

**Table S8** List of transcription factors (TFs) which were predicted in the putative promoter regions (-3kbp to +1kb) of altered microRNAs using JASPAR (with at least 99% relative profile score threshold). Only common TFs for group of these microRNAs are presented.

MicroRNA	Cancer cell type															location	miRNA Cluster	PCSR	Common predicted TFs for miRNAs on same locus
	Br	Ce	En	Ov	Pr	Te	Re	Co	Ga	Li	Pn	Gl	Ln	In	Bl				
hsa-mir-200c																12p13.31	12p13.31	✓	NFIC, ETS1, USF1, MZF1_1-4, AP1, NR4A2,
hsa-mir-141																12p13.31		✓	GATA2, SOX10, FEV, SPI1, ZNF354C, SPIB
hsa-mir-106a																Xq26.2	Xq26.2	✓	ETS1, FOXL1, GATA2, ZNF354C, YY1, SPI1,
hsa-mir-20b																Xq26.2		✓	GATA3, NFATC2, AP1, NFIC, USF1
hsa-mir-30c-2																6q13	6q13	✓	NFIC, ETS1, MZF1_1-4, SOX10
hsa-mir-30a																6q13		✓	GATA2, ZNF354C, FOXD1
hsa-mir-500																Xp11.23		-	ETS1 , MZF1_1-4, GATA2 ,SOX10,
hsa-mir-532																Xp11.23		-	YY1 , ZNF354C , SPI1, GATA3
hsa-mir-501																Xp11.23	Xp11.23	-	
hsa-mir-502																Xp11.23		-	
hsa-mir-362																Xp11.23		-	
hsa-mir-432																14q32.2		✓	YY1, ETS1, MZF1_1-4, SPIB, ZNF354C, GATA3, SOX10
hsa-mir-770																14q32.2	14q32.2	✓	
hsa-mir-127																14q32.2		✓	
hsa-mir-379																14q32.31		-	NFIC, ETS1, YY1, MZF1_1-4 , GATA2,
hsa-mir-382																14q32.31	14q32.31	-	GATA3, ZNF354C , NFATC2, SPI1
hsa-mir-134																14q32.31		-	
hsa-mir-27b																9q22.32		-	YY1, GATA2, ETS1, NFIC, SPI1
hsa-let-7d																9q22.32	9q22.32	-	MZF1_1-4 , ZNF354C
hsa-mir-23b																9q22.32		-	
hsa-mir-99b																19q13.41	19q13.41	✓	ZNF354C, SPIB, MZF1_1-4, SP1, NR4A2, TFAP2A
hsa-mir-125a																19q13.41		✓	ETS1, SPI1, ELK1, NFIC, YY1
hsa-mir-424																Xq26.3	-	-	-
hsa-mir-106b																7q22.1	7q22.1	-	MZF1_1-4 , YY1, GATA2, ZNF354C, NFATC2, HOXA5,
hsa-mir-93																7q22.1		-	ETS1,FOXO3, GATA3, FEV, SPI1, NFIC
hsa-mir-149																2q37.3	-	-	-
hsa-mir-200b																1p36.33	-	-	-
hsa-mir-21																17q23.1	-	✓	-
hsa-mir-126																9q34.3	-	-	-
hsa-mir-214																1q24.3	-	✓	-
hsa-mir-101-1																1p31.3	-	✓	-
hsa-miR-182																7q32.2	-	-	-
mir155HG (BIC)																21q21.3	-	✓	-
hsa-mir-30e																1p34.2	-	-	-
hsa-mir-422a																15q22.31	-	-	-
hsa-mir-132																17p13.3	-	-	-
hsa-mir-205																1q32.2	-	-	-
hsa-mir-375																2q35	-	-	-
hsa-mir-1274b																19q13.43	-	-	-
hsa-mir-361																Xq21.2	-	-	-

Abbreviations: Br, Breast; Ce, Cervical; En, Endometrial; Ov, Ovarian; Pr, Prostate; Te, Testicular; Re, Renal; Co, Colorectal; Ga, Gastric; Li, Liver; Pn, Pancreatic; Gl, Glioblastoma; Ln, Lung; In, Intestinal Neuroendocrine; Bl, Bladder; PCSR, Potential Cancer-Susceptibility Region; TF, Transcription Factor.

Symbols: , over-expression; , down-expression; ✓, risk region