

Table 1 The up regulated miRNAs and their target mRNAs selected based on the REC score. miRNAs are selected based on their high expression in ovarian cancer as compared to controls. The target mRNAs were found using Cancerminer database and selected based on REC score. Some miRNAs were not found in the Cancerminer database and those were excluded. %73 of the microRNAs are related to tumorigenesis

miRNA	Location	Cancerminer	REC Score	Assoc. Score	Function	Involved tumorigenesis
hsa-mir-885	3p25.3	SEPT 2	-4.22	-11.59	cyclin-dependent kinase 2	Yes
hsa-mir-663b	2q21.2	LTBP3	-4.26	-10.04	HRAS-like suppressor family	Yes
hsa-mir-449b	5q11.2	C1S	-2.69	-13.72	sirtuin 1	Yes
hsa-mir-1266	15q21.2	SNAI2	-9.92	N/A	snail family zinc finger 2	Yes
hsa-mir-383	8p22	PODNL1	-4.82	-1.41	vascular endothelial growth factor A	No
hsa-mir-1911	Xq23	NEXN	-5.55	N/A	nexilin (F actin binding protein)	No
hsa-mir-663	20p11.1	BBS1	-5.01	-7.20	jun B proto-oncogene	Yes
hsa-mir-760	1p22.1	IGFBP7	-8.10	-1.15	casein kinase 2, alpha 1 polypeptide	No
hsa-mir-449a	5q11.2	FN1	-8.45	-12.03	cell division cycle 25 homolog A	Yes
hsa-mir-1234	8q24.3	FAM168A	-4.22	-9.99	family with sequence similarity 168	Yes
hsa-mir-513c	Xq27.3	POSTN	N/A	-22.92	met proto-oncogene	Yes
hsa-mir-206	6p12.2	EVA1C	-4.07	-7.83	frataxin	No
hsa-mir-506	Xq27.3	TNFAIP6	-4.03	-23.47	tumor necrosis factor	Yes
hsa-mir-510	Xq27.3	TNFAIP6	-2.84	-23.89	tumor necrosis factor	Yes
hsa-mir-135a-2	12q23.1	GNB4	-5.44	-19.51	protein tyrosine phosphatase	Yes
hsa-mir-200b	1p36.33	TGFB1I1	-10.52	-11.48	protein tyrosine phosphatase	Yes
hsa-mir-200a	1p36.33	ZEB1	-10.88	-16.43	distal-less homeobox 5	Yes
hsa-mir-509-3	Xq27.3	POSTN	-4.09	-35.80	neurotrophic tyrosine kinase	Yes
hsa-mir-891a	Xq27.3	UFC1	-3.50	-6.81	ubiquitin-fold modifier conjugating enzyme	No
hsa-mir-187	18q12.2	CSGALNACT2	-2.355	-6.45	tubulin, gamma 1	No
hsa-mir-92b	1q22	NBL1	-5.75	-9.04	coronin, actin binding protein	Yes
hsa-let-7c	21q21.1	PCTP	-4.88	-8.45	cyclin-dependent kinase 6	Yes