-miR-29c ~ CRISPLD1
hsa-miR-424 ~ ARNT	ARNT ~ AHCYL2	hsa-miR-424 ~ AHCYL2
hsa-miR-424 ~ ARNT	ARNT ~ CRISPLD2	hsa-miR-424 ~ CRISPLD2
hsa-miR-424 ~ ARNT	ARNT ~ FGF9	hsa-miR-424 ~ FGF9
hsa-miR-497 ~ ARNT	ARNT ~ AHCYL2	hsa-miR-497 ~ AHCYL2
hsa-miR-497 ~ ARNT	ARNT ~ CRISPLD2	hsa-miR-497 ~ CRISPLD2
hsa-miR-497 ~ ARNT	ARNT ~ FGF9	hsa-miR-497 ~ FGF9
hsa-miR-155 ~ FOXE1	FOXE1 ~ DHFR	hsa-miR-155 ~ DHFR
hsa-miR-155 ~ FOXE1	FOXE1 ~ FGF7	hsa-miR-155 ~ FGF7
hsa-miR-155 ~ FOXE1	FOXE1 ~ NOS3	hsa-miR-155 ~ NOS3
hsa-miR-155 ~ FOXE1	FOXE1 ~ TPM1	hsa-miR-155 ~ TPM1
hsa-miR-155 ~ FOXE1	FOXE1 ~ WNT5A	hsa-miR-155 ~ WNT5A
hsa-miR-155 ~ FOXE1	FOXE1 ~ ZNF236	hsa-miR-155 ~ ZNF236
hsa-miR-19a ~ FOXF2	FOXF2 ~ MID1	hsa-miR-19a ~ MID1
hsa-miR-19b ~ FOXF2	FOXF2 ~ MID1	hsa-miR-19b ~ MID1
hsa-miR-301a ~ FOXF2	FOXF2 ~ CRISPLD1	hsa-miR-301a ~ CRISPLD1
hsa-miR-301a ~ MAFB	MAFB ~ TGFA	hsa-miR-301a ~ TGFA
hsa-miR-140 ~ PAX6	PAX6 ~ PTCH1	hsa-miR-140 ~ PTCH1
hsa-miR-205 ~ PAX9	PAX9 ~ FGF2	hsa-miR-205 ~ FGF2
hsa-miR-92a ~ PAX9	PAX9 ~ FGF2	hsa-miR-92a ~ FGF2
hsa-miR-92b ~ PAX9	PAX9 ~ FGF2	hsa-miR-92b ~ FGF2
hsa-miR-135b ~ RARA	RARA ~ MID1	hsa-miR-135b ~ MID1
hsa-miR-135b ~ RARA	RARA ~ ZNF385B	hsa-miR-135b ~ ZNF385B
hsa-miR-205 ~ RARA	RARA ~ AXIN2	hsa-miR-205 ~ AXIN2
hsa-miR-27b ~ RARA	RARA ~ FGF1	hsa-miR-27b ~ FGF1
hsa-miR-27b ~ RARA	RARA ~ GABRB3	hsa-miR-27b ~ GABRB3
hsa-miR-27b ~ RARA	RARA ~ GDF6	hsa-miR-27b ~ GDF6
hsa-miR-27b ~ RARA	RARA ~ PDGFRA	hsa-miR-27b ~ PDGFRA
hsa-miR-27b ~ RARA	RARA ~ STAB2	hsa-miR-27b ~ STAB2
hsa-miR-27b ~ RARA	RARA ~ SUMO1	hsa-miR-27b ~ SUMO1
hsa-miR-140 ~ RUNX2	RUNX2 ~ PDGFRA	hsa-miR-140 ~ PDGFRA
hsa-miR-140 ~ RUNX2	RUNX2 ~ PTCH1	hsa-miR-140 ~ PTCH1
hsa-miR-155 ~ RUNX2	RUNX2 ~ DHFR	hsa-miR-155 ~ DHFR
hsa-miR-155 ~ RUNX2	RUNX2 ~ TPM1	hsa-miR-155 ~ TPM1
hsa-miR-155 ~ RUNX2	RUNX2 ~ WNT5A	hsa-miR-155 ~ WNT5A
hsa-miR-204 ~ RUNX2	RUNX2 ~ FGF18	hsa-miR-204 ~ FGF18
hsa-miR-204 ~ RUNX2	RUNX2 ~ GABRB3	hsa-miR-204 ~ GABRB3
hsa-miR-204 ~ RUNX2	RUNX2 ~ SMC2	hsa-miR-204 ~ SMC2
hsa-miR-205 ~ RUNX2	RUNX2 ~ TGFA	hsa-miR-205 ~ TGFA
hsa-miR-320b ~ RUNX2	RUNX2 ~ WDR1	hsa-miR-320b ~ WDR1
hsa-miR-505 ~ RUNX2	RUNX2 ~ FGF18	hsa-miR-505 ~ FGF18
hsa-miR-505 ~ RUNX2	RUNX2 ~ TGFA	hsa-miR-505 ~ TGFA
hsa-miR-505 ~ RUNX2	RUNX2 ~ ZNF385B	hsa-miR-505 ~ ZNF385B
hsa-miR-145 ~ SOX9	SOX9 ~ TPM1	hsa-miR-145 ~ TPM1

hsa-miR-145 ~ SP8	SP8 ~ ARHGAP29	hsa-miR-145 ~ ARHGAP29
hsa-miR-145 ~ SP8	SP8 ~ CRISPLD2	hsa-miR-145 ~ CRISPLD2
hsa-miR-145 ~ SP8	SP8 ~ FGFR3	hsa-miR-145 ~ FGFR3
hsa-miR-17 ~ SP8	SP8 ~ FGF4	hsa-miR-17 ~ FGF4
hsa-miR-17 ~ SP8	SP8 ~ TIMP2	hsa-miR-17 ~ TIMP2
hsa-miR-17 ~ SP8	SP8 ~ ZNF236	hsa-miR-17 ~ ZNF236
hsa-miR-20a ~ SP8	SP8 ~ FGF4	hsa-miR-20a ~ FGF4
hsa-miR-20a ~ SP8	SP8 ~ TIMP2	hsa-miR-20a ~ TIMP2
hsa-miR-20a ~ SP8	SP8 ~ ZNF236	hsa-miR-20a ~ ZNF236
hsa-miR-496 ~ SP8	SP8 ~ CRISPLD1	hsa-miR-496 ~ CRISPLD1
hsa-miR-496 ~ SP8	SP8 ~ FAM49A	hsa-miR-496 ~ FAM49A
hsa-miR-496 ~ SP8	SP8 ~ FGF2	hsa-miR-496 ~ FGF2
hsa-miR-496 ~ SP8	SP8 ~ RHPN2	hsa-miR-496 ~ RHPN2
hsa-miR-505 ~ SP8	SP8 ~ FGF18	hsa-miR-505 ~ FGF18
hsa-miR-505 ~ SP8	SP8 ~ RHPN2	hsa-miR-505 ~ RHPN2
hsa-miR-505 ~ SP8	SP8 ~ TGFA	hsa-miR-505 ~ TGFA
hsa-miR-505 ~ SP8	SP8 ~ ZNF385B	hsa-miR-505 ~ ZNF385B
hsa-miR-93 ~ SP8	SP8 ~ FGF4	hsa-miR-93 ~ FGF4
hsa-miR-93 ~ SP8	SP8 ~ TIMP2	hsa-miR-93 ~ TIMP2
hsa-miR-93 ~ SP8	SP8 ~ ZNF236	hsa-miR-93 ~ ZNF236
hsa-miR-135b ~ TFAP2A	TFAP2A ~ GCH1	hsa-miR-135b ~ GCH1
hsa-miR-135b ~ TFAP2A	TFAP2A ~ MID1	hsa-miR-135b ~ MID1
hsa-miR-135b ~ TFAP2A	TFAP2A ~ ZNF236	hsa-miR-135b ~ ZNF236
hsa-miR-135b ~ TFAP2A	TFAP2A ~ ZNF385B	hsa-miR-135b ~ ZNF385B
hsa-miR-204 ~ TFAP2A	TFAP2A ~ ARHGAP29	hsa-miR-204 ~ ARHGAP29
hsa-miR-204 ~ TFAP2A	TFAP2A ~ CYP1B1	hsa-miR-204 ~ CYP1B1
hsa-miR-204 ~ TFAP2A	TFAP2A ~ FGF18	hsa-miR-204 ~ FGF18
hsa-miR-204 ~ TFAP2A	TFAP2A ~ GABRB3	hsa-miR-204 ~ GABRB3
hsa-miR-204 ~ TFAP2A	TFAP2A ~ SMC2	hsa-miR-204 ~ SMC2
hsa-miR-410 ~ TFAP2A	TFAP2A ~ ARHGAP29	hsa-miR-410 ~ ARHGAP29
hsa-miR-410 ~ TFAP2A	TFAP2A ~ FGFR3	hsa-miR-410 ~ FGFR3
hsa-miR-410 ~ TFAP2A	TFAP2A ~ GDF6	hsa-miR-410 ~ GDF6
hsa-miR-410 ~ TFAP2A	TFAP2A ~ PTCH1	hsa-miR-410 ~ PTCH1
hsa-miR-410 ~ TFAP2A	TFAP2A ~ WNT11	hsa-miR-410 ~ WNT11
hsa-miR-410 ~ TFAP2A	TFAP2A ~ WNT3A	hsa-miR-410 ~ WNT3A

Table S5. Human cleft palate related miRNA-TF-gene type III motifs.

miRNA-TF pair	TF-Gene pair	miRNA-Gene pair	TF-miRNA pair
hsa-miR-155 ~ FOXE1	FOXE1 ~ DHFR	hsa-miR-155 ~ DHFR	FOXE1 ~ hsa-miR-155
hsa-miR-155 ~ FOXE1	FOXE1 ~ FGF7	hsa-miR-155 ~ FGF7	FOXE1 ~ hsa-miR-155
hsa-miR-155 ~ FOXE1	FOXE1 ~ NOS3	hsa-miR-155 ~ NOS3	FOXE1 ~ hsa-miR-155
hsa-miR-155 ~ FOXE1	FOXE1 ~ TPM1	hsa-miR-155 ~ TPM1	FOXE1 ~ hsa-miR-155
hsa-miR-155 ~ FOXE1	FOXE1 ~ WNT5A	hsa-miR-155 ~ WNT5A	FOXE1 ~ hsa-miR-155
hsa-miR-155 ~ FOXE1	FOXE1 ~ ZNF236	hsa-miR-155 ~ ZNF236	FOXE1 ~ hsa-miR-155
hsa-miR-205 ~ RUNX2	RUNX2 ~ TGFA	hsa-miR-205 ~ TGFA	RUNX2 ~ hsa-miR-205
hsa-miR-135b ~ TFAP2A	TFAP2A ~ GCH1	hsa-miR-135b ~ GCH1	TFAP2A ~ hsa-miR-135b
hsa-miR-135b ~ TFAP2A	TFAP2A ~ MID1	hsa-miR-135b ~ MID1	TFAP2A ~ hsa-miR-135b
hsa-miR-135b ~ TFAP2A	TFAP2A ~ ZNF236	hsa-miR-135b ~ ZNF236	TFAP2A ~ hsa-miR-135b
hsa-miR-135b ~ TFAP2A	TFAP2A ~ ZNF385B	hsa-miR-135b ~ ZNF385B	TFAP2A ~ hsa-miR-135b
hsa-miR-410 ~ TFAP2A	TFAP2A ~ ARHGAP29	hsa-miR-410 ~ ARHGAP29	TFAP2A ~ hsa-miR-410
hsa-miR-410 ~ TFAP2A	TFAP2A ~ FGFR3	hsa-miR-410 ~ FGFR3	TFAP2A ~ hsa-miR-410
hsa-miR-410 ~ TFAP2A	TFAP2A ~ GDF6	hsa-miR-410 ~ GDF6	TFAP2A ~ hsa-miR-410
hsa-miR-410 ~ TFAP2A	TFAP2A ~ PTCH1	hsa-miR-410 ~ PTCH1	TFAP2A ~ hsa-miR-410
hsa-miR-410 ~ TFAP2A	TFAP2A ~ WNT11	hsa-miR-410 ~ WNT11	TFAP2A ~ hsa-miR-410
hsa-miR-410 ~ TFAP2A	TFAP2A ~ WNT3A	hsa-miR-410 ~ WNT3A	TFAP2A ~ hsa-miR-410

Table S6. Mouse cleft palate related miRNA-TF-gene type I motifs.

TF-miRNA pair	miRNA-Gene pair	TF-Gene pair
Dlx6 ~ mmu-miR-30a	mmu-miR-30a ~ Chd7	Dlx6 ~ Chd7
Foxd3 ~ mmu-let-7b	mmu-let-7b ~ Bmpr1a	Foxd3 ~ Bmpr1a
Foxd3 ~ mmu-let-7b	mmu-let-7b ~ Cask	Foxd3 ~ Cask
Foxd3 ~ mmu-let-7b	mmu-let-7b ~ Chd7	Foxd3 ~ Chd7
Foxd3 ~ mmu-let-7b	mmu-let-7b ~ Fign	Foxd3 ~ Fign
Foxd3 ~ mmu-let-7b	mmu-let-7b ~ Piga	Foxd3 ~ Piga
Foxd3 ~ mmu-let-7b	mmu-let-7b ~ Rspo2	Foxd3 ~ Rspo2
Foxd3 ~ mmu-let-7b	mmu-let-7b ~ Tgfbr1	Foxd3 ~ Tgfbr1
Foxd3 ~ mmu-let-7b	mmu-let-7b ~ Tgfbr3	Foxd3 ~ Tgfbr3
Foxd3 ~ mmu-miR-133b	mmu-miR-133b ~ Ctgf	Foxd3 ~ Ctgf
Foxd3 ~ mmu-miR-133b	mmu-miR-133b ~ Eya4	Foxd3 ~ Eya4
Foxd3 ~ mmu-miR-133b	mmu-miR-133b ~ Fgfr1	Foxd3 ~ Fgfr1
Foxd3 ~ mmu-miR-133b	mmu-miR-133b ~ Fst	Foxd3 ~ Fst
Foxd3 ~ mmu-miR-133b	mmu-miR-133b ~ Tgfbr1	Foxd3 ~ Tgfbr1
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Efnb1	Foxd3 ~ Efnb1
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Fzd7	Foxd3 ~ Fzd7
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Gab1	Foxd3 ~ Gab1
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Gad2	Foxd3 ~ Gad2
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Ift88	Foxd3 ~ Ift88
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Luzp1	Foxd3 ~ Luzp1
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Pdgfra	Foxd3 ~ Pdgfra
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Sos1	Foxd3 ~ Sos1
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Tgfbr2	Foxd3 ~ Tgfbr2
Foxd3 ~ mmu-miR-17	mmu-miR-17 ~ Vegfa	Foxd3 ~ Vegfa
Foxd3 ~ mmu-miR-188	mmu-miR-188 ~ Ctnnbip1	Foxd3 ~ Ctnnbip1
Foxd3 ~ mmu-miR-188	mmu-miR-188 ~ Sos1	Foxd3 ~ Sos1
Foxd3 ~ mmu-miR-18a	mmu-miR-18a ~ Ap2b1	Foxd3 ~ Ap2b1
Foxd3 ~ mmu-miR-18a	mmu-miR-18a ~ Cdc42	Foxd3 ~ Cdc42
Foxd3 ~ mmu-miR-18a	mmu-miR-18a ~ Ctgf	Foxd3 ~ Ctgf
Foxd3 ~ mmu-miR-18a	mmu-miR-18a ~ Gab1	Foxd3 ~ Gab1
Foxd3 ~ mmu-miR-18a	mmu-miR-18a ~ Mapk1	Foxd3 ~ Mapk1
Foxd3 ~ mmu-miR-193b	mmu-miR-193b ~ Ap2b1	Foxd3 ~ Ap2b1
Foxd3 ~ mmu-miR-193b	mmu-miR-193b ~ Dlg1	Foxd3 ~ Dlg1
Foxd3 ~ mmu-miR-193b	mmu-miR-193b ~ Kcnj2	Foxd3 ~ Kcnj2
Foxd3 ~ mmu-miR-193b	mmu-miR-193b ~ Ptprf	Foxd3 ~ Ptprf
Foxd3 ~ mmu-miR-193b	mmu-miR-193b ~ Tgfb2	Foxd3 ~ Tgfb2
Foxd3 ~ mmu-miR-193b	mmu-miR-193b ~ Tgfbr3	Foxd3 ~ Tgfbr3
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Apaf1	Foxd3 ~ Apaf1
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Ctgf	Foxd3 ~ Ctgf
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Dicer1	Foxd3 ~ Dicer1
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Dlg1	Foxd3 ~ Dlg1
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Ephb3	Foxd3 ~ Ephb3
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Fgf10	Foxd3 ~ Fgf10
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Igf2r	Foxd3 ~ Igf2r
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Kcnj2	Foxd3 ~ Kcnj2

Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Kif3a	Foxd3 ~ Kif3a
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Lrp6	Foxd3 ~ Lrp6
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Mapk1	Foxd3 ~ Mapk1
Foxd3 ~ mmu-miR-19a	mmu-miR-19a ~ Tgfbr2	Foxd3 ~ Tgfbr2
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Acvr2a	Foxd3 ~ Acvr2a
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Apaf1	Foxd3 ~ Apaf1
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Bmi1	Foxd3 ~ Bmi1
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Eya4	Foxd3 ~ Eya4
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Fgf10	Foxd3 ~ Fgf10
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Impad1	Foxd3 ~ Impad1
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Mdm4	Foxd3 ~ Mdm4
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Pdgfra	Foxd3 ~ Pdgfra
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Pds5b	Foxd3 ~ Pds5b
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Piga	Foxd3 ~ Piga
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Rac1	Foxd3 ~ Rac1
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Schip1	Foxd3 ~ Schip1
Foxd3 ~ mmu-miR-200b	mmu-miR-200b ~ Vegfa	Foxd3 ~ Vegfa
Foxd3 ~ mmu-miR-20a	mmu-miR-20a ~ Efnb1	Foxd3 ~ Efnb1
Foxd3 ~ mmu-miR-20a	mmu-miR-20a ~ Gab1	Foxd3 ~ Gab1
Foxd3 ~ mmu-miR-20a	mmu-miR-20a ~ Gad2	Foxd3 ~ Gad2
Foxd3 ~ mmu-miR-20a	mmu-miR-20a ~ Luzp1	Foxd3 ~ Luzp1
Foxd3 ~ mmu-miR-20a	mmu-miR-20a ~ Pdgfra	Foxd3 ~ Pdgfra
Foxd3 ~ mmu-miR-20a	mmu-miR-20a ~ Sos1	Foxd3 ~ Sos1
Foxd3 ~ mmu-miR-20a	mmu-miR-20a ~ Tgfbr2	Foxd3 ~ Tgfbr2
Foxd3 ~ mmu-miR-20a	mmu-miR-20a ~ Vegfa	Foxd3 ~ Vegfa
Foxd3 ~ mmu-miR-22	mmu-miR-22 ~ Fgfr1	Foxd3 ~ Fgfr1
Foxd3 ~ mmu-miR-22	mmu-miR-22 ~ Fgfr2	Foxd3 ~ Fgfr2
Foxd3 ~ mmu-miR-22	mmu-miR-22 ~ Hspg2	Foxd3 ~ Hspg2
Foxd3 ~ mmu-miR-22	mmu-miR-22 ~ Tgfbr1	Foxd3 ~ Tgfbr1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Acvr2a	Foxd3 ~ Acvr2a
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Adamts20	Foxd3 ~ Adamts20
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Adamts9	Foxd3 ~ Adamts9
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Bmpr1a	Foxd3 ~ Bmpr1a
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Cdc42	Foxd3 ~ Cdc42
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Ctnnb1	Foxd3 ~ Ctnnb1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Ctnnbip1	Foxd3 ~ Ctnnbip1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Dicer1	Foxd3 ~ Dicer1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Efna5	Foxd3 ~ Efna5
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Ephb3	Foxd3 ~ Ephb3
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Fign	Foxd3 ~ Fign
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Gab1	Foxd3 ~ Gab1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Gsk3b	Foxd3 ~ Gsk3b
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Itgb1	Foxd3 ~ Itgb1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Lims1	Foxd3 ~ Lims1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Luzp1	Foxd3 ~ Luzp1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Pdgfc	Foxd3 ~ Pdgfc
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Pdgfrb	Foxd3 ~ Pdgfrb

Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Phc1	Foxd3 ~ Phc1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Plekha1	Foxd3 ~ Plekha1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Ptpn11	Foxd3 ~ Ptpn11
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Schip1	Foxd3 ~ Schip1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Spry1	Foxd3 ~ Spry1
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Tgfb2	Foxd3 ~ Tgfb2
Foxd3 ~ mmu-miR-29a	mmu-miR-29a ~ Vegfa	Foxd3 ~ Vegfa
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Adamts9	Foxd3 ~ Adamts9
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Ednrb	Foxd3 ~ Ednrb
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Fgf10	Foxd3 ~ Fgf10
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Gad2	Foxd3 ~ Gad2
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Gsk3b	Foxd3 ~ Gsk3b
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Rad23b	Foxd3 ~ Rad23b
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Tgfbr1	Foxd3 ~ Tgfbr1
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Tgfbr2	Foxd3 ~ Tgfbr2
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Tiparp	Foxd3 ~ Tiparp
Foxd3 ~ mmu-miR-302a	mmu-miR-302a ~ Vegfa	Foxd3 ~ Vegfa
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Acvr1	Foxd3 ~ Acvr1
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Adamts9	Foxd3 ~ Adamts9
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Apaf1	Foxd3 ~ Apaf1
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Chd7	Foxd3 ~ Chd7
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Ednrb	Foxd3 ~ Ednrb
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Ephb2	Foxd3 ~ Ephb2
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Eya1	Foxd3 ~ Eya1
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Eya4	Foxd3 ~ Eya4
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Fgf10	Foxd3 ~ Fgf10
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Fign	Foxd3 ~ Fign
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Fst	Foxd3 ~ Fst
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Fzd2	Foxd3 ~ Fzd2
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Fzd7	Foxd3 ~ Fzd7
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Glce	Foxd3 ~ Glce
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Igf2r	Foxd3 ~ Igf2r
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Inhba	Foxd3 ~ Inhba
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Insig2	Foxd3 ~ Insig2
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Kif3a	Foxd3 ~ Kif3a
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Mdm4	Foxd3 ~ Mdm4
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Pds5b	Foxd3 ~ Pds5b
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Piga	Foxd3 ~ Piga
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Prickle1	Foxd3 ~ Prickle1
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Rad23b	Foxd3 ~ Rad23b
Foxd3 ~ mmu-miR-30a	mmu-miR-30a ~ Sos1	Foxd3 ~ Sos1
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Acvr1	Foxd3 ~ Acvr1
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Adamts9	Foxd3 ~ Adamts9
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Akap8	Foxd3 ~ Akap8
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Cask	Foxd3 ~ Cask
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Chd7	Foxd3 ~ Chd7
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Ednrb	Foxd3 ~ Ednrb

Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Eya1	Foxd3 ~ Eya1
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Gad2	Foxd3 ~ Gad2
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Grb2	Foxd3 ~ Grb2
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Gsk3b	Foxd3 ~ Gsk3b
Foxd3 ~ mmu-miR-362	mmu-miR-362 ~ Insig2	Foxd3 ~ Insig2
Foxd3 ~ mmu-miR-367	mmu-miR-367 ~ Cask	Foxd3 ~ Cask
Foxd3 ~ mmu-miR-367	mmu-miR-367 ~ Cdkn1c	Foxd3 ~ Cdkn1c
Foxd3 ~ mmu-miR-367	mmu-miR-367 ~ Fst	Foxd3 ~ Fst
Foxd3 ~ mmu-miR-367	mmu-miR-367 ~ Ick	Foxd3 ~ Ick
Foxd3 ~ mmu-miR-367	mmu-miR-367 ~ Itgav	Foxd3 ~ Itgav
Foxd3 ~ mmu-miR-367	mmu-miR-367 ~ Luzp1	Foxd3 ~ Luzp1
Foxd3 ~ mmu-miR-367	mmu-miR-367 ~ Pds5b	Foxd3 ~ Pds5b
Foxd3 ~ mmu-miR-367	mmu-miR-367 ~ Plekha1	Foxd3 ~ Plekha1
Foxd3 ~ mmu-miR-367	mmu-miR-367 ~ Slc12a5	Foxd3 ~ Slc12a5
Foxd3 ~ mmu-miR-369	mmu-miR-369 ~ Cask	Foxd3 ~ Cask
Foxd3 ~ mmu-miR-369	mmu-miR-369 ~ Eya1	Foxd3 ~ Eya1
Foxd3 ~ mmu-miR-369	mmu-miR-369 ~ Gabrb3	Foxd3 ~ Gabrb3
Foxd3 ~ mmu-miR-369	mmu-miR-369 ~ Gsk3b	Foxd3 ~ Gsk3b
Foxd3 ~ mmu-miR-423	mmu-miR-423 ~ Fuz	Foxd3 ~ Fuz
Foxd3 ~ mmu-miR-452	mmu-miR-452 ~ Ephb3	Foxd3 ~ Ephb3
Foxd3 ~ mmu-miR-452	mmu-miR-452 ~ Lrp6	Foxd3 ~ Lrp6
Foxe1 ~ mmu-let-7b	mmu-let-7b ~ Bmpr1a	Foxe1 ~ Bmpr1a
Foxe1 ~ mmu-let-7b	mmu-let-7b ~ Cask	Foxe1 ~ Cask
Foxe1 ~ mmu-let-7b	mmu-let-7b ~ Chd7	Foxe1 ~ Chd7
Foxe1 ~ mmu-let-7b	mmu-let-7b ~ Fign	Foxe1 ~ Fign
Foxe1 ~ mmu-let-7b	mmu-let-7b ~ Piga	Foxe1 ~ Piga
Foxe1 ~ mmu-let-7b	mmu-let-7b ~ Rspo2	Foxe1 ~ Rspo2
Foxe1 ~ mmu-let-7b	mmu-let-7b ~ Tgfbr1	Foxe1 ~ Tgfbr1
Foxe1 ~ mmu-let-7b	mmu-let-7b ~ Tgfbr3	Foxe1 ~ Tgfbr3
Foxe1 ~ mmu-miR-133b	mmu-miR-133b ~ Ctgf	Foxe1 ~ Ctgf
Foxe1 ~ mmu-miR-133b	mmu-miR-133b ~ Eya4	Foxe1 ~ Eya4
Foxe1 ~ mmu-miR-133b	mmu-miR-133b ~ Fgfr1	Foxe1 ~ Fgfr1
Foxe1 ~ mmu-miR-133b	mmu-miR-133b ~ Fst	Foxe1 ~ Fst
Foxe1 ~ mmu-miR-133b	mmu-miR-133b ~ Tgfbr1	Foxe1 ~ Tgfbr1
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Efnb1	Foxe1 ~ Efnb1
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Fzd7	Foxe1 ~ Fzd7
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Gab1	Foxe1 ~ Gab1
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Gad2	Foxe1 ~ Gad2
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Ift88	Foxe1 ~ Ift88
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Luzp1	Foxe1 ~ Luzp1
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Pdgfra	Foxe1 ~ Pdgfra
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Sos1	Foxe1 ~ Sos1
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Tgfbr2	Foxe1 ~ Tgfbr2
Foxe1 ~ mmu-miR-17	mmu-miR-17 ~ Vegfa	Foxe1 ~ Vegfa
Foxe1 ~ mmu-miR-188	mmu-miR-188 ~ Ctnnbip1	Foxe1 ~ Ctnnbip1
Foxe1 ~ mmu-miR-188	mmu-miR-188 ~ Sos1	Foxe1 ~ Sos1
Foxe1 ~ mmu-miR-18a	mmu-miR-18a ~ Ap2b1	Foxe1 ~ Ap2b1

Foxe1 ~ mmu-miR-18a	mmu-miR-18a ~ Cdc42	Foxe1 ~ Cdc42
Foxe1 ~ mmu-miR-18a	mmu-miR-18a ~ Ctgf	Foxe1 ~ Ctgf
Foxe1 ~ mmu-miR-18a	mmu-miR-18a ~ Gab1	Foxe1 ~ Gab1
Foxe1 ~ mmu-miR-18a	mmu-miR-18a ~ Mapk1	Foxe1 ~ Mapk1
Foxe1 ~ mmu-miR-193b	mmu-miR-193b ~ Ap2b1	Foxe1 ~ Ap2b1
Foxe1 ~ mmu-miR-193b	mmu-miR-193b ~ Dlg1	Foxe1 ~ Dlg1
Foxe1 ~ mmu-miR-193b	mmu-miR-193b ~ Kcnj2	Foxe1 ~ Kcnj2
Foxe1 ~ mmu-miR-193b	mmu-miR-193b ~ Ptprf	Foxe1 ~ Ptprf
Foxe1 ~ mmu-miR-193b	mmu-miR-193b ~ Tgfb2	Foxe1 ~ Tgfb2
Foxe1 ~ mmu-miR-193b	mmu-miR-193b ~ Tgfbr3	Foxe1 ~ Tgfbr3
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Apaf1	Foxe1 ~ Apaf1
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Ctgf	Foxe1 ~ Ctgf
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Dicer1	Foxe1 ~ Dicer1
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Dlg1	Foxe1 ~ Dlg1
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Ephb3	Foxe1 ~ Ephb3
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Fgf10	Foxe1 ~ Fgf10
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Igf2r	Foxe1 ~ Igf2r
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Kcnj2	Foxe1 ~ Kcnj2
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Kif3a	Foxe1 ~ Kif3a
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Lrp6	Foxe1 ~ Lrp6
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Mapk1	Foxe1 ~ Mapk1
Foxe1 ~ mmu-miR-19a	mmu-miR-19a ~ Tgfbr2	Foxe1 ~ Tgfbr2
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Acvr2a	Foxe1 ~ Acvr2a
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Apaf1	Foxe1 ~ Apaf1
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Bmi1	Foxe1 ~ Bmi1
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Eya4	Foxe1 ~ Eya4
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Fgf10	Foxe1 ~ Fgf10
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Impad1	Foxe1 ~ Impad1
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Mdm4	Foxe1 ~ Mdm4
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Pdgfra	Foxe1 ~ Pdgfra
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Pds5b	Foxe1 ~ Pds5b
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Piga	Foxe1 ~ Piga
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Rac1	Foxe1 ~ Rac1
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Schip1	Foxe1 ~ Schip1
Foxe1 ~ mmu-miR-200b	mmu-miR-200b ~ Vegfa	Foxe1 ~ Vegfa
Foxe1 ~ mmu-miR-20a	mmu-miR-20a ~ Efnb1	Foxe1 ~ Efnb1
Foxe1 ~ mmu-miR-20a	mmu-miR-20a ~ Gab1	Foxe1 ~ Gab1
Foxe1 ~ mmu-miR-20a	mmu-miR-20a ~ Gad2	Foxe1 ~ Gad2
Foxe1 ~ mmu-miR-20a	mmu-miR-20a ~ Luzp1	Foxe1 ~ Luzp1
Foxe1 ~ mmu-miR-20a	mmu-miR-20a ~ Pdgfra	Foxe1 ~ Pdgfra
Foxe1 ~ mmu-miR-20a	mmu-miR-20a ~ Sos1	Foxe1 ~ Sos1
Foxe1 ~ mmu-miR-20a	mmu-miR-20a ~ Tgfbr2	Foxe1 ~ Tgfbr2
Foxe1 ~ mmu-miR-20a	mmu-miR-20a ~ Vegfa	Foxe1 ~ Vegfa
Foxe1 ~ mmu-miR-22	mmu-miR-22 ~ Fgfr1	Foxe1 ~ Fgfr1
Foxe1 ~ mmu-miR-22	mmu-miR-22 ~ Fgfr2	Foxe1 ~ Fgfr2
Foxe1 ~ mmu-miR-22	mmu-miR-22 ~ Hspg2	Foxe1 ~ Hspg2
Foxe1 ~ mmu-miR-22	mmu-miR-22 ~ Tgfbr1	Foxe1 ~ Tgfbr1

Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Acvr2a	Foxe1 ~ Acvr2a
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Adamts20	Foxe1 ~ Adamts20
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Adamts9	Foxe1 ~ Adamts9
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Bmpr1a	Foxe1 ~ Bmpr1a
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Cdc42	Foxe1 ~ Cdc42
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Ctnnb1	Foxe1 ~ Ctnnb1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Ctnnbip1	Foxe1 ~ Ctnnbip1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Dicer1	Foxe1 ~ Dicer1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Efna5	Foxe1 ~ Efna5
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Ephb3	Foxe1 ~ Ephb3
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Fign	Foxe1 ~ Fign
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Gab1	Foxe1 ~ Gab1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Gsk3b	Foxe1 ~ Gsk3b
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Itgb1	Foxe1 ~ Itgb1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Lims1	Foxe1 ~ Lims1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Luzp1	Foxe1 ~ Luzp1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Pdgfc	Foxe1 ~ Pdgfc
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Pdgfrb	Foxe1 ~ Pdgfrb
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Phc1	Foxe1 ~ Phc1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Plekha1	Foxe1 ~ Plekha1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Ptpn11	Foxe1 ~ Ptpn11
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Schip1	Foxe1 ~ Schip1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Spry1	Foxe1 ~ Spry1
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Tgfb2	Foxe1 ~ Tgfb2
Foxe1 ~ mmu-miR-29a	mmu-miR-29a ~ Vegfa	Foxe1 ~ Vegfa
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Adamts9	Foxe1 ~ Adamts9
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Ednrb	Foxe1 ~ Ednrb
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Fgf10	Foxe1 ~ Fgf10
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Gad2	Foxe1 ~ Gad2
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Gsk3b	Foxe1 ~ Gsk3b
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Rad23b	Foxe1 ~ Rad23b
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Tgfbr1	Foxe1 ~ Tgfbr1
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Tgfbr2	Foxe1 ~ Tgfbr2
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Tiparp	Foxe1 ~ Tiparp
Foxe1 ~ mmu-miR-302a	mmu-miR-302a ~ Vegfa	Foxe1 ~ Vegfa
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Acvr1	Foxe1 ~ Acvr1
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Adamts9	Foxe1 ~ Adamts9
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Apaf1	Foxe1 ~ Apaf1
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Chd7	Foxe1 ~ Chd7
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Ednrb	Foxe1 ~ Ednrb
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Ephb2	Foxe1 ~ Ephb2
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Eya1	Foxe1 ~ Eya1
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Eya4	Foxe1 ~ Eya4
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Fgf10	Foxe1 ~ Fgf10
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Fign	Foxe1 ~ Fign
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Fst	Foxe1 ~ Fst
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Fzd2	Foxe1 ~ Fzd2

Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Fzd7	Foxe1 ~ Fzd7
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Glce	Foxe1 ~ Glce
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Igf2r	Foxe1 ~ Igf2r
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Inhba	Foxe1 ~ Inhba
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Insig2	Foxe1 ~ Insig2
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Kif3a	Foxe1 ~ Kif3a
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Mdm4	Foxe1 ~ Mdm4
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Pds5b	Foxe1 ~ Pds5b
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Piga	Foxe1 ~ Piga
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Prickle1	Foxe1 ~ Prickle1
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Rad23b	Foxe1 ~ Rad23b
Foxe1 ~ mmu-miR-30a	mmu-miR-30a ~ Sos1	Foxe1 ~ Sos1
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Acvr1	Foxe1 ~ Acvr1
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Adamts9	Foxe1 ~ Adamts9
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Akap8	Foxe1 ~ Akap8
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Cask	Foxe1 ~ Cask
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Chd7	Foxe1 ~ Chd7
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Ednrb	Foxe1 ~ Ednrb
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Eya1	Foxe1 ~ Eya1
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Gad2	Foxe1 ~ Gad2
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Grb2	Foxe1 ~ Grb2
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Gsk3b	Foxe1 ~ Gsk3b
Foxe1 ~ mmu-miR-362	mmu-miR-362 ~ Insig2	Foxe1 ~ Insig2
Foxe1 ~ mmu-miR-367	mmu-miR-367 ~ Cask	Foxe1 ~ Cask
Foxe1 ~ mmu-miR-367	mmu-miR-367 ~ Cdkn1c	Foxe1 ~ Cdkn1c
Foxe1 ~ mmu-miR-367	mmu-miR-367 ~ Fst	Foxe1 ~ Fst
Foxe1 ~ mmu-miR-367	mmu-miR-367 ~ Ick	Foxe1 ~ Ick
Foxe1 ~ mmu-miR-367	mmu-miR-367 ~ Itgav	Foxe1 ~ Itgav
Foxe1 ~ mmu-miR-367	mmu-miR-367 ~ Luzp1	Foxe1 ~ Luzp1
Foxe1 ~ mmu-miR-367	mmu-miR-367 ~ Pds5b	Foxe1 ~ Pds5b
Foxe1 ~ mmu-miR-367	mmu-miR-367 ~ Plekha1	Foxe1 ~ Plekha1
Foxe1 ~ mmu-miR-367	mmu-miR-367 ~ Slc12a5	Foxe1 ~ Slc12a5
Foxe1 ~ mmu-miR-369	mmu-miR-369 ~ Cask	Foxe1 ~ Cask
Foxe1 ~ mmu-miR-369	mmu-miR-369 ~ Eya1	Foxe1 ~ Eya1
Foxe1 ~ mmu-miR-369	mmu-miR-369 ~ Gabrb3	Foxe1 ~ Gabrb3
Foxe1 ~ mmu-miR-369	mmu-miR-369 ~ Gsk3b	Foxe1 ~ Gsk3b
Foxe1 ~ mmu-miR-423	mmu-miR-423 ~ Fuz	Foxe1 ~ Fuz
Foxe1 ~ mmu-miR-452	mmu-miR-452 ~ Ephb3	Foxe1 ~ Ephb3
Foxe1 ~ mmu-miR-452	mmu-miR-452 ~ Lrp6	Foxe1 ~ Lrp6
Foxf2 ~ mmu-let-7b	mmu-let-7b ~ Bmpr1a	Foxf2 ~ Bmpr1a
Foxf2 ~ mmu-let-7b	mmu-let-7b ~ Cask	Foxf2 ~ Cask
Foxf2 ~ mmu-let-7b	mmu-let-7b ~ Chd7	Foxf2 ~ Chd7
Foxf2 ~ mmu-let-7b	mmu-let-7b ~ Fign	Foxf2 ~ Fign
Foxf2 ~ mmu-let-7b	mmu-let-7b ~ Piga	Foxf2 ~ Piga
Foxf2 ~ mmu-let-7b	mmu-let-7b ~ Rspo2	Foxf2 ~ Rspo2
Foxf2 ~ mmu-let-7b	mmu-let-7b ~ Tgfbr1	Foxf2 ~ Tgfbr1
Foxf2 ~ mmu-let-7b	mmu-let-7b ~ Tgfbr3	Foxf2 ~ Tgfbr3

Foxf2 ~ mmu-miR-133b	mmu-miR-133b ~ Ctgf	Foxf2 ~ Ctgf
Foxf2 ~ mmu-miR-133b	mmu-miR-133b ~ Eya4	Foxf2 ~ Eya4
Foxf2 ~ mmu-miR-133b	mmu-miR-133b ~ Fgfr1	Foxf2 ~ Fgfr1
Foxf2 ~ mmu-miR-133b	mmu-miR-133b ~ Fst	Foxf2 ~ Fst
Foxf2 ~ mmu-miR-133b	mmu-miR-133b ~ Tgfbr1	Foxf2 ~ Tgfbr1
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Efnb1	Foxf2 ~ Efnb1
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Fzd7	Foxf2 ~ Fzd7
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Gab1	Foxf2 ~ Gab1
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Gad2	Foxf2 ~ Gad2
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Ift88	Foxf2 ~ Ift88
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Luzp1	Foxf2 ~ Luzp1
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Pdgfra	Foxf2 ~ Pdgfra
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Sos1	Foxf2 ~ Sos1
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Tgfbr2	Foxf2 ~ Tgfbr2
Foxf2 ~ mmu-miR-17	mmu-miR-17 ~ Vegfa	Foxf2 ~ Vegfa
Foxf2 ~ mmu-miR-188	mmu-miR-188 ~ Ctnnbip1	Foxf2 ~ Ctnnbip1
Foxf2 ~ mmu-miR-188	mmu-miR-188 ~ Sos1	Foxf2 ~ Sos1
Foxf2 ~ mmu-miR-18a	mmu-miR-18a ~ Ap2b1	Foxf2 ~ Ap2b1
Foxf2 ~ mmu-miR-18a	mmu-miR-18a ~ Cdc42	Foxf2 ~ Cdc42
Foxf2 ~ mmu-miR-18a	mmu-miR-18a ~ Ctgf	Foxf2 ~ Ctgf
Foxf2 ~ mmu-miR-18a	mmu-miR-18a ~ Gab1	Foxf2 ~ Gab1
Foxf2 ~ mmu-miR-18a	mmu-miR-18a ~ Mapk1	Foxf2 ~ Mapk1
Foxf2 ~ mmu-miR-193b	mmu-miR-193b ~ Ap2b1	Foxf2 ~ Ap2b1
Foxf2 ~ mmu-miR-193b	mmu-miR-193b ~ Dlg1	Foxf2 ~ Dlg1
Foxf2 ~ mmu-miR-193b	mmu-miR-193b ~ Kcnj2	Foxf2 ~ Kcnj2
Foxf2 ~ mmu-miR-193b	mmu-miR-193b ~ Ptprf	Foxf2 ~ Ptprf
Foxf2 ~ mmu-miR-193b	mmu-miR-193b ~ Tgfb2	Foxf2 ~ Tgfb2
Foxf2 ~ mmu-miR-193b	mmu-miR-193b ~ Tgfbr3	Foxf2 ~ Tgfbr3
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Apaf1	Foxf2 ~ Apaf1
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Ctgf	Foxf2 ~ Ctgf
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Dicer1	Foxf2 ~ Dicer1
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Dlg1	Foxf2 ~ Dlg1
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Ephb3	Foxf2 ~ Ephb3
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Fgf10	Foxf2 ~ Fgf10
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Igf2r	Foxf2 ~ Igf2r
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Kcnj2	Foxf2 ~ Kcnj2
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Kif3a	Foxf2 ~ Kif3a
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Lrp6	Foxf2 ~ Lrp6
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Mapk1	Foxf2 ~ Mapk1
Foxf2 ~ mmu-miR-19a	mmu-miR-19a ~ Tgfbr2	Foxf2 ~ Tgfbr2
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Acvr2a	Foxf2 ~ Acvr2a
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Apaf1	Foxf2 ~ Apaf1
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Bmi1	Foxf2 ~ Bmi1
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Eya4	Foxf2 ~ Eya4
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Fgf10	Foxf2 ~ Fgf10
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Impad1	Foxf2 ~ Impad1
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Mdm4	Foxf2 ~ Mdm4

Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Pdgfra	Foxf2 ~ Pdgfra
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Pds5b	Foxf2 ~ Pds5b
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Piga	Foxf2 ~ Piga
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Rac1	Foxf2 ~ Rac1
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Schip1	Foxf2 ~ Schip1
Foxf2 ~ mmu-miR-200b	mmu-miR-200b ~ Vegfa	Foxf2 ~ Vegfa
Foxf2 ~ mmu-miR-20a	mmu-miR-20a ~ Efnb1	Foxf2 ~ Efnb1
Foxf2 ~ mmu-miR-20a	mmu-miR-20a ~ Gab1	Foxf2 ~ Gab1
Foxf2 ~ mmu-miR-20a	mmu-miR-20a ~ Gad2	Foxf2 ~ Gad2
Foxf2 ~ mmu-miR-20a	mmu-miR-20a ~ Luzp1	Foxf2 ~ Luzp1
Foxf2 ~ mmu-miR-20a	mmu-miR-20a ~ Pdgfra	Foxf2 ~ Pdgfra
Foxf2 ~ mmu-miR-20a	mmu-miR-20a ~ Sos1	Foxf2 ~ Sos1
Foxf2 ~ mmu-miR-20a	mmu-miR-20a ~ Tgfbr2	Foxf2 ~ Tgfbr2
Foxf2 ~ mmu-miR-20a	mmu-miR-20a ~ Vegfa	Foxf2 ~ Vegfa
Foxf2 ~ mmu-miR-22	mmu-miR-22 ~ Fgfr1	Foxf2 ~ Fgfr1
Foxf2 ~ mmu-miR-22	mmu-miR-22 ~ Fgfr2	Foxf2 ~ Fgfr2
Foxf2 ~ mmu-miR-22	mmu-miR-22 ~ Hspg2	Foxf2 ~ Hspg2
Foxf2 ~ mmu-miR-22	mmu-miR-22 ~ Tgfbr1	Foxf2 ~ Tgfbr1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Acvr2a	Foxf2 ~ Acvr2a
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Adamts20	Foxf2 ~ Adamts20
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Adamts9	Foxf2 ~ Adamts9
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Bmpr1a	Foxf2 ~ Bmpr1a
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Cdc42	Foxf2 ~ Cdc42
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Ctnnb1	Foxf2 ~ Ctnnb1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Ctnnbip1	Foxf2 ~ Ctnnbip1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Dicer1	Foxf2 ~ Dicer1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Efna5	Foxf2 ~ Efna5
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Ephb3	Foxf2 ~ Ephb3
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Fign	Foxf2 ~ Fign
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Gab1	Foxf2 ~ Gab1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Gsk3b	Foxf2 ~ Gsk3b
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Itgb1	Foxf2 ~ Itgb1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Lims1	Foxf2 ~ Lims1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Luzp1	Foxf2 ~ Luzp1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Pdgfc	Foxf2 ~ Pdgfc
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Pdgfrb	Foxf2 ~ Pdgfrb
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Phc1	Foxf2 ~ Phc1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Plekha1	Foxf2 ~ Plekha1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Ptpn11	Foxf2 ~ Ptpn11
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Schip1	Foxf2 ~ Schip1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Spry1	Foxf2 ~ Spry1
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Tgfb2	Foxf2 ~ Tgfb2
Foxf2 ~ mmu-miR-29a	mmu-miR-29a ~ Vegfa	Foxf2 ~ Vegfa
Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Adamts9	Foxf2 ~ Adamts9
Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Ednrb	Foxf2 ~ Ednrb
Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Fgf10	Foxf2 ~ Fgf10
Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Gad2	Foxf2 ~ Gad2

Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Gsk3b	Foxf2 ~ Gsk3b
Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Rad23b	Foxf2 ~ Rad23b
Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Tgfbr1	Foxf2 ~ Tgfbr1
Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Tgfbr2	Foxf2 ~ Tgfbr2
Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Tiparp	Foxf2 ~ Tiparp
Foxf2 ~ mmu-miR-302a	mmu-miR-302a ~ Vegfa	Foxf2 ~ Vegfa
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Acvr1	Foxf2 ~ Acvr1
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Adamts9	Foxf2 ~ Adamts9
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Apaf1	Foxf2 ~ Apaf1
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Chd7	Foxf2 ~ Chd7
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Ednrb	Foxf2 ~ Ednrb
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Ephb2	Foxf2 ~ Ephb2
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Eya1	Foxf2 ~ Eya1
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Eya4	Foxf2 ~ Eya4
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Fgf10	Foxf2 ~ Fgf10
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Fign	Foxf2 ~ Fign
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Fst	Foxf2 ~ Fst
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Fzd2	Foxf2 ~ Fzd2
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Fzd7	Foxf2 ~ Fzd7
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Glce	Foxf2 ~ Glce
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Igf2r	Foxf2 ~ Igf2r
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Inhba	Foxf2 ~ Inhba
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Insig2	Foxf2 ~ Insig2
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Kif3a	Foxf2 ~ Kif3a
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Mdm4	Foxf2 ~ Mdm4
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Pds5b	Foxf2 ~ Pds5b
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Piga	Foxf2 ~ Piga
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Prickle1	Foxf2 ~ Prickle1
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Rad23b	Foxf2 ~ Rad23b
Foxf2 ~ mmu-miR-30a	mmu-miR-30a ~ Sos1	Foxf2 ~ Sos1
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Acvr1	Foxf2 ~ Acvr1
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Adamts9	Foxf2 ~ Adamts9
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Akap8	Foxf2 ~ Akap8
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Cask	Foxf2 ~ Cask
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Chd7	Foxf2 ~ Chd7
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Ednrb	Foxf2 ~ Ednrb
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Eya1	Foxf2 ~ Eya1
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Gad2	Foxf2 ~ Gad2
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Grb2	Foxf2 ~ Grb2
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Gsk3b	Foxf2 ~ Gsk3b
Foxf2 ~ mmu-miR-362	mmu-miR-362 ~ Insig2	Foxf2 ~ Insig2
Foxf2 ~ mmu-miR-367	mmu-miR-367 ~ Cask	Foxf2 ~ Cask
Foxf2 ~ mmu-miR-367	mmu-miR-367 ~ Cdkn1c	Foxf2 ~ Cdkn1c
Foxf2 ~ mmu-miR-367	mmu-miR-367 ~ Fst	Foxf2 ~ Fst
Foxf2 ~ mmu-miR-367	mmu-miR-367 ~ Ick	Foxf2 ~ Ick
Foxf2 ~ mmu-miR-367	mmu-miR-367 ~ Itgav	Foxf2 ~ Itgav
Foxf2 ~ mmu-miR-367	mmu-miR-367 ~ Luzp1	Foxf2 ~ Luzp1

Foxf2 ~ mmu-miR-367	mmu-miR-367 ~ Pds5b	Foxf2 ~ Pds5b
Foxf2 ~ mmu-miR-367	mmu-miR-367 ~ Plekha1	Foxf2 ~ Plekha1
Foxf2 ~ mmu-miR-367	mmu-miR-367 ~ Slc12a5	Foxf2 ~ Slc12a5
Foxf2 ~ mmu-miR-369	mmu-miR-369 ~ Cask	Foxf2 ~ Cask
Foxf2 ~ mmu-miR-369	mmu-miR-369 ~ Eya1	Foxf2 ~ Eya1
Foxf2 ~ mmu-miR-369	mmu-miR-369 ~ Gabrb3	Foxf2 ~ Gabrb3
Foxf2 ~ mmu-miR-369	mmu-miR-369 ~ Gsk3b	Foxf2 ~ Gsk3b
Foxf2 ~ mmu-miR-423	mmu-miR-423 ~ Fuz	Foxf2 ~ Fuz
Foxf2 ~ mmu-miR-452	mmu-miR-452 ~ Ephb3	Foxf2 ~ Ephb3
Foxf2 ~ mmu-miR-452	mmu-miR-452 ~ Lrp6	Foxf2 ~ Lrp6
Gli2 ~ mmu-miR-152	mmu-miR-152 ~ Chuk	Gli2 ~ Chuk
Gli2 ~ mmu-miR-152	mmu-miR-152 ~ Sos1	Gli2 ~ Sos1
Gli2 ~ mmu-miR-188	mmu-miR-188 ~ Sos1	Gli2 ~ Sos1
Gli2 ~ mmu-miR-203	mmu-miR-203 ~ Ick	Gli2 ~ Ick
Gli2 ~ mmu-miR-203	mmu-miR-203 ~ Wls	Gli2 ~ Wls
Gli2 ~ mmu-miR-30a	mmu-miR-30a ~ Apaf1	Gli2 ~ Apaf1
Gli2 ~ mmu-miR-30a	mmu-miR-30a ~ Fst	Gli2 ~ Fst
Gli2 ~ mmu-miR-30a	mmu-miR-30a ~ Rad23b	Gli2 ~ Rad23b
Gli2 ~ mmu-miR-30a	mmu-miR-30a ~ Sos1	Gli2 ~ Sos1
Gli2 ~ mmu-miR-362	mmu-miR-362 ~ Gsk3b	Gli2 ~ Gsk3b
Gli2 ~ mmu-miR-362	mmu-miR-362 ~ Loxl3	Gli2 ~ Loxl3
Gli2 ~ mmu-miR-369	mmu-miR-369 ~ Gsk3b	Gli2 ~ Gsk3b
Gli3 ~ mmu-miR-369	mmu-miR-369 ~ Gsk3b	Gli3 ~ Gsk3b
Gsc ~ mmu-miR-152	mmu-miR-152 ~ Itga5	Gsc ~ Itga5
Gsc ~ mmu-miR-152	mmu-miR-152 ~ Nrp1	Gsc ~ Nrp1
Gsc ~ mmu-miR-200b	mmu-miR-200b ~ Pdgfra	Gsc ~ Pdgfra
Hand1 ~ mmu-miR-367	mmu-miR-367 ~ Itga5	Hand1 ~ Itga5
Hand1 ~ mmu-miR-367	mmu-miR-367 ~ Plekha1	Hand1 ~ Plekha1
Hand2 ~ mmu-miR-367	mmu-miR-367 ~ Itga5	Hand2 ~ Itga5
Hand2 ~ mmu-miR-367	mmu-miR-367 ~ Plekha1	Hand2 ~ Plekha1
Hic1 ~ mmu-miR-29a	mmu-miR-29a ~ Luzp1	Hic1 ~ Luzp1
Hic1 ~ mmu-miR-29a	mmu-miR-29a ~ Ptpn11	Hic1 ~ Ptpn11
Mef2c ~ mmu-let-7b	mmu-let-7b ~ Piga	Mef2c ~ Piga
Mef2c ~ mmu-miR-193b	mmu-miR-193b ~ Tgfb2	Mef2c ~ Tgfb2
Pax9 ~ mmu-miR-140	mmu-miR-140 ~ Hs2st1	Pax9 ~ Hs2st1
Pax9 ~ mmu-miR-140	mmu-miR-140 ~ Pdgfra	Pax9 ~ Pdgfra
Pax9 ~ mmu-miR-140	mmu-miR-140 ~ Rac1	Pax9 ~ Rac1
Pax9 ~ mmu-miR-140	mmu-miR-140 ~ Tgfbr1	Pax9 ~ Tgfbr1
Pax9 ~ mmu-miR-152	mmu-miR-152 ~ Acvr1	Pax9 ~ Acvr1
Pax9 ~ mmu-miR-152	mmu-miR-152 ~ Col2a1	Pax9 ~ Col2a1
Pax9 ~ mmu-miR-152	mmu-miR-152 ~ Fbxo11	Pax9 ~ Fbxo11
Pax9 ~ mmu-miR-152	mmu-miR-152 ~ Itgb6	Pax9 ~ Itgb6
Pax9 ~ mmu-miR-152	mmu-miR-152 ~ Itgb8	Pax9 ~ Itgb8
Pax9 ~ mmu-miR-152	mmu-miR-152 ~ Tgfb2	Pax9 ~ Tgfb2
Pax9 ~ mmu-miR-152	mmu-miR-152 ~ Tgfbr1	Pax9 ~ Tgfbr1
Pax9 ~ mmu-miR-154	mmu-miR-154 ~ Bmpr1a	Pax9 ~ Bmpr1a
Pax9 ~ mmu-miR-188	mmu-miR-188 ~ Ctnnbip1	Pax9 ~ Ctnnbip1

