

# Regulatory Mechanisms of Epigenetic miRNA Relationships in Human Cancer and Potential as Therapeutic Targets

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**Table S1.** Epigenetic regulation of miRNAs in leukaemia and lymphomas.

Cancer/Condition	Epi Modification	Epi Regulator	miRNA	Level of Expression	Ref (Pubmed ID)
Acute Lymphoblastic leukaemia	DNA Methylation	DNMTs	miR-22	Low	19807731
	Histone Acetylation	HDACs	miR-141, miR-151a-5p, miR-15a, miR-181a-2, miR-181d, miR-185, miR-18a-3p, miR-192, miR-194-1, miR-196a-3p, miR-215, miR-26a-2-3p, miR-27a, miR-28-5p, miR-29a-5p, miR-29c, miR-320a, miR-339-3p, miR-377-5p, miR-491-3p, miR-500a, miR-502-3p, miR-509-3-5p, miR-550a-3p, miR-589, miR-769-5p, miR-887, miR-9-3p, miR-106b, miR-181c, miR-191, miR-24-2-5p, miR-29b-3p, miR-30c-2, miR-552, miR-574-3p, miR-923, miR-937, miR-205		
	H3K27me3/H3ac	-	miR-22	High	
	DNA Methylation	-	miR-9-1	Low	21810092
	DNA Methylation	DNMTs	miR-124-1, miR-124-2, miR-124-3, miR-34b, miR-34c, miR-9-1, miR-9-3, miR-10b, miR-203a, miR-196b, miR-9-2, miR-132, miR-212	Low	19164206
	H3K9me2/H3K4me3	-	miR-9-1, miR-9-2, miR-9-3, miR-10b, miR-34b, miR-34c, miR-124-1, miR-124-2, miR-124-3, miR-132, miR-196b, miR-203a, miR-212		
	DNA Methylation	DNMTs	miR-124-3p	High	19435910
	H3K9me3/H3K27me3/H3ac	-			
DNA Methylation	-	miR-196b	Low	20494936	
Acute myeloid leukaemia	DNA Methylation	DNMT-1/MLL	miR-486, miR-424, miR-148a, miR-101-3p	Low	21116279
			miR-200b, miR-200a, miR-429, miR-152, miR-10a, miR-503, miR-432	High	
		AML1/ETO protein	miR-193a	High	23223432
			miR-370	Low	22900969
	DNA Methylation	DNMTs	miR-193a	High	21399664
			miR-34b, miR-34c	High	19258499
Aggressive B-cell lymphoma			miR-124-3p	High	18451139
	H4ac/H3K27me3	MYC/HDAC3/EZH2	miR-29a	High	23079660
Burkitt lymphoma	DNA Methylation	-	miR-9-1	Low	20930934
	DNA Methylation	DNMTs	miR-129-2	High	23406679

Haematological malignancy	DNA Methylation	DNMTs	miR-124-1	High	21544199
	H3K4me3	-		Low	
	DNA Methylation	DNMTs	miR-203a	High	
Leukaemia	DNA Methylation	DNMTs	miR-34a	High	20118199
	DNA Methylation	-	miR-124-3p	low	22541098
	DNA Methylation	DNMTs	miR-143	High	21706045
	DNA Methylation	DNMTs	miR-1202, miR-1228, miR-149, miR-1225, miR-339-3p, miR-210, miR-502-3p, miR-126, miR-150, miR-943, miR-1255a, miR-195, miR-493, miR-223	Low	21518471
	DNA Methylation	DNMTs	miR-203a	High	18538733
	DNA Methylation	AML1-ETO H3ac/H4ac oncoprotein/HDAC1/DNMTs/MeCP2	miR-223	High	17996649
Mantle cell lymphoma	H4ac	HDAC3/Myc	miR-15a	High	22002311
	H5ac	HDAC3/Myc	miR-16-1	High	22002312
Mixed lineage leukemia-rearranged acute leukemias	H3ac/H3K4me3	MLL fusion proteins	miR-17, miR-18a, miR-19a, miR-20a, miR-19b-1, miR-92a-1	High	20133587
NK-T cell lymphoma	DNA Methylation	DNMTs	miR-146a	High	21610143
T-cell leukaemia	H3K9me/H3K27me	PRC2	miR-31	High	22264793

Table S2. Epigenetic regulations of miRNAs in solid cancers.

