

MiR-19b-3p promotes colorectal cancer growth and metastasis

Supplementary Table 1. Significant miRNA expression profiles in normal tissues compared to colorectal cancer

Name	id	Base Mean	Base Mean A	Base Mean B	Fold Change	log2 Fold Change	Pval	Padj
hsa-miR-3195	629	25.91255	701.4833	13.3145	0.01898	-5.71934	2.37E-05	0.000293
hsa-miR-486-5p	1454	296.997	7709.552	158.7675	0.020594	-5.60166	9.71E-15	7.46E-13
hsa-miR-139-3p	226	32.24175	781.4074	18.27129	0.023383	-5.41842	9.05E-19	1.31E-16
hsa-miR-328-3p	653	82.10105	1942.38	47.41052	0.024408	-5.35647	5.10E-39	1.26E-35
hsa-miR-139-5p	227	91.8201	1906.706	57.97607	0.030406	-5.03948	3.86E-30	2.37E-27
hsa-miR-6511b-3p	1978	5.226469	103.1142	3.401056	0.032983	-4.92212	1.10E-27	4.52E-25
hsa-miR-6511a-3p	1976	8.195837	156.1021	5.437679	0.034834	-4.84335	1.58E-30	1.30E-27
hsa-miR-197-3p	347	313.8414	5951.1	208.7177	0.035072	-4.83353	7.65E-38	9.41E-35
hsa-miR-129-5p	181	14.29499	248.3588	9.930166	0.039983	-4.64446	3.21E-06	4.84E-05
hsa-miR-1224-5p	65	6.915863	113.1099	4.935555	0.043635	-4.51837	0.005805	0.035522
hsa-miR-187-3p	304	7.170571	116.46	5.132541	0.044071	-4.50402	0.002746	0.018507
hsa-miR-766-3p	2443	25.10778	385.0006	18.39649	0.047783	-4.38736	1.46E-25	4.50E-23
hsa-miR-642b-5p	1943	6.529753	94.88033	4.88219	0.051456	-4.28051	9.16E-25	2.25E-22
hsa-miR-642a-5p	1941	7.166034	103.7212	5.365471	0.05173	-4.27286	6.56E-27	2.31E-24
hsa-miR-1306-5p	196	20.11679	284.5236	15.18613	0.053374	-4.22772	2.82E-23	5.78E-21
hsa-miR-194-3p	337	951.5085	13263.77	721.9092	0.054427	-4.19953	8.59E-28	4.22E-25
hsa-let-7d-3p	8	421.8525	5759.314	322.3194	0.055965	-4.15933	3.45E-25	9.42E-23
hsa-miR-149-5p	256	42.36008	561.6529	32.6763	0.058179	-4.10336	8.21E-14	5.61E-12
hsa-miR-4532	1153	24.01759	316.2576	18.5679	0.058711	-4.09022	0.000438	0.003859
hsa-miR-125a-5p	114	524.996	6907.581	405.9734	0.058772	-4.08872	1.32E-23	2.95E-21
hsa-miR-490-3p	1463	8.69307	112.9091	6.749647	0.059779	-4.06421	4.65E-05	0.00053
hsa-miR-133a-3p	209	47.40008	594.4515	37.19866	0.062576	-3.99824	2.23E-08	6.68E-07
hsa-miR-671-3p	2021	5.980782	73.26626	4.726041	0.064505	-3.95444	2.30E-18	3.14E-16
hsa-miR-195-3p	339	5.627187	68.02997	4.463498	0.065611	-3.92992	5.55E-17	6.20E-15
hsa-miR-3656	734	44.34642	521.7528	35.44374	0.067932	-3.87976	2.03E-06	3.25E-05
hsa-miR-378a-5p	827	403.4314	4719.868	322.9384	0.068421	-3.86942	3.47E-22	6.57E-20
hsa-miR-193b-5p	336	8.04803	92.21883	6.478411	0.07025	-3.83135	6.89E-18	8.47E-16
hsa-miR-1180-3p	41	33.60934	385.0688	27.05532	0.070261	-3.83113	2.52E-19	4.04E-17
hsa-miR-1226-3p	69	3.509023	39.5984	2.836027	0.07162	-3.8035	7.34E-14	5.16E-12
hsa-miR-1296-5p	183	14.1093	159.0752	11.40597	0.071702	-3.80185	6.65E-15	5.45E-13
hsa-miR-145-5p	239	8152.049	86575.07	6689.615	0.07727	-3.69396	1.81E-11	8.39E-10
hsa-miR-150-5p	258	1386.199	14495.9	1141.729	0.078762	-3.66635	3.54E-21	6.22E-19