Pax9 ~ mmu-miR-188	mmu-miR-188 ~ Fbxo11	Pax9 ~ Fbxo11
Pax9 ~ mmu-miR-193b	mmu-miR-193b ~ Kcnj2	Pax9 ~ Kcnj2
Pax9 ~ mmu-miR-193b	mmu-miR-193b ~ Mmp14	Pax9 ~ Mmp14
Pax9 ~ mmu-miR-193b	mmu-miR-193b ~ Tgfb2	Pax9 ~ Tgfb2
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Acvr2a	Pax9 ~ Acvr2a
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Cask	Pax9 ~ Cask
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Eya1	Pax9 ~ Eya1
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Fbxo11	Pax9 ~ Fbxo11
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Fign	Pax9 ~ Fign
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Gabrb3	Pax9 ~ Gabrb3
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Gad2	Pax9 ~ Gad2
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Glce	Pax9 ~ Glce
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Ick	Pax9 ~ Ick
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Igf2r	Pax9 ~ Igf2r
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Mmp16	Pax9 ~ Mmp16
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Pdgfra	Pax9 ~ Pdgfra
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Slc32a1	Pax9 ~ Slc32a1
Pax9 ~ mmu-miR-203	mmu-miR-203 ~ Vcan	Pax9 ~ Vcan
Pax9 ~ mmu-miR-362	mmu-miR-362 ~ Acvr1	Pax9 ~ Acvr1
Pax9 ~ mmu-miR-362	mmu-miR-362 ~ Cask	Pax9 ~ Cask
Pax9 ~ mmu-miR-362	mmu-miR-362 ~ Ednrb	Pax9 ~ Ednrb
Pax9 ~ mmu-miR-362	mmu-miR-362 ~ Eya1	Pax9 ~ Eya1
Pax9 ~ mmu-miR-362	mmu-miR-362 ~ Gad2	Pax9 ~ Gad2
Pax9 ~ mmu-miR-362	mmu-miR-362 ~ Grb2	Pax9 ~ Grb2
Pax9 ~ mmu-miR-362	mmu-miR-362 ~ Loxl3	Pax9 ~ Loxl3
Pitx1 ~ mmu-miR-152	mmu-miR-152 ~ Itga5	Pitx1 ~ Itga5
Runx1 ~ mmu-miR-152	mmu-miR-152 ~ Col2a1	Runx1 ~ Col2a1
Runx1 ~ mmu-miR-152	mmu-miR-152 ~ Lbr	Runx1 ~ Lbr
Runx1 ~ mmu-miR-30a	mmu-miR-30a ~ Eya1	Runx1 ~ Eya1
Runx1 ~ mmu-miR-30a	mmu-miR-30a ~ Inhba	Runx1 ~ Inhba
Snai2 ~ mmu-miR-200b	mmu-miR-200b ~ Eya4	Snai2 ~ Eya4
Snai2 ~ mmu-miR-22	mmu-miR-22 ~ Tgfbr1	Snai2 ~ Tgfbr1
Snai2 ~ mmu-miR-29a	mmu-miR-29a ~ Bmpr1a	Snai2 ~ Bmpr1a
Snai2 ~ mmu-miR-29a	mmu-miR-29a ~ Insig1	Snai2 ~ Insig1
Snai2 ~ mmu-miR-29a	mmu-miR-29a ~ Itgb1	Snai2 ~ Itgb1
Sox2 ~ mmu-miR-302a	mmu-miR-302a ~ Itgb8	Sox2 ~ Itgb8
Sox2 ~ mmu-miR-30a	mmu-miR-30a ~ Eya1	Sox2 ~ Eya1
Sox2 ~ mmu-miR-367	mmu-miR-367 ~ Plekha1	Sox2 ~ Plekha1
Sox9 ~ mmu-let-7b	mmu-let-7b ~ Bmpr1a	Sox9 ~ Bmpr1a
Sox9 ~ mmu-let-7b	mmu-let-7b ~ Fign	Sox9 ~ Fign
Sox9 ~ mmu-let-7b	mmu-let-7b ~ Rspo2	Sox9 ~ Rspo2
Sox9 ~ mmu-let-7b	mmu-let-7b ~ Tgfbr3	Sox9 ~ Tgfbr3
Sox9 ~ mmu-let-7b	mmu-let-7b ~ Wnt9b	Sox9 ~ Wnt9b
Sox9 ~ mmu-miR-19a	mmu-miR-19a ~ Igf2r	Sox9 ~ Igf2r
Sox9 ~ mmu-miR-19a	mmu-miR-19a ~ Kcnj2	Sox9 ~ Kcnj2
Sox9 ~ mmu-miR-20a	mmu-miR-20a ~ Itgb8	Sox9 ~ Itgb8
Sox9 ~ mmu-miR-20a	mmu-miR-20a ~ Luzp1	Sox9 ~ Luzp1

Sox9 ~ mmu-miR-20a	mmu-miR-20a ~ Vegfa	Sox9 ~ Vegfa
Sox9 ~ mmu-miR-20a	mmu-miR-20a ~ Wnt9b	Sox9 ~ Wnt9b
Sox9 ~ mmu-miR-423	mmu-miR-423 ~ Fuz	Sox9 ~ Fuz
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Bmpr1a	Sp8 ~ Bmpr1a
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Cask	Sp8 ~ Cask
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Chd7	Sp8 ~ Chd7
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Chrd	Sp8 ~ Chrd
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Crk	Sp8 ~ Crk
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Edn1	Sp8 ~ Edn1
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Fign	Sp8 ~ Fign
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Lbr	Sp8 ~ Lbr
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Piga	Sp8 ~ Piga
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Tgfbr1	Sp8 ~ Tgfbr1
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Tgfbr3	Sp8 ~ Tgfbr3
Sp8 ~ mmu-let-7b	mmu-let-7b ~ Wnt9b	Sp8 ~ Wnt9b
Sp8 ~ mmu-miR-140	mmu-miR-140 ~ Fgf9	Sp8 ~ Fgf9
Sp8 ~ mmu-miR-140	mmu-miR-140 ~ Hs2st1	Sp8 ~ Hs2st1
Sp8 ~ mmu-miR-140	mmu-miR-140 ~ Nog	Sp8 ~ Nog
Sp8 ~ mmu-miR-140	mmu-miR-140 ~ Pdgfra	Sp8 ~ Pdgfra
Sp8 ~ mmu-miR-140	mmu-miR-140 ~ Rac1	Sp8 ~ Rac1
Sp8 ~ mmu-miR-140	mmu-miR-140 ~ Tgfbr1	Sp8 ~ Tgfbr1
Sp8 ~ mmu-miR-140	mmu-miR-140 ~ Tgfbr3	Sp8 ~ Tgfbr3
Sp8 ~ mmu-miR-140	mmu-miR-140 ~ Vegfa	Sp8 ~ Vegfa
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Acvr1	Sp8 ~ Acvr1
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Chuk	Sp8 ~ Chuk
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Col2a1	Sp8 ~ Col2a1
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Crk	Sp8 ~ Crk
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Dicer1	Sp8 ~ Dicer1
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Fbxo11	Sp8 ~ Fbxo11
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Inhbb	Sp8 ~ Inhbb
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Itga5	Sp8 ~ Itga5
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Itgb6	Sp8 ~ Itgb6
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Itgb8	Sp8 ~ Itgb8
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Lbr	Sp8 ~ Lbr
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Nog	Sp8 ~ Nog
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Nrp1	Sp8 ~ Nrp1
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Sos1	Sp8 ~ Sos1
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Tgfb2	Sp8 ~ Tgfb2
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Tgfbr1	Sp8 ~ Tgfbr1
Sp8 ~ mmu-miR-152	mmu-miR-152 ~ Tiparp	Sp8 ~ Tiparp
Sp8 ~ mmu-miR-154	mmu-miR-154 ~ Bmpr1a	Sp8 ~ Bmpr1a
Sp8 ~ mmu-miR-154	mmu-miR-154 ~ Dicer1	Sp8 ~ Dicer1
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Crk	Sp8 ~ Crk
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Efnb1	Sp8 ~ Efnb1
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Fzd7	Sp8 ~ Fzd7
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Gab1	Sp8 ~ Gab1
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Gad2	Sp8 ~ Gad2

Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Hs2st1	Sp8 ~ Hs2st1
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Ift88	Sp8 ~ Ift88
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Itgb8	Sp8 ~ Itgb8
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Luzp1	Sp8 ~ Luzp1
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Pdgfra	Sp8 ~ Pdgfra
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Smoc1	Sp8 ~ Smoc1
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Sos1	Sp8 ~ Sos1
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Tgfbr2	Sp8 ~ Tgfbr2
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Vegfa	Sp8 ~ Vegfa
Sp8 ~ mmu-miR-17	mmu-miR-17 ~ Wnt9b	Sp8 ~ Wnt9b
Sp8 ~ mmu-miR-188	mmu-miR-188 ~ Ctnnbip1	Sp8 ~ Ctnnbip1
Sp8 ~ mmu-miR-188	mmu-miR-188 ~ Fbxo11	Sp8 ~ Fbxo11
Sp8 ~ mmu-miR-188	mmu-miR-188 ~ Sos1	Sp8 ~ Sos1
Sp8 ~ mmu-miR-18a	mmu-miR-18a ~ Ap2b1	Sp8 ~ Ap2b1
Sp8 ~ mmu-miR-18a	mmu-miR-18a ~ Cdc42	Sp8 ~ Cdc42
Sp8 ~ mmu-miR-18a	mmu-miR-18a ~ Ctgf	Sp8 ~ Ctgf
Sp8 ~ mmu-miR-18a	mmu-miR-18a ~ Gab1	Sp8 ~ Gab1
Sp8 ~ mmu-miR-18a	mmu-miR-18a ~ Mapk1	Sp8 ~ Mapk1
Sp8 ~ mmu-miR-193b	mmu-miR-193b ~ Ap2b1	Sp8 ~ Ap2b1
Sp8 ~ mmu-miR-193b	mmu-miR-193b ~ Dlg1	Sp8 ~ Dlg1
Sp8 ~ mmu-miR-193b	mmu-miR-193b ~ Kcnj2	Sp8 ~ Kcnj2
Sp8 ~ mmu-miR-193b	mmu-miR-193b ~ Mmp14	Sp8 ~ Mmp14
Sp8 ~ mmu-miR-193b	mmu-miR-193b ~ Ptprf	Sp8 ~ Ptprf
Sp8 ~ mmu-miR-193b	mmu-miR-193b ~ Tgfb2	Sp8 ~ Tgfb2
Sp8 ~ mmu-miR-193b	mmu-miR-193b ~ Tgfbr3	Sp8 ~ Tgfbr3
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Apaf1	Sp8 ~ Apaf1
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Ctgf	Sp8 ~ Ctgf
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Dicer1	Sp8 ~ Dicer1
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Dlg1	Sp8 ~ Dlg1
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Ephb3	Sp8 ~ Ephb3
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Fgf10	Sp8 ~ Fgf10
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Igf2r	Sp8 ~ Igf2r
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Inhbb	Sp8 ~ Inhbb
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Kcnj2	Sp8 ~ Kcnj2
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Kif3a	Sp8 ~ Kif3a
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Lrp6	Sp8 ~ Lrp6
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Mapk1	Sp8 ~ Mapk1
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Smoc1	Sp8 ~ Smoc1
Sp8 ~ mmu-miR-19a	mmu-miR-19a ~ Tgfbr2	Sp8 ~ Tgfbr2
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Acvr2a	Sp8 ~ Acvr2a
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Ap2b1	Sp8 ~ Ap2b1
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Bmi1	Sp8 ~ Bmi1
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Cask	Sp8 ~ Cask
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Crk	Sp8 ~ Crk
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Dlg1	Sp8 ~ Dlg1
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Edn1	Sp8 ~ Edn1
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Eya1	Sp8 ~ Eya1

Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Eya4	Sp8 ~ Eya4
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Fbxo11	Sp8 ~ Fbxo11
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Fign	Sp8 ~ Fign
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Gabrb3	Sp8 ~ Gabrb3
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Gad2	Sp8 ~ Gad2
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Glce	Sp8 ~ Glce
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Ick	Sp8 ~ Ick
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Igf2r	Sp8 ~ Igf2r
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Insig1	Sp8 ~ Insig1
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Mmp16	Sp8 ~ Mmp16
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Nrp1	Sp8 ~ Nrp1
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Pdgfra	Sp8 ~ Pdgfra
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Shh	Sp8 ~ Shh
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Slc32a1	Sp8 ~ Slc32a1
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Trp63	Sp8 ~ Trp63
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Vcan	Sp8 ~ Vcan
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Vegfa	Sp8 ~ Vegfa
Sp8 ~ mmu-miR-203	mmu-miR-203 ~ Wls	Sp8 ~ Wls
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Cask	Sp8 ~ Cask
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Cdc42	Sp8 ~ Cdc42
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Cyp26b1	Sp8 ~ Cyp26b1
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Dlg1	Sp8 ~ Dlg1
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Edn1	Sp8 ~ Edn1
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Eya4	Sp8 ~ Eya4
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Fzd7	Sp8 ~ Fzd7
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Kcnj2	Sp8 ~ Kcnj2
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Luzp1	Sp8 ~ Luzp1
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Mapk3	Sp8 ~ Mapk3
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Phc2	Sp8 ~ Phc2
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Tgfbr3	Sp8 ~ Tgfbr3
Sp8 ~ mmu-miR-206	mmu-miR-206 ~ Vegfa	Sp8 ~ Vegfa
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Crk	Sp8 ~ Crk
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Efnb1	Sp8 ~ Efnb1
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Gab1	Sp8 ~ Gab1
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Gad2	Sp8 ~ Gad2
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Hs2st1	Sp8 ~ Hs2st1
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Itgb8	Sp8 ~ Itgb8
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Luzp1	Sp8 ~ Luzp1
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Pdgfra	Sp8 ~ Pdgfra
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Smoc1	Sp8 ~ Smoc1
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Sos1	Sp8 ~ Sos1
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Tgfbr2	Sp8 ~ Tgfbr2
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Vegfa	Sp8 ~ Vegfa
Sp8 ~ mmu-miR-20a	mmu-miR-20a ~ Wnt9b	Sp8 ~ Wnt9b
Sp8 ~ mmu-miR-22	mmu-miR-22 ~ Fgfr1	Sp8 ~ Fgfr1
Sp8 ~ mmu-miR-22	mmu-miR-22 ~ Fgfr2	Sp8 ~ Fgfr2
Sp8 ~ mmu-miR-22	mmu-miR-22 ~ Hspg2	Sp8 ~ Hspg2

Sp8 ~ mmu-miR-22	mmu-miR-22 ~ Tgfbr1	Sp8 ~ Tgfbr1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Acvr2a	Sp8 ~ Acvr2a
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Adamts20	Sp8 ~ Adamts20
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Adamts9	Sp8 ~ Adamts9
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Bmpr1a	Sp8 ~ Bmpr1a
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Cdc42	Sp8 ~ Cdc42
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Col11a1	Sp8 ~ Col11a1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Col2a1	Sp8 ~ Col2a1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Ctnnb1	Sp8 ~ Ctnnb1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Ctnnbip1	Sp8 ~ Ctnnbip1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Dicer1	Sp8 ~ Dicer1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Efna5	Sp8 ~ Efna5
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Ephb3	Sp8 ~ Ephb3
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Fign	Sp8 ~ Fign
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Gab1	Sp8 ~ Gab1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Gsk3b	Sp8 ~ Gsk3b
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Insig1	Sp8 ~ Insig1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Itgb1	Sp8 ~ Itgb1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Lims1	Sp8 ~ Lims1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Luzp1	Sp8 ~ Luzp1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Mmp16	Sp8 ~ Mmp16
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Pdgfc	Sp8 ~ Pdgfc
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Pdgfrb	Sp8 ~ Pdgfrb
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Phc1	Sp8 ~ Phc1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Plekha1	Sp8 ~ Plekha1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Ptpn11	Sp8 ~ Ptpn11
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Schip1	Sp8 ~ Schip1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Spry1	Sp8 ~ Spry1
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Tgfb2	Sp8 ~ Tgfb2
Sp8 ~ mmu-miR-29a	mmu-miR-29a ~ Vegfa	Sp8 ~ Vegfa
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Adamts9	Sp8 ~ Adamts9
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Crk	Sp8 ~ Crk
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Ednrb	Sp8 ~ Ednrb
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Fbxo11	Sp8 ~ Fbxo11
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Fgf10	Sp8 ~ Fgf10
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Gad2	Sp8 ~ Gad2
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Gsk3b	Sp8 ~ Gsk3b
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Hs2st1	Sp8 ~ Hs2st1
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Inhbb	Sp8 ~ Inhbb
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Itgb8	Sp8 ~ Itgb8
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Rad23b	Sp8 ~ Rad23b
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Tgfbr1	Sp8 ~ Tgfbr1
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Tgfbr2	Sp8 ~ Tgfbr2
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Tiparp	Sp8 ~ Tiparp
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Vegfa	Sp8 ~ Vegfa
Sp8 ~ mmu-miR-302a	mmu-miR-302a ~ Wnt9b	Sp8 ~ Wnt9b
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Acvr1	Sp8 ~ Acvr1

Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Adamts9	Sp8 ~ Adamts9
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Akap8	Sp8 ~ Akap8
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Cask	Sp8 ~ Cask
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Chd7	Sp8 ~ Chd7
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Ednrb	Sp8 ~ Ednrb
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Eya1	Sp8 ~ Eya1
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Gad2	Sp8 ~ Gad2
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Grb2	Sp8 ~ Grb2
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Gsk3b	Sp8 ~ Gsk3b
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Inhbb	Sp8 ~ Inhbb
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Insig2	Sp8 ~ Insig2
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Lbr	Sp8 ~ Lbr
Sp8 ~ mmu-miR-362	mmu-miR-362 ~ Loxl3	Sp8 ~ Loxl3
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Cask	Sp8 ~ Cask
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Cdkn1c	Sp8 ~ Cdkn1c
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Col11a1	Sp8 ~ Col11a1
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Fst	Sp8 ~ Fst
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Ick	Sp8 ~ Ick
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Insig1	Sp8 ~ Insig1
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Itga5	Sp8 ~ Itga5
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Itgav	Sp8 ~ Itgav
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Luzp1	Sp8 ~ Luzp1
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Mmp16	Sp8 ~ Mmp16
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Pds5b	Sp8 ~ Pds5b
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Pkdcc	Sp8 ~ Pkdcc
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Plekha1	Sp8 ~ Plekha1
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Slc12a5	Sp8 ~ Slc12a5
Sp8 ~ mmu-miR-367	mmu-miR-367 ~ Slc32a1	Sp8 ~ Slc32a1
Sp8 ~ mmu-miR-369	mmu-miR-369 ~ Cask	Sp8 ~ Cask
Sp8 ~ mmu-miR-369	mmu-miR-369 ~ Crk	Sp8 ~ Crk
Sp8 ~ mmu-miR-369	mmu-miR-369 ~ Eya1	Sp8 ~ Eya1
Sp8 ~ mmu-miR-369	mmu-miR-369 ~ Gabrb3	Sp8 ~ Gabrb3
Sp8 ~ mmu-miR-369	mmu-miR-369 ~ Gsk3b	Sp8 ~ Gsk3b
Sp8 ~ mmu-miR-369	mmu-miR-369 ~ Inhbb	Sp8 ~ Inhbb
Sp8 ~ mmu-miR-369	mmu-miR-369 ~ Nog	Sp8 ~ Nog
Sp8 ~ mmu-miR-423	mmu-miR-423 ~ Fuz	Sp8 ~ Fuz
Sp8 ~ mmu-miR-452	mmu-miR-452 ~ Ephb3	Sp8 ~ Ephb3
Sp8 ~ mmu-miR-452	mmu-miR-452 ~ Lrp6	Sp8 ~ Lrp6
Twist1 ~ mmu-miR-140	mmu-miR-140 ~ Fgf9	Twist1 ~ Fgf9
Twist1 ~ mmu-miR-140	mmu-miR-140 ~ Pdgfra	Twist1 ~ Pdgfra
Zeb1 ~ mmu-miR-140	mmu-miR-140 ~ Fgf9	Zeb1 ~ Fgf9
Zeb1 ~ mmu-miR-140	mmu-miR-140 ~ Rac1	Zeb1 ~ Rac1
Zeb1 ~ mmu-miR-200b	mmu-miR-200b ~ Apaf1	Zeb1 ~ Apaf1
Zeb1 ~ mmu-miR-200b	mmu-miR-200b ~ Bmi1	Zeb1 ~ Bmi1
Zeb1 ~ mmu-miR-200b	mmu-miR-200b ~ Piga	Zeb1 ~ Piga
Zeb1 ~ mmu-miR-200b	mmu-miR-200b ~ Rac1	Zeb1 ~ Rac1
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Bmi1	Zeb1 ~ Bmi1

Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Cask	Zeb1 ~ Cask
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Crk	Zeb1 ~ Crk
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Dlg1	Zeb1 ~ Dlg1
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Eya1	Zeb1 ~ Eya1
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Gabrb3	Zeb1 ~ Gabrb3
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Ick	Zeb1 ~ Ick
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Shh	Zeb1 ~ Shh
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Slc32a1	Zeb1 ~ Slc32a1
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Trp63	Zeb1 ~ Trp63
Zeb1 ~ mmu-miR-203	mmu-miR-203 ~ Wls	Zeb1 ~ Wls

Table S7. Mouse cleft palate related miRNA-TF-gene type II motifs.

miRNA-TF pair	TF-Gene pair	miRNA-Gene pair
mmu-miR-200b ~ Alx1	Alx1 ~ Pdgfra	mmu-miR-200b ~ Pdgfra
mmu-miR-206 ~ Alx1	Alx1 ~ Cyp26b1	mmu-miR-206 ~ Cyp26b1
mmu-miR-17 ~ Alx4	Alx4 ~ Pdgfra	mmu-miR-17 ~ Pdgfra
mmu-miR-20a ~ Alx4	Alx4 ~ Pdgfra	mmu-miR-20a ~ Pdgfra
mmu-miR-133a ~ Foxc2	Foxc2 ~ Ctgf	mmu-miR-133a ~ Ctgf
mmu-miR-133b ~ Foxc2	Foxc2 ~ Ctgf	mmu-miR-133b ~ Ctgf
mmu-miR-19a ~ Foxf2	Foxf2 ~ Apaf1	mmu-miR-19a ~ Apaf1
mmu-miR-19a ~ Foxf2	Foxf2 ~ Ctgf	mmu-miR-19a ~ Ctgf
mmu-miR-19a ~ Foxf2	Foxf2 ~ Dicer1	mmu-miR-19a ~ Dicer1
mmu-miR-19a ~ Foxf2	Foxf2 ~ Dlg1	mmu-miR-19a ~ Dlg1
mmu-miR-19a ~ Foxf2	Foxf2 ~ Ephb3	mmu-miR-19a ~ Ephb3
mmu-miR-19a ~ Foxf2	Foxf2 ~ Fgf10	mmu-miR-19a ~ Fgf10
mmu-miR-19a ~ Foxf2	Foxf2 ~ Igf2r	mmu-miR-19a ~ Igf2r
mmu-miR-19a ~ Foxf2	Foxf2 ~ Kcnj2	mmu-miR-19a ~ Kcnj2
mmu-miR-19a ~ Foxf2	Foxf2 ~ Kif3a	mmu-miR-19a ~ Kif3a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Lrp6	mmu-miR-19a ~ Lrp6
mmu-miR-19a ~ Foxf2	Foxf2 ~ Mapk1	mmu-miR-19a ~ Mapk1
mmu-miR-19a ~ Foxf2	Foxf2 ~ Tgfbr2	mmu-miR-19a ~ Tgfbr2
mmu-miR-19b ~ Foxf2	Foxf2 ~ Apaf1	mmu-miR-19b ~ Apaf1
mmu-miR-19b ~ Foxf2	Foxf2 ~ Ctgf	mmu-miR-19b ~ Ctgf
mmu-miR-19b ~ Foxf2	Foxf2 ~ Dicer1	mmu-miR-19b ~ Dicer1
mmu-miR-19b ~ Foxf2	Foxf2 ~ Dlg1	mmu-miR-19b ~ Dlg1
mmu-miR-19b ~ Foxf2	Foxf2 ~ Ephb3	mmu-miR-19b ~ Ephb3
mmu-miR-19b ~ Foxf2	Foxf2 ~ Fgf10	mmu-miR-19b ~ Fgf10
mmu-miR-19b ~ Foxf2	Foxf2 ~ Igf2r	mmu-miR-19b ~ Igf2r
mmu-miR-19b ~ Foxf2	Foxf2 ~ Kcnj2	mmu-miR-19b ~ Kcnj2
mmu-miR-19b ~ Foxf2	Foxf2 ~ Kif3a	mmu-miR-19b ~ Kif3a
mmu-miR-19b ~ Foxf2	Foxf2 ~ Mapk1	mmu-miR-19b ~ Mapk1
mmu-miR-19b ~ Foxf2	Foxf2 ~ Tgfbr2	mmu-miR-19b ~ Tgfbr2
mmu-miR-200b ~ Foxf2	Foxf2 ~ Acvr2a	mmu-miR-200b ~ Acvr2a
mmu-miR-200b ~ Foxf2	Foxf2 ~ Apaf1	mmu-miR-200b ~ Apaf1
mmu-miR-200b ~ Foxf2	Foxf2 ~ Bmi1	mmu-miR-200b ~ Bmi1
mmu-miR-200b ~ Foxf2	Foxf2 ~ Eya4	mmu-miR-200b ~ Eya4
mmu-miR-200b ~ Foxf2	Foxf2 ~ Fgf10	mmu-miR-200b ~ Fgf10
mmu-miR-200b ~ Foxf2	Foxf2 ~ Impad1	mmu-miR-200b ~ Impad1
mmu-miR-200b ~ Foxf2	Foxf2 ~ Mdm4	mmu-miR-200b ~ Mdm4
mmu-miR-200b ~ Foxf2	Foxf2 ~ Pdgfra	mmu-miR-200b ~ Pdgfra
mmu-miR-200b ~ Foxf2	Foxf2 ~ Pds5b	mmu-miR-200b ~ Pds5b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Piga	mmu-miR-200b ~ Piga
mmu-miR-200b ~ Foxf2	Foxf2 ~ Rac1	mmu-miR-200b ~ Rac1
mmu-miR-200b ~ Foxf2	Foxf2 ~ Schip1	mmu-miR-200b ~ Schip1
mmu-miR-200b ~ Foxf2	Foxf2 ~ Vegfa	mmu-miR-200b ~ Vegfa

mmu-miR-302a ~ Foxf2	Foxf2 ~ Adamts9	mmu-miR-302a ~ Adamts9
mmu-miR-302a ~ Foxf2	Foxf2 ~ Ednrb	mmu-miR-302a ~ Ednrb
mmu-miR-302a ~ Foxf2	Foxf2 ~ Fgf10	mmu-miR-302a ~ Fgf10
mmu-miR-302a ~ Foxf2	Foxf2 ~ Gad2	mmu-miR-302a ~ Gad2
mmu-miR-302a ~ Foxf2	Foxf2 ~ Gsk3b	mmu-miR-302a ~ Gsk3b
mmu-miR-302a ~ Foxf2	Foxf2 ~ Rad23b	mmu-miR-302a ~ Rad23b
mmu-miR-302a ~ Foxf2	Foxf2 ~ Tgfbr1	mmu-miR-302a ~ Tgfbr1
mmu-miR-302a ~ Foxf2	Foxf2 ~ Tgfbr2	mmu-miR-302a ~ Tgfbr2
mmu-miR-302a ~ Foxf2	Foxf2 ~ Tiparp	mmu-miR-302a ~ Tiparp
mmu-miR-302a ~ Foxf2	Foxf2 ~ Vegfa	mmu-miR-302a ~ Vegfa
mmu-miR-362 ~ Foxf2	Foxf2 ~ Acvr1	mmu-miR-362 ~ Acvr1
mmu-miR-362 ~ Foxf2	Foxf2 ~ Adamts9	mmu-miR-362 ~ Adamts9
mmu-miR-362 ~ Foxf2	Foxf2 ~ Akap8	mmu-miR-362 ~ Akap8
mmu-miR-362 ~ Foxf2	Foxf2 ~ Cask	mmu-miR-362 ~ Cask
mmu-miR-362 ~ Foxf2	Foxf2 ~ Chd7	mmu-miR-362 ~ Chd7
mmu-miR-362 ~ Foxf2	Foxf2 ~ Ednrb	mmu-miR-362 ~ Ednrb
mmu-miR-362 ~ Foxf2	Foxf2 ~ Eya1	mmu-miR-362 ~ Eya1
mmu-miR-362 ~ Foxf2	Foxf2 ~ Gad2	mmu-miR-362 ~ Gad2
mmu-miR-362 ~ Foxf2	Foxf2 ~ Grb2	mmu-miR-362 ~ Grb2
mmu-miR-362 ~ Foxf2	Foxf2 ~ Gsk3b	mmu-miR-362 ~ Gsk3b
mmu-miR-362 ~ Foxf2	Foxf2 ~ Insig2	mmu-miR-362 ~ Insig2
mmu-miR-30a ~ Gli2	Gli2 ~ Apaf1	mmu-miR-30a ~ Apaf1
mmu-miR-30a ~ Gli2	Gli2 ~ Fst	mmu-miR-30a ~ Fst
mmu-miR-30a ~ Gli2	Gli2 ~ Rad23b	mmu-miR-30a ~ Rad23b
mmu-miR-30a ~ Gli2	Gli2 ~ Sos1	mmu-miR-30a ~ Sos1
mmu-miR-200b ~ Gli3	Gli3 ~ Schip1	mmu-miR-200b ~ Schip1
mmu-miR-203 ~ Gli3	Gli3 ~ Ick	mmu-miR-203 ~ Ick
mmu-miR-203 ~ Gli3	Gli3 ~ Wls	mmu-miR-203 ~ Wls
mmu-miR-367 ~ Hand1	Hand1 ~ Itga5	mmu-miR-367 ~ Itga5
mmu-miR-367 ~ Hand1	Hand1 ~ Plekha1	mmu-miR-367 ~ Plekha1
mmu-miR-92a ~ Hand1	Hand1 ~ Itga5	mmu-miR-92a ~ Itga5
mmu-miR-92a ~ Hand1	Hand1 ~ Plekha1	mmu-miR-92a ~ Plekha1
mmu-miR-140 ~ Hand2	Hand2 ~ Fgf9	mmu-miR-140 ~ Fgf9
mmu-miR-140 ~ Hand2	Hand2 ~ Pdgfra	mmu-miR-140 ~ Pdgfra
mmu-miR-203 ~ Hand2	Hand2 ~ Bmi1	mmu-miR-203 ~ Bmi1
mmu-miR-203 ~ Hand2	Hand2 ~ Gabrb3	mmu-miR-203 ~ Gabrb3
mmu-miR-203 ~ Hand2	Hand2 ~ Pdgfra	mmu-miR-203 ~ Pdgfra
mmu-miR-206 ~ Hand2	Hand2 ~ Phc2	mmu-miR-206 ~ Phc2
mmu-miR-367 ~ Hand2	Hand2 ~ Itga5	mmu-miR-367 ~ Itga5
mmu-miR-367 ~ Hand2	Hand2 ~ Plekha1	mmu-miR-367 ~ Plekha1
mmu-miR-92a ~ Hand2	Hand2 ~ Itga5	mmu-miR-92a ~ Itga5
mmu-miR-92a ~ Hand2	Hand2 ~ Plekha1	mmu-miR-92a ~ Plekha1
mmu-miR-19a ~ Hic1	Hic1 ~ Tgfbr2	mmu-miR-19a ~ Tgfbr2
mmu-miR-19b ~ Hic1	Hic1 ~ Tgfbr2	mmu-miR-19b ~ Tgfbr2

mmu-miR-30a ~ Lhx8	Lhx8 ~ Fign	mmu-miR-30a ~ Fign
mmu-let-7b ~ Mef2c	Mef2c ~ Piga	mmu-let-7b ~ Piga
mmu-let-7c ~ Mef2c	Mef2c ~ Piga	mmu-let-7c ~ Piga
mmu-miR-17 ~ Mef2c	Mef2c ~ Luzp1	mmu-miR-17 ~ Luzp1
mmu-miR-203 ~ Mef2c	Mef2c ~ Gabrb3	mmu-miR-203 ~ Gabrb3
mmu-miR-203 ~ Mef2c	Mef2c ~ Glce	mmu-miR-203 ~ Glce
mmu-miR-203 ~ Mef2c	Mef2c ~ Trp63	mmu-miR-203 ~ Trp63
mmu-miR-20a ~ Mef2c	Mef2c ~ Luzp1	mmu-miR-20a ~ Luzp1
mmu-miR-140 ~ Pax9	Pax9 ~ Hs2st1	mmu-miR-140 ~ Hs2st1
mmu-miR-140 ~ Pax9	Pax9 ~ Pdgfra	mmu-miR-140 ~ Pdgfra
mmu-miR-140 ~ Pax9	Pax9 ~ Rac1	mmu-miR-140 ~ Rac1
mmu-miR-140 ~ Pax9	Pax9 ~ Tgfbr1	mmu-miR-140 ~ Tgfbr1
mmu-miR-367 ~ Pax9	Pax9 ~ Cask	mmu-miR-367 ~ Cask
mmu-miR-367 ~ Pax9	Pax9 ~ Fst	mmu-miR-367 ~ Fst
mmu-miR-367 ~ Pax9	Pax9 ~ Ick	mmu-miR-367 ~ Ick
mmu-miR-367 ~ Pax9	Pax9 ~ Luzp1	mmu-miR-367 ~ Luzp1
mmu-miR-367 ~ Pax9	Pax9 ~ Mmp16	mmu-miR-367 ~ Mmp16
mmu-miR-367 ~ Pax9	Pax9 ~ Pds5b	mmu-miR-367 ~ Pds5b
mmu-miR-367 ~ Pax9	Pax9 ~ Pkdcc	mmu-miR-367 ~ Pkdcc
mmu-miR-367 ~ Pax9	Pax9 ~ Slc32a1	mmu-miR-367 ~ Slc32a1
mmu-miR-92a ~ Pax9	Pax9 ~ Cask	mmu-miR-92a ~ Cask
mmu-miR-92a ~ Pax9	Pax9 ~ Fst	mmu-miR-92a ~ Fst
mmu-miR-92a ~ Pax9	Pax9 ~ Ick	mmu-miR-92a ~ Ick
mmu-miR-92a ~ Pax9	Pax9 ~ Luzp1	mmu-miR-92a ~ Luzp1
mmu-miR-92a ~ Pax9	Pax9 ~ Mmp16	mmu-miR-92a ~ Mmp16
mmu-miR-92a ~ Pax9	Pax9 ~ Pds5b	mmu-miR-92a ~ Pds5b
mmu-miR-92a ~ Pax9	Pax9 ~ Pkdcc	mmu-miR-92a ~ Pkdcc
mmu-miR-92a ~ Pax9	Pax9 ~ Slc32a1	mmu-miR-92a ~ Slc32a1
mmu-let-7b ~ Pbx1	Pbx1 ~ Chd7	mmu-let-7b ~ Chd7
mmu-let-7b ~ Pbx1	Pbx1 ~ Rspo2	mmu-let-7b ~ Rspo2
mmu-let-7c ~ Pbx1	Pbx1 ~ Rspo2	mmu-let-7c ~ Rspo2
mmu-miR-362 ~ Pbx1	Pbx1 ~ Chd7	mmu-miR-362 ~ Chd7
mmu-let-7b ~ Pbx2	Pbx2 ~ Chd7	mmu-let-7b ~ Chd7
mmu-let-7b ~ Pbx2	Pbx2 ~ Piga	mmu-let-7b ~ Piga
mmu-let-7b ~ Pbx2	Pbx2 ~ Rspo2	mmu-let-7b ~ Rspo2
mmu-let-7b ~ Pbx2	Pbx2 ~ Tgfbr1	mmu-let-7b ~ Tgfbr1
mmu-let-7c ~ Pbx2	Pbx2 ~ Piga	mmu-let-7c ~ Piga
mmu-let-7c ~ Pbx2	Pbx2 ~ Rspo2	mmu-let-7c ~ Rspo2
mmu-let-7c ~ Pbx2	Pbx2 ~ Tgfbr1	mmu-let-7c ~ Tgfbr1
mmu-miR-30a ~ Pbx2	Pbx2 ~ Acvr1	mmu-miR-30a ~ Acvr1
mmu-miR-30a ~ Pbx2	Pbx2 ~ Chd7	mmu-miR-30a ~ Chd7
mmu-miR-30a ~ Pbx2	Pbx2 ~ Ednrb	mmu-miR-30a ~ Ednrb
mmu-miR-30a ~ Pbx2	Pbx2 ~ Fzd2	mmu-miR-30a ~ Fzd2
mmu-miR-30a ~ Pbx2	Pbx2 ~ Fzd7	mmu-miR-30a ~ Fzd7
mmu-miR-30a ~ Pbx2	Pbx2 ~ Inhba	mmu-miR-30a ~ Inhba

