

**Supplemental Table S2 Information on miRNAs interacted with genes of breast cancer and other cancer.**

miRNA	Information about miRNAs	A source of information
TJU_CMC_MD2.ID03306.3p-miR	MDA-MB-231 cells (BC)	PMID: 26400174
miR-127-3p	Exosomes (BC)	PMID: 30309355
miR-466	Prostate cancer cells	PMID: 28125091
miR-548aq-3p	Intrahepatic cholangiocarcinoma cells	PMID: 27619971
miR-548z	Hepatoblastoma cells	PMID: 29404451
miR-566	Glioma cell lines, melanoma cells	PMID: 24650032, PMID: 30323971
miR-574-3p	Melanoma cells, serum (Pancreatic cancer)	PMID: 20302635, PMID: 25664025
miR-574-5p	BC cells	PMID: 28789418
miR-619-5p	Colorectal carcinoma cells	PMID: 28101234
miR-762	Serum (Pancreatic cancer)	PMID: 25664025
miR-877-3p	Bladder cancer cells	PMID: 27429046
miR-937-5p	BC cells	PMID: 26378051
miR-1273c	BC cells	PMID: 25471792
miR-1273d	Glioma cells	PMID: 26892862
miR-1273e	Urinary exosomes	PMID: 29479137
miR-1273f	Plasma (hepatocellular carcinoma)	PMID: 28657540
miR-1273-3p	Colon cancer cells	PMID: 30186855
miR-1273g-3p	Serum (ovarian cancer)	PMID: 30264202
miR-1285-3p	Plasma (hepatocellular carcinoma)	PMID: 25230788
miR-1470	Serum (esophageal squamous cell carcinoma)	PMID: 29344220
miR-1908-3p	Mutant UQCRB-expressing cells (cancer)	PMID: 30120311
miR-2861	Cervical cancer tissues	PMID: 27364926, PMID: 26656154
miR-3155a	Prostate, bladder cancer cells	PMID: 29291244
miR-3198	Stem cell, serum (pancreatic cancer)	PMID: 30389909, PMID: 25664025
miR-3620-5p	Glioma-associated human mesenchymal cells	PMID: 28855213
miR-3960	BC cells	PMID: 28886127
miR-4466	BC cells	PMID: 28789418
miR-4507-3p	BC cells	PMID: 26397135
miR-4508	BC cells	PMID: 27019627
miR-4690-5p	Exosomes (hyperhomocysteinemia)	PMID: 29560091
miR-4706	Melanoma cells	PMID: 26778792
miR-4787-5p	Pancreatic cancer cells	PMID: 27624777
miR-5008-5p	Gastric cancer	PMID: 30373600
miR-5095	Cholangiocarcinoma cells	PMID: 29620172
miR-5096	Glioma cells	PMID: 25978028
miR-5585-3p	BC cells	PMID: 28789418

miR-6089	Colorectal cancer cells	PMID: 27780077
miR-6729-5p	Exosomes (aging)	PMID: 26370963
miR-6756-5p	BC cells	PMID: 29607263
miR-6805-3p	Oral mucosal melanoma cells	PMID: 30323971
miR-6805-5p	Oral mucosal melanoma cells	PMID: 30323971
miR-6846-5p	Oral mucosal melanoma cells	PMID: 30323971
miR-6850-5p	Excretory system cancer cells	PMID: 27019673
miR-7111-3p	Exosomes (aging)	PMID: 26370963