hsa-miR-3615	705	6.401324	66.1447	5.287229	0.079934	-3.64504	3.11E-15	2.84E-13
hsa-miR-181a-5p	286	2146.552	21790.22	1780.237	0.081699	-3.61354	2.63E-19	4.04E-17
hsa-miR-744-5p	2431	58.42131	589.8287	48.51162	0.082247	-3.60389	1.94E-16	1.99E-14
hsa-miR-150-3p	257	7.160982	72.06157	5.950715	0.082578	-3.5981	6.95E-15	5.52E-13
hsa-miR-574-3p	1816	91.68594	918.7596	76.26265	0.083006	-3.59064	6.01E-17	6.43E-15
hsa-miR-6724-5p	2037	3.759868	36.64197	3.146682	0.085876	-3.54159	3.26E-12	1.67E-10
hsa-let-7b-5p	5	13437.72	129370.9	11275.8	0.087159	-3.52021	9.80E-18	1.15E-15
hsa-miR-423-3p	911	179.8016	1605.537	153.2144	0.095429	-3.38943	9.94E-16	9.40E-14
hsa-miR-146b-3p	245	89.75184	782.0266	76.84229	0.09826	-3.34725	5.48E-16	5.39E-14
hsa-miR-7706	2454	4.894643	42.47602	4.193825	0.098734	-3.34031	1.67E-12	8.94E-11
hsa-miR-193a-5p	334	369.2766	3179.979	316.8626	0.099643	-3.32709	2.70E-13	1.75E-11
hsa-let-7b-3p	4	109.8896	942.4216	94.36452	0.10013	-3.32006	1.02E-14	7.63E-13
hsa-miR-532-3p	1632	72.79012	618.8993	62.60627	0.101157	-3.30533	6.66E-14	4.82E-12
hsa-miR-324-3p	648	28.83194	242.7887	24.84207	0.10232	-3.28884	9.08E-14	6.03E-12
hsa-miR-326	652	82.30884	692.3833	70.93216	0.102446	-3.28706	1.14E-12	6.53E-11
hsa-miR-1307-3p	197	3169.658	26535.96	2733.923	0.103027	-3.2789	6.54E-15	5.45E-13

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hsa-miR-92b-3p	2548	87.95365	725.5736	76.0633	0.104832	-3.25385	3.60E-13	2.27E-11
hsa-miR-1268b	131	12.62176	102.4199	10.94721	0.106886	-3.22586	1.17E-12	6.54E-11
hsa-miR-3127-5p	530	22.13094	177.5766	19.23218	0.108304	-3.20685	9.46E-13	5.68E-11
hsa-miR-342-5p	676	9.220269	73.88078	8.014479	0.108479	-3.20452	2.61E-12	1.37E-10
hsa-miR-2110	389	3.965436	31.06439	3.460094	0.111385	-3.16638	6.02E-09	2.03E-07
hsa-miR-3150b-3p	563	6.166556	47.54828	5.394869	0.113461	-3.13973	6.31E-08	1.63E-06
hsa-miR-1273h-3p	145	8.64038	65.41483	7.581649	0.115901	-3.10903	1.51E-12	8.27E-11
hsa-miR-375	816	73470.47	549550.1	64592.53	0.117537	-3.08881	9.95E-13	5.83E-11
hsa-miR-1268a	130	20.97387	155.2252	18.47035	0.118991	-3.07108	1.42E-11	6.73E-10
hsa-miR-133b	211	5.816792	42.2219	5.137909	0.121688	-3.03874	0.000843	0.006873
hsa-miR-5010-3p	1506	4.134032	29.62536	3.658669	0.123498	-3.01744	6.28E-08	1.63E-06
hsa-miR-7641	2441	953.8713	6822.903	844.4255	0.123763	-3.01434	2.45E-06	3.81E-05
hsa-miR-3142	551	4.206985	29.93022	3.727297	0.124533	-3.0054	0.000258	0.002409
hsa-let-7c-5p	7	14017.04	98695.44	12437.95	0.126024	-2.98823	1.18E-11	5.82E-10
hsa-miR-99b-5p	2578	20468.29	143837.3	18167.71	0.126307	-2.98499	8.49E-11	3.60E-09
hsa-miR-296-5p	469	9.962774	69.17026	8.858672	0.128071	-2.96499	1.89E-06	3.09E-05
hsa-miR-23a-5p	440	10.68558	73.77321	9.509122	0.128897	-2.95571	3.36E-08	9.49E-07
hsa-miR-4286	952	59.13546	405.8757	52.66944	0.129767	-2.946	2.08E-11	9.50E-10
hsa-miR-7704	2451	13.09205	88.93473	11.67774	0.131307	-2.92899	0.000201	0.001929