Cancer/Condition	Epi Modification	Epi Regulator	miRNA	Level of Expression	Ref (pubmed ID)
Breast	DNA Methylation	DNMTs	miR-9-1	High	17948228
	DNA Methylation	DNMTs	miR-9-1, miR-124-3, miR-148a, miR-152, miR-663a	High	18314617
	DNA Methylation	-	miR-196a-2	Low	19567675
	DNA Methylation	DNMTs	miR-200c, miR-141	High	20682048
	DNA Methylation	-	let-7a-3	Low	20848182
	DNA Methylation	-	miR-375	Low	20978187
	H3K9me2	-			
	DNA Methylation	DNMTs	miR-335	High	21289068
	DNA Methylation	-	miR-195, miR-497	Low	21350001
	DNA Methylation	DNMTs	miR-125b-5p	High	21444677
	Histone Acetylation	HDACs	miR-200a	Low	21926171
	DNA Methylation	DNMTs	miR-34a, miR-125b-5p, miR-126, miR-155, miR-193b, miR-378a, miR-424, miR-494, miR-768	Low	22076154
	DNA Methylation	-	miR-200a, miR-200b, miR-429	Low	22231446

	DNA Methylation	DNMTs	miR-203a	High	22393463
	DNA Methylation	DNMT-1	miR-148a, miR-152	High	22935141
	DNA Methylation	-	miR-200a, miR-200b, miR-200c, miR-141, miR-429	Low	23112837
	DNA Methylation	-	miR-31, miR-130a, let-7a-3, let-7b, miR-155, miR-137, miR-34b, miR-34c	Low	23342147
	DNA Methylation	Mel-18/DNMT-1	miR-205	High	23474752
	DNA Methylation	Kindlin 2/DNMT-3	miR-200a, miR-200b, miR-429	Low	23483548
	DNA Methylation	-	miR-10b	High	23125021
Apoptosis resistant breast cancer	Histone Acetylation	HDACs	miR-1, miR-22, miR-139, miR-143, miR-144, miR-153, miR-155, miR-191-3p, miR-194-1, miR-215, miR-202-5p, miR-335, miR-486, miR-519c-5p, miR-544a, miR-559, miR-568, miR-620, miR-627, miR-638, miR-641, miR-888	Low	21971930
Breast tumour cell cycle progression	H3K4me3	JARID1B	let-7e	High	21969366
Breast tumour-initiating cells	DNA Methylation	sp1	miR-34c	Low	22074923
Breast cancer metastasis	DNA Methylation	-	miR-124-3p	Low	22085528
TNBC	DNA Methylation	DNMTs	miR-31	High	22289355
	DNA Methylation	-	miR-200a, miR-205	Low	20473948
	DNA Methylation	-	miR-34a, miR-126, miR-200b-5p, miR-516a-1, miR-551a, miR-744, miR-1226-5p, miR-24-1-5p, miR-149, miR-193a, miR-210, miR-503, miR-1227, miR-1229	Low	
Bladder	DNA Methylation	DNMTs	miR-152, miR-212, miR-328, miR-1224-3p, miR-9-3, miR-9-1, miR-9-2, miR-34b	High	21138856
	DNA Methylation	DNMTs	miR-9-2	Low	
	H3K9me3	-	miR-193a, miR-212, miR-149, miR-328, miR-1224	Low	
	DNA Methylation	DNMTs	miR-517a	Low	21479368
	DNA Methylation	-	miR-203a	Low	21836020
	DNA Methylation	DNMTs	miR-9-1, miR-9-3, miR-10b, miR-34b, miR-124-1, miR-124-2, miR-124-3, miR-137, miR-200b, miR-203a, miR-409, miR-675	High	23200812
Cervical	DNA Methylation	DNMTs	miR-124-3p	High	20579385
	DNA Methylation	-	miR-124-3p, miR-34b, miR-203a	Low	21461574
	DNA Methylation	-	miR-149, miR-203a, miR-375	High	23324622
Colon	DNA Methylation	DNMTs	miR-517b, miR-517a, miR-372, miR-519d, miR-520g, miR-373	Low High	21785829
	DNA Methylation	-	miR-34a, miR-34b, miR-34c	Low	23243217
Colorectal	DNA Methylation	DNMTs	miR-342	High	18264139
	DNA Methylation	DNMTs	miR-124-3p, miR-127	Low	
	DNA Methylation	DNMT-1/DNMT-3b	miR-34b, miR-34c	High	18519671
	H3K4me3	-	miR-34b, miR-34c	Low	

