

Figure S1

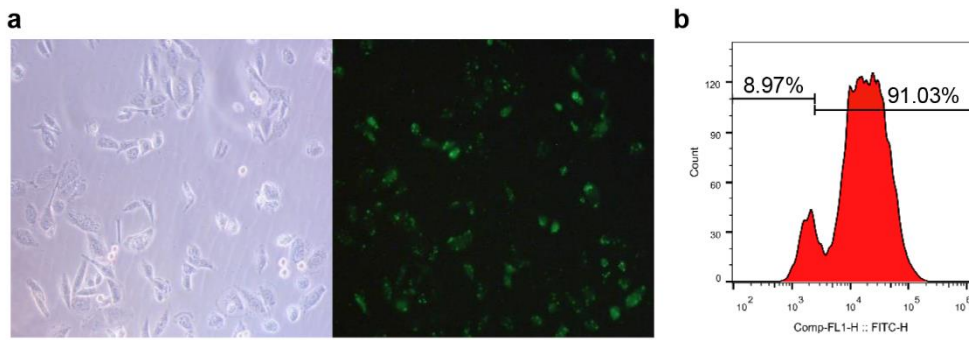


Figure legends

The efficiency of transfection of FAM labeled siRNA was measured by the fluorescence microscope (a) and flow cytometry (b).

Table S1 profiling of miRNAs

miRNA_ID	normal	Normal	Normal	Hypoxia	Hypoxia	Hypoxia	mean of normal	mean of hypoxia	log2(foldchange)	P-value
hsa-miR-218-5p	285.18	562.42	423.08	9243.52	984.02	1994.34	423.56	4073.96	3.2658	0.000349
hsa-miR-9-5p	106.94	189.27	119.87	203.9	1389.79	6222.33	138.6933	2605.34	4.2315	0.000383
hsa-miR-9-3p	0	16.22	14.1	135.93	86.23	452.05	10.1067	224.7367	4.4749	0.000412
hsa-miR-129-5p	71.3	54.08	70.52	543.74	172.46	877.5	65.3	531.2333	3.0242	0.000444
hsa-miR-219a-2-3p	0	0	0	0	65.94	239.32	0	101.7533	13.3128	0.000745
hsa-miR-124-3p	0	0	0	0	55.79	265.91	0	107.2333	13.3885	0.000833
hsa-miR-127-3p	71.3	27.04	77.56	67.97	268.83	1887.97	58.6333	741.59	3.6608	0.001451
hsa-miR-148a-3p	18216.17	9393.4	16415.29	50499.56	11245.13	123409.5	14674.9533	61718.07	2.0723	0.01179
hsa-miR-136-3p	0	0	0	0	15.22	93.07	0	36.0967	11.8177	0.021272
hsa-miR-128-3p	3493.51	1389.81	1374.99	5437.37	2612.2	7525.3	2086.1033	5191.6233	1.3154	0.028191
hsa-miR-125b-5p	285.18	248.76	56.4	407.8	344.92	1422.63	196.78	725.1167	1.8816	0.029827
hsa-miR-330-5p	0	16.22	21.15	271.87	30.43	53.18	12.4567	118.4933	3.2498	0.034627
hsa-miR-135a-5p	0	0	0	0	10.14	79.78	0	29.9733	11.5495	0.041089
hsa-miR-411-5p	0	10.82	7.05	0	25.36	93.07	5.9567	39.4767	2.7284	0.043248
hsa-miR-138-5p	35.65	81.11	98.71	203.9	172.46	252.62	71.8233	209.66	1.5455	0.044702
hsa-miR-129-2-3p	0	0	7.05	0	5.07	79.77	2.35	28.28	3.589	0.048433
hsa-miR-1304-5p	0	0	7.05	67.97	10.14	26.59	2.35	34.9	3.8925	0.051877
hsa-miR-6087	35.65	16.22	112.82	0	15.22	0	54.8967	5.0733	-3.4357	0.055016
hsa-miR-323a-3p	35.65	0	7.05	0	15.22	239.32	14.2333	84.8467	2.5756	0.061511
hsa-miR-4508	178.24	21.63	267.95	135.93	25.36	0	155.94	53.7633	-1.5363	0.062349
hsa-miR-153-3p	0	0	0	0	10.14	53.18	0	21.1067	11.0435	0.068725
hsa-miR-383-5p	0	0	0	0	10.14	53.18	0	21.1067	11.0435	0.068737
hsa-miR-4521	0	0	0	271.87	0	0	0	90.6233	13.1457	0.071685
hsa-miR-34a-5p	0	10.82	0	67.97	5.07	66.48	3.6067	46.5067	3.6887	0.075351
hsa-miR-151a-5p	213.89	86.53	119.87	135.93	40.58	26.59	140.0967	67.7	-1.0492	0.083503
hsa-miR-505-3p	499.07	513.74	627.56	67.97	243.47	292.5	546.79	201.3133	-1.4415	0.087503
hsa-let-7d-3p	2174.53	968	1191.66	883.57	847.06	571.71	1444.73	767.4467	-0.9127	0.089463
hsa-miR-410-3p	0	0	7.05	0	0	66.48	2.35	22.16	3.2372	0.091042
hsa-miR-125b-2-3p	0	5.41	0	0	10.14	39.89	1.8033	16.6767	3.2091	0.09878
hsa-miR-338-5p	0	0	7.05	0	10.14	39.89	2.35	16.6767	2.8271	0.098799
hsa-miR-132-5p	35.65	21.63	28.2	67.97	25.36	159.55	28.4933	84.2933	1.5648	0.105679
hsa-miR-30a-3p	15399.97	7446.58	14370.43	10534.9	7892.39	4507.2	12405.66	7644.83	-0.6984	0.109165
hsa-miR-379-5p	35.65	37.85	28.2	0	50.72	252.62	33.9	101.1133	1.5766	0.109974
hsa-miR-4787-5p	0	0	49.36	0	0	0	16.4533	0	-10.6842	0.120841
hsa-miR-3913-5p	0	5.41	7.05	135.93	10.14	26.59	4.1533	57.5533	3.7926	0.12121
hsa-miR-382-3p	0	5.41	7.05	0	10.14	79.77	4.1533	29.97	2.8512	0.122749
hsa-miR-199a-5p	106.94	5.41	0	0	0	0	37.45	0	-11.8708	0.122939
hsa-miR-369-5p	0	0	0	0	0	53.18	0	17.7267	10.7917	0.126514
hsa-miR-136-5p	0	0	0	0	0	53.18	0	17.7267	10.7917	0.12663
hsa-miR-338-3p	0	0	0	0	0	53.18	0	17.7267	10.7917	0.127013
hsa-miR-151b	285.19	118.98	126.92	271.86	40.58	26.59	177.03	113.01	-0.6475	0.129215
hsa-miR-30e-5p	249.54	275.8	416.02	475.77	573.16	704.67	313.7867	584.5333	0.8975	0.140127
hsa-miR-200b-5p	285.18	86.53	112.82	135.93	81.16	13.3	161.51	76.7967	-1.0725	0.161859
hsa-miR-3195	0	10.82	35.26	0	0	0	15.36	0	-10.585	0.162935
hsa-miR-485-5p	0	0	0	67.97	0	26.59	0	31.52	11.6221	0.166526
hsa-miR-99b-5p	9268.5	6132.48	6614.06	8971.66	4255.6	3563.21	7338.3467	5596.8233	-0.3908	0.170997
hsa-miR-150-5p	0	0	7.05	0	5.07	39.89	2.35	14.9867	2.673	0.172955
hsa-miR-200b-3p	10409.24	5451.09	7439.06	6932.64	4869.34	4108.33	7766.4633	5303.4367	-0.5503	0.17869
hsa-let-7b-5p	22993.01	12124.36	14962.73	22633.05	9246.67	6767.45	16693.3667	12882.39	-0.3739	0.180726
hsa-miR-519c-5p	0	32.46	0	0	0	0	10.82	0	-10.0795	0.180974
hsa-miR-523-5p	0	32.46	0	0	0	0	10.82	0	-10.0795	0.18132
hsa-miR-519a-5p	0	32.46	0	0	0	0	10.82	0	-10.0795	0.181513
hsa-miR-518e-5p	0	32.46	0	0	0	0	10.82	0	-10.0795	0.181802
hsa-miR-522-5p	0	32.46	0	0	0	0	10.82	0	-10.0795	0.181999
hsa-miR-519b-5p	0	32.46	0	0	0	0	10.82	0	-10.0795	0.182375
hsa-miR-23b-3p	3208.33	1276.25	1403.2	1631.21	963.72	1103.53	1962.5933	1232.82	-0.6708	0.18518
hsa-miR-708-3p	71.3	43.26	56.41	543.74	50.72	53.18	56.99	215.88	1.9214	0.187163
hsa-miR-429	1532.87	908.52	1198.71	1019.51	862.28	518.53	1213.3667	800.1067	-0.6008	0.188943
hsa-miR-1285-5p	0	5.41	7.05	135.93	5.07	13.3	4.1533	51.4333	3.6304	0.192239
hsa-miR-4454	0	0	0	135.93	5.07	0	0	47	12.1984	0.193685
hsa-miR-487b-3p	0	0	0	0	0	39.89	0	13.2967	10.3769	0.19388
hsa-miR-329-5p	0	0	0	0	0	39.89	0	13.2967	10.3769	0.194273
hsa-miR-1246	2673.61	1638.57	3208.31	4417.86	1988.31	6594.6	2506.83	4333.59	0.7897	0.204268
hsa-miR-7-1-3p	0	27.04	7.05	0	55.79	39.89	11.3633	31.8933	1.4889	0.206342
hsa-miR-7974	0	0	0	135.93	0	0	0	45.31	12.1456	0.217118
hsa-let-7a-5p	18572.65	17472.71	18185.15	18079.24	12731.29	9320.2	18076.8367	13376.91	-0.4344	0.220885
hsa-miR-4473	71.3	21.63	35.26	0	20.29	13.3	42.73	11.1967	-1.9322	0.225008
hsa-miR-143-3p	2317.13	1000.45	1177.56	3738.19	1607.9	1688.54	1498.38	2344.8767	0.6461	0.230157
hsa-let-7f-1-3p	178.24	140.6	126.92	135.93	101.44	26.59	148.5867	87.9867	-0.7559	0.237412
hsa-miR-3177-3p	71.3	10.82	49.36	0	15.22	13.3	43.8267	9.5067	-2.2048	0.237796
hsa-miR-139-5p	106.94	43.26	63.46	135.93	40.58	212.73	71.22	129.7467	0.8653	0.257058
hsa-miR-193b-5p	35.65	37.85	21.15	407.8	40.58	0	31.55	149.46	2.244	0.269275
hsa-miR-616-3p	35.65	16.22	14.1	0	5.07	0	21.99	1.69	-3.7018	0.269416
hsa-miR-181a-2-3p	285.18	394.77	331.41	407.8	248.54	119.66	337.12	258.6667	-0.3822	0.27014
hsa-miR-183-5p	11300.44	4504.72	8588.41	8699.79	4793.26	4573.68	8131.19	6022.2433	-0.4332	0.272136
hsa-miR-7641	106.94	5.41	169.23	67.97	10.14	39.89	93.86	39.3333	-1.2548	0.273891
hsa-miR-17-5p	570.37	654.35	923.71	2514.78	796.34	771.14	716.1433	1360.7533	0.9261	0.276148