hsa-miR-3653	731	23.66718	159.3201	21.13752	0.132673	-2.91405	3.36E-06	5.01E-05
hsa-miR-361-3p	702	233.5454	1571.488	208.5954	0.132737	-2.91335	2.99E-11	1.31E-09
hsa-miR-193b-3p	335	30.08676	199.3063	26.93115	0.135124	-2.88764	5.50E-10	2.11E-08
hsa-miR-4492	1092	4.672774	30.0988	4.198629	0.139495	-2.84172	0.002814	0.018865
hsa-miR-432-5p	996	13.99142	88.79458	12.59649	0.141861	-2.81745	2.38E-08	6.96E-07
hsa-miR-6892-5p	2374	5.212119	32.87253	4.696308	0.142864	-2.80728	1.64E-06	2.72E-05
hsa-let-7e-3p	10	8.306276	49.83342	7.531877	0.151141	-2.72603	3.39E-07	6.89E-06
hsa-miR-484	1450	169.4388	1006.272	153.8335	0.152875	-2.70958	1.46E-09	5.19E-08
hsa-miR-1260a	118	164.1607	962.1947	149.279	0.155144	-2.68832	3.55E-08	9.80E-07
hsa-miR-874-3p	2517	53.64413	306.5116	48.92865	0.159631	-2.64719	1.51E-08	4.69E-07
hsa-miR-125b-5p	117	472.2057	2693.844	430.7765	0.159911	-2.64465	9.48E-08	2.24E-06
hsa-miR-6842-3p	2277	8.302347	46.86734	7.583186	0.161801	-2.62771	1.14E-06	1.98E-05
hsa-miR-30c-2-3p	506	24.48187	137.9223	22.36643	0.162167	-2.62445	2.75E-07	5.88E-06
hsa-miR-219a-1-3p	416	5.247507	29.44282	4.796312	0.162903	-2.61792	2.83E-07	6.01E-06
hsa-miR-574-5p	1817	56.7917	317.971	51.92123	0.163289	-2.6145	4.79E-08	1.29E-06
hsa-miR-99b-3p	2577	44.13884	246.4456	40.36622	0.163794	-2.61005	8.47E-08	2.05E-06
hsa-miR-378a-3p	826	2876.293	15754.58	2636.138	0.167325	-2.57927	1.87E-08	5.74E-07
hsa-miR-941	2563	22.55735	123.3881	20.67706	0.167577	-2.5771	1.97E-07	4.28E-06
hsa-miR-15b-5p	278	460.7649	2518.988	422.3831	0.16768	-2.57622	1.91E-08	5.81E-07
hsa-miR-3605-3p	690	9.706167	52.24242	8.91295	0.170608	-2.55125	5.48E-07	1.05E-05
hsa-miR-3928-3p	874	3.592234	18.99619	3.304981	0.173981	-2.523	2.41E-06	3.77E-05
hsa-miR-1468-5p	241	12.3878	65.02337	11.40625	0.175418	-2.51113	2.89E-07	6.08E-06
hsa-miR-1260b	119	156.0927	813.6991	143.8296	0.17676	-2.50013	1.03E-06	1.82E-05
hsa-miR-370-3p	798	8.619851	44.65858	7.947801	0.177968	-2.49031	3.44E-06	5.10E-05
hsa-miR-7977	2474	5.347183	27.6041	4.932136	0.178674	-2.4846	0.000437	0.003859
hsa-miR-654-5p	1997	6.679729	34.15161	6.167433	0.18059	-2.46921	1.11E-06	1.94E-05
hsa-miR-1273h-5p	146	4.899958	24.67781	4.53114	0.183612	-2.44527	1.20E-06	2.04E-05
hsa-miR-589-5p	1840	132.8953	665.4246	122.9646	0.184791	-2.43603	3.35E-07	6.87E-06
hsa-miR-629-3p	1926	15.18984	74.7693	14.0788	0.188296	-2.40892	1.84E-07	4.08E-06
hsa-miR-937-3p	2556	9.457574	45.24184	8.790268	0.194295	-2.36368	7.29E-06	0.000101
hsa-miR-377-5p	825	4.245566	20.08042	3.950277	0.196723	-2.34576	0.000149	0.001505
hsa-miR-92a-3p	2547	23315.85	108179	21733.32	0.200901	-2.31544	1.41E-06	2.38E-05
hsa-miR-29b-2-5p	477	35.25288	162.902	32.87247	0.201793	-2.30905	1.36E-06	2.31E-05

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hsa-miR-939-5p	2560	5.091265	23.45382	4.74884	0.202476	-2.30418	3.40E-05	0.0004