DNA Methylation	DNMTs	miR-9-1, miR-129-2, miR-137	High	19521961
H3ac	-	miR-9-1, miR-129-2, miR-137	High	
DNA Methylation	DNMTs	miR-137	High	20682795
DNA Methylation	DNMTs	miR-15b, miR-96, miR-99a, miR-106a, miR-129-1, miR-135b, miR-146a, miR-148a, miR-181c, miR-219-1, miR-338	Low	21610744
		miR-34b, miR-34c	High	
DNA Methylation	-	miR-34b	Low	21636702
DNA Methylation	DNMTs	miR-345	High	21665895
DNA Methylation	-	miR-140, miR-142, miR-220b, miR-338, miR-564, miR-663a, miR-939, miR-1234, miR-1180, miR-1203, miR-1224, miR-1225, miR-1226, miR-1227, miR-1228, miR-1229, miR-126, miR-1301, miR-149, miR-200b, miR-203a, miR-339, miR-33b, miR-566, miR-572, miR-596, miR-637, miR-661, miR-671, miR-886, miR-935, miR-937, miR-943, let-7a-3, miR-1306, miR-133a-2, miR-10a, miR-124-1, miR-124-3, miR-127, miR-129-2, miR-137, miR-152, miR-193a, miR-34b, miR-34c, miR-375, miR-9-1, miR-9-3, miR-410, miR-431, miR-433, miR-543, miR-675	Low	21698188
DNA Methylation	DNMTs	miR-1237, miR-1247, miR-1826, miR-219-2, miR-24-1, miR-27b, miR-602, miR-663b, miR-941-1, miR-941-3	High	
DNA Methylation	DNMTs	miR-136, miR-142, miR-146a, miR-146b, miR-190a, miR-195, miR-205, miR-211, miR-218-2, miR-337, miR-371a, miR-372, miR-373, miR-431, miR-432, miR-433, miR-486, miR-488, miR-497, miR-885, miR-9-2, miR-944	Low	
		miR-10b, miR-1-1, miR-124-1, miR-124-2, miR-124-3, miR-127, miR-129-1, miR-129-2, miR-133a-2, miR-137, miR-152, miR-153-2, miR-155, miR-193a, miR-196a-1, miR-338, miR-34b, miR-34c, miR-548b, miR-596, miR-598, miR-708, miR-873, miR-876, miR-9-3	High	21734013
H3K4me3/H3K79me2	-	miR-200b, miR-200a, miR-429, miR-17, miR-18a, miR-19a, miR-20a, miR-19b-1, miR-92a-1, miR-124-1, miR-9-3	Low	
Histone Acetylation	HDACs	miR-17, miR-18a, miR-19a, miR-20a, miR-19b-3p, miR-92a-3p, miR-106a, miR-18b, miR-20b	Low	22308110
DNA Methylation	DNMTs	miR-1-1, miR-133a-2	High	22766685
		miR-149	High	
DNA Methylation	DNMTs	let-7e, miR-1184, miR-1201, miR-1205, miR-1228-5p, miR-1247, miR-1249, miR-125a-5p, miR-126-5p, miR-1260a, miR-1274a, miR-1274b, miR-1280, miR-1307, miR-130b-5p, miR-132, miR-148a, miR-149, miR-181a-2, miR-181c, miR-183-3p, miR-193a-5p, miR-21-3p, miR-210, miR-222-5p, miR-26b-3p, miR-27a-5p, miR-31-3p, miR-324-3p, miR-326, miR-331-3p, miR-34a, miR-361-3p, miR-362-3p, miR-365a-3p, miR-376a-1, miR-424, miR-425-3p, miR-449a, miR-454-5p, miR-486-5p, miR-500a, miR-501-3p, miR-502-3p, miR-576-5p, miR-625, miR-628-5p, miR-642a, miR-664a-5p, miR-720, miR-877, miR-92b, miR-93-3p, miR-95, miR-96	Low	22821729

