

**Table S3** Differentially expressed miRNAs

miRNA	logFC	logCPM	P value	FDR
hsa-mir-486-1	-3.549076922	7.239792522	1.10E-104	7.38E-102
hsa-mir-486-2	-3.541757792	7.23094464	1.63E-101	5.48E-99
hsa-mir-4732	-3.475621471	0.341863231	5.15E-65	5.77E-63
hsa-mir-144	-3.176354049	7.740125524	1.33E-81	2.99E-79
hsa-mir-451a	-2.776508104	9.858142049	4.41E-56	2.97E-54
hsa-mir-184	-2.73388336	3.576729823	2.84E-24	3.98E-23
hsa-mir-143	-2.474794351	16.87533704	7.37E-73	9.90E-71
hsa-mir-7641-2	-2.252379508	-0.500547107	4.93E-11	2.46E-10
hsa-mir-1-2	-2.228489484	3.173159558	5.69E-32	1.23E-30
hsa-mir-133b	-2.215563241	0.92314766	5.47E-26	8.54E-25
hsa-mir-1-1	-2.192375029	3.103762397	1.47E-30	2.91E-29
hsa-mir-607	-2.186416307	-0.49604795	3.46E-29	6.46E-28
hsa-mir-490	-2.138963414	0.218045478	3.08E-10	1.44E-09
hsa-mir-139	-2.120298572	6.109157279	7.72E-59	5.77E-57
hsa-mir-195	-2.082399445	5.695959487	1.13E-75	1.91E-73
hsa-mir-6892	-2.004348561	1.833202486	4.59E-44	1.93E-42
hsa-mir-450a-1	2.014010509	2.38531068	1.15E-18	9.67E-18
hsa-mir-4658	2.050913085	-0.484204439	1.73E-05	4.19E-05
hsa-mir-541	2.059169344	0.510838492	0.00017802	0.000370369
hsa-mir-937	2.064467738	2.872773434	1.07E-10	5.27E-10
hsa-mir-556	2.075566183	0.385682984	3.93E-12	2.13E-11
hsa-mir-194-2	2.103972144	9.079765762	2.35E-07	7.32E-07
hsa-mir-376b	2.116265544	0.850580695	1.67E-09	7.03E-09
hsa-mir-345	2.127567947	4.36401529	3.65E-23	4.81E-22
hsa-mir-6728	2.14326335	-0.315329939	1.08E-07	3.51E-07
hsa-mir-4724	2.143333557	0.722920303	2.36E-11	1.21E-10
hsa-mir-142	2.16966105	11.45012268	5.66E-25	8.45E-24
hsa-mir-200a	2.170578484	9.885188929	1.65E-28	3.01E-27
hsa-mir-579	2.182486175	0.239967582	6.34E-13	3.77E-12
hsa-mir-4766	2.185554344	-0.398135445	5.29E-09	2.01E-08
hsa-mir-449a	2.194422015	2.994866327	1.37E-05	3.42E-05
hsa-mir-3662	2.197968626	-0.554895415	3.81E-07	1.17E-06
hsa-mir-3664	2.272701079	-0.019281536	7.43E-10	3.24E-09
hsa-mir-182	2.27499865	14.5426738	2.09E-35	5.40E-34
hsa-mir-552	2.278209455	4.094925577	9.30E-05	0.00020031
hsa-mir-519a-1	2.288199012	3.01982492	0.000300964	0.000612873
hsa-mir-224	2.299109898	5.889990025	5.20E-16	3.88E-15
hsa-mir-5571	2.304885626	-0.140730644	1.58E-09	6.72E-09

hsa-mir-6510	2.319185959	1.711089662	7.65E-08	2.53E-07
hsa-mir-548f-1	2.325390281	-0.238875143	0.000362756	0.000724622
hsa-mir-466	2.376860355	-0.400037793	4.58E-06	1.21E-05
hsa-mir-7112	2.381183151	-0.644887993	1.40E-05	3.49E-05
hsa-mir-662	2.392596173	-0.59009698	8.55E-05	0.00018466
hsa-mir-513c	2.408662469	-0.30765725	2.35E-05	5.53E-05
hsa-mir-615	2.415941891	1.532383928	8.55E-07	2.49E-06
hsa-mir-3136	2.47954447	0.129754309	4.31E-16	3.25E-15
hsa-mir-548v	2.506332302	1.407792628	3.48E-16	2.66E-15
hsa-mir-6715a	2.558367509	-0.068508912	1.51E-05	3.69E-05
hsa-mir-187	2.573816898	5.12302	5.98E-12	3.14E-11
hsa-mir-183	2.579080091	13.53506626	7.78E-38	2.18E-36
hsa-mir-4668	2.598905781	1.222648483	4.87E-27	7.99E-26
hsa-mir-3161	2.610340002	-0.410491301	3.10E-05	7.14E-05
hsa-mir-519a-2	2.622234973	3.397420272	0.001909336	0.003449124
hsa-mir-194-1	2.62480477	8.954269198	5.12E-10	2.31E-09
hsa-mir-33b	2.63079017	2.371363138	5.68E-23	7.34E-22
hsa-mir-3617	2.633553316	0.162303799	2.81E-09	1.14E-08
hsa-mir-489	2.634622585	0.713247498	5.66E-08	1.88E-07
hsa-mir-216b	2.644328582	0.118082236	3.79E-06	1.02E-05
hsa-mir-514b	2.65250053	-0.202129689	0.000141962	0.000298121
hsa-mir-503	2.669107842	3.304894111	1.62E-24	2.37E-23
hsa-mir-3170	2.698473247	0.706150205	7.78E-19	6.88E-18
hsa-mir-4664	2.727820073	0.023907684	1.41E-12	8.23E-12
hsa-mir-301a	2.729130222	4.060602262	4.33E-31	9.10E-30
hsa-mir-6860	2.735855912	-0.509902337	1.09E-06	3.12E-06
hsa-mir-323a	2.762345668	2.503548699	3.45E-09	1.36E-08
hsa-mir-1251	2.766908971	0.858350932	1.58E-06	4.45E-06
hsa-mir-892a	2.800988321	-0.079549324	7.80E-05	0.000170218
hsa-mir-891a	2.816538076	3.622462008	7.88E-09	2.93E-08
hsa-mir-522	2.865168944	3.177384247	0.001216522	0.002239733
hsa-mir-616	2.868009434	2.012368734	3.14E-22	3.83E-21
hsa-mir-1911	2.868742341	3.137413187	0.00035804	0.000718217
hsa-mir-96	2.921890226	4.790913628	1.21E-44	5.81E-43
hsa-mir-6850	2.925781866	-0.637454816	2.53E-06	6.94E-06
hsa-mir-708	2.93858598	6.86738463	3.02E-43	1.19E-41
hsa-mir-205	2.979998846	9.065556353	6.62E-10	2.93E-09
hsa-mir-527	2.987804505	1.290279684	0.00552414	0.00921536
hsa-mir-192	3.001749646	11.28758262	1.06E-11	5.52E-11
hsa-mir-135b	3.00798826	6.182035933	1.30E-27	2.24E-26