hsa-miR-3614-5p	704	10.10058	46.34806	9.424637	0.203345	-2.298	1.31E-05	0.000168
hsa-miR-132-3p	206	253.1919	1082.849	237.7204	0.219532	-2.18749	5.93E-06	8.33E-05
hsa-miR-3074-5p	500	18.39725	78.06426	17.28458	0.221415	-2.17518	7.45E-06	0.000102
hsa-miR-140-3p	228	709.1641	3006.666	666.3203	0.221614	-2.17388	7.15E-06	9.93E-05
hsa-miR-125b-2-3p	116	4.776723	19.96946	4.493408	0.225014	-2.15191	0.000894	0.007213
hsa-miR-652-3p	1992	60.75837	253.0108	57.17324	0.225972	-2.14579	3.98E-06	5.75E-05
hsa-miR-185-3p	300	6.561655	27.23486	6.17614	0.226773	-2.14068	0.00018	0.001757
hsa-miR-4746-5p	1352	8.553894	35.20079	8.056982	0.228886	-2.1273	3.43E-05	0.000401
hsa-miR-1247-5p	96	120.5349	486.6075	113.7084	0.233676	-2.09742	0.000139	0.001423
hsa-miR-877-5p	2524	6.236984	24.64999	5.893618	0.239092	-2.06436	0.000253	0.002376
hsa-miR-331-3p	659	31.4319	122.9842	29.72464	0.241695	-2.04874	4.22E-05	0.000483
hsa-miR-431-3p	981	23.75834	92.71209	22.47249	0.24239	-2.0446	0.00019	0.001845
hsa-miR-423-5p	912	55.97321	216.4412	52.9808	0.244782	-2.03043	0.000171	0.001687
hsa-miR-339-5p	668	109.532	417.2508	103.7937	0.248756	-2.0072	2.45E-05	0.000301
hsa-miR-320a	638	627.8297	2339.304	595.9141	0.25474	-1.9729	6.76E-05	0.000749
hsa-miR-491-5p	1466	3.95618	14.57491	3.758161	0.257851	-1.95539	0.002638	0.017829
hsa-miR-323a-3p	643	3.999895	14.58794	3.802449	0.260657	-1.93978	0.001316	0.010076
hsa-miR-191-3p	325	18.89524	67.29973	17.9926	0.26735	-1.9032	5.01E-05	0.000565
hsa-miR-128-1-5p	156	17.58859	62.45578	16.75191	0.26822	-1.89851	0.000227	0.002144
hsa-miR-503-3p	1514	3.869819	13.68829	3.686724	0.269334	-1.89253	0.00408	0.02607
hsa-miR-330-3p	657	7.363408	25.82285	7.019175	0.27182	-1.87927	0.000925	0.007366
hsa-miR-200c-3p	364	9833.096	33831.85	9385.567	0.277418	-1.84987	0.00018	0.001757
hsa-miR-214-3p	403	19.15192	64.97926	18.29733	0.281587	-1.82835	0.000937	0.007416
hsa-miR-505-5p	1520	16.71789	56.0949	15.98359	0.284938	-1.81128	0.000516	0.004483
hsa-miR-324-5p	649	43.30729	145.0309	41.41035	0.285528	-1.8083	0.000193	0.001861
hsa-miR-127-3p	147	1096.213	3635.633	1048.858	0.288494	-1.79339	0.000632	0.005344
hsa-miR-4326	997	19.57168	63.8683	18.74564	0.293505	-1.76855	0.000774	0.006429
hsa-miR-378i	835	376.7219	1170.792	361.9141	0.309119	-1.69377	0.000711	0.005993
hsa-miR-1266-5p	128	63.23403	195.9807	60.75857	0.310023	-1.68955	0.000593	0.005029
hsa-miR-18a-3p	308	5.806211	17.96418	5.579489	0.31059	-1.68692	0.001665	0.012414
hsa-miR-1301-3p	188	10.1356	30.62769	9.753463	0.318452	-1.65085	0.002951	0.019621
hsa-miR-378c	829	376.6414	1122.943	362.7244	0.323012	-1.63034	0.001257	0.009663
hsa-let-7i-3p	17	128.09	381.4153	123.366	0.323443	-1.62842	0.000745	0.006235
hsa-miR-338-5p	666	16.426	48.38367	15.83005	0.327178	-1.61185	0.005305	0.033041
hsa-miR-342-3p	675	96.49705	283.6436	93.00714	0.327901	-1.60867	0.000796	0.00657
hsa-miR-320b	639	530.7052	1552.19	511.6566	0.329635	-1.60106	0.001873	0.013438