Endometrial	DNA Methylation	DNMTs	miR-124-3p, miR-34b, miR-34c	High	22870149
	DNA Methylation	-	miR-34b, miR-34c, miR-9-1	Low	22989523
	DNA Methylation	DNMTs	miR-129-2	High	19887623
	DNA Methylation	-	miR-9-1, miR-9-2, miR-9-3, miR-149	Low	21868754
	DNA Methylation	DNMT-1	miR-152	High	
	DNA Methylation	-	miR-34b	High	22052540
Epithelial ovarian	DNA Methylation	DNMTs	miR-127, miR-337, miR-432, miR-495, miR-376c, miR-376a-1, miR-376b, miR-377, miR-410, miR-520e, miR-519e, miR-519d, miR-516a-1, miR-518a-3p, miR-372, miR-448, miR-507, miR-424, miR-514a-3p, miR-15a, miR-184, miR-34a, miR-34b, miR-95, miR-182	Low	18458333
	Histone Acetylation	HDACs	miR-127, miR-337, miR-432, miR-495, miR-376c, miR-376a-1, miR-376b, miR-377, miR-410, miR-520e, miR-519e, miR-519d, miR-516a-1, miR-518a-3p, miR-372, miR-448, miR-507, miR-424, miR-514a-3p, miR-15a, miR-184, miR-34a, miR-34b, miR-95, miR-182		
Gastric	DNA Methylation	-	miR-124-1, miR-124-2, miR-124-3	Low	19165869
	DNA Methylation	DNMTs	miR-512-5p, miR-517b, miR-526b, miR-518b, miR-515-5p	Low	19503096
	Histone Acetylation	HDACs	miR-517b, miR-526b, miR-518b, miR-515-5p	Low	
	H3ac/H3K4me	HDACs	miR-512-5p	High	20080834
	DNA Methylation	DNMTs	miR-211, miR-432, miR-495, miR-9-1, miR-9-2, miR-9-3		
	DNA Methylation	DNMTs	miR-181c	High	20331975
	DNA Methylation	DNMTs	miR-129-2	High	20662076
	DNA Methylation	DNMTs	miR-196b	High	
	DNA Methylation	DNMTs	miR-142-5p, miR-193a, miR-195, miR-196a-5p, miR-34b, miR-34c, miR-375, miR-498, miR-512-3p, miR-512-5p, miR-515-3p, miR-515-5p, miR-516b-3p, miR-516b-5p, miR-517a, miR-517b, miR-517c, miR-518a-3p, miR-518b, miR-518c, miR-518d, miR-518e, miR-518f, miR-519b, miR-519c, miR-519d, miR-519e, miR-520a, miR-520b, miR-520c, miR-520d, miR-520e, miR-520f, miR-520g, miR-520h, miR-521, miR-522, miR-523, miR-524, miR-525, miR-526a, miR-526b, miR-519c-5p, miR-527, miR-602, miR-9-5p, miR-518c-5p, miR-518f-5p, miR-519e-5p, miR-520a-5p, miR-520d-5p, miR-524-5p, miR-526b-3p, miR-517-5p	Low	20924086
	DNA Methylation	DNMTs	miR-34b, miR-34c	High	
DNA Methylation	DNMTs	miR-212	High	21053104	
DNA Methylation	-	miR-137	Low	21221794	
DNA Methylation	-	miR-124-3p	Low	21365509	
DNA Methylation	-	miR-10a, miR-34b, miR-34c, miR-196b	Low	21562367	
DNA Methylation	DNMTs	miR-10b	High		
DNA Methylation	-	miR-34b, miR-34c, miR-124-3p	Low	21914401	
DNA Methylation	DNMTs	miR-139	High	21925125	
H3K9ac	HER2				
DNA Methylation	DNMTs	miR-9-1, miR-9-2, miR-9-3	High	21931274	