mmu-miR-30a ~ Pbx2	Pbx2 ~ Pds5b	mmu-miR-30a ~ Pds5b
mmu-miR-30a ~ Pbx2	Pbx2 ~ Piga	mmu-miR-30a ~ Piga
mmu-miR-30a ~ Pbx2	Pbx2 ~ Prickle1	mmu-miR-30a ~ Prickle1
mmu-miR-362 ~ Pbx2	Pbx2 ~ Acvr1	mmu-miR-362 ~ Acvr1
mmu-miR-362 ~ Pbx2	Pbx2 ~ Chd7	mmu-miR-362 ~ Chd7
mmu-miR-362 ~ Pbx2	Pbx2 ~ Ednrb	mmu-miR-362 ~ Ednrb
mmu-miR-362 ~ Pbx2	Pbx2 ~ Gsk3b	mmu-miR-362 ~ Gsk3b
mmu-let-7b ~ Pbx3	Pbx3 ~ Chd7	mmu-let-7b ~ Chd7
mmu-let-7b ~ Pbx3	Pbx3 ~ Piga	mmu-let-7b ~ Piga
mmu-let-7b ~ Pbx3	Pbx3 ~ Rspo2	mmu-let-7b ~ Rspo2
mmu-let-7b ~ Pbx3	Pbx3 ~ Tgfbr1	mmu-let-7b ~ Tgfbr1
mmu-let-7c ~ Pbx3	Pbx3 ~ Piga	mmu-let-7c ~ Piga
mmu-let-7c ~ Pbx3	Pbx3 ~ Rspo2	mmu-let-7c ~ Rspo2
mmu-let-7c ~ Pbx3	Pbx3 ~ Tgfbr1	mmu-let-7c ~ Tgfbr1
mmu-miR-17 ~ Pbx3	Pbx3 ~ Fzd7	mmu-miR-17 ~ Fzd7
mmu-miR-17 ~ Pbx3	Pbx3 ~ Luzp1	mmu-miR-17 ~ Luzp1
mmu-miR-17 ~ Pbx3	Pbx3 ~ Pdgfra	mmu-miR-17 ~ Pdgfra
mmu-miR-17 ~ Pbx3	Pbx3 ~ Smoc1	mmu-miR-17 ~ Smoc1
mmu-miR-17 ~ Pbx3	Pbx3 ~ Tgfbr2	mmu-miR-17 ~ Tgfbr2
mmu-miR-200b ~ Pbx3	Pbx3 ~ Bmi1	mmu-miR-200b ~ Bmi1
mmu-miR-200b ~ Pbx3	Pbx3 ~ Pdgfra	mmu-miR-200b ~ Pdgfra
mmu-miR-200b ~ Pbx3	Pbx3 ~ Pds5b	mmu-miR-200b ~ Pds5b
mmu-miR-200b ~ Pbx3	Pbx3 ~ Piga	mmu-miR-200b ~ Piga
mmu-miR-200b ~ Pbx3	Pbx3 ~ Schip1	mmu-miR-200b ~ Schip1
mmu-miR-203 ~ Pbx3	Pbx3 ~ Ap2b1	mmu-miR-203 ~ Ap2b1
mmu-miR-203 ~ Pbx3	Pbx3 ~ Bmi1	mmu-miR-203 ~ Bmi1
mmu-miR-203 ~ Pbx3	Pbx3 ~ Dlg1	mmu-miR-203 ~ Dlg1
mmu-miR-203 ~ Pbx3	Pbx3 ~ Insig1	mmu-miR-203 ~ Insig1
mmu-miR-203 ~ Pbx3	Pbx3 ~ Pdgfra	mmu-miR-203 ~ Pdgfra
mmu-miR-203 ~ Pbx3	Pbx3 ~ Trp63	mmu-miR-203 ~ Trp63
mmu-miR-20a ~ Pbx3	Pbx3 ~ Luzp1	mmu-miR-20a ~ Luzp1
mmu-miR-20a ~ Pbx3	Pbx3 ~ Pdgfra	mmu-miR-20a ~ Pdgfra
mmu-miR-20a ~ Pbx3	Pbx3 ~ Smoc1	mmu-miR-20a ~ Smoc1
mmu-miR-20a ~ Pbx3	Pbx3 ~ Tgfbr2	mmu-miR-20a ~ Tgfbr2
mmu-miR-302a ~ Pbx3	Pbx3 ~ Ednrb	mmu-miR-302a ~ Ednrb
mmu-miR-302a ~ Pbx3	Pbx3 ~ Gsk3b	mmu-miR-302a ~ Gsk3b
mmu-miR-302a ~ Pbx3	Pbx3 ~ Tgfbr1	mmu-miR-302a ~ Tgfbr1
mmu-miR-302a ~ Pbx3	Pbx3 ~ Tgfbr2	mmu-miR-302a ~ Tgfbr2
mmu-miR-30a ~ Runx1	Runx1 ~ Eya1	mmu-miR-30a ~ Eya1
mmu-miR-30a ~ Runx1	Runx1 ~ Inhba	mmu-miR-30a ~ Inhba
mmu-miR-30a ~ Six1	Six1 ~ Nrp1	mmu-miR-30a ~ Nrp1
mmu-miR-17 ~ Smad4	Smad4 ~ Hs2st1	mmu-miR-17 ~ Hs2st1
mmu-miR-17 ~ Smad4	Smad4 ~ Vegfa	mmu-miR-17 ~ Vegfa
mmu-miR-20a ~ Smad4	Smad4 ~ Hs2st1	mmu-miR-20a ~ Hs2st1
mmu-miR-20a ~ Smad4	Smad4 ~ Vegfa	mmu-miR-20a ~ Vegfa

mmu-miR-200b ~ Snai2	Snai2 ~ Eya4	mmu-miR-200b ~ Eya4
mmu-miR-203 ~ Snai2	Snai2 ~ Eya4	mmu-miR-203 ~ Eya4
mmu-miR-203 ~ Snai2	Snai2 ~ Gad2	mmu-miR-203 ~ Gad2
mmu-miR-203 ~ Snai2	Snai2 ~ Insig1	mmu-miR-203 ~ Insig1
mmu-miR-203 ~ Snai2	Snai2 ~ Shh	mmu-miR-203 ~ Shh
mmu-miR-206 ~ Snai2	Snai2 ~ Eya4	mmu-miR-206 ~ Eya4
mmu-miR-206 ~ Snai2	Snai2 ~ Tgfbr3	mmu-miR-206 ~ Tgfbr3
mmu-miR-152 ~ Sox11	Sox11 ~ Rspo2	mmu-miR-152 ~ Rspo2
mmu-miR-367 ~ Sox11	Sox11 ~ Luzp1	mmu-miR-367 ~ Luzp1
mmu-miR-92a ~ Sox11	Sox11 ~ Luzp1	mmu-miR-92a ~ Luzp1
mmu-miR-200b ~ Sox2	Sox2 ~ Acvr2a	mmu-miR-200b ~ Acvr2a
mmu-miR-200b ~ Sox2	Sox2 ~ Bmi1	mmu-miR-200b ~ Bmi1
mmu-miR-200b ~ Sox2	Sox2 ~ Schip1	mmu-miR-200b ~ Schip1
mmu-let-7b ~ Sox6	Sox6 ~ Chrd	mmu-let-7b ~ Chrd
mmu-let-7b ~ Sox6	Sox6 ~ Rspo2	mmu-let-7b ~ Rspo2
mmu-let-7c ~ Sox6	Sox6 ~ Chrd	mmu-let-7c ~ Chrd
mmu-let-7c ~ Sox6	Sox6 ~ Rspo2	mmu-let-7c ~ Rspo2
mmu-miR-19a ~ Sox6	Sox6 ~ Mapk1	mmu-miR-19a ~ Mapk1
mmu-miR-19b ~ Sox6	Sox6 ~ Mapk1	mmu-miR-19b ~ Mapk1
mmu-miR-302a ~ Sox6	Sox6 ~ Gsk3b	mmu-miR-302a ~ Gsk3b
mmu-miR-30a ~ Sox9	Sox9 ~ Acvr1	mmu-miR-30a ~ Acvr1
mmu-miR-30a ~ Sox9	Sox9 ~ Fign	mmu-miR-30a ~ Fign
mmu-miR-30a ~ Sox9	Sox9 ~ Igf2r	mmu-miR-30a ~ Igf2r
mmu-miR-30a ~ Sox9	Sox9 ~ Jag2	mmu-miR-30a ~ Jag2
mmu-miR-30a ~ Sox9	Sox9 ~ Nrp1	mmu-miR-30a ~ Nrp1
mmu-miR-30a ~ Sox9	Sox9 ~ Pds5b	mmu-miR-30a ~ Pds5b
mmu-miR-30a ~ Sox9	Sox9 ~ Prickle1	mmu-miR-30a ~ Prickle1
mmu-let-7b ~ Sp8	Sp8 ~ Bmpr1a	mmu-let-7b ~ Bmpr1a
mmu-let-7b ~ Sp8	Sp8 ~ Cask	mmu-let-7b ~ Cask
mmu-let-7b ~ Sp8	Sp8 ~ Chd7	mmu-let-7b ~ Chd7
mmu-let-7b ~ Sp8	Sp8 ~ Chrd	mmu-let-7b ~ Chrd
mmu-let-7b ~ Sp8	Sp8 ~ Crk	mmu-let-7b ~ Crk
mmu-let-7b ~ Sp8	Sp8 ~ Edn1	mmu-let-7b ~ Edn1
mmu-let-7b ~ Sp8	Sp8 ~ Fign	mmu-let-7b ~ Fign
mmu-let-7b ~ Sp8	Sp8 ~ Lbr	mmu-let-7b ~ Lbr
mmu-let-7b ~ Sp8	Sp8 ~ Piga	mmu-let-7b ~ Piga
mmu-let-7b ~ Sp8	Sp8 ~ Tgfbr1	mmu-let-7b ~ Tgfbr1
mmu-let-7b ~ Sp8	Sp8 ~ Tgfbr3	mmu-let-7b ~ Tgfbr3
mmu-let-7b ~ Sp8	Sp8 ~ Wnt9b	mmu-let-7b ~ Wnt9b
mmu-let-7c ~ Sp8	Sp8 ~ Cask	mmu-let-7c ~ Cask
mmu-let-7c ~ Sp8	Sp8 ~ Chrd	mmu-let-7c ~ Chrd
mmu-let-7c ~ Sp8	Sp8 ~ Edn1	mmu-let-7c ~ Edn1
mmu-let-7c ~ Sp8	Sp8 ~ Fign	mmu-let-7c ~ Fign
mmu-let-7c ~ Sp8	Sp8 ~ Lbr	mmu-let-7c ~ Lbr
mmu-let-7c ~ Sp8	Sp8 ~ Piga	mmu-let-7c ~ Piga

mmu-let-7c ~ Sp8	Sp8 ~ Tgfbr1	mmu-let-7c ~ Tgfbr1
mmu-let-7c ~ Sp8	Sp8 ~ Tgfbr3	mmu-let-7c ~ Tgfbr3
mmu-let-7c ~ Sp8	Sp8 ~ Wnt9b	mmu-let-7c ~ Wnt9b
mmu-miR-17 ~ Sp8	Sp8 ~ Crk	mmu-miR-17 ~ Crk
mmu-miR-17 ~ Sp8	Sp8 ~ Efnb1	mmu-miR-17 ~ Efnb1
mmu-miR-17 ~ Sp8	Sp8 ~ Fzd7	mmu-miR-17 ~ Fzd7
mmu-miR-17 ~ Sp8	Sp8 ~ Gab1	mmu-miR-17 ~ Gab1
mmu-miR-17 ~ Sp8	Sp8 ~ Gad2	mmu-miR-17 ~ Gad2
mmu-miR-17 ~ Sp8	Sp8 ~ Hs2st1	mmu-miR-17 ~ Hs2st1
mmu-miR-17 ~ Sp8	Sp8 ~ Ift88	mmu-miR-17 ~ Ift88
mmu-miR-17 ~ Sp8	Sp8 ~ Itgb8	mmu-miR-17 ~ Itgb8
mmu-miR-17 ~ Sp8	Sp8 ~ Luzp1	mmu-miR-17 ~ Luzp1
mmu-miR-17 ~ Sp8	Sp8 ~ Pdgfra	mmu-miR-17 ~ Pdgfra
mmu-miR-17 ~ Sp8	Sp8 ~ Smoc1	mmu-miR-17 ~ Smoc1
mmu-miR-17 ~ Sp8	Sp8 ~ Sos1	mmu-miR-17 ~ Sos1
mmu-miR-17 ~ Sp8	Sp8 ~ Tgfbr2	mmu-miR-17 ~ Tgfbr2
mmu-miR-17 ~ Sp8	Sp8 ~ Vegfa	mmu-miR-17 ~ Vegfa
mmu-miR-17 ~ Sp8	Sp8 ~ Wnt9b	mmu-miR-17 ~ Wnt9b
mmu-miR-20a ~ Sp8	Sp8 ~ Crk	mmu-miR-20a ~ Crk
mmu-miR-20a ~ Sp8	Sp8 ~ Efnb1	mmu-miR-20a ~ Efnb1
mmu-miR-20a ~ Sp8	Sp8 ~ Gab1	mmu-miR-20a ~ Gab1
mmu-miR-20a ~ Sp8	Sp8 ~ Gad2	mmu-miR-20a ~ Gad2
mmu-miR-20a ~ Sp8	Sp8 ~ Hs2st1	mmu-miR-20a ~ Hs2st1
mmu-miR-20a ~ Sp8	Sp8 ~ Itgb8	mmu-miR-20a ~ Itgb8
mmu-miR-20a ~ Sp8	Sp8 ~ Luzp1	mmu-miR-20a ~ Luzp1
mmu-miR-20a ~ Sp8	Sp8 ~ Pdgfra	mmu-miR-20a ~ Pdgfra
mmu-miR-20a ~ Sp8	Sp8 ~ Smoc1	mmu-miR-20a ~ Smoc1
mmu-miR-20a ~ Sp8	Sp8 ~ Sos1	mmu-miR-20a ~ Sos1
mmu-miR-20a ~ Sp8	Sp8 ~ Tgfbr2	mmu-miR-20a ~ Tgfbr2
mmu-miR-20a ~ Sp8	Sp8 ~ Vegfa	mmu-miR-20a ~ Vegfa
mmu-miR-20a ~ Sp8	Sp8 ~ Wnt9b	mmu-miR-20a ~ Wnt9b
mmu-miR-206 ~ Tbx3	Tbx3 ~ Kcnj2	mmu-miR-206 ~ Kcnj2
mmu-miR-367 ~ Tbx3	Tbx3 ~ Fst	mmu-miR-367 ~ Fst
mmu-miR-92a ~ Tbx3	Tbx3 ~ Fst	mmu-miR-92a ~ Fst
mmu-miR-367 ~ Tcf21	Tcf21 ~ Luzp1	mmu-miR-367 ~ Luzp1
mmu-miR-92a ~ Tcf21	Tcf21 ~ Luzp1	mmu-miR-92a ~ Luzp1
mmu-miR-140 ~ Zeb1	Zeb1 ~ Fgf9	mmu-miR-140 ~ Fgf9
mmu-miR-140 ~ Zeb1	Zeb1 ~ Rac1	mmu-miR-140 ~ Rac1
mmu-miR-200b ~ Zeb1	Zeb1 ~ Apaf1	mmu-miR-200b ~ Apaf1
mmu-miR-200b ~ Zeb1	Zeb1 ~ Bmi1	mmu-miR-200b ~ Bmi1
mmu-miR-200b ~ Zeb1	Zeb1 ~ Piga	mmu-miR-200b ~ Piga
mmu-miR-200b ~ Zeb1	Zeb1 ~ Rac1	mmu-miR-200b ~ Rac1
mmu-miR-369 ~ Zeb1	Zeb1 ~ Cask	mmu-miR-369 ~ Cask
mmu-miR-369 ~ Zeb1	Zeb1 ~ Crk	mmu-miR-369 ~ Crk
mmu-miR-369 ~ Zeb1	Zeb1 ~ Eya1	mmu-miR-369 ~ Eya1

mmu-miR-369 ~ Zeb1	Zeb1 ~ Gabrb3	mmu-miR-369 ~ Gabrb3
mmu-miR-369 ~ Zeb1	Zeb1 ~ Gsk3b	mmu-miR-369 ~ Gsk3b
mmu-miR-369 ~ Zeb1	Zeb1 ~ Inhbb	mmu-miR-369 ~ Inhbb