hsa-miR-181b-5p	288	340.1672	988.4352	328.0783	0.331917	-1.59111	0.00117	0.009038
hsa-miR-505-3p	1519	120.2167	346.5526	115.996	0.334714	-1.579	0.001748	0.012835
hsa-miR-3934-5p	878	3.780528	10.5751	3.653822	0.345512	-1.53319	0.00804	0.047314
hsa-miR-106b-3p	31	992.1591	2760.605	959.1811	0.347453	-1.52511	0.004111	0.026133
hsa-miR-3130-5p	535	11.5858	32.17941	11.20177	0.348103	-1.52241	0.007197	0.043076
hsa-miR-200b-5p	363	226.4931	616.7961	219.2148	0.355409	-1.49245	0.003173	0.020851
hsa-miR-455-3p	1165	622.7586	1554.322	605.3868	0.389486	-1.36036	0.006517	0.039391
hsa-miR-664a-3p	2012	34.88704	86.04483	33.93305	0.394365	-1.3424	0.007215	0.043078
hsa-miR-30e-5p	511	10047.43	1979.507	10197.88	5.151726	2.365056	0.005255	0.032808
hsa-miR-218-5p	415	39.07111	6.802227	39.67286	5.832335	2.544074	0.003597	0.023164
hsa-miR-10b-5p	37	137003.2	23387.21	139121.9	5.948633	2.572558	0.002965	0.019657
hsa-miR-152-3p	262	349.014	59.45517	354.4137	5.961023	2.57556	0.002072	0.014608
hsa-miR-451a	1130	695.1483	118.347	705.9045	5.964704	2.57645	0.002367	0.016401
hsa-miR-10a-5p	35	146523	24891.25	148791.2	5.977652	2.579579	0.002945	0.019621
hsa-miR-338-3p	665	1146.718	189.9488	1164.56	6.130916	2.616103	0.002411	0.016613

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hsa-miR-21-3p	402	2293.771	362.673	2329.782	6.423918	2.683453	0.002401	0.016589
hsa-miR-10a-3p	34	20.4245	3.106106	20.74745	6.679571	2.739755	0.004843	0.030395
hsa-miR-22-5p	430	56.88366	8.417513	57.78746	6.865147	2.779291	0.001833	0.013344
hsa-miR-183-5p	298	21744.03	3172.543	22090.35	6.962978	2.799704	0.001172	0.009038
hsa-miR-192-5p	332	181691	25831.69	184597.5	7.146163	2.837169	0.001853	0.013438
hsa-miR-26b-5p	459	2041.818	289.8145	2074.49	7.157992	2.839555	0.000813	0.006692
hsa-miR-3677-3p	764	19.89858	2.738012	20.21859	7.384407	2.884482	0.005695	0.034939
hsa-miR-337-3p	663	32.54284	4.428856	33.06711	7.466287	2.900391	0.003332	0.021628
hsa-miR-598-3p	1851	34.95979	4.754345	35.52306	7.471704	2.901437	0.002317	0.0161
hsa-miR-185-5p	301	124.7783	16.93777	126.7893	7.485595	2.904117	0.001439	0.010928
hsa-miR-199a-3p	351	3749.697	480.6404	3810.659	7.928294	2.98701	0.000917	0.00735
hsa-miR-199b-3p	353	3749.697	480.6404	3810.659	7.928294	2.98701	0.000917	0.00735
hsa-miR-30b-5p	504	810.229	93.21965	823.5998	8.835045	3.143237	0.000456	0.004007
hsa-miR-193a-3p	333	19.1093	2.147505	19.4256	9.045662	3.177226	0.001678	0.012466
hsa-miR-223-5p	426	9.867993	0.962526	10.03406	10.42471	3.381936	0.003026	0.020009
hsa-miR-195-5p	340	80.54483	7.849763	81.90045	10.43349	3.38315	0.000311	0.00288
hsa-miR-455-5p	1166	38.05734	3.500182	38.70176	11.05707	3.466898	0.000286	0.002655
hsa-miR-126-3p	123	1800.668	159.6419	1831.269	11.4711	3.519932	0.000112	0.001182
hsa-miR-17-5p	283	1076.097	92.82846	1094.433	11.78985	3.559473	0.000165	0.001639
hsa-miR-7-1-3p	2402	89.55108	7.625556	91.07882	11.94389	3.578201	0.000182	0.001771