hsa-miR-2116-3p	35.65	5.41	35.26	0	0	13.3	25.44	4.4333	-2.5206	0.279588
hsa-miR-148a-5p	0	10.82	0	67.97	25.36	0	3.6067	31.11	3.1086	0.282383
hsa-miR-181b-2-3p	35.65	10.82	7.05	0	0	0	17.84	0	-10.8009	0.283822
hsa-miR-4762-3p	0	10.82	21.15	0	0	0	10.6567	0	-10.0575	0.284993
hsa-miR-641	71.3	16.22	56.41	0	15.22	26.59	47.9767	13.9367	-1.7834	0.28672
hsa-miR-1306-3p	0	0	14.1	0	15.22	39.89	4.7	18.37	1.9666	0.287482
hsa-miR-301a-5p	71.3	16.22	0	0	5.07	0	29.1733	1.69	-4.1096	0.287648
hsa-miR-139-3p	0	5.41	0	67.97	10.14	0	1.8033	26.0367	3.8518	0.288461
hsa-miR-412-5p	0	0	0	0	10.14	26.59	0	12.2433	10.2578	0.288867
hsa-miR-574-3p	1283.33	638.12	373.72	1087.47	461.57	79.77	765.0567	542.9367	-0.4948	0.289089
hsa-miR-188-5p	0	0	0	67.97	10.14	0	0	26.0367	11.3463	0.291139
hsa-miR-329-3p	0	0	0	67.97	10.14	0	0	26.0367	11.3463	0.291391
hsa-miR-424-3p	855.55	319.06	211.54	611.7	258.68	93.07	462.05	321.15	-0.5248	0.291534
hsa-miR-3170	0	0	0	67.97	10.14	0	0	26.0367	11.3463	0.291629
hsa-miR-128-1-5p	0	0	0	67.97	0	13.3	0	27.09	11.4035	0.291629
hsa-miR-148b-5p	0	0	14.1	0	10.14	39.89	4.7	16.6767	1.8271	0.29323
hsa-miR-1298-5p	0	0	0	0	5.07	26.59	0	10.5533	10.0435	0.29463
hsa-miR-384	0	0	0	0	5.07	26.59	0	10.5533	10.0435	0.294929
hsa-miR-3146	0	0	0	0	5.07	26.59	0	10.5533	10.0435	0.295014
hsa-miR-488-3p	0	0	0	0	5.07	26.59	0	10.5533	10.0435	0.295123
hsa-miR-494-3p	0	0	0	0	5.07	26.59	0	10.5533	10.0435	0.295312
hsa-miR-101-3p	748.61	908.51	1043.58	1223.4	1491.24	1435.92	900.2333	1383.52	0.62	0.296305
hsa-miR-23a-3p	6844.43	4418.2	4533.95	5641.27	4103.43	2433.09	5265.5267	4059.2633	-0.3754	0.297606
hsa-miR-30c-5p	9375.45	4899.5	7481.37	5029.56	3530.28	5717.09	7252.1067	4758.9767	-0.6077	0.30047
hsa-miR-452-5p	0	54.08	21.15	135.93	76.08	26.59	25.0767	79.5333	1.6652	0.303726
hsa-miR-4516	35.65	0	84.61	67.97	5.07	0	40.0867	24.3467	-0.7194	0.317103
hsa-miR-137	0	10.82	0	0	5.07	53.18	3.6067	19.4167	2.4285	0.322324
hsa-miR-378f	71.3	5.41	42.31	67.97	55.79	53.18	39.6733	58.98	0.5721	0.327383
hsa-miR-548ay-3p	71.3	0	0	0	0	0	23.7667	0	-11.2147	0.328453
hsa-miR-1294	71.3	16.22	35.26	0	30.43	0	40.9267	10.1433	-2.0125	0.3295
hsa-miR-98-5p	1390.28	1973.86	1713.45	815.61	1562.25	864.21	1692.53	1080.69	-0.6472	0.333416
hsa-miR-629-5p	356.48	221.72	366.66	611.7	177.53	731.26	314.9533	506.83	0.6864	0.336949
hsa-miR-1292-5p	178.24	37.85	56.41	135.93	30.43	13.3	90.8333	59.8867	-0.601	0.33764
hsa-miR-140-5p	178.24	135.2	169.23	67.97	142.02	53.18	160.89	87.7233	-0.875	0.338012
hsa-miR-548ap-5p	71.3	5.41	42.31	67.97	10.14	0	39.6733	26.0367	-0.6076	0.339064
hsa-miR-548j-5p	71.3	5.41	42.31	67.97	10.14	0	39.6733	26.0367	-0.6076	0.339065
hsa-miR-3656	35.65	5.41	84.61	67.97	5.07	13.3	41.89	28.78	-0.5415	0.342845
hsa-miR-19a-3p	35.65	54.08	49.36	67.97	50.72	132.96	46.3633	83.8833	0.8554	0.345106
hsa-miR-126-3p	1497.22	605.68	401.92	1835.11	618.81	1302.97	834.94	1252.2967	0.5848	0.347883
hsa-miR-1255b-5p	35.65	21.63	21.15	0	10.14	13.3	26.1433	7.8133	-1.7424	0.351663
hsa-miR-4492	0	10.82	28.2	135.93	0	39.89	13.0067	58.6067	2.1718	0.353563
hsa-miR-18a-5p	35.65	37.85	49.36	271.87	65.94	26.59	40.9533	121.4667	1.5685	0.355203
hsa-miR-500a-5p	0	64.9	56.4	271.86	50.72	53.18	40.4333	125.2533	1.6312	0.366238
hsa-miR-495-3p	35.65	16.22	0	0	15.22	66.48	17.29	27.2333	0.6554	0.369232
hsa-miR-433-3p	35.65	0	7.05	0	20.29	39.89	14.2333	20.06	0.4951	0.37348
hsa-miR-95-3p	0	16.22	49.36	0	10.14	13.3	21.86	7.8133	-1.4843	0.374512
hsa-miR-1307-5p	35.65	10.82	14.1	135.93	10.14	39.89	20.19	61.9867	1.6183	0.376925
hsa-miR-215-5p	0	59.49	63.46	0	40.58	13.3	40.9833	17.96	-1.1902	0.378934
hsa-miR-103a-3p	926.86	421.82	691.02	1767.14	512.29	824.32	679.9	1034.5833	0.6057	0.392768
hsa-miR-369-3p	35.65	5.41	7.05	0	10.14	79.77	16.0367	29.97	0.9021	0.394006
hsa-miR-942-5p	106.94	37.85	84.61	0	35.51	53.18	76.4667	29.5633	-1.371	0.397647
hsa-miR-425-3p	106.94	59.49	14.1	271.87	81.16	39.89	60.1767	130.9733	1.122	0.39902
hsa-miR-200c-3p	285.18	81.12	169.23	203.9	96.37	79.77	178.51	126.68	-0.4948	0.399067
hsa-miR-1307-3p	1604.16	394.77	683.97	1971.05	243.47	119.66	894.3	778.06	-0.2009	0.39923
hsa-miR-212-5p	0	5.41	21.15	0	10.14	53.18	8.8533	21.1067	1.2534	0.399684
hsa-miR-3615	0	37.85	42.31	67.97	65.94	39.89	26.72	57.9333	1.1165	0.400849
hsa-miR-877-5p	71.3	43.26	56.41	67.97	45.65	0	56.99	37.8733	-0.5895	0.403233
hsa-miR-99b-3p	1497.22	1032.9	1128.2	1563.24	994.16	531.82	1219.44	1029.74	-0.2439	0.406846
hsa-miR-92b-3p	1675.46	1324.92	1015.38	1427.31	1120.96	678.07	1338.5867	1075.4467	-0.3158	0.4147
hsa-miR-3613-3p	0	16.22	21.15	0	5.07	0	12.4567	1.69	-2.8818	0.424212
hsa-miR-133a-3p	35.65	5.41	21.15	0	0	13.3	20.7367	4.4333	-2.2257	0.424373
hsa-miR-342-5p	71.3	0	0	203.9	5.07	13.3	23.7667	74.09	1.6403	0.425897
hsa-miR-342-3p	463.43	383.96	846.15	407.8	273.9	505.23	564.5133	395.6433	-0.5128	0.426468
hsa-miR-590-3p	35.65	10.82	49.36	0	20.29	13.3	31.9433	11.1967	-1.5124	0.430009
hsa-miR-1284	71.3	5.41	7.05	0	5.07	0	27.92	1.69	-4.0462	0.436271
hsa-miR-339-5p	213.89	108.16	225.64	203.9	96.37	119.66	182.5633	139.9767	-0.3832	0.437115
hsa-miR-577	0	5.41	35.26	0	10.14	0	13.5567	3.38	-2.0039	0.43818
hsa-miR-339-3p	178.24	86.53	70.51	0	81.16	66.48	111.76	49.2133	-1.1833	0.441069
hsa-miR-30e-3p	1140.74	962.59	1346.79	815.61	1075.31	638.19	1150.04	843.0367	-0.448	0.44323
hsa-let-7a-3p	106.94	43.26	176.28	67.97	81.16	53.18	108.8267	67.4367	-0.6904	0.445052
hsa-miR-3960	35.65	5.41	155.13	135.93	0	13.3	65.3967	49.7433	-0.3947	0.4522
hsa-miR-378a-3p	7200.91	3217.66	6804.45	9787.26	4869.34	8150.19	5741.0067	7602.2633	0.4051	0.452947
hsa-let-7c-5p	1746.76	1130.24	1487.81	1155.44	1004.3	1130.12	1454.9367	1096.62	-0.4079	0.456041
hsa-miR-181a-3p	71.3	48.67	28.2	0	25.36	39.89	49.39	21.75	-1.1832	0.456106
hsa-miR-1260b	142.59	5.41	0	543.74	0	13.3	49.3333	185.68	1.9122	0.459005
hsa-miR-548a-3p	0	0	14.1	135.94	0	0	4.7	45.3133	3.2692	0.472104
hsa-miR-34c-5p	35.65	16.22	14.1	67.97	15.22	39.89	21.99	41.0267	0.8997	0.472194
hsa-miR-1303	35.65	48.67	70.51	271.87	55.79	53.18	51.61	126.9467	1.2985	0.472767
hsa-miR-1260a	106.94	5.41	0	475.77	0	0	37.45	158.59	2.0823	0.476701