hsa-mir-518a-1	3.055731013	1.186591135	0.00567061	0.009385836
hsa-mir-539	3.14438329	2.876059641	6.45E-15	4.51E-14
hsa-mir-215	3.16511543	5.603561433	6.43E-10	2.86E-09
hsa-mir-3189	3.255291193	0.405931954	3.53E-12	1.93E-11
hsa-mir-520f	3.278695178	1.316375173	0.005133644	0.008667862
hsa-mir-3607	3.335741091	5.73435307	9.25E-23	1.15E-21
hsa-mir-518f	3.367607177	1.906521949	0.005550351	0.009232266
hsa-mir-449b	3.379333024	1.190323493	7.21E-07	2.13E-06
hsa-mir-512-2	3.393388755	2.084461887	0.002775358	0.004882305
hsa-mir-449c	3.41355217	0.308260139	4.10E-07	1.25E-06
hsa-mir-675	3.471450327	5.910738635	1.74E-09	7.22E-09
hsa-mir-520c	3.513854766	0.320973265	0.00236683	0.004218859
hsa-mir-512-1	3.53505614	2.083721699	0.002224378	0.003996744
hsa-mir-196b	3.636060212	6.976132784	1.24E-14	8.52E-14
hsa-mir-521-1	3.698489208	1.780540531	0.00128409	0.002351249
hsa-mir-323b	3.704755758	3.018428536	1.49E-12	8.62E-12
hsa-mir-301b	3.758486051	1.510047163	6.94E-23	8.80E-22
hsa-mir-6744	3.802083624	-0.087592393	3.13E-08	1.07E-07
hsa-mir-548y	3.839516196	-0.418550812	4.55E-07	1.38E-06
hsa-mir-153-2	4.143206105	4.321536876	1.56E-30	3.00E-29
hsa-mir-147b	4.497830067	1.781402211	2.22E-26	3.55E-25
hsa-mir-137	4.58286988	1.408779055	8.45E-14	5.62E-13
hsa-mir-31	4.647968248	4.444908526	1.09E-18	9.30E-18
hsa-mir-1293	4.95810249	0.61188867	1.51E-13	9.46E-13
hsa-mir-4652	4.998879403	1.318956885	2.57E-14	1.73E-13
hsa-mir-9-3	5.046385181	10.07379741	6.50E-24	8.74E-23
hsa-mir-9-2	5.059925878	10.07268953	5.31E-24	7.29E-23
hsa-mir-9-1	5.126577476	10.07188502	2.11E-24	3.01E-23
hsa-mir-577	5.20270781	3.094055317	1.44E-25	2.20E-24
hsa-mir-210	5.210272814	10.11602095	1.86E-59	1.56E-57
hsa-mir-4788	5.288177706	3.727498668	3.56E-09	1.40E-08
hsa-mir-1269a	5.492117209	7.177586581	5.48E-12	2.92E-11
hsa-mir-373	5.499517437	1.852393504	3.07E-06	8.33E-06
hsa-mir-196a-1	5.873081351	5.888833749	5.00E-19	4.48E-18
hsa-mir-122	6.145811708	1.913882818	8.03E-07	2.36E-06
hsa-mir-196a-2	6.292796298	6.001493237	5.70E-21	6.60E-20
hsa-mir-1269b	6.299490911	3.813332878	2.05E-08	7.18E-08
hsa-mir-767	6.455664112	4.703806234	3.36E-10	1.54E-09
hsa-mir-105-2	6.813083199	4.883592723	4.81E-11	2.41E-10
hsa-mir-371a	6.930230254	3.084975431	1.48E-06	4.17E-06

hsa-mir-105-1	7.011076956	4.882238268	2.87E-11	1.46E-10
hsa-mir-372	7.437105993	5.948381452	2.82E-09	1.14E-08

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