hsa-miR-660-5p	2007	112.3921	9.467646	114.3115	12.07391	3.593821	0.000139	0.001423
hsa-miR-15b-3p	277	47.42316	3.960854	48.23364	12.17758	3.606156	0.000353	0.00318
hsa-miR-148a-3p	251	90921.89	7544.823	92476.71	12.25698	3.615531	0.000145	0.001469
hsa-miR-106a-5p	30	738.3902	59.79972	751.0445	12.55933	3.650688	0.000137	0.001413
hsa-miR-199b-5p	354	252.6002	20.34823	256.9312	12.62671	3.658407	7.11E-05	0.000781
hsa-miR-127-5p	149	596.8146	48.06226	607.0477	12.63045	3.658834	9.93E-05	0.001057
hsa-miR-217	412	90.86857	7.164997	92.42947	12.90014	3.689315	0.000759	0.006329
hsa-miR-188-5p	307	15.98609	1.251859	16.26085	12.98937	3.699259	0.000924	0.007366
hsa-miR-200a-3p	360	800.157	59.29697	813.9726	13.72705	3.77895	7.53E-05	0.000824
hsa-miR-140-5p	229	104.068	7.184831	105.8746	14.73586	3.881259	6.17E-05	0.000687
hsa-miR-376a-3p	818	7.232895	0.481263	7.3588	15.29059	3.934572	0.003342	0.021637
hsa-miR-379-5p	838	1867.398	121.8397	1899.949	15.59385	3.962905	1.88E-05	0.000236
hsa-miR-552-3p	1730	101.9181	6.587911	103.6959	15.74032	3.976393	5.15E-05	0.000578
hsa-miR-374b-5p	813	167.3001	10.75684	170.2193	15.82429	3.984069	2.97E-05	0.000358
hsa-miR-16-5p	281	1160.917	72.34482	1181.216	16.32759	4.02924	3.40E-05	0.0004
hsa-miR-301a-5p	483	17.04604	1.058429	17.34418	16.38672	4.034455	0.001428	0.010873
hsa-miR-29a-5p	475	32.53858	1.884352	33.11023	17.57114	4.135136	0.000167	0.001651
hsa-miR-16-1-3p	279	10.54332	0.599242	10.72876	17.90389	4.162201	0.00252	0.017219
hsa-miR-19b-1-5p	357	32.25181	1.81228	32.81945	18.10948	4.178673	0.000153	0.001532
hsa-miR-24-2-5p	445	61.72163	3.402578	62.80916	18.45929	4.206275	2.80E-05	0.000339
hsa-miR-889-3p	2531	19.89042	1.07995	20.2412	18.74271	4.228258	0.00012	0.001253
hsa-miR-215-5p	406	5175.577	272.1843	5267.016	19.35091	4.27433	7.54E-06	0.000103
hsa-miR-411-5p	906	21.6218	1.117696	22.00416	19.68707	4.299177	0.000398	0.003563
hsa-miR-2355-5p	437	75.57241	3.818884	76.91047	20.13951	4.331957	2.32E-05	0.000289
hsa-miR-203a	368	33469.95	1635.819	34063.6	20.82358	4.380146	8.23E-06	0.000112
hsa-miR-335-3p	661	308.211	14.46693	313.6888	21.68316	4.438503	1.15E-05	0.000152
hsa-miR-1307-5p	198	1383.651	63.24947	1408.274	22.26539	4.476731	8.74E-06	0.000118
hsa-miR-16-2-3p	280	11.92617	0.531814	12.13866	22.82498	4.512542	0.001542	0.011598
hsa-miR-29b-3p	478	2310.667	102.8291	2351.839	22.87134	4.515469	3.68E-06	5.40E-05
hsa-miR-101-5p	23	15.11131	0.636226	15.38124	24.17576	4.595489	0.000496	0.004339
hsa-miR-452-5p	1145	258.9823	10.63358	263.6135	24.79066	4.631725	5.15E-06	7.28E-05
hsa-miR-106b-5p	32	713.1934	27.68836	725.9767	26.21956	4.712572	1.95E-06	3.16E-05
hsa-miR-503-5p	1515	23.74346	0.858469	24.17022	28.15503	4.815321	0.000136	0.00141

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hsa-miR-340-5p	674	32.00443	1.15468	32.57972	28.21537	4.81841	6.06E-05	0.000678