hsa-miR-122-5p	3529.16	75.71	70.51	10398.97	40.58	292.5	1225.1267	3577.35	1.546	0.477824
hsa-miR-205-5p	1390.28	70.3	211.54	1087.47	60.87	106.36	557.3733	418.2333	-0.4143	0.488399
hsa-miR-193b-3p	926.85	724.65	620.51	883.57	710.11	305.8	757.3367	633.16	-0.2584	0.488555
hsa-miR-3613-5p	0	59.49	84.61	0	60.87	13.3	48.0333	24.7233	-0.9582	0.489005
hsa-miR-18a-3p	71.3	5.41	84.61	67.97	20.29	13.3	53.7733	33.8533	-0.6676	0.491045
hsa-miR-328-3p	285.18	91.93	126.92	67.97	101.44	425.46	168.01	198.29	0.2391	0.491594
hsa-miR-500a-3p	106.94	118.97	105.77	407.8	121.73	93.07	110.56	207.5333	0.9085	0.492417
hsa-miR-182-5p	35398.55	18429.89	28261.38	18147.22	17372.38	23626.23	27363.2733	19715.2767	-0.4729	0.492908
hsa-miR-582-3p	0	21.63	14.1	203.9	10.14	0	11.91	71.3467	2.5827	0.495878
hsa-miR-374b-5p	392.13	1519.6	1149.35	67.97	1055.02	651.48	1020.36	591.49	-0.7867	0.49628
hsa-miR-28-5p	392.13	200.09	253.84	407.8	187.67	132.96	282.02	242.81	-0.216	0.498926
hsa-miR-502-3p	71.3	16.22	56.41	203.9	25.36	66.48	47.9767	98.58	1.039	0.500218
hsa-miR-576-5p	0	81.12	77.56	67.97	76.08	119.66	52.8933	87.9033	0.7328	0.506367
hsa-miR-576-3p	213.89	194.68	211.54	271.87	213.03	332.39	206.7033	272.43	0.3983	0.506561
hsa-miR-4488	606.02	43.26	1142.3	1087.47	5.07	239.32	597.1933	443.9533	-0.4278	0.507995
hsa-miR-24-3p	20283.76	11724.18	15681.96	14816.82	15820.28	7578.48	15896.6333	12738.5267	-0.3195	0.509129
hsa-miR-548aq-3p	35.65	16.22	7.05	0	20.29	66.48	19.64	28.9233	0.5584	0.513012
hsa-miR-542-3p	0	5.41	42.31	0	86.23	0	15.9067	28.7433	0.8536	0.518681
hsa-miR-628-3p	35.65	10.82	28.2	135.93	30.43	13.3	24.89	59.8867	1.2667	0.519443
hsa-miR-192-5p	1318.98	524.56	1290.38	1291.37	618.81	717.96	1044.64	876.0467	-0.2539	0.520435
hsa-miR-616-5p	0	5.41	0	0	10.14	13.3	1.8033	7.8133	2.1153	0.523455
hsa-miR-548u	0	10.82	14.1	0	0	0	8.3067	0	-9.6981	0.523909
hsa-miR-618	0	10.82	14.1	0	0	0	8.3067	0	-9.6981	0.523983
hsa-let-7f-2-3p	0	16.22	7.05	0	15.22	39.89	7.7567	18.37	1.2438	0.523988
hsa-miR-7976	0	10.82	7.05	0	0	0	5.9567	0	-9.2184	0.52577
hsa-miR-32-5p	71.3	86.53	105.77	543.74	91.3	26.59	87.8667	220.5433	1.3277	0.525904
hsa-miR-222-5p	0	10.82	7.05	0	0	0	5.9567	0	-9.2184	0.525919
hsa-miR-2355-3p	0	5.41	14.1	0	0	0	6.5033	0	-9.345	0.525919
hsa-miR-548b-5p	0	5.41	14.1	0	0	0	6.5033	0	-9.345	0.525958
hsa-miR-3179	0	16.22	7.05	0	0	0	7.7567	0	-9.5993	0.52666
hsa-miR-539-5p	0	0	0	0	5.07	13.3	0	6.1233	9.2582	0.527347
hsa-miR-7156-5p	0	0	0	0	5.07	13.3	0	6.1233	9.2582	0.527421
hsa-miR-3065-3p	0	0	0	0	5.07	13.3	0	6.1233	9.2582	0.527661
hsa-miR-758-3p	0	0	0	0	5.07	13.3	0	6.1233	9.2582	0.527863
hsa-miR-378h	0	0	0	0	5.07	13.3	0	6.1233	9.2582	0.528088
hsa-miR-431-5p	0	0	0	0	5.07	13.3	0	6.1233	9.2582	0.528145
hsa-miR-6740-5p	35.65	0	7.05	0	0	0	14.2333	0	-10.4751	0.529171
hsa-miR-1910-5p	35.65	0	7.05	0	0	0	14.2333	0	-10.4751	0.529215
hsa-miR-4658	35.65	5.41	0	0	0	0	13.6867	0	-10.4186	0.529745
hsa-miR-4648	35.65	5.41	0	0	0	0	13.6867	0	-10.4186	0.529825
hsa-miR-943	35.65	0	7.05	0	0	0	14.2333	0	-10.4751	0.530019
hsa-miR-610	0	0	0	0	15.22	0	0	5.0733	8.9868	0.530151
hsa-miR-127-5p	0	0	0	0	15.22	0	0	5.0733	8.9868	0.530381
hsa-miR-548f-3p	35.65	5.41	0	0	10.14	39.89	13.6867	16.6767	0.2851	0.530766
hsa-miR-181d-5p	0	75.71	63.46	0	76.08	132.96	46.39	69.68	0.5869	0.533201
hsa-miR-6131	0	0	0	67.97	5.07	0	0	24.3467	11.2495	0.534029
hsa-miR-432-5p	0	0	0	67.97	5.07	0	0	24.3467	11.2495	0.534184
hsa-miR-4286	0	10.82	7.05	135.93	10.14	0	5.9567	48.69	3.031	0.535828
hsa-miR-204-5p	35.65	0	0	0	10.14	39.89	11.8833	16.6767	0.4889	0.53623
hsa-miR-145-3p	0	16.22	0	0	10.14	39.89	5.4067	16.6767	1.625	0.53627
hsa-miR-93-3p	71.3	156.83	56.41	67.97	101.44	26.59	94.8467	65.3333	-0.5378	0.537755
hsa-miR-361-5p	784.26	508.34	585.25	679.67	486.93	412.16	625.95	526.2533	-0.2503	0.539848
hsa-miR-26a-5p	61100.82	36237.88	42631.8	46625.44	40182.19	29901.75	46656.8333	38903.1267	-0.2622	0.540149
hsa-miR-592	0	0	0	0	0	26.59	0	8.8633	9.7917	0.540454
hsa-miR-335-5p	0	0	0	0	0	26.59	0	8.8633	9.7917	0.540656
hsa-miR-409-5p	0	0	0	0	0	26.59	0	8.8633	9.7917	0.540726
hsa-miR-500b-5p	0	0	0	0	0	26.6	0	8.8667	9.7923	0.540988
hsa-miR-431-3p	0	0	0	0	0	26.59	0	8.8633	9.7917	0.541023
hsa-miR-574-5p	0	167.64	98.72	67.97	96.37	39.89	88.7867	68.0767	-0.3832	0.545559
hsa-miR-941	3386.57	1227.58	1748.71	3942.09	1313.71	797.73	2120.9533	2017.8433	-0.0719	0.548979
hsa-miR-20a-5p	1247.68	1200.54	2277.55	3194.45	1612.97	1794.9	1575.2567	2200.7733	0.4824	0.549653
hsa-miR-4433b-5p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.551077
hsa-miR-1273h-3p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.551657
hsa-miR-4446-3p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.552118
hsa-miR-615-5p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.552421
hsa-miR-7977	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.552686
hsa-miR-6767-5p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.553015
hsa-miR-762	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.553159
hsa-miR-483-3p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.553206
hsa-miR-3126-5p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.553256
hsa-miR-651-5p	35.65	86.53	91.67	67.97	71.01	26.59	71.2833	55.19	-0.3692	0.553401
hsa-let-7a-2-3p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.553522
hsa-miR-3127-3p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.553525
hsa-miR-493-3p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.553618
hsa-miR-6831-5p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.553782
hsa-miR-4758-5p	35.65	0	0	0	0	0	11.8833	0	-10.2147	0.5541
hsa-miR-1537-3p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.554577
hsa-miR-216b-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.554579
hsa-miR-17-3p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.55466