Table S8. Mouse cleft palate related miRNA-TF-gene type III motifs.

miRNA-TF pair	TF-Gene pair	miRNA-Gene pair	TF-miRNA pair
mmu-miR-19a ~ Foxf2	Foxf2 ~ Apaf1	mmu-miR-19a ~ Apaf1	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Ctgf	mmu-miR-19a ~ Ctgf	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Dicer1	mmu-miR-19a ~ Dicer1	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Dlg1	mmu-miR-19a ~ Dlg1	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Ephb3	mmu-miR-19a ~ Ephb3	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Fgf10	mmu-miR-19a ~ Fgf10	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Igf2r	mmu-miR-19a ~ Igf2r	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Kcnj2	mmu-miR-19a ~ Kcnj2	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Kif3a	mmu-miR-19a ~ Kif3a	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Lrp6	mmu-miR-19a ~ Lrp6	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Mapk1	mmu-miR-19a ~ Mapk1	Foxf2 ~ mmu-miR-19a
mmu-miR-19a ~ Foxf2	Foxf2 ~ Tgfbr2	mmu-miR-19a ~ Tgfbr2	Foxf2 ~ mmu-miR-19a
mmu-miR-200b ~ Foxf2	Foxf2 ~ Acvr2a	mmu-miR-200b ~ Acvr2a	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Apaf1	mmu-miR-200b ~ Apaf1	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Bmi1	mmu-miR-200b ~ Bmi1	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Eya4	mmu-miR-200b ~ Eya4	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Fgf10	mmu-miR-200b ~ Fgf10	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Impad1	mmu-miR-200b ~ Impad1	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Mdm4	mmu-miR-200b ~ Mdm4	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Pdgfra	mmu-miR-200b ~ Pdgfra	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Pds5b	mmu-miR-200b ~ Pds5b	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Piga	mmu-miR-200b ~ Piga	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Rac1	mmu-miR-200b ~ Rac1	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Schip1	mmu-miR-200b ~ Schip1	Foxf2 ~ mmu-miR-200b
mmu-miR-200b ~ Foxf2	Foxf2 ~ Vegfa	mmu-miR-200b ~ Vegfa	Foxf2 ~ mmu-miR-200b
mmu-miR-302a ~ Foxf2	Foxf2 ~ Adamts9	mmu-miR-302a ~ Adamts9	Foxf2 ~ mmu-miR-302a
mmu-miR-302a ~ Foxf2	Foxf2 ~ Ednrb	mmu-miR-302a ~ Ednrb	Foxf2 ~ mmu-miR-302a
mmu-miR-302a ~ Foxf2	Foxf2 ~ Fgf10	mmu-miR-302a ~ Fgf10	Foxf2 ~ mmu-miR-302a
mmu-miR-302a ~ Foxf2	Foxf2 ~ Gad2	mmu-miR-302a ~ Gad2	Foxf2 ~ mmu-miR-302a
mmu-miR-302a ~ Foxf2	Foxf2 ~ Gsk3b	mmu-miR-302a ~ Gsk3b	Foxf2 ~ mmu-miR-302a
mmu-miR-302a ~ Foxf2	Foxf2 ~ Rad23b	mmu-miR-302a ~ Rad23b	Foxf2 ~ mmu-miR-302a
mmu-miR-302a ~ Foxf2	Foxf2 ~ Tgfbr1	mmu-miR-302a ~ Tgfbr1	Foxf2 ~ mmu-miR-302a
mmu-miR-302a ~ Foxf2	Foxf2 ~ Tgfbr2	mmu-miR-302a ~ Tgfbr2	Foxf2 ~ mmu-miR-302a
mmu-miR-302a ~ Foxf2	Foxf2 ~ Tiparp	mmu-miR-302a ~ Tiparp	Foxf2 ~ mmu-miR-302a
mmu-miR-302a ~ Foxf2	Foxf2 ~ Vegfa	mmu-miR-302a ~ Vegfa	Foxf2 ~ mmu-miR-302a
mmu-miR-362 ~ Foxf2	Foxf2 ~ Acvr1	mmu-miR-362 ~ Acvr1	Foxf2 ~ mmu-miR-362
mmu-miR-362 ~ Foxf2	Foxf2 ~ Adamts9	mmu-miR-362 ~ Adamts9	Foxf2 ~ mmu-miR-362
mmu-miR-362 ~ Foxf2	Foxf2 ~ Akap8	mmu-miR-362 ~ Akap8	Foxf2 ~ mmu-miR-362
mmu-miR-362 ~ Foxf2	Foxf2 ~ Cask	mmu-miR-362 ~ Cask	Foxf2 ~ mmu-miR-362
mmu-miR-362 ~ Foxf2	Foxf2 ~ Chd7	mmu-miR-362 ~ Chd7	Foxf2 ~ mmu-miR-362
mmu-miR-362 ~ Foxf2	Foxf2 ~ Ednrb	mmu-miR-362 ~ Ednrb	Foxf2 ~ mmu-miR-362
mmu-miR-362 ~ Foxf2	Foxf2 ~ Eya1	mmu-miR-362 ~ Eya1	Foxf2 ~ mmu-miR-362
mmu-miR-362 ~ Foxf2	Foxf2 ~ Gad2	mmu-miR-362 ~ Gad2	Foxf2 ~ mmu-miR-362

mmu-miR-362 ~ Foxf2	Foxf2 ~ Grb2	mmu-miR-362 ~ Grb2	Foxf2 ~ mmu-miR-362
mmu-miR-362 ~ Foxf2	Foxf2 ~ Gsk3b	mmu-miR-362 ~ Gsk3b	Foxf2 ~ mmu-miR-362
mmu-miR-362 ~ Foxf2	Foxf2 ~ Insig2	mmu-miR-362 ~ Insig2	Foxf2 ~ mmu-miR-362
mmu-miR-30a ~ Gli2	Gli2 ~ Apaf1	mmu-miR-30a ~ Apaf1	Gli2 ~ mmu-miR-30a
mmu-miR-30a ~ Gli2	Gli2 ~ Fst	mmu-miR-30a ~ Fst	Gli2 ~ mmu-miR-30a
mmu-miR-30a ~ Gli2	Gli2 ~ Rad23b	mmu-miR-30a ~ Rad23b	Gli2 ~ mmu-miR-30a
mmu-miR-30a ~ Gli2	Gli2 ~ Sos1	mmu-miR-30a ~ Sos1	Gli2 ~ mmu-miR-30a
mmu-miR-367 ~ Hand1	Hand1 ~ Itga5	mmu-miR-367 ~ Itga5	Hand1 ~ mmu-miR-367
mmu-miR-367 ~ Hand1	Hand1 ~ Plekha1	mmu-miR-367 ~ Plekha1	Hand1 ~ mmu-miR-367
mmu-miR-367 ~ Hand2	Hand2 ~ Itga5	mmu-miR-367 ~ Itga5	Hand2 ~ mmu-miR-367
mmu-miR-367 ~ Hand2	Hand2 ~ Plekha1	mmu-miR-367 ~ Plekha1	Hand2 ~ mmu-miR-367
mmu-let-7b ~ Mef2c	Mef2c ~ Piga	mmu-let-7b ~ Piga	Mef2c ~ mmu-let-7b
mmu-miR-140 ~ Pax9	Pax9 ~ Hs2st1	mmu-miR-140 ~ Hs2st1	Pax9 ~ mmu-miR-140
mmu-miR-140 ~ Pax9	Pax9 ~ Pdgfra	mmu-miR-140 ~ Pdgfra	Pax9 ~ mmu-miR-140
mmu-miR-140 ~ Pax9	Pax9 ~ Rac1	mmu-miR-140 ~ Rac1	Pax9 ~ mmu-miR-140
mmu-miR-140 ~ Pax9	Pax9 ~ Tgfbr1	mmu-miR-140 ~ Tgfbr1	Pax9 ~ mmu-miR-140
mmu-miR-30a ~ Runx1	Runx1 ~ Eya1	mmu-miR-30a ~ Eya1	Runx1 ~ mmu-miR-30a
mmu-miR-30a ~ Runx1	Runx1 ~ Inhba	mmu-miR-30a ~ Inhba	Runx1 ~ mmu-miR-30a
mmu-miR-200b ~ Snai2	Snai2 ~ Eya4	mmu-miR-200b ~ Eya4	Snai2 ~ mmu-miR-200b
mmu-let-7b ~ Sp8	Sp8 ~ Bmpr1a	mmu-let-7b ~ Bmpr1a	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Cask	mmu-let-7b ~ Cask	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Chd7	mmu-let-7b ~ Chd7	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Chrd	mmu-let-7b ~ Chrd	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Crk	mmu-let-7b ~ Crk	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Edn1	mmu-let-7b ~ Edn1	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Fign	mmu-let-7b ~ Fign	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Lbr	mmu-let-7b ~ Lbr	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Piga	mmu-let-7b ~ Piga	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Tgfbr1	mmu-let-7b ~ Tgfbr1	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Tgfbr3	mmu-let-7b ~ Tgfbr3	Sp8 ~ mmu-let-7b
mmu-let-7b ~ Sp8	Sp8 ~ Wnt9b	mmu-let-7b ~ Wnt9b	Sp8 ~ mmu-let-7b
mmu-miR-17 ~ Sp8	Sp8 ~ Crk	mmu-miR-17 ~ Crk	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Efnb1	mmu-miR-17 ~ Efnb1	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Fzd7	mmu-miR-17 ~ Fzd7	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Gab1	mmu-miR-17 ~ Gab1	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Gad2	mmu-miR-17 ~ Gad2	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Hs2st1	mmu-miR-17 ~ Hs2st1	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Ift88	mmu-miR-17 ~ Ift88	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Itgb8	mmu-miR-17 ~ Itgb8	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Luzp1	mmu-miR-17 ~ Luzp1	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Pdgfra	mmu-miR-17 ~ Pdgfra	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Smoc1	mmu-miR-17 ~ Smoc1	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Sos1	mmu-miR-17 ~ Sos1	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Tgfbr2	mmu-miR-17 ~ Tgfbr2	Sp8 ~ mmu-miR-17
mmu-miR-17 ~ Sp8	Sp8 ~ Vegfa	mmu-miR-17 ~ Vegfa	Sp8 ~ mmu-miR-17

mmu-miR-17 ~ Sp8	Sp8 ~ Wnt9b	mmu-miR-17 ~ Wnt9b	Sp8 ~ mmu-miR-17
mmu-miR-20a ~ Sp8	Sp8 ~ Crk	mmu-miR-20a ~ Crk	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Efnb1	mmu-miR-20a ~ Efnb1	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Gab1	mmu-miR-20a ~ Gab1	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Gad2	mmu-miR-20a ~ Gad2	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Hs2st1	mmu-miR-20a ~ Hs2st1	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Itgb8	mmu-miR-20a ~ Itgb8	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Luzp1	mmu-miR-20a ~ Luzp1	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Pdgfra	mmu-miR-20a ~ Pdgfra	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Smoc1	mmu-miR-20a ~ Smoc1	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Sos1	mmu-miR-20a ~ Sos1	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Tgfbr2	mmu-miR-20a ~ Tgfbr2	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Vegfa	mmu-miR-20a ~ Vegfa	Sp8 ~ mmu-miR-20a
mmu-miR-20a ~ Sp8	Sp8 ~ Wnt9b	mmu-miR-20a ~ Wnt9b	Sp8 ~ mmu-miR-20a
mmu-miR-140 ~ Zeb1	Zeb1 ~ Fgf9	mmu-miR-140 ~ Fgf9	Zeb1 ~ mmu-miR-140
mmu-miR-140 ~ Zeb1	Zeb1 ~ Rac1	mmu-miR-140 ~ Rac1	Zeb1 ~ mmu-miR-140
mmu-miR-200b ~ Zeb1	Zeb1 ~ Apaf1	mmu-miR-200b ~ Apaf1	Zeb1 ~ mmu-miR-200b
mmu-miR-200b ~ Zeb1	Zeb1 ~ Bmi1	mmu-miR-200b ~ Bmi1	Zeb1 ~ mmu-miR-200b
mmu-miR-200b ~ Zeb1	Zeb1 ~ Piga	mmu-miR-200b ~ Piga	Zeb1 ~ mmu-miR-200b
mmu-miR-200b ~ Zeb1	Zeb1 ~ Rac1	mmu-miR-200b ~ Rac1	Zeb1 ~ mmu-miR-200b

Table S9. Pathway enrichment analysis of consensus TFs and genes in humans.

Pathway ID	KEGG pathway name	Count	Obs. #	*P*-value	FDR
hsa05200	Pathways in cancer - Homo sapiens (human)	397	13	1.50E-10	4.54E-08
hsa04010	MAPK signaling pathway - Homo sapiens (human)	255	9	1.23E-07	1.37E-05
hsa05218	Melanoma - Homo sapiens (human)	71	6	1.36E-07	1.37E-05
hsa04350	TGF-beta signaling pathway - Homo sapiens (human)	84	6	3.74E-07	2.84E-05
hsa05224	Breast cancer - Homo sapiens (human)	146	7	5.32E-07	3.23E-05
hsa04015	Rap1 signaling pathway - Homo sapiens (human)	212	7	6.52E-06	3.19E-04
hsa04810	Regulation of actin cytoskeleton - Homo sapiens (human)	216	7	7.38E-06	3.19E-04
hsa04014	Ras signaling pathway - Homo sapiens (human)	229	7	1.08E-05	4.11E-04
hsa04390	Hippo signaling pathway - Homo sapiens (human)	154	6	1.31E-05	4.41E-04
hsa04151	PI3K-Akt signaling pathway - Homo sapiens (human)	341	8	1.56E-05	4.72E-04
hsa05217	Basal cell carcinoma - Homo sapiens (human)	55	4	3.86E-05	1.06E-03
hsa04550	Signaling pathways regulating pluripotency of stem cells - Homo sapiens (human)	142	5	1.24E-04	3.14E-03
hsa05230	Central carbon metabolism in cancer - Homo sapiens (human)	67	3	1.67E-03	3.90E-02
hsa05166	HTLV-I infection - Homo sapiens (human)	258	5	1.92E-03	4.16E-02
hsa04060	Cytokine-cytokine receptor interaction - Homo sapiens (human)	265	5	2.16E-03	4.37E-02

FDR: false discovery rate.

Table S10. Pathway enrichment analysis of consensus TFs and genes in mice.

Pathway ID	KEGG pathway name	Count	Obs. #	*P*-value	FDR
mmu05200	Pathways in cancer - Mus musculus (mouse)	395	13	3.63E-11	1.09E-08
mmu04010	MAPK signaling pathway - Mus musculus (mouse)	252	9	4.39E-08	6.57E-06
mmu05218	Melanoma - Mus musculus (mouse)	71	6	7.17E-08	7.15E-06
mmu04350	TGF-beta signaling pathway - Mus musculus (mouse)	85	6	2.13E-07	1.53E-05
mmu05224	Breast cancer - Mus musculus (mouse)	146	7	2.56E-07	1.53E-05
mmu04015	Rap1 signaling pathway - Mus musculus (mouse)	215	7	3.50E-06	1.64E-04
mmu04810	Regulation of actin cytoskeleton - Mus musculus (mouse)	218	7	3.84E-06	1.64E-04
mmu04014	Ras signaling pathway - Mus musculus (mouse)	230	7	5.47E-06	2.05E-04
mmu04390	Hippo signaling pathway - Mus musculus (mouse)	154	6	7.05E-06	2.29E-04
mmu04151	PI3K-Akt signaling pathway - Mus musculus (mouse)	345	8	7.65E-06	2.29E-04

FDR: false discovery rate.

Table S11. Consensus interactions for each pair within the tri-molecules between humans and mice.

TF-gene		TF-miRNA		miRNA-gene		miRNA-TF	
FOXE1	*BMP2*	FOXE1	miR-17	miR-140	*FGF9*	miR-140	BMP2
FOXE1	*BMP4*	FOXE1	miR-18a	miR-140	*PDGFRA*	miR-140	PAX9
FOXE1	*BMP7*	FOXE1	miR-19a	miR-17	*PDGFRA*	miR-17	BMP2
FOXE1	*FGF8*	FOXE1	miR-20a	miR-20a	*PDGFRA*	miR-17	SP8
FOXE1	*FGFR1*	FOXE1	miR-451a			miR-19a	FOXF2
FOXE1	*FGFR2*	SOX9	miR-18a			miR-19b	FOXF2
FOXE1	*GABRB3*	SOX9	miR-19a			miR-20a	BMP2
FOXE1	*MSX1*	SOX9	miR-20a			miR-20a	SP8
FOXE1	*PAX9*	SP8	miR-140			miR-92a	PAX9
FOXE1	*PDGFRA*	SP8	miR-451a				
FOXE1	*PTCH1*						
FOXE1	*ROR2*						
FOXE1	*RYK*						
FOXE1	*SOX9*						
FOXE1	*TBX1*						
FOXE1	*TBX22*						
FOXE1	*TCOF1*						
FOXE1	*TFAP2A*						
FOXE1	*TGFB1*						
FOXE1	*TGFB3*						
FOXE1	*TP63*						
FOXE1	*VAX1*						
FOXE1	*WNT5A*						
FOXF2	*GABRB3*						
FOXF2	*TBX22*						
FOXF2	*TGFB3*						
SOX9	*SP8*						
SOX9	*TBX1*						
SP8	*BMP4*						
SP8	*FGF18*						
SP8	*FGF8*						
SP8	*FOXF2*						
SP8	*GABRB3*						
SP8	*GRHL3*						
SP8	*IRF6*						
SP8	*JAG2*						
SP8	*MN1*						
SP8	*NOG*						
SP8	*PAX3*						
SP8	*PAX9*						
SP8	*PTCH1*						
SP8	*ROR2*						
SP8	*SOX9*						
SP8	*TBX1*						
SP8	*TCOF1*						
SP8	*TFAP2A*						
SP8	*VAX1*						
SP8	*WNT5A*						
TBX1	*GABRB3*						

Table S12. List of targets of each hub TF or miRNA in humans.

