

SUPPLEMENTARY INFORMATION

***In Silico* Study of miRNA Based Gene Regulation, Involved in Solid Cancer,
by the Assistance of Argonaute Protein**

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Supplementary Table 1. Twenty-three miRNAs and 64 targeted genes with their expression type in seven types of solid cancer are reported

miRNA	Cancer	Target gene				Reference
		Oncogene	Expression	Tumor suppressor gene	Expression	
miR-21	Lung	Absent	-	<i>PDCD4</i> ^a	Down	[1]
	Breast	Absent	-	<i>PTEN</i> ^a	Down	[2]
	Prostate	Absent	-	<i>PTEN</i>	Up	[2]
	Colorectal	<i>CDC25A</i> ^a	Down	<i>PDCD4</i> ^a , <i>TGFBR2</i> ^a	Down	[3]
	Pancreatic	Absent	-	<i>PTEN</i>	Up	[2]
	Stomach	Absent	-	<i>PDCD4</i>	Up	[4]
	Bladder	<i>RECK</i> ^a <i>BCL-2</i> ^a	Up	<i>PTEN</i>	Up	[2]
miR-17-5p	Lung	<i>BECN1</i>	Up	Absent	-	[5]
	Breast	<i>AIB1</i>	Down	Absent	-	[6]
	Prostate	<i>PCAF</i> ^a	Up	Absent	-	[7]
	Colorectal	Absent	-	<i>PTEN</i> ^a	Down	[8]
	Pancreatic	<i>MUC17</i> ^a	Up	Absent	-	[9]
miR-191	Lung	<i>TIMP3</i> , <i>NDST1</i>	Down	<i>CDK6</i>	Up	[10]
	Breast	<i>NDST1</i> , <i>STAB1</i>	Down	Absent	-	[11, 12]
	Prostate	Absent	-	Absent	-	-
	Colorectal	<i>SOX4</i> ^a , <i>TIMP3</i> ^a	Up	Absent	-	[11]
	Stomach	<i>NDST1</i>	Down	Absent	-	[10]
miR-29b-2	Lung	<i>MMP2</i> ^a	Up	Absent	-	[13]
	Breast	<i>MMP2</i> ^a , <i>DNMT3B</i> ^a	Up	Absent	-	[14]
	Prostate	<i>DNMT3B</i> ^a , <i>VEGFA</i> ^a , <i>MMP2</i> ^a	Up	Absent	-	[15]
	Colorectal	<i>MMP2</i> ^a	Up	Absent	-	[16]
	Pancreatic	Absent	0	<i>PTEN</i>	Up	[14]
	Stomach	<i>MMP2</i> ^a	Up	Absent	-	[17]
	Bladder	<i>IFNG</i> ^a , <i>MMP2</i> ^a	Up	Absent	-	[14]
	miR-223	Prostate	<i>SEPT6</i>	Down	Absent	-
Colorectal	<i>FOXO1</i> ^a , <i>IGF-1R</i> ^a	Up	Absent	-	[19]	
Pancreatic	<i>NFIA</i> ^a	Up	Absent	-	[20]	
Stomach	Absent		<i>FBXW7</i> ^a	Down	[21]	