hsa-miR-1908-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.554975
hsa-miR-5585-3p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.555477
hsa-miR-4781-3p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.555565
hsa-miR-216a-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.555715
hsa-miR-1266-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.555869
hsa-miR-4657	0	0	0	67.97	0	0	0	22.6567	11.1457	0.556335
hsa-miR-6858-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.556424
hsa-miR-4659a-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.556957
hsa-miR-105-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.557035
hsa-miR-182-3p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.557285
hsa-miR-5001-3p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.55733
hsa-miR-23a-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.557401
hsa-miR-4443	0	0	0	67.97	0	0	0	22.6567	11.1457	0.557534
hsa-miR-4417	0	0	0	67.97	0	0	0	22.6567	11.1457	0.557682
hsa-miR-4494	0	0	0	67.97	0	0	0	22.6567	11.1457	0.557784
hsa-miR-5701	0	0	0	67.97	0	0	0	22.6567	11.1457	0.557899
hsa-miR-3912-3p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.558182
hsa-miR-3614-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.558603
hsa-miR-197-5p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.558763
hsa-miR-4797-3p	0	0	0	67.97	0	0	0	22.6567	11.1457	0.558985
hsa-miR-15b-5p	0	32.45	35.26	135.93	30.43	26.59	22.57	64.3167	1.5108	0.55963
hsa-let-7e-3p	106.94	91.93	63.46	67.97	81.16	26.59	87.4433	58.5733	-0.5781	0.560743
hsa-let-7f-5p	36004.57	65753.82	65745.77	21341.67	53131.59	44872.57	55834.72	39781.9433	-0.489	0.561306
hsa-miR-29a-3p	1283.33	1433.08	1523.07	1291.37	1876.72	2047.52	1413.16	1738.5367	0.2989	0.562258
hsa-miR-132-3p	142.59	151.42	112.82	475.77	96.37	159.55	135.61	243.8967	0.8468	0.569083
hsa-miR-155-5p	42955.94	26514.6	35213.9	33507.78	22571.42	30500.05	34894.8133	28859.75	-0.274	0.569778
hsa-miR-615-3p	249.54	81.12	84.61	747.64	45.65	79.77	138.4233	291.02	1.072	0.570109
hsa-miR-151a-3p	67089.69	25487.11	32534.43	78162.17	27501.62	14837.86	41703.7433	40167.2167	-0.0542	0.571004
hsa-miR-365b-3p	784.26	400.18	239.74	815.6	223.18	265.92	474.7267	434.9	-0.1264	0.572609
hsa-miR-365a-3p	784.26	400.18	239.74	815.6	223.18	265.92	474.7267	434.9	-0.1264	0.572708
hsa-miR-19b-3p	71.3	248.76	183.34	135.94	370.27	186.14	167.8	230.7833	0.4598	0.58478
hsa-let-7e-5p	427.78	1054.53	909.61	339.84	801.41	624.89	797.3067	588.7133	-0.4376	0.588067
hsa-miR-548h-5p	71.3	129.78	98.72	0	40.58	132.96	99.9333	57.8467	-0.7887	0.588878
hsa-miR-326	35.65	37.85	7.05	67.97	5.07	0	26.85	24.3467	-0.1412	0.590162
hsa-miR-27b-5p	0	5.41	28.2	135.93	10.14	13.3	11.2033	53.1233	2.2454	0.591836
hsa-miR-196b-5p	748.61	427.22	472.43	1155.44	248.54	305.8	549.42	569.9267	0.0529	0.593614
hsa-miR-1287-5p	35.65	37.85	56.41	67.97	45.65	0	43.3033	37.8733	-0.1933	0.59739
hsa-miR-16-5p	570.36	378.55	394.86	1359.34	390.56	319.1	447.9233	689.6667	0.6226	0.600793
hsa-miR-331-3p	35.65	16.22	7.05	67.97	30.43	13.3	19.64	37.2333	0.9228	0.613493
hsa-miR-1285-3p	71.3	43.26	42.3	0	50.72	26.6	52.2867	25.7733	-1.0206	0.615832
hsa-miR-455-3p	142.59	140.6	126.92	203.9	116.66	53.18	136.7033	124.58	-0.134	0.623336
hsa-miR-378c	178.24	124.38	190.38	339.84	126.81	212.73	164.3333	226.46	0.4626	0.625167
hsa-miR-374a-5p	71.3	156.83	119.87	135.93	106.52	66.48	116	102.9767	-0.1718	0.626571
hsa-miR-197-3p	356.48	362.32	218.59	815.61	197.82	66.48	312.4633	359.97	0.2042	0.627255
hsa-miR-1296-5p	0	27.04	14.1	135.93	15.22	13.3	13.7133	54.8167	1.999	0.631236
hsa-miR-4532	0	5.41	63.46	67.97	5.07	0	22.9567	24.3467	0.0848	0.634316
hsa-miR-450b-5p	106.94	237.94	267.95	135.93	182.6	172.84	204.2767	163.79	-0.3187	0.637039
hsa-miR-454-3p	71.3	194.68	91.67	0	65.94	159.55	119.2167	75.1633	-0.6655	0.638424
hsa-miR-455-5p	3386.57	1854.89	2383.32	3806.16	2155.7	1342.85	2541.5933	2434.9033	-0.0619	0.643009
hsa-miR-425-5p	855.55	405.59	444.23	2106.98	268.83	425.46	568.4567	933.7567	0.716	0.643076
hsa-miR-16-2-3p	1390.28	589.45	789.74	747.64	745.62	678.07	923.1567	723.7767	-0.351	0.644698
hsa-let-7g-5p	18251.82	18765.18	24235.12	11214.57	18995.5	17443.79	20417.3733	15884.62	-0.3622	0.645049
hsa-miR-296-3p	71.3	37.85	63.46	339.84	40.58	26.59	57.5367	135.67	1.2375	0.645418
hsa-miR-708-5p	71.3	43.26	126.92	475.77	30.43	66.48	80.4933	190.8933	1.2458	0.646459
hsa-miR-181a-5p	11336.1	7538.52	8940.98	12641.88	7648.92	6115.96	9271.8667	8802.2533	-0.075	0.648879
hsa-miR-660-5p	142.59	91.93	49.36	135.93	96.37	119.66	94.6267	117.32	0.3101	0.650071
hsa-miR-550a-3p	71.3	10.82	28.2	135.94	0	0	36.7733	45.3133	0.3013	0.65262
hsa-miR-106a-5p	0	124.38	98.72	0	131.88	172.84	74.3667	101.5733	0.4498	0.652748
hsa-miR-501-3p	71.3	64.89	141.02	203.9	101.44	106.36	92.4033	137.2333	0.5706	0.653883
hsa-miR-3928-3p	0	16.22	14.1	0	5.07	0	10.1067	1.69	-2.5802	0.654033
hsa-miR-296-5p	35.65	10.82	7.05	0	5.07	0	17.84	1.69	-3.4	0.65418
hsa-miR-25-5p	0	10.82	21.15	0	5.07	0	10.6567	1.69	-2.6567	0.654466
hsa-miR-505-5p	35.65	5.41	7.05	0	10.14	0	16.0367	3.38	-2.2463	0.656049
hsa-miR-106b-3p	3636.1	1854.89	1748.71	4689.73	1612.97	1103.53	2413.2333	2468.7433	0.0328	0.656064
hsa-miR-29b-3p	356.48	129.78	112.82	271.86	152.16	79.78	199.6933	167.9333	-0.2499	0.656672
hsa-miR-548az-5p	0	5.41	7.05	67.97	0	13.3	4.1533	27.09	2.7054	0.657079
hsa-miR-320d	142.59	97.34	112.82	203.9	233.32	26.59	117.5833	154.6033	0.3949	0.657344
hsa-miR-3158-3p	0	16.22	42.31	67.97	20.29	39.89	19.51	42.7167	1.1306	0.658377
hsa-miR-141-3p	0	21.63	7.05	0	5.07	0	9.56	1.69	-2.5	0.658564
hsa-miR-548o-3p	285.18	259.58	352.56	543.74	395.64	239.32	299.1067	392.9	0.3935	0.662691
hsa-miR-330-3p	320.83	97.34	155.13	747.64	106.52	106.36	191.1	320.1733	0.7445	0.662948
hsa-miR-221-3p	6202.77	6911.21	8524.95	13729.35	7537.33	7046.65	7212.9767	9437.7767	0.3879	0.667625
hsa-miR-1180-3p	570.37	459.67	366.66	815.61	339.84	265.91	465.5667	473.7867	0.0252	0.673584
hsa-miR-3687	748.61	16.22	7.05	543.74	50.72	13.3	257.2933	202.5867	-0.3449	0.675123
hsa-miR-451a	499.07	48.67	77.56	203.9	25.36	172.84	208.4333	134.0333	-0.637	0.677834
hsa-miR-3138	71.3	0	0	0	5.07	0	23.7667	1.69	-3.8138	0.68084
hsa-miR-1255a	106.94	64.89	49.36	135.93	55.79	13.3	73.73	68.34	-0.1095	0.687666
hsa-miR-222-3p	5561.1	4607.47	5041.64	8020.12	5772.2	4600.27	5070.07	6130.8633	0.2741	0.696543
hsa-miR-26b-5p	606.02	1314.1	1269.22	1223.41	1775.28	1023.76	1063.1133	1340.8167	0.3348	0.698744