hsa-miR-582-5p	1830	26.33238	0.871829	26.80717	30.74818	4.942429	8.71E-05	0.00094
hsa-miR-20a-5p	384	1245.153	40.48084	1267.618	31.31401	4.968736	1.16E-06	1.99E-05
hsa-miR-141-5p	231	1790.025	57.23668	1822.339	31.83865	4.992707	9.56E-07	1.72E-05
hsa-miR-136-3p	220	10.04082	0.318113	10.22213	32.13366	5.006013	0.000888	0.007187
hsa-miR-4677-3p	1240	8.270769	0.259227	8.420168	32.48184	5.021562	0.002282	0.015902
hsa-miR-182-5p	295	39010.38	1219.708	39715.1	32.56115	5.02508	5.52E-07	1.05E-05
hsa-miR-141-3p	230	868.1016	26.8161	883.7899	32.95743	5.042532	1.06E-06	1.87E-05
hsa-miR-651-5p	1989	8.469031	0.259227	8.622127	33.26092	5.055756	0.001969	0.013961
hsa-miR-1	19	67.9064	2.001746	69.1354	34.53755	5.110094	0.002587	0.017578
hsa-miR-552-5p	1731	342.3273	9.635283	348.5313	36.1724	5.176817	6.79E-07	1.25E-05
hsa-miR-96-5p	2572	47.27156	1.272451	48.12935	37.82411	5.241234	1.04E-05	0.000138
hsa-miR-708-5p	2382	56.49566	1.516964	57.5209	37.91844	5.244828	3.87E-06	5.63E-05
hsa-miR-136-5p	221	64.73582	1.716176	65.91101	38.40574	5.26325	2.61E-06	4.03E-05
hsa-miR-222-5p	424	33.0569	0.872917	33.65706	38.55699	5.26892	1.52E-05	0.000195
hsa-miR-101-3p	22	9467.777	241.9745	9639.82	39.83816	5.316079	1.58E-07	3.56E-06
hsa-miR-708-3p	2381	83.74956	2.116858	85.27185	40.28227	5.332073	1.94E-06	3.16E-05
hsa-miR-144-5p	237	164.1136	4.122318	167.0971	40.53475	5.341087	3.00E-07	6.22E-06
hsa-miR-582-3p	1829	930.3941	23.0351	947.3145	41.12482	5.361937	1.06E-07	2.45E-06
hsa-miR-4791	1425	10.51081	0.259227	10.70198	41.28422	5.367518	0.00096	0.007565
hsa-let-7a-3p	2	93.25915	2.227938	94.9567	42.62089	5.413489	2.06E-06	3.25E-05
hsa-miR-429	956	327.0786	7.663613	333.0351	43.45667	5.441506	3.56E-07	7.17E-06
hsa-miR-203b-3p	369	539.8223	11.16712	549.6806	49.22312	5.621264	1.12E-07	2.58E-06
hsa-miR-33b-5p	672	15.93549	0.318113	16.22672	51.00932	5.672689	0.000856	0.006951
hsa-miR-126-5p	126	425.5089	8.423291	433.2867	51.43912	5.684794	8.56E-08	2.05E-06
hsa-miR-374a-5p	811	86.49797	1.620654	88.08076	54.34889	5.764179	4.35E-07	8.64E-06
hsa-miR-153-5p	265	102.3651	1.408396	104.2477	74.0188	6.20982	3.01E-06	4.59E-05
hsa-let-7f-2-3p	13	23.48096	0.318113	23.9129	75.17111	6.232106	1.73E-05	0.00022
hsa-miR-301a-3p	482	20.45777	0.259227	20.83444	80.37142	6.328611	4.02E-05	0.000463
hsa-miR-33a-5p	670	145.295	1.673133	147.9733	88.44081	6.46664	1.94E-07	4.26E-06
hsa-miR-542-3p	1638	357.7569	3.923463	364.3551	92.86571	6.537074	6.59E-09	2.19E-07
hsa-miR-21-5p	407	484310.7	4983.408	493249.2	98.97828	6.62904	2.17E-09	7.64E-08
hsa-miR-142-3p	232	6616.125	50.08807	6738.568	134.5344	7.071831	5.46E-10	2.11E-08
hsa-miR-135a-5p	217	126.4526	0.871829	128.7945	147.729	7.206809	3.54E-08	9.80E-07
hsa-miR-577	1821	279.2024	1.709484	284.3771	166.3526	7.378101	2.89E-06	4.45E-05
hsa-miR-424-5p	914	333.4213	1.989921	339.6018	170.6609	7.414989	7.48E-10	2.83E-08
hsa-miR-590-5p	1842	47.23186	0.272588	48.10756	176.4848	7.4634	6.51E-07	1.20E-05