FOXE1	PTCH1	RARA	SOX9	SP8	TFAP2A	miR-20a	miR-27b	miR-424	miR-497
AHCYL2	*DHFR*	*AXIN2*	*FGF1*	*AHCYL2*	*ARHGAP29*	*BHMT2*	*COL11A2*	*AHCYL2*	*AHCYL2*
AXIN2	*FGF18*	*FGF1*	*MID1*	*ARHGAP29*	*COL11A2*	*FGF4*	*CYP1B1*	*ARNT*	*ARNT*
BHMT2	*GABRB3*	*FGFR3*	*MN1*	*AXIN2*	*CYP1B1*	*FGF7*	*FGF1*	*AXIN2*	*AXIN2*
CRISPLD1	*PDGFRA*	*GABRB3*	*SDC2*	*CRISPLD1*	*FGF1*	*MID1*	*GABRB3*	*CRISPLD2*	*CRISPLD2*
CYP1B1	*PTCH1*	*GDF6*	*TBK1*	*CRISPLD2*	*FGF18*	*PDGFRA*	*GCH1*	*FGF1*	*FGF1*
DHFR	*SMC2*	*MID1*	*TIMP2*	*FAM49A*	*FGFR3*	*SDC2*	*GDF6*	*FGF2*	*FGF2*
ERBB2	*TGFA*	*PDGFRA*	*TNS1*	*FGF1*	*GABRB3*	*SP8*	*GREM1*	*FGF7*	*FGF7*
FGF1	*TPM1*	*PTCH1*	*TPM1*	*FGF18*	*GCH1*	*TIMP2*	*PDGFRA*	*FGF9*	*FGF9*
FGF7	*WDR1*	*STAB2*		*FGF2*	*GDF6*	*TNS1*	*RARA*	*FGFR1*	*FGFR1*
FGFR1	*WNT5A*	*SUMO1*		*FGF4*	*GREM1*	*ZNF236*	*SDC2*	*FGFR2*	*FGFR2*
FGFR2	*ZNF385B*	*WNT11*		*FGFR3*	*MID1*		*STAB2*	*MN1*	*MN1*
GABRB3		*ZNF385B*		*MN1*	*MYH9*		*SUMO1*	*PTCH1*	*PTCH1*
GCH1				*PTCH1*	*PTCH1*			*RHPN2*	*RHPN2*
MID1				*RHPN2*	*RHPN2*				
MTHFD1				*TGFA*	*SMC2*				
NOS3				*TIMP2*	*STAB2*				
PDGFRA				*ZNF236*	*WNT11*				
PTCH1				*ZNF385B*	*WNT3A*				
RHPN2					*ZNF236*				
SDC2					*ZNF385B*				
STAB2									
SUMO1									
TNS1									
TP63									
TPM1									
UBB									
WNT10A									
WNT5A									
ZNF236									
ZNF385B									

Table S13. List of targets of each hub TF or miRNA in mice.

Foxd3		Foxe1		Foxf2		Sp8		
Acvr1	*Hspg2*	*Acvr1*	*Hspg2*	*Acvr1*	*Hspg2*	*Acvr1*	*Fgfr1*	*Mmp14*
Acvr2a	*Ick*	*Acvr2a*	*Ick*	*Acvr2a*	*Ick*	*Acvr2a*	*Fgfr2*	*Mmp16*
Adamts20	*Ift88*	*Adamts20*	*Ift88*	*Adamts20*	*Ift88*	*Adamts20*	*Fign*	*Nog*
Adamts9	*Igf2r*	*Adamts9*	*Igf2r*	*Adamts9*	*Igf2r*	*Adamts9*	*Fst*	*Nrp1*
Akap8	*Impad1*	*Akap8*	*Impad1*	*Akap8*	*Impad1*	*Akap8*	*Fuz*	*Pdgfc*
Ap2b1	*Inhba*	*Ap2b1*	*Inhba*	*Ap2b1*	*Inhba*	*Ap2b1*	*Fzd7*	*Pdgfra*
Apaf1	*Insig2*	*Apaf1*	*Insig2*	*Apaf1*	*Insig2*	*Apaf1*	*Gab1*	*Pdgfrb*
Bmi1	*Itgav*	*Bmi1*	*Itgav*	*Bmi1*	*Itgav*	*Bmi1*	*Gabrb3*	*Pds5b*
Bmpr1a	*Itgb1*	*Bmpr1a*	*Itgb1*	*Bmpr1a*	*Itgb1*	*Bmpr1a*	*Gad2*	*Phc1*
Cask	*Kcnj2*	*Cask*	*Kcnj2*	*Cask*	*Kcnj2*	*Cask*	*Glce*	*Phc2*
Cdc42	*Kif3a*	*Cdc42*	*Kif3a*	*Cdc42*	*Kif3a*	*Cdc42*	*Grb2*	*Piga*
Cdkn1c	*Lims1*	*Cdkn1c*	*Lims1*	*Cdkn1c*	*Lims1*	*Cdkn1c*	*Gsk3b*	*Pkdcc*
Chd7	*Lrp6*	*Chd7*	*Lrp6*	*Chd7*	*Lrp6*	*Chd7*	*Hs2st1*	*Plekha1*
Ctgf	*Luzp1*	*Ctgf*	*Luzp1*	*Ctgf*	*Luzp1*	*Chrd*	*Hspg2*	*Ptpn11*
Ctnnb1	*Mapk1*	*Ctnnb1*	*Mapk1*	*Ctnnb1*	*Mapk1*	*Chuk*	*Ick*	*Ptprf*
Ctnnbip1	*Mdm4*	*Ctnnbip1*	*Mdm4*	*Ctnnbip1*	*Mdm4*	*Col11a1*	*Ift88*	*Rac1*
Dicer1	*Pdgfc*	*Dicer1*	*Pdgfc*	*Dicer1*	*Pdgfc*	*Col2a1*	*Igf2r*	*Rad23b*
Dlg1	*Pdgfra*	*Dlg1*	*Pdgfra*	*Dlg1*	*Pdgfra*	*Crk*	*Inhbb*	*Schip1*
Ednrb	*Pdgfrb*	*Ednrb*	*Pdgfrb*	*Ednrb*	*Pdgfrb*	*Ctgf*	*Insig1*	*Shh*
Efna5	*Pds5b*	*Efna5*	*Pds5b*	*Efna5*	*Pds5b*	*Ctnnb1*	*Insig2*	*Slc12a5*
Efnb1	*Phc1*	*Efnb1*	*Phc1*	*Efnb1*	*Phc1*	*Ctnnbip1*	*Itga5*	*Slc32a1*
Ephb2	*Piga*	*Ephb2*	*Piga*	*Ephb2*	*Piga*	*Cyp26b1*	*Itgav*	*Smoc1*
Ephb3	*Plekha1*	*Ephb3*	*Plekha1*	*Ephb3*	*Plekha1*	*Dicer1*	*Itgb1*	*Sos1*
Eya1	*Prickle1*	*Eya1*	*Prickle1*	*Eya1*	*Prickle1*	*Dlg1*	*Itgb6*	*Spry1*
Eya4	*Ptpn11*	*Eya4*	*Ptpn11*	*Eya4*	*Ptpn11*	*Edn1*	*Itgb8*	*Tgfb2*
Fgf10	*Ptprf*	*Fgf10*	*Ptprf*	*Fgf10*	*Ptprf*	*Ednrb*	*Kcnj2*	*Tgfbr1*
Fgfr1	*Rac1*	*Fgfr1*	*Rac1*	*Fgfr1*	*Rac1*	*Efna5*	*Kif3a*	*Tgfbr2*
Fgfr2	*Rad23b*	*Fgfr2*	*Rad23b*	*Fgfr2*	*Rad23b*	*Efnb1*	*Lbr*	*Tgfbr3*
Fign	*Rspo2*	*Fign*	*Rspo2*	*Fign*	*Rspo2*	*Ephb3*	*Lims1*	*Tiparp*
Fst	*Schip1*	*Fst*	*Schip1*	*Fst*	*Schip1*	*Eya1*	*Loxl3*	*Trp63*
Fuz	*Slc12a5*	*Fuz*	*Slc12a5*	*Fuz*	*Slc12a5*	*Eya4*	*Lrp6*	*Vcan*
Fzd2	*Sos1*	*Fzd2*	*Sos1*	*Fzd2*	*Sos1*	*Fbxo11*	*Luzp1*	*Vegfa*
Fzd7	*Spry1*	*Fzd7*	*Spry1*	*Fzd7*	*Spry1*	*Fgf10*	*Mapk1*	*Wls*
Gab1	*Tgfb2*	*Gab1*	*Tgfb2*	*Gab1*	*Tgfb2*	*Fgf9*	*Mapk3*	*Wnt9b*
Gabrb3	*Tgfbr1*	*Gabrb3*	*Tgfbr1*	*Gabrb3*	*Tgfbr1*			
Gad2	*Tgfbr2*	*Gad2*	*Tgfbr2*	*Gad2*	*Tgfbr2*			
Glce	*Tgfbr3*	*Glce*	*Tgfbr3*	*Glce*	*Tgfbr3*			
Grb2	*Tiparp*	*Grb2*	*Tiparp*	*Grb2*	*Tiparp*			
Gsk3b	*Vegfa*	*Gsk3b*	*Vegfa*	*Gsk3b*	*Vegfa*			

Table S14. Gene Ontology (GO) term enrichment analysis of overlapped genes using DAVID online tool.

Category	GO term	Count	*P*-value	FDR
BP	GO:0045893~positive regulation of transcription, DNA-templated	17	3.33E-16	5.22E-13
BP	GO:0000122~negative regulation of transcription from RNA polymerase II promoter	16	3.13E-13	4.92E-10
BP	GO:0060325~face morphogenesis	8	4.81E-13	7.57E-10
BP	GO:0060021~palate development	9	1.63E-12	2.57E-09
BP	GO:0045944~positive regulation of transcription from RNA polymerase II promoter	17	1.64E-12	2.58E-09
BP	GO:0009887~organ morphogenesis	9	1.25E-11	1.97E-08
BP	GO:0030326~embryonic limb morphogenesis	8	1.39E-11	2.18E-08
BP	GO:0008285~negative regulation of cell proliferation	12	2.97E-11	4.67E-08
BP	GO:0042472~inner ear morphogenesis	8	3.66E-11	5.75E-08
BP	GO:0007275~multicellular organism development	16	4.36E-11	6.85E-08
BP	GO:0050679~positive regulation of epithelial cell proliferation	8	5.40E-11	8.49E-08
BP	GO:0008284~positive regulation of cell proliferation	13	6.09E-11	9.58E-08
MF	GO:0008083~growth factor activity	9	1.26E-10	1.41E-07
BP	GO:0001843~neural tube closure	8	3.10E-10	4.86E-07
BP	GO:0010628~positive regulation of gene expression	11	1.02E-09	1.61E-06
BP	GO:0042475~odontogenesis of dentin-containing tooth	7	1.18E-09	1.86E-06
BP	GO:0030324~lung development	8	1.76E-09	2.76E-06
BP	GO:0001837~epithelial to mesenchymal transition	6	2.06E-09	3.23E-06
BP	GO:0045892~negative regulation of transcription, DNA-templated	12	2.31E-09	3.63E-06
BP	GO:0048762~mesenchymal cell differentiation	5	2.64E-09	4.15E-06
BP	GO:0045165~cell fate commitment	7	2.69E-09	4.23E-06
BP	GO:0002053~positive regulation of mesenchymal cell proliferation	6	5.24E-09	8.23E-06
BP	GO:0030501~positive regulation of bone mineralization	6	5.24E-09	8.23E-06
BP	GO:0051216~cartilage development	7	5.96E-09	9.36E-06
BP	GO:0030509~BMP signaling pathway	7	8.54E-09	1.34E-05
BP	GO:0002062~chondrocyte differentiation	6	1.63E-08	2.56E-05
BP	GO:0001657~ureteric bud development	6	2.03E-08	3.19E-05
MF	GO:0001228~transcriptional activator activity, RNA polymerase II transcription regulatory region sequence-specific binding	7	2.53E-08	2.83E-05
BP	GO:0001701~in utero embryonic development	9	3.79E-08	5.96E-05
BP	GO:0030154~cell differentiation	12	5.04E-08	7.92E-05
BP	GO:0042476~odontogenesis	5	1.38E-07	2.16E-04
BP	GO:0050680~negative regulation of epithelial cell proliferation	6	1.61E-07	2.53E-04
BP	GO:0060395~SMAD protein signal transduction	6	2.26E-07	3.55E-04
BP	GO:0007507~heart development	8	2.98E-07	4.68E-04
BP	GO:0040007~growth	5	4.57E-07	7.19E-04
BP	GO:0042060~wound healing	6	6.15E-07	9.66E-04
BP	GO:0048701~embryonic cranial skeleton morphogenesis	5	6.36E-07	1.00E-03
BP	GO:0007435~salivary gland morphogenesis	4	8.23E-07	0.001293
BP	GO:0070374~positive regulation of ERK1 and ERK2 cascade	7	8.44E-07	0.001326
BP	GO:0008543~fibroblast growth factor receptor signaling pathway	5	9.50E-07	0.001492
BP	GO:0043410~positive regulation of MAPK cascade	6	1.02E-06	0.001598
MF	GO:0005160~transforming growth factor beta receptor binding	5	1.05E-06	0.00118
BP	GO:0051781~positive regulation of cell division	5	1.14E-06	0.001797
BP	GO:0001501~skeletal system development	6	1.17E-06	0.00184
BP	GO:0001658~branching involved in ureteric bud morphogenesis	5	1.49E-06	0.002338
BP	GO:0010862~positive regulation of pathway-restricted SMAD protein phosphorylation	5	1.49E-06	0.002338

MF	GO:0003700~transcription factor activity, sequence-specific DNA binding	11	1.76E-06	0.00197
BP	GO:0060445~branching involved in salivary gland morphogenesis	4	2.26E-06	0.003548
BP	GO:0003151~outflow tract morphogenesis	5	2.40E-06	0.003772
MF	GO:0004714~transmembrane receptor protein tyrosine kinase activity	5	2.42E-06	0.002715
BP	GO:0061036~positive regulation of cartilage development	4	2.78E-06	0.004362
BP	GO:0007389~pattern specification process	5	3.20E-06	0.005036
BP	GO:0060037~pharyngeal system development	4	4.03E-06	0.006341
BP	GO:0071363~cellular response to growth factor stimulus	5	4.76E-06	0.007486
BP	GO:0042733~embryonic digit morphogenesis	5	5.39E-06	0.00847
MF	GO:0008201~heparin binding	6	6.44E-06	0.007214
BP	GO:0006351~transcription, DNA-templated	14	8.49E-06	0.013347
BP	GO:0090190~positive regulation of branching involved in ureteric bud morphogenesis	4	8.70E-06	0.013678
BP	GO:0090103~cochlea morphogenesis	4	8.70E-06	0.013678
BP	GO:0003148~outflow tract septum morphogenesis	4	9.94E-06	0.015613
BP	GO:0042474~middle ear morphogenesis	4	9.94E-06	0.015613
MF	GO:0043565~sequence-specific DNA binding	9	1.08E-05	0.012114
BP	GO:0006355~regulation of transcription, DNA-templated	15	1.25E-05	0.019677
BP	GO:0001934~positive regulation of protein phosphorylation	6	1.66E-05	0.026162
BP	GO:0060686~negative regulation of prostatic bud formation	3	1.82E-05	0.028543
BP	GO:0001503~ossification	5	2.39E-05	0.03761
BP	GO:0030335~positive regulation of cell migration	6	2.67E-05	0.041973
BP	GO:0060512~prostate gland morphogenesis	3	3.02E-05	0.047515
BP	GO:0090090~negative regulation of canonical Wnt signaling pathway	5	3.04E-05	0.047754
BP	GO:0034504~protein localization to nucleus	4	3.17E-05	0.049817
BP	GO:0071773~cellular response to BMP stimulus	4	3.17E-05	0.049817
BP	GO:0045786~negative regulation of cell cycle	4	3.45E-05	0.05428
MF	GO:0005125~cytokine activity	6	3.47E-05	0.03889
MF	GO:0003677~DNA binding	13	3.93E-05	0.04404

BP: Biological Process. MF: Molecular Function.

FDR: False discovery rate.

Table S15. Primers for qRT-PCR.

Species	Gene	Forward sequence	Reverse sequence
Human	*BMP2*	5'-ACTCGAAATTCCCCGTGACC-3'	5'-CCACTTCCACCACGAATCCA-3'
	FGF9	5'-GCTACAACGCTCCGCGA-3'	5'-TCCATTGGCTTAGAACGGGT-3'
	PAX9	5'-CCTGCTCTCGCAAGGAGAAA-3'	5'-AAGGAGCCTCACGGTTCAAG-3'
	PDGFRA	5'-AAAAGCGAAGGCGCAATCTG-3'	5'-TCCGCAATGAATGTCCCACA-3'
	GAPDH	5'-GACAGCCAGCCGCATCTTCT-3'	5'-GCGCCCAATACGACCAAATC-3'
Mouse	*Bmp2*	5'-GACCCGCTGTCTTCTAGTGT-3'	5'-ACGGCTTCTTCGTGATGGAA-3'
	Fgf9	5'-GTCGGATGGGATGAAGACCTTT-3'	5'-TAATCGGCTGTTTCTCTGGCA-3'
	Pax9	5'-ACCGCTTCTGCACTCTGATG-3'	5'-GGGCAACACAAATGCCTCAT-3'
	Pdgfra	5'-TCAGAGAGAATCGGCCCCA-3'	5'-AGGACGAATTCAGCTGCACA-3'
	Gapdh	5'-AACTTTGGCATTTGGAAGG -3'	5'-ACACATTGGTAGGAACA-3'