hsa-miR-30c-2-3p	427.78	308.25	479.48	679.67	370.27	172.84	405.17	407.5933	0.0086	0.699447
hsa-miR-106b-5p	35.65	81.12	112.82	203.9	106.52	53.18	76.53	121.2	0.6633	0.699826
hsa-miR-625-3p	1390.28	378.55	542.95	1427.31	400.71	412.16	770.5933	746.7267	-0.0454	0.706123
hsa-miR-423-5p	5347.21	1616.94	1135.25	10331	1760.06	850.92	2699.8	4313.9933	0.6762	0.706593
hsa-miR-30b-5p	784.26	454.26	380.77	611.7	415.92	398.87	539.7633	475.4967	-0.1829	0.710507
hsa-miR-4792	1568.52	432.63	655.77	3330.39	517.37	358.98	885.64	1402.2467	0.6629	0.713336
hsa-miR-1-3p	1425.92	1449.3	4449.33	951.54	2698.42	1861.38	2441.5167	1837.1133	-0.4103	0.716815
hsa-miR-378d	142.59	32.45	42.31	67.97	81.16	66.48	72.45	71.87	-0.0116	0.717117
hsa-miR-873-3p	0	5.41	14.1	0	20.29	13.3	6.5033	11.1967	0.7838	0.721457
hsa-miR-199a-3p	213.88	97.34	56.4	135.94	40.58	106.36	122.54	94.2933	-0.378	0.722201
hsa-miR-199b-3p	213.88	97.34	56.4	135.94	40.58	106.36	122.54	94.2933	-0.378	0.722228
hsa-miR-340-5p	320.83	389.36	444.23	271.87	603.6	412.16	384.8067	429.21	0.1575	0.722641
hsa-miR-548am-3p	0	10.82	28.2	0	10.14	13.3	13.0067	7.8133	-0.7353	0.722703
hsa-miR-107	106.94	10.82	7.05	135.93	25.36	26.59	41.6033	62.6267	0.5901	0.727732
hsa-miR-664a-3p	0	27.04	7.05	0	5.07	13.3	11.3633	6.1233	-0.892	0.72872
hsa-miR-99a-5p	3279.62	838.21	1099.99	3874.12	984.01	1608.76	1739.2733	2155.63	0.3096	0.731369
hsa-miR-30a-5p	19606.45	23361.83	30052.39	21137.77	35561.39	26046.03	24340.2233	27581.73	0.1804	0.732574
hsa-miR-27a-5p	677.31	27.04	56.41	679.67	50.72	13.3	253.5867	247.8967	-0.0327	0.733373
hsa-miR-92a-3p	13653.22	11859.38	12036.47	20797.94	10271.26	8110.3	12516.3567	13059.8333	0.0613	0.737474
hsa-miR-7704	71.3	16.22	126.92	203.9	30.43	13.3	71.48	82.5433	0.2076	0.739156
hsa-miR-935	213.89	16.22	35.26	203.9	20.29	13.3	88.4567	79.1633	-0.1601	0.739266
hsa-miR-484	178.24	108.16	84.61	543.74	91.3	39.89	123.67	224.9767	0.8633	0.742208
hsa-miR-532-5p	5204.62	1957.64	2898.06	6728.74	2318.01	1502.4	3353.44	3516.8333	0.0685	0.744322
hsa-miR-548au-5p	0	16.23	7.05	135.94	0	0	7.76	45.3133	2.5458	0.744673
hsa-miR-7-5p	21424.5	37719.62	37921.58	19982.34	31016.68	57264.03	32355.2333	36087.6833	0.1575	0.747874
hsa-miR-7706	35.65	32.45	105.77	271.87	25.36	66.48	57.9567	121.2367	1.0648	0.748404
hsa-miR-130b-5p	71.3	10.82	141.02	135.93	30.43	53.18	74.38	73.18	-0.0235	0.750725
hsa-miR-363-3p	71.3	254.17	303.2	67.97	349.98	305.8	209.5567	241.25	0.2032	0.751119
hsa-miR-548am-5p	0	16.23	0	135.94	0	0	5.41	45.3133	3.0662	0.753716
hsa-miR-548o-5p	0	16.23	0	135.94	0	0	5.41	45.3133	3.0662	0.753765
hsa-miR-548c-5p	0	16.23	0	135.94	0	0	5.41	45.3133	3.0662	0.753813
hsa-miR-21-3p	71.3	113.56	77.56	0	152.17	13.3	87.4733	55.1567	-0.6653	0.755182
hsa-miR-27a-3p	3600.46	3742.22	3913.44	2514.78	5685.97	1342.85	3752.04	3181.2	-0.2381	0.755454
hsa-miR-550a-5p	106.94	16.22	35.26	135.93	45.65	39.89	52.8067	73.8233	0.4834	0.757931
hsa-miR-200a-3p	1105.09	1081.57	1374.99	815.61	1181.83	1023.76	1187.2167	1007.0667	-0.2374	0.760189
hsa-let-7i-5p	107300.7	161683.4	122000.6	101474.9	192531.7	146437.5	130328.22	146814.6633	0.1718	0.760679
hsa-miR-4485-3p	35.65	0	0	135.93	0	0	11.8833	45.31	1.9309	0.761842
hsa-miR-382-5p	35.65	5.41	14.1	0	20.29	26.59	18.3867	15.6267	-0.2346	0.763556
hsa-miR-548av-3p	356.48	281.22	408.96	543.74	426.08	279.22	348.8867	416.3467	0.255	0.763717
hsa-miR-3934-5p	35.65	27.04	91.67	0	40.58	53.18	51.4533	31.2533	-0.7193	0.764606
hsa-miR-324-3p	35.65	10.82	28.2	0	25.36	0	24.89	8.4533	-1.558	0.766394
hsa-miR-125a-5p	1568.52	1005.86	1431.4	1699.18	811.56	1276.38	1335.26	1262.3733	-0.081	0.766717
hsa-miR-4661-5p	0	16.22	35.26	67.97	10.14	0	17.16	26.0367	0.6015	0.769035
hsa-miR-28-3p	6915.73	2822.89	3934.59	10534.9	2886.1	1781.61	4557.7367	5067.5367	0.153	0.769376
hsa-miR-125a-3p	249.54	70.3	155.13	339.84	111.59	39.89	158.3233	163.7733	0.0488	0.778766
hsa-miR-375	427.78	146.01	232.69	135.93	116.66	319.09	268.8267	190.56	-0.4964	0.78091
hsa-miR-671-5p	71.3	43.26	7.05	271.87	20.29	13.3	40.5367	101.82	1.3287	0.789251
hsa-miR-100-5p	14936.55	5737.71	4526.9	17467.55	5366.42	3869.01	8400.3867	8900.9933	0.0835	0.790939
hsa-miR-421	142.59	113.56	126.92	135.93	91.3	106.36	127.69	111.1967	-0.1995	0.792076
hsa-miR-760	213.89	59.49	49.36	135.93	65.94	132.96	107.58	111.61	0.0531	0.79417
hsa-miR-1278	0	21.63	28.2	0	30.43	26.59	16.61	19.0067	0.1945	0.795397
hsa-miR-93-5p	499.07	1141.05	1579.48	475.77	1131.11	1076.94	1073.2	894.6067	-0.2626	0.800306
hsa-miR-4677-3p	71.3	0	28.2	0	25.36	13.3	33.1667	12.8867	-1.3639	0.800687
hsa-miR-22-3p	356.48	924.74	712.18	679.67	1034.73	664.78	664.4667	793.06	0.2552	0.804087
hsa-miR-381-3p	142.59	27.04	98.72	0	86.23	146.25	89.45	77.4933	-0.207	0.811527
hsa-miR-186-5p	2138.88	1379	1579.48	1767.14	1465.87	1449.22	1699.12	1560.7433	-0.1226	0.8148
hsa-miR-146b-5p	748.61	670.57	1269.22	1291.37	796.34	1037.05	896.1333	1041.5867	0.217	0.816046
hsa-miR-769-5p	213.89	275.8	260.9	339.84	202.89	212.73	250.1967	251.82	0.0093	0.817139
hsa-miR-503-5p	178.24	86.53	169.23	339.84	106.52	53.18	144.6667	166.5133	0.2029	0.819347
hsa-miR-345-5p	35.65	118.97	141.02	203.9	147.09	66.48	98.5467	139.1567	0.4978	0.820117
hsa-miR-22-5p	0	97.34	70.51	0	167.38	26.59	55.95	64.6567	0.2087	0.821822
hsa-miR-378i	998.15	324.47	712.18	1087.47	380.42	531.82	678.2667	666.57	-0.0251	0.822779
hsa-miR-4326	356.48	167.64	267.95	475.77	162.31	292.5	264.0233	310.1933	0.2325	0.824415
hsa-let-7d-5p	2780.55	1881.93	1833.32	4553.8	1709.34	1090.24	2165.2667	2451.1267	0.1789	0.827453
hsa-miR-548d-5p	0	21.63	35.26	135.93	25.36	0	18.9633	53.7633	1.5034	0.827521
hsa-miR-423-3p	4919.44	1795.4	2686.52	7204.51	1744.85	1595.47	3133.7867	3514.9433	0.1656	0.828958
hsa-miR-501-5p	35.65	32.45	35.26	0	20.29	39.89	34.4533	20.06	-0.7803	0.831473
hsa-miR-1262	71.3	16.22	14.1	67.97	15.22	39.89	33.8733	41.0267	0.2764	0.832195
hsa-miR-3182	1176.39	292.02	70.51	2106.98	309.41	39.89	512.9733	818.76	0.6746	0.835343
hsa-miR-331-5p	35.65	32.45	49.36	67.97	25.36	13.3	39.1533	35.5433	-0.1396	0.840507
hsa-miR-152-3p	2709.25	2536.27	2496.14	3398.36	2830.3	1595.47	2580.5533	2608.0433	0.0153	0.840937
hsa-miR-30d-5p	20141.17	11475.42	15392.86	19506.56	13025.48	12976.48	15669.8167	15169.5067	-0.0468	0.841387
hsa-miR-196a-5p	213.89	70.3	225.64	271.87	101.44	132.96	169.9433	168.7567	-0.0101	0.842954
hsa-miR-140-3p	784.26	470.48	712.18	611.7	694.9	691.37	655.64	665.99	0.0226	0.846163
hsa-miR-365a-5p	249.54	27.04	7.05	203.9	30.43	26.59	94.5433	86.9733	-0.1204	0.850592
hsa-miR-185-5p	641.67	324.47	592.3	815.61	481.86	452.05	519.48	583.1733	0.1669	0.858027
hsa-miR-21-5p	168971.9	330505	247724.2	117651.1	293245.8	247563.6	249067.0533	219486.8233	-0.1824	0.859516
hsa-miR-548ay-5p	0	21.63	63.46	135.93	40.58	0	28.3633	58.8367	1.0527	0.867813
hsa-miR-146a-5p	5632.4	5213.15	14758.25	7000.61	6614.19	9599.4	8534.6	7738.0667	-0.1414	0.868052