miR-199a-1	Lung	<i>HIF1α</i> ^a	Up	Absent	-	[22]
	Prostate	Absent	-	Absent	-	-
	Pancreatic	Absent	-	<i>SMAD4</i> ^a	Down	[23]
miR-126	Lung	<i>VEGF</i> ^a , <i>SLC7A5</i> ^a	<i>CRK</i> ^a , Down	<i>EGFR</i> ^a	Down	[24]
	Breast	<i>SOX4</i>	Down	Absent	-	-
	Prostate	<i>EGFL7</i>	Down	Absent	-	[25]
	Colorectal	Absent	-	<i>IRS-1</i> ^a	Down	[26]
	Pancreatic	<i>K-RAS</i>	Down	Absent	-	[27]
	Stomach	<i>CRK</i> ^a	Up	Absent	-	[28]
	Bladder	<i>ADAM9</i> ^a	Up	Absent	-	[29]
miR-31	Lung	-	-	<i>LATS2</i> ^a , <i>PPP2R2A</i> ^a	Down	[30]
	Breast	<i>F2D3</i> , <i>MMP6</i>	<i>ITGA5</i> , Down	Absent	-	[31]
	Prostate	<i>EZH2</i> ^a	Up	Absent	-	[32]
	Colorectal	<i>TIAM1</i> , <i>FOXP3</i> , <i>HIF1A</i>	<i>FOXC2</i> , Up	Absent	-	[33]
miR-24-2	Colorectal	<i>DHFR</i>	Down	Absent	-	[34]
	Pancreatic	Absent	-	<i>MEN1</i>	Up	-
	Stomach	Absent	-	Absent	-	-
miR-24-1	Colorectal	<i>DHFR</i>	Down	Absent	-	[34]
	Pancreatic	Absent	-	Absent	-	-
	Stomach	Absent	-	Absent	-	-
miR-146a	Breast	<i>IRAK1</i> , <i>TRAF6</i>	Down	Absent	-	[35]
	Prostate	<i>ROCK1</i> ^a	Up	Absent	-	[36]
	Pancreatic	<i>IRAK1</i> ^a , <i>MTA2</i> ^a	<i>NFKB</i> ^a , Down	<i>EGFR</i> ^a	Down	[35]
miR-155	Lung	<i>CASP3</i> ^a , <i>TP53INP1</i> ^a , <i>CASP317</i> ^a	Down	<i>SOCS1</i> ^a , <i>PTEN</i> ^a	- Down	[37]
	Breast	<i>FOXO3</i> ^a	Up	<i>SOCS1</i> ^a	Up	[38]
	Colorectal	<i>MSH1</i> , <i>MSH2</i>	Up	Absent	-	[39]
	Pancreatic	<i>LDOC1</i> , <i>TP53INP1</i>	Down	Absent	-	[37]
miR-181b-1	Breast	<i>BCL2</i> ^a	Up	-	-	[40]
	Prostate	<i>CBX7</i>	Down	Absent	-	[41]
	Colorectal	<i>TIPM3</i> ^a	Up	-	-	[40]

	Pancreatic	Absent	-	<i>PTEN</i>	Up	[42]
	Stomach	Absent	-	<i>TIMP3</i> ^a	Down	[32]
miR-20a	Prostate	<i>E2F1-3</i>	Down	Absent	-	[43]
	Colorectal	Absent	-	<i>PTEN</i> ^a	Down	[44]
	Pancreatic	<i>ABL2</i> ^a	Up	Absent	-	[35]
miR-107	Colorectal	<i>HIF1β</i>	Down	Absent	-	-
	Pancreatic	Absent	-	<i>CDK6</i> ^a	Down	[45]
	Stomach	Absent	-	<i>CDK6</i>	Up	-
miR-32	Prostate	<i>BCL2L1</i> ^a	Up	Absent	-	[46]
	Colorectal	Absent	-	<i>PTEN</i> ^a	Down	[47]
	Pancreatic	Absent	-	<i>APC</i>	UP	-
miR-92-2	Prostate	Absent	-	Absent	-	-
	Pancreatic	Absent	-	<i>SMAD4</i>	UP	-
	Stomach	Absent	-	Absent	-	-
mir-214	Prostate	Absent	-	Absent	-	-
	Pancreatic	-	-	<i>ING4</i> ^a	Down	[48]
	Stomach	Absent	-	<i>PTEN</i>	Up	[49]
miR-25	Prostate	Absent	-	Absent	-	-
	Pancreatic	Absent	-	Absent	-	-
	Stomach	<i>CORO1A</i>	-	Absent	-	-
miR-30c	Prostate	Absent	-	Absent	-	-
	Colorectal	<i>RASAI, ERG, SEMA6D, SEMA3D</i>	Down	Absent	-	-
	Pancreatic	<i>MUC17</i>	-	Absent	-	-
miR-106a	Prostate	Absent	-	Absent	-	-
	Colorectal	<i>E2F1</i> ^a	Up	<i>PTEN</i> ^a , <i>RBI</i> ^a	Up	[50]
	Pancreatic	Absent	-	<i>TGFBR2</i> ^a	Down	[51]
miR-128b	Lung	<i>VEGF</i> ^a , <i>CRK</i> ^a , <i>SLC7A5</i> ^a	Down	<i>EGFR</i> ^a	Down	[17]
	Colorectal	Absent	-	<i>EGFR</i>	Up	-
	Pancreatic	Absent	-	Absent	-	-
miR-221	Colorectal	<i>RECK</i>	-	Absent	-	-
	Pancreatic	Absent	-	<i>PTEN</i>	Up	[52]
	Stomach	Absent	-	<i>PTEN</i>	Up	[53]

miRNA, microRNA.

^aThe genes are on the basis of their expression criteria fixed in methodology.

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