

Additional file 3: Table S3. Full list of 102 differentially expressed miRNAs in 4 iPCs vs 2 CRCs

No.	Systematic name ^a	mirBase accession no ^b	Chromosome ^c	miRNA family ^d	FC ([iPC] vs [CRC]) ^e	Log ₂ FC ([iPC] vs [CRC]) ^f	P (Corr) ^g
A. Up-regulated miRNAs (n=52)							
1.	hsa-miR-30a-5p	MIMAT0000087	6q13	mir-30	15.365	3.942	0.0004
2.	hsa-miR-125a-3p	MIMAT0004602	19q13.41	mir-10	118.546	6.889	0.000004
3.	hsa-miR-125b-5p	MIMAT0000423	11q24.1	mir-10	471.473	8.881	0.000004
4.	hsa-miR-130a-3p	MIMAT0000425	11q12.1	mir-130	25.04	4.646	0.0001
5.	hsa-miR-132-3p	MIMAT0000426	17p13.3	mir-132	18.361	4.199	0.0005
6.	hsa-miR-135a-3p	MIMAT0004595	3p21.1	mir-135	15.596	3.963	0.0006
7.	hsa-miR-150-3p	MIMAT0004610	19q13.33	mir-150	57.917	5.856	0.000004
8.	hsa-miR-152-3p	MIMAT0000438	17q21.32	mir-148	18.976	4.246	0.0002
9.	hsa-miR-195-5p	MIMAT0000461	17p13.1	mir-15	15.519	3.956	0.0004
10.	hsa-miR-199a-3p	MIMAT0000232	19p13.2	mir-199	131.654	7.041	0.000004
11.	hsa-miR-199a-5p	MIMAT0000231	19p13.2	mir-199	33.402	5.062	0.00003
12.	hsa-miR-210-3p	MIMAT0000267	11p15.5	mir-210	12.527	3.647	0.01
13.	hsa-miR-371a-5p	MIMAT0004687	19q13.42	mir-290	18.086	4.177	0.0057
14.	hsa-miR-513b-5p	MIMAT0005788	Xq27.3	mir-506	10.414	3.38	0.0032
15.	hsa-miR-652-5p	MIMAT0022709	Xq23	mir-652	17.731	4.148	0.0002
16.	hsa-miR-671-5p	MIMAT0003880	7q36.1	mir-671	36.821	5.202	0.00002
17.	hsa-miR-769-5p	MIMAT0003886	19q13.32	mir-769	32.424	5.019	0.0001
18.	hsa-miR-1181	MIMAT0005826	19	mir-1181	50.918	5.67	0.00001
19.	hsa-miR-1185-1-3p	MIMAT0022838	14	mir-154	8.838	3.144	0.0072
20.	hsa-miR-1228-3p	MIMAT0005583	12	mir-1228	26.819	4.745	0.00004
21.	hsa-miR-1249-3p	MIMAT0005901	22q13.31	mir-1249	7.521	2.911	0.0134
22.	hsa-miR-3188	MIMAT0015070	19	mir-3188	23.425	4.55	0.0001
23.	hsa-miR-3911	MIMAT0018185	9	-	6.24	2.641	0.0415
24.	hsa-miR-3934-5p	MIMAT0018349	6	mir-3934	52.355	5.71	0.0006
25.	hsa-miR-4417	MIMAT0018929	1	-	74.244	6.214	0.000002
26.	hsa-miR-4463	MIMAT0018987	6	-	10.547	3.399	0.0066
27.	hsa-miR-4487	MIMAT0019021	11	-	17.222	4.106	0.0003
28.	hsa-miR-4488	MIMAT0019022	11	mir-4488	30.072	4.91	0.00004
29.	hsa-miR-4532	MIMAT0019071	20	-	11.062	3.468	0.0032
30.	hsa-miR-4646-5p	MIMAT0019707	6	-	26.409	4.723	0.0001
31.	hsa-miR-4651	MIMAT0019715	7	-	31.011	4.955	0.00004
32.	hsa-miR-4655-5p	MIMAT0019721	7	-	27.386	4.775	0.0001
33.	hsa-miR-4690-5p	MIMAT0019779	11	-	15.437	3.948	0.0004
34.	hsa-miR-4695-5p	MIMAT0019788	1	-	21.66	4.437	0.0001
35.	hsa-miR-4734	MIMAT0019859	17	-	82.13	6.36	0.000002
36.	hsa-miR-4745-5p	MIMAT0019878	19	-	48.841	5.61	0.00001
37.	hsa-miR-4746-3p	MIMAT0019881	19	-	45.942	5.522	0.00001
38.	hsa-miR-4778-5p	MIMAT0019936	2	-	22.567	4.496	0.0001
39.	hsa-miR-5194	MIMAT0021125	8	-	9.902	3.308	0.0143
40.	hsa-miR-5195-3p	MIMAT0021127	14	-	15.349	3.94	0.0468
41.	hsa-miR-6075	MIMAT0023700	5	-	28.752	4.846	0.00004
42.	hsa-miR-6086	MIMAT0023711	X	-	25.699	4.684	0.0001
43.	hsa-miR-6723-5p	MIMAT0025855	1	-	54.697	5.773	0.00001
44.	hsa-miR-6752-5p	MIMAT0027404	11	-	13.193	3.722	0.035
45.	hsa-miR-6757-5p	MIMAT0027414	12	-	35.174	5.136	0.00004