hsa-miR-20b-5p	35.65	75.71	169.23	203.9	101.44	93.07	93.53	132.8033	0.5058	0.871203
hsa-miR-409-3p	106.94	10.82	28.2	0	10.14	66.48	48.6533	25.54	-0.9298	0.87177
hsa-miR-25-3p	9482.39	7506.07	9018.54	11418.47	8516.27	6435.06	8669	8789.9333	0.02	0.874714
hsa-miR-181b-5p	10551.84	8728.24	10873.01	17671.44	9398.83	6142.56	10051.03	11070.9433	0.1394	0.87881
hsa-miR-619-5p	178.24	10.82	119.87	271.87	10.14	53.18	102.9767	111.73	0.1177	0.879396
hsa-miR-548ad-5p	0	21.63	84.61	135.93	50.72	13.3	35.4133	66.65	0.9123	0.883496
hsa-miR-548ae-5p	0	21.63	84.61	135.93	50.72	13.3	35.4133	66.65	0.9123	0.883505
hsa-miR-550a-3-5p	106.94	32.44	42.31	135.93	55.79	39.89	60.5633	77.2033	0.3502	0.883976
hsa-miR-130a-3p	35.65	54.08	70.51	0	55.79	53.18	53.4133	36.3233	-0.5563	0.887176
hsa-miR-200a-5p	606.02	324.47	444.23	475.77	532.58	252.62	458.24	420.3233	-0.1246	0.891425
hsa-miR-194-5p	106.94	10.82	84.61	135.93	45.65	53.18	67.4567	78.2533	0.2142	0.899349
hsa-miR-203a-3p	499.07	335.29	352.56	339.84	451.43	279.21	395.64	356.8267	-0.149	0.903283
hsa-miR-589-5p	213.89	135.2	119.87	135.93	106.52	226.02	156.32	156.1567	-0.0015	0.903634
hsa-miR-3681-5p	0	70.3	84.61	67.97	76.08	53.18	51.6367	65.7433	0.3484	0.908367
hsa-miR-221-5p	392.13	594.86	366.66	475.77	385.49	478.64	451.2167	446.6333	-0.0147	0.909081
hsa-miR-320c	356.48	216.31	232.69	203.9	390.56	93.07	268.4933	229.1767	-0.2284	0.911249
hsa-miR-148b-3p	1532.87	1919.78	2023.71	2310.88	2054.25	1715.13	1825.4533	2026.7533	0.1509	0.911308
hsa-miR-486-5p	998.15	21.63	296.15	883.57	25.36	358.98	438.6433	422.6367	-0.0536	0.911915
hsa-miR-652-3p	392.13	324.47	338.46	815.61	349.98	199.43	351.6867	455.0067	0.3716	0.918307
hsa-miR-10a-3p	178.24	43.26	56.41	203.9	35.51	93.07	92.6367	110.8267	0.2586	0.919158
hsa-miR-1290	998.15	497.52	1212.81	1359.34	618.81	983.87	902.8267	987.34	0.1291	0.926272
hsa-miR-96-5p	392.13	351.51	345.51	611.7	319.55	265.91	363.05	399.0533	0.1364	0.942414
hsa-miR-361-3p	1639.81	600.27	881.41	1903.08	755.76	678.07	1040.4967	1112.3033	0.0963	0.943141
hsa-miR-10a-5p	12655.07	4104.54	5725.61	17399.58	3114.35	5331.53	7495.0733	8615.1533	0.2009	0.948285
hsa-miR-320a	6131.47	2617.39	2876.91	6117.04	3312.17	2978.21	3875.2567	4135.8067	0.0939	0.951029
hsa-miR-135b-5p	392.13	438.03	239.74	271.87	420.99	305.8	356.6333	332.8867	-0.0994	0.955569
hsa-miR-31-5p	35.65	205.5	162.18	0	218.11	132.96	134.4433	117.0233	-0.2002	0.965011
hsa-miR-320b	712.96	502.93	437.18	815.61	710.11	279.21	551.0233	601.6433	0.1268	0.966095
hsa-miR-744-5p	463.43	178.46	253.84	815.61	228.25	119.66	298.5767	387.84	0.3774	0.969446
hsa-miR-450a-5p	142.6	308.25	324.36	271.86	365.2	159.54	258.4033	265.5333	0.0393	0.97287
hsa-miR-191-5p	5133.32	1952.23	3039.09	7884.18	2094.83	2140.59	3374.88	4039.8667	0.2595	0.980573
hsa-miR-10b-5p	3350.92	1449.3	2073.06	2854.62	1247.77	2725.59	2291.0933	2275.9933	-0.0095	0.982914
hsa-miR-27b-3p	2744.9	3493.46	4336.51	3670.22	4818.62	2566.05	3524.9567	3684.9633	0.064	0.986011
hsa-miR-873-5p	0	16.22	7.05	0	15.22	13.3	7.7567	9.5067	0.2935	1
hsa-miR-142-5p	142.59	86.53	21.15	67.97	86.23	53.18	83.4233	69.1267	-0.2712	1
hsa-miR-2682-5p	0	10.82	14.1	0	10.14	26.59	8.3067	12.2433	0.5596	1
hsa-miR-1915-5p	0	5.41	0	0	0	0	1.8033	0	-7.4945	1
hsa-miR-548e-3p	35.65	10.82	35.26	67.97	10.14	13.3	27.2433	30.47	0.1615	1
hsa-miR-142-3p	0	16.22	28.2	0	20.29	26.59	14.8067	15.6267	0.0778	1
hsa-miR-98-3p	35.65	27.04	21.15	0	30.43	13.3	27.9467	14.5767	-0.939	1
hsa-miR-3175	0	0	0	0	10.14	0	0	3.38	8.4009	1
hsa-miR-15b-3p	71.3	146.01	155.13	135.93	157.24	93.07	124.1467	128.7467	0.0525	1
hsa-miR-4671-3p	0	0	0	0	0	13.3	0	4.4333	8.7922	1
hsa-miR-23b-5p	0	5.41	14.1	67.97	5.07	0	6.5033	24.3467	1.9045	1
hsa-miR-1276	0	10.82	28.2	67.97	0	13.3	13.0067	27.09	1.0585	1
hsa-miR-130b-3p	0	43.26	70.51	67.97	50.72	26.59	37.9233	48.4267	0.3527	1
hsa-miR-378b	0	0	7.05	0	10.14	13.3	2.35	7.8133	1.7333	1
hsa-miR-548ah-5p	0	5.41	0	0	0	0	1.8033	0	-7.4945	1
hsa-miR-548q	0	5.41	0	0	0	0	1.8033	0	-7.4945	1
hsa-miR-5010-3p	71.3	10.82	14.1	67.97	5.07	13.3	32.0733	28.78	-0.1563	1
hsa-miR-196b-3p	0	0	0	0	5.07	0	0	1.69	7.4009	1
hsa-miR-24-1-5p	0	0	7.05	0	15.22	0	2.35	5.0733	1.1103	1
hsa-miR-4667-5p	35.65	0	0	0	5.07	0	11.8833	1.69	-2.8138	1
hsa-miR-1271-5p	0	32.45	28.2	0	40.58	26.59	20.2167	22.39	0.1473	1
hsa-miR-4636	0	5.41	0	0	0	0	1.8033	0	-7.4945	1
hsa-miR-548av-5p	0	5.41	14.1	67.97	10.14	0	6.5033	26.0367	2.0013	1
hsa-miR-6854-5p	0	0	0	0	5.07	0	0	1.69	7.4009	1
hsa-miR-3929	35.65	16.22	0	0	10.14	13.3	17.29	7.8133	-1.1459	1
hsa-miR-365b-5p	35.65	48.67	14.1	67.97	10.14	39.89	32.8067	39.3333	0.2618	1
hsa-miR-3121-3p	0	0	0	0	5.07	0	0	1.69	7.4009	1
hsa-miR-223-3p	0	0	0	0	5.07	0	0	1.69	7.4009	1
hsa-miR-4638-3p	0	0	0	0	0	13.3	0	4.4333	8.7922	1
hsa-miR-6877-5p	0	0	0	0	0	13.3	0	4.4333	8.7922	1
hsa-miR-767-5p	0	0	0	0	0	13.3	0	4.4333	8.7922	1
hsa-miR-4479	0	10.82	0	0	0	0	3.6067	0	-8.4945	1
hsa-miR-3143	0	5.41	0	0	0	0	1.8033	0	-7.4945	1
hsa-miR-190a-5p	0	0	0	0	5.07	0	0	1.69	7.4009	1
hsa-miR-664a-5p	71.3	10.82	42.31	0	30.43	39.89	41.4767	23.44	-0.8233	1
hsa-miR-6783-3p	0	0	7.05	0	0	0	2.35	0	-7.8765	1
hsa-miR-3199	0	0	0	0	5.07	0	0	1.69	7.4009	1
hsa-miR-374c-5p	0	70.3	63.46	67.97	45.65	39.89	44.5867	51.17	0.1987	1
hsa-miR-4466	0	5.41	0	0	0	0	1.8033	0	-7.4945	1
hsa-miR-412-3p	0	0	0	0	0	13.3	0	4.4333	8.7922	1
hsa-miR-3164	0	5.41	0	0	0	0	1.8033	0	-7.4945	1
hsa-miR-30b-3p	0	10.82	7.05	0	10.14	0	5.9567	3.38	-0.8175	1
hsa-miR-6808-3p	0	0	7.05	0	0	0	2.35	0	-7.8765	1
hsa-miR-490-3p	0	0	0	0	5.07	0	0	1.69	7.4009	1
hsa-miR-126-5p	106.94	27.04	0	0	40.58	26.59	44.66	22.39	-0.9961	1
hsa-miR-30c-1-3p	0	0	7.05	0	5.07	13.3	2.35	6.1233	1.3816	1