hsa-miR-142-5p	233	243.3581	1.403263	247.87	176.6383	7.464654	2.26E-09	7.83E-08
hsa-miR-374a-3p	810	1178.285	6.223592	1200.142	192.8375	7.591241	6.67E-11	2.88E-09
hsa-miR-135b-5p	219	79.31846	0.340015	80.79125	237.6109	7.892457	3.88E-08	1.06E-06
hsa-miR-32-5p	651	68.66026	0.272588	69.93555	256.5618	8.003163	7.16E-08	1.80E-06
hsa-miR-19b-3p	359	311.6285	0.889942	317.4231	356.6786	8.478481	1.01E-10	4.21E-09
hsa-miR-135b-3p	218	5.73676	0	5.843739	Inf	Inf	0.004109	0.026133
hsa-miR-144-3p	236	21.04329	0	21.43571	Inf	Inf	8.25E-05	0.000898
hsa-miR-153-3p	264	8.694724	0	8.856863	Inf	Inf	0.000314	0.002896
hsa-miR-181b-3p	287	18.32387	0	18.66558	Inf	Inf	1.30E-05	0.000168
hsa-miR-18a-5p	309	30.3168	0	30.88215	Inf	Inf	8.44E-07	1.54E-05
hsa-miR-18b-5p	311	21.42392	0	21.82344	Inf	Inf	5.08E-06	7.23E-05
hsa-miR-190a-5p	317	11.78169	0	12.0014	Inf	Inf	8.78E-05	0.000943
hsa-miR-19a-3p	355	154.1403	0	157.0147	Inf	Inf	1.93E-10	7.79E-09
hsa-miR-26a-1-3p	455	10.0573	0	10.24484	Inf	Inf	0.00052	0.004503
hsa-miR-26a-2-3p	456	11.46325	0	11.67701	Inf	Inf	0.000109	0.001158

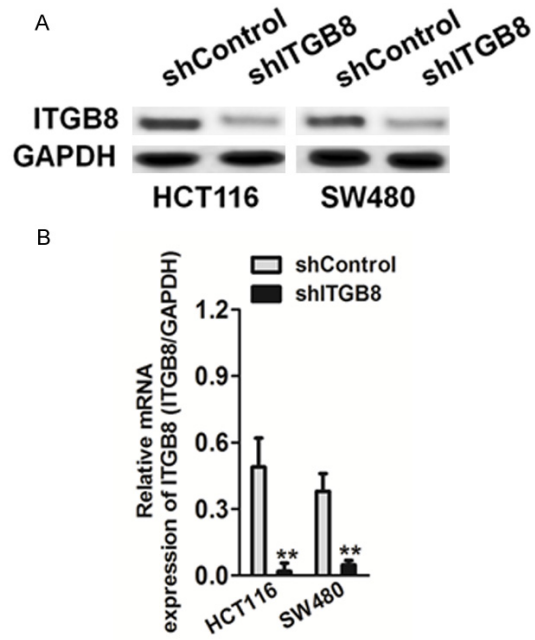
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hsa-miR-335-5p	662	44.96798	0	45.80655	Inf	Inf	1.13E-07	2.58E-06
hsa-miR-3613-5p	701	34.84435	0	35.49412	Inf	Inf	4.65E-07	9.14E-06
hsa-miR-369-3p	796	7.090954	0	7.223186	Inf	Inf	0.000818	0.006707
hsa-miR-374b-3p	812	6.022013	0	6.134312	Inf	Inf	0.001608	0.01202
hsa-miR-376c-3p	822	5.01555	0	5.109081	Inf	Inf	0.002867	0.019163
hsa-miR-450a-5p	1117	14.24286	0	14.50846	Inf	Inf	3.25E-05	0.000387
hsa-miR-450b-5p	1119	23.11534	0	23.5464	Inf	Inf	3.19E-06	4.84E-05
hsa-miR-454-3p	1163	16.50982	0	16.81769	Inf	Inf	1.70E-05	0.000217
hsa-miR-495-3p	1472	6.233747	0	6.349994	Inf	Inf	0.001319	0.010076
hsa-miR-548f-3p	1694	4.419817	0	4.502238	Inf	Inf	0.005104	0.031949
hsa-miR-590-3p	1841	10.82339	0	11.02523	Inf	Inf	0.000136	0.00141
hsa-miR-592	1844	93.57421	0	95.31919	Inf	Inf	1.02E-07	2.38E-06
hsa-miR-628-5p	1925	54.68006	0	55.69974	Inf	Inf	6.87E-08	1.74E-06
hsa-miR-671-5p	2025	4.938473	0	5.030566	Inf	Inf	0.003276	0.021321
hsa-miR-7-5p	2436	36.8128	0	37.49929	Inf	Inf	3.01E-07	6.22E-06
hsa-miR-98-3p	2573	11.95185	0	12.17473	Inf	Inf	8.44E-05	0.000915

Supplementary Table 2. Association between miR-19b-3p expression and clinic-pathological characteristics of colorectal cancer

Clinical Variables	miR-19b-3p		
	Low	High	<i>P</i>
Age, years			0.399
≥ 70	11	15	
< 70	9	5	
Sex			0.274
Female	8	14	
Male	11	7	
Tumor size, cm			0.102
≥ 6	6	14	
< 6	7	13	
Differentiation			0.062
Well	3	11	
Moderate	5	8	
Poor	2	11	
TNM stage			0.128
I and II	4	16	
III and IV	15	5	

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Supplementary Figure 1. To knock down ITGB8, shITGB8 and shControl was transfected HCT116 and SW480 cells. The ITGB8 expressing level was detected by western blotting (A) and qRT-PCR (B).