Glioblastoma	DNA Methylation	DNMTs	miR-25-5p, miR-127-3p, miR-193a-5p, miR-378a, miR-409, miR-570, miR-767	Low	21960261
			miR-34b, miR-129-2-3p	High	
	Histone Acetylation	HDACs	miR-34b, miR-129-2-3p, miR-25-5p, miR-127-3p, miR-193a-5p, miR-378a, miR-409, miR-570, miR-767	Low	
	DNA Methylation	DNMT-1	miR-148a	High	22167392
	DNA Methylation	DNMTs	miR-155	Low	22426647
	DNA Methylation	DNMTs	miR-9-5p	Low	22906743
	H3ac/H3K4me	HDACs			
	DNA Methylation	DNMTs	miR-378a	High	23333942
	DNA Methylation	DNMTs	miR-137	Low	18577219
	DNA Methylation	DNMTs	miR-211	High	23183822
Hepatocellular carcinoma	DNA Methylation	DNMTs	miR-7-5p, miR-27b, miR-196a-5p, miR-424, miR-496, miR-197, miR-101-3p	Low	18593903
	DNA Methylation	DNMT-1	miR-1	High	
	Histone Acetylation	HDACs	miR-1, miR-7-5p, miR-27b, miR-196a-5p, miR-424, miR-496, miR-197, miR-101-3p	Low	
	DNA Methylation	-	miR-409, miR-564, miR-410, miR-219-2, miR-24-1, miR-126, miR-369, miR-412, miR-339	Low	19843643
	DNA Methylation	DNMTs	miR-124-3p, miR-203a, miR-375	High	
	DNA Methylation	DNMTs	miR-125b-5p	High	21703189
	H3ac	HDAC4/SP1	miR-200a	High	21837748
	DNA Methylation	DNMTs	miR-191	High	21969817
	DNA Methylation	DNMTs	miR-520e	High	22105365
	DNA Methylation	RNAPII	miR-122	Low	22140464
	H3K9ac/H3K14ac	HDAC1/HDAC3/EP300	miR-224, miR-452	High	22459148
	DNA Methylation	-	miR-10a, miR-10b, miR-196b	Low	22976466
	DNA Methylation	DNMTs	miR-125b-5p miR-125a-5p	High	23079745
	DNA Methylation	DNMTs	miR-512-3p, miR-517a, miR-518c, miR-519d, miR-520c-3p, miR-521, miR-517c	Low	3142219
	Histone Acetylation	HDACs			
	DNA Methylation	-	let-7b, miR-122, miR-149, miR-200b	Low	23229728
	DNA Methylation	DNMTs	miR-335, miR-101-2, miR-146b, miR-497	High	23229728
DNA Methylation	DNMT-1	miR-9-2, miR-9-3, miR-124-1, miR-124-2, miR-124-3, miR-129-2, miR-596, miR-1247	High	23364900	
H3K27me3	-	miRNA biogenesis genes	High	23398123	
DNA Methylation	-	miR-124-3p, miR-203a	Low	23487440	
Resistance of Hepatocellular carcinoma	DNA Methylation	DNMTs	miR-193a-3p	High	22117060