hsa-miR-4447	0	0	0	0	0	0	0	0	0	1
hsa-miR-203a-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-3659	0	0	0	0	0	0	0	0	0	1
hsa-miR-6815-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-651-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-1225-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4639-5p	0	5.41	0	0	0	0	1.8033	0	-7.4945	1
hsa-miR-4747-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-937-3p	0	5.41	0	0	5.07	0	1.8033	1.69	-0.0936	1
hsa-miR-518e-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6086	0	0	0	0	0	0	0	0	0	1
hsa-miR-1225-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6803-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-8067	0	0	0	0	0	0	0	0	0	1
hsa-miR-3189-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4712-5p	0	5.41	0	0	0	0	1.8033	0	-7.4945	1
hsa-miR-6845-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6734-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-5188	0	0	0	0	0	0	0	0	0	1
hsa-miR-6776-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6718-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4750-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6849-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6865-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6792-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6830-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-7107-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-1825	0	0	0	0	0	0	0	0	0	1
hsa-miR-623	0	0	0	0	0	0	0	0	0	1
hsa-miR-640	0	0	0	0	0	0	0	0	0	1
hsa-miR-7106-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-1231	0	0	0	0	0	0	0	0	0	1
hsa-miR-6821-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-299-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4763-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4437	0	0	0	0	0	0	0	0	0	1
hsa-miR-217	0	0	0	0	5.07	0	0	1.69	7.4009	1
hsa-miR-205-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-892c-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-3171	0	0	0	0	0	0	0	0	0	1
hsa-miR-4769-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6895-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4785	0	0	0	0	0	0	0	0	0	1
hsa-miR-92a-1-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6777-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4637	0	0	0	0	0	0	0	0	0	1
hsa-miR-6813-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6774-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-7159-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4760-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-515-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-552-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-2682-3p	0	5.41	7.05	0	5.07	0	4.1533	1.69	-1.2972	1
hsa-miR-4709-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-1304-3p	106.94	16.22	21.15	135.93	20.29	13.3	48.1033	56.5067	0.2323	1
hsa-miR-5092	0	0	0	0	0	0	0	0	0	1
hsa-miR-6761-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-3945	0	0	0	0	0	0	0	0	0	1
hsa-miR-7114-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6884-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6762-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4524b-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4999-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-422a	71.3	5.41	35.26	0	30.43	39.89	37.3233	23.44	-0.6711	1
hsa-miR-520d-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4738-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6838-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6499-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4436b-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4797-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-652-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-513a-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-596	0	0	0	0	0	0	0	0	0	1
hsa-miR-4474-3p	0	5.41	0	0	5.07	0	1.8033	1.69	-0.0936	1
hsa-miR-448	0	0	0	0	0	0	0	0	0	1
hsa-miR-548ar-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-3064-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6890-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-584-5p	0	54.08	28.2	0	60.87	26.59	27.4267	29.1533	0.0881	1

hsa-miR-6742-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4703-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4288	0	0	0	0	0	0	0	0	0	1
hsa-miR-125b-1-3p	35.65	5.41	0	0	15.22	13.3	13.6867	9.5067	-0.5258	1
hsa-miR-510-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6515-5p	0	5.41	7.05	0	5.07	0	4.1533	1.69	-1.2972	1
hsa-miR-3918	0	0	0	0	0	0	0	0	0	1
hsa-miR-6805-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-659-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-5003-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4534	0	0	0	0	0	0	0	0	0	1
hsa-miR-3941	0	0	0	0	0	0	0	0	0	1
hsa-miR-6819-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-374a-3p	35.65	27.04	21.15	0	25.36	39.89	27.9467	21.75	-0.3617	1
hsa-miR-4700-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-449b-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-8069	0	0	0	0	0	0	0	0	0	1
hsa-miR-657	0	0	0	0	0	0	0	0	0	1
hsa-miR-6788-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-3675-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-5000-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-370-3p	35.65	0	0	0	0	13.3	11.8833	4.4333	-1.4225	1
hsa-miR-490-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4777-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6509-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4258	0	0	0	0	0	0	0	0	0	1
hsa-miR-410-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6882-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-3187-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-506-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6832-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4693-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-10b-3p	0	16.22	0	0	20.29	0	5.4067	6.7633	0.323	1
hsa-miR-5683	0	0	0	0	0	0	0	0	0	1
hsa-miR-6828-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-1343-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-502-5p	0	0	14.1	67.97	0	0	4.7	22.6567	2.2692	1
hsa-miR-6804-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-3910	0	0	0	0	0	0	0	0	0	1
hsa-miR-5010-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6760-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-494-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-145-5p	35.65	27.04	14.1	67.97	20.29	26.59	25.5967	38.2833	0.5808	1
hsa-miR-451b	0	0	0	0	0	0	0	0	0	1
hsa-miR-944	0	0	0	0	0	0	0	0	0	1
hsa-miR-3177-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4529-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6818-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-3653-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-599	0	0	0	0	0	0	0	0	0	1
hsa-miR-607	0	0	0	0	0	0	0	0	0	1
hsa-miR-6831-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-568	0	0	0	0	0	0	0	0	0	1
hsa-miR-4692	0	0	0	0	0	0	0	0	0	1
hsa-miR-4455	0	0	0	0	0	0	0	0	0	1
hsa-miR-1252-5p	0	0	7.05	0	5.07	0	2.35	1.69	-0.4756	1
hsa-miR-1199-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-92b-5p	0	16.22	0	67.97	0	13.3	5.4067	27.09	2.3249	1
hsa-miR-5684	0	0	0	0	0	0	0	0	0	1
hsa-miR-3124-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4510	0	0	0	0	0	0	0	0	0	1
hsa-miR-575	0	0	0	0	0	0	0	0	0	1
hsa-miR-6791-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-372-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-585-3p	0	21.63	0	0	15.22	0	7.21	5.0733	-0.5071	1
hsa-miR-579-3p	0	0	0	0	0	13.3	0	4.4333	8.7922	1
hsa-miR-6848-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4529-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-6802-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-5698	0	0	0	0	0	0	0	0	0	1
hsa-miR-548a-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-8053	0	0	0	0	0	0	0	0	0	1
hsa-miR-466	0	0	0	0	0	0	0	0	0	1
hsa-miR-4264	0	0	0	0	0	0	0	0	0	1
hsa-miR-4736	0	0	0	0	0	0	0	0	0	1
hsa-miR-6806-3p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4725-5p	0	0	0	0	0	0	0	0	0	1
hsa-miR-4641	0	0	0	0	0	0	0	0	0	1
hsa-miR-6826-5p	0	0	0	0	5.07	0	0	1.69	7.4009	1

Table S2 Differentially expressed microRNAs, mechanism, and pathophysiological effects in hypoxic exposure, preconditioning and I/R injury.

MicroRNA	Mechanism	Pathophysiological effects	Organ/cell type	Organism	Ref.
miR-218-5p	Enhances HIF-1 α by targeting Robo1	Adverse to protection from intermittent hypoxia-induced injury	Aortic endothelial cells	Mouse	[1]
miR-9-5p	Upregulated by IPC	Signature of IPC	Hippocampal Neurons	Rat	[2]
	Upregulated by HIF-1 α	Phenotypic modulation	Pulmonary artery smooth muscle cells	Rat	[3]
	Regulates the post-transcriptional level of VEGF165a by targeting SRPK-1	Pro-angiogenic	Retinal pigment epithelial cells	Human	[4]
miR-129-5p	Inhibits HMGB1 and TLR3-associated cytokines	Protection from I/R injury	Spinal cord	Mouse	[5]
miR127-3p	Mediated by HIF-1 α , targets KIF3B	Protection from I/R injury	Proximal tubule cells	Rat/human	[6]
	HIF-1 α effector, targets Bcl6	Minimizes maladaptive repair after I/R injury	Kidney/Proximal tubule cells	Rat/human	[7]
miR-128-3p	Targets p70s6k1	Adverse to recover from I/R injury	Heart/cardiomyocytes	Rat/Human	[8]
miR-125b-5p	-	Signature of acute ischemic stroke	Plasma	Human	[9]
	-	Biomarkers in cerebral ischemic tolerance and neuroregeneration	Cerebrum	Mouse	[10]
	-	Signature of I/R injury	Kidney	Rat	[11]
	Reduces autophagic flux via modulating p53-Bnip3 signaling	Protection from myocardial infarction	Heart/ cardiomyocytes	Mouse	[12]
	Blocks Bax/Cytochrome C/Caspase-3 apoptotic signaling pathway by targeting p53	Protection from I/R injury	Cerebrum	Rat	[13]
	Targets p53-mediated apoptotic signalling and TRAF6-mediated NF- κ B activation .	Protection from I/R injury	Heart	Mouse	[14]
	Targets cystathionine β -synthase/hydrogen sulfide pathway	Deteriorates to oxygen and glucose deprivation injury	Cerebrum/pheochromocytoma cells	Rat	[15]
	Regulating the CK2 α /NADPH oxidative signaling pathway	Deteriorates to I/R injury	Cerebrum/pheochromocytoma cells	Rat	[16]
miR-138-5p	Targets SIRT1	Impairs learning and memory abilities after cerebral I/R injury	Cerebrum/hippocampus primary neurons	Rat	[17]
	Inhibits the JNK and p38MAPK pathways	Protection from hypoxia-induced injury	neural stem cells	Rat	[18]
	Targets Lcn2	Protection from I/R injury	Cerebrum/pheochromocytoma cells	Rat	[19]
	Targets Lcn2	Protection from hypoxia-induced injury	Cardiomyocytes	Mouse	[20]
	Modulation of glucose metabolism by targeting PDK1	Protection from hypoxia-induced injury	human cardiac cells	Human	[21]
	Inhibits the MLK3/JNK/c-jun pathway	Protection from hypoxia-induced injury	Heart/embryonic rat heart-derived H9C2 cells, human renal epithelial-derived 293T cells	Human/Rat	[22]
	Targets Mst1 and regulates the Akt signalling pathway	Contributes to hypoxic pulmonary vascular remodelling	Lung/pulmonary artery smooth muscle cells	Rat	[23]

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