Liver cancer metastasis	H3K27me3	EZH2	miR-139-5p, miR-125b-5p, miR-200b, let-7c, miR-101-3p	Low	22370893
Lung cancer	DNA Methylation	DNMT-1/DNMT-3B	let-7a-3	High	17308078
	H3K27me3/H3K9me2/H3K9ac	EZH2/G9a/HDAC	miR-212	High	22110741
	DNA Methylation	-	miR-9-1, miR-34b, miR-34c, miR-9-3, miR-193a	Low	23156677
	DNA Methylation	-	miR-135b	Low	23695671
Non-small cell lung carcinoma	DNA Methylation	-	miR-34a	Low	19736307
	DNA Methylation	DNMTs	miR-200c	High	20696752
	DNA Methylation	-	miR-34b, miR-34c	Low	21383543
	DNA Methylation	DNMTs	miR-375, miR-196b, miR-127, miR-203a, miR-148a, miR-181c, miR-30e, miR-449a, miR-340, miR-486, miR-483, miR-150	Low	21702040
	DNA Methylation	-	miR-34b, miR-126	High	
	DNA Methylation	-	miR-152, miR-9-3, miR-124-1, miR-124-2, miR-124-3	Low	21917081
	DNA Methylation	DNMTs	miR-7-5p, miR-9-5p, miR-22, miR-29c, miR-30c-2, miR-33b, miR-34a, miR-92b, miR-99b, miR-125a, miR-127, miR-132, miR-140, miR-183, miR-193a, miR-194-1, miR-200c, miR-210, miR-375, miR-382, miR-423, miR-424, miR-432, miR-454, miR-455, miR-486, miR-487b, miR-494, miR-495, miR-720, miR-1180, miR-1203, miR-1323	Low	22282464
	DNA Methylation	DNMTs	miR-196a-5p	High	22876840
	DNA Methylation	DNMTs	miR-34a, miR-34b, miR-34c	High	22047961
	Small cell lung cancer	DNA Methylation	DNMTs	miR-34b, miR-489, miR-132, miR-142-3p, miR-200a, miR-145, miR-452, miR-21, miR-34c, miR-496, let-7e, miR-654, miR-519b	Low
DNA Methylation		DNMTs	miR-375	High	21723283
Histone Acetylation		HDACs	miR-375, miR-34b, miR-489, miR-132, miR-142-3p, miR-200a, miR-145, miR-452, miR-21, miR-34c, miR-496, let-7e, miR-654, miR-519b	Low	
DNA Methylation		DNMTs	miR-34b, miR-489, miR-375, miR-132, miR-142-3p, miR-200a, miR-145, miR-452, miR-21, miR-34c, miR-496, let-7e, miR-654, miR-519b	Low	21949788
DNA Methylation		DNMTs	miR-34b	High	
DNA Methylation		DNMTs	miR-376a-1	Low	
H3ac		HDACs	miR-376c	Low	22747855
H3ac		-	miR-376a-1	High	
DNA Methylation		DNMTs	miR-212, miR-142-3p, miR-29b-1, miR-29b-2, miR-132-5p, miR-21, miR-222, miR-132, miR-21-3p, miR-100, miR-29b-1-5p, miR-29c, miR-30b-3p, miR-29a-5p, miR-155, miR-193a-5p, miR-194-1, miR-194-2, miR-26a-1, miR-26a-2, miR-331-3p, miR-363, miR-425, miR-215, miR-22, miR-30b, miR-140-3p, miR-190a, miR-224, miR-30c-1, miR-30c-2, miR-320a, miR-424, miR-99b	Low	22752337
DNA Methylation		-	miR-34a, miR-602	Low	
DNA Methylation	DNMTs	miR-182, miR-886-3p, miR-886-5p, miR-371a-5p, miR-146b-5p, miR-335, miR-424-3p, miR-412, miR-503	High		

	Histone Acetylation	HDACs	miR-182, miR-100, miR-132-5p, miR-140-3p, miR-142-3p, miR-146b-5p, miR-155, miR-190a, miR-193a-5p, miR-194-1, miR-194-2, miR-21-3p, miR-212, miR-215, miR-22, miR-222, miR-224, miR-26a-1, miR-26a-2, miR-29a-5p, miR-29b-1, miR-29b-1-5p, miR-29b-2, miR-29c, miR-30b-3p, miR-30c-1, miR-30c-2, miR-320a, miR-331-3p, miR-335, miR-363, miR-371a-5p, miR-412, miR-424-3p, miR-425, miR-485-3p, miR-503, miR-886-3p, miR-886-5p, miR-99b	Low	
	DNA Methylation	EZH2	miR-31	High	22948084
	DNA Methylation	DNMTs	miR-18b	High	23365201
Multiple myeloma	DNA Methylation	DNMTs	miR-203a	High	21707582
	DNA Methylation	DNMTs	miR-34b, miR-34c	High	21976676
Nasopharyngeal carcinoma	DNA Methylation	DNMTs	let-7a-1	Low	20440510
	DNA Methylation	-	miR-200b	Low	20574809
	DNA Methylation	-	miR-330, miR-27b, miR-23b, miR-24-1, miR-29b-2, miR-542, miR-381, miR-337, miR-154, miR-497, miR-191, miR-219-1, miR-196a-2, let-7i, miR-326, let-7f-1, let-7a-1, let-7a-3, miR-509-1, miR-509-3, miR-151a, miR-15b, miR-214, miR-10b, miR-639, miR-548a-3, miR-645, miR-181c, miR-218-1, miR-650, miR-218-2, miR-520d, miR-153-2, miR-153-1, miR-375, miR-7-3, miR-148a, miR-597	Low	22797059
	DNA Methylation	DNMTs	miR-140, miR-455, miR-29c, miR-126, miR-195, miR-10a, miR-425, miR-142, let-7e, miR-129-2, miR-26b, miR-101-1, miR-7a, miR-24-2, miR-203a, miR-1-1, miR-365b, miR-9-1, miR-641, miR-335, miR-184, miR-9-3, miR-296, miR-135a-1, miR-372, miR-149, miR-26a-2, miR-139, miR-340	High	
	DNA Methylation	-	miR-375	Low	21533613
Oesophageal cancer	DNA Methylation	DNMTs	miR-34a, miR-34b, miR-34c, miR-129-2	High	21547903
	DNA Methylation	DNMTs	miR-10a	Low	22966337
	DNA Methylation	DNMTs	miR-132, miR-34b, miR-137, miR-193a, miR-203a	High	18381414
	DNA Methylation	-	miR-375, miR-383, miR-483, miR-489, miR-500a	Low	21795477
Oral cancer	DNA Methylation	DNMTs	miR-218-5p, miR-585	High	
	DNA Methylation	DNMTs	miR-127, miR-137, miR-200a, miR-200b, miR-429, miR-200c, miR-141, miR-205	High	22132151
	DNA Methylation	-	miR-596		23233740
Osteosarcoma	H3ac	HDACs	miR-127, miR-411, miR-431, miR-432	High	22957032
	DNA Methylation	DNMTs	let-7a-3	High	17974952
Ovarian	DNA Methylation	-	miR-34a	Low	20145172
	DNA Methylation	DNMT-1	miR-199a-1, miR-125b-1	High	23146892
Multidrug resistance of ovarian cancer	DNA Methylation	DNMTs	miR-130b	High	22005523
	DNA Methylation	DNMTs	miR-29a, miR-29b-3p, miR-103a-3p, miR-320a	Low	
Pancreatic cancer	DNA Methylation	DNMTs	miR-107	High	19407485



	Histone Acetylation	HDACs	miR-107, miR-29a, miR-29b-3p, miR-103a-3p, miR-320a	Low	
	DNA Methylation	-	miR-148a	Low	20431052
	DNA Methylation	DNMTs	miR-200a, miR-200b	High	20551052
	DNA Methylation	DNMTs	miR-132	High	21665894
	DNA Methylation	DNMTs	miR-34a	Low	21909380
	Histone Acetylation	HDACs			
	DNA Methylation	DNMTs	miR-124-1, miR-124-2, miR-124-3	High	23334332
	DNA Methylation	DNMTs	miR-126	High	19116145
	H3ac	HDAC2			
	DNA Methylation	DNMTs	miR-9-1, miR-9-2, miR-9-3, miR-27a, miR-32, miR-33a, miR-34a, miR-132, miR-149, miR-183, miR-188, miR-192, miR-193b, miR-194-1, miR-194-2, miR-203a, miR-215, miR-218-1, miR-218-2, miR-370, miR-375, miR-376a-1, miR-376a-2, miR-449a, miR-487b, miR-512-1, miR-512-2, miR-513a-1, miR-513a-2, miR-515-1, miR-515-2, miR-517a, miR-517b, miR-517c, miR-518b, miR-520f, miR-526a-1, miR-526a-2, miR-572, miR-601, miR-629, miR-630, miR-638, miR-663a, miR-765	Low	
			miR-193b	High	20073067
	Histone Acetylation	HDACs	miR-193b, miR-9-1, miR-9-2, miR-9-3, miR-27a, miR-32, miR-33a, miR-34a, miR-132, miR-149, miR-183, miR-188, miR-192, miR-193b, miR-194-1, miR-194-2, miR-203a, miR-215, miR-218-1, miR-218-2, miR-370, miR-375, miR-376a-1, miR-376a-2, miR-449a, miR-487b, miR-512-1, miR-512-2, miR-513a-1, miR-513a-2, miR-515-1, miR-515-2, miR-517a, miR-517b, miR-517c, miR-518b, miR-520f, miR-526a-1, miR-526a-2, miR-572, miR-601, miR-629, miR-630, miR-638, miR-663a, miR-765	Low	
Prostate cancer	DNA Methylation	-	miR-145	Low	20588276
	DNA Methylation	DNMTs	miR-145	High	21349819
	DNA Methylation	DNMTs	miR-205	High	21368878
	DNA Methylation	DNMTs	let-7g-3p, let-7i-3p, miR-10a-3p, miR-106b-3p, miR-132, miR-146b-5p, miR-148a, miR-15b-3p, miR-152, miR-17, miR-17-3p, miR-18a, miR-18b, miR-19a, miR-19a-5p, miR-19b-3p, miR-19b-1-5p, miR-181c, miR-193b, miR-193b-5p, miR-199b-5p, miR-212, miR-219-1-3p, miR-20a-3p, miR-20b-3p, miR-203a, miR-22, miR-25-5p, miR-330-5p, miR-363, miR-375, miR-449b, miR-497, miR-483-5p, miR-503, miR-542-5p, miR-548b-5p, miR-550a-3p, miR-564, miR-615-5p, miR-616, miR-627, miR-636, miR-641, miR-642a, miR-9-3p, miR-935, miR-937, miR-92a-1-5p, miR-941	Low	22310291
	DNA Methylation	DNMTs	miR-132, miR-127, miR-146b-3p, miR-18a-3p, miR-330-3p, miR-34b, miR-34c, miR-376a-1, miR-376c, miR-409-3p, miR-410, miR-411, miR-432, miR-432-3p, miR-485-3p, miR-487b, miR-450a-5p, miR-539, miR-542-3p, miR-589, miR-655	High	
	DNA Methylation	DNMTs	miR-29a, miR-1256	High	22805767

	DNA Methylation	DNMTs	miR-205	High	22869146
	DNA Methylation	DNMTs	miR-124-3p	High	23069658
	DNA Methylation	DNMTs	miR-23b	High	23074286
	H3ac	-	miR-21	Low	20890304
	H3K4me3	HDAC1/HDAC2/HDAC4	miR-34b	Low	23147995
	DNA Methylation	-	miR-31	Low	23233736
Testicular cancer	DNA Methylation	-	miR-199a-5p	Low	21383689



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