46.	hsa-miR-6778-5p	MIMAT0027456	17	-	26.856	4.747	0.0001
47.	hsa-miR-6789-5p	MIMAT0027478	19	-	75.413	6.237	0.000002
48.	hsa-miR-6798-5p	MIMAT0027496	19	-	15.124	3.919	0.0004
49.	hsa-miR-6808-5p	MIMAT0027516	1	-	26.666	4.737	0.0001
50.	hsa-miR-6867-5p	MIMAT0027634	17	-	26.521	4.729	0.0001
51.	hsa-miR-7152-3p	MIMAT0028215	10	-	29.631	4.889	0.0001
52.	hsa-miR-8089	MIMAT0031016	5q35.3	-	12.588	3.654	0.0017

No.	Systematic name ^a	miRBase accession no ^b	Chromosome ^c	miRNA family ^d	FC ([iPC] vs [CRC]) ^e	Log ₂ FC ([iPC] vs [CRC]) ^f	P (Corr) ^g
B. Down-regulated miRNA (n=50)							
1.	hsa-miR-7-5p	MIMAT0000252	15q26.1	mir-7	-6.103	-2.61	0.015
2.	hsa-miR-126-3p	MIMAT0000445	9q34.3	mir-126	-11.433	-3.515	0.006
3.	hsa-miR-149-5p	MIMAT0000450	2q37.3	mir-149	-10.262	-3.359	0.006
4.	hsa-miR-181c-5p	MIMAT0000258	19p13.13	mir-181	-9.495	-3.247	0.007
5.	hsa-miR-183-3p	MIMAT0004560	7q32.2	mir-183	-6.82	-2.77	0.014
6.	hsa-miR-192-3p	MIMAT0004543	11q13.1	mir-192	-11.435	-3.515	0.006
7.	hsa-miR-192-5p	MIMAT0000222	11q13.1	mir-192	-71.863	-6.167	0.005
8.	hsa-miR-194-3p	MIMAT0004671	11q13.1	mir-194	-8.187	-3.033	0.009
9.	hsa-miR-200a-5p	MIMAT0001620	1p36.33	mir-8	-12.341	-3.625	0.006
10.	hsa-miR-335-3p	MIMAT0004703	7q32.2	mir-335	-6.084	-2.605	0.019
11.	hsa-miR-338-3p	MIMAT0000763	17q25.3	mir-338	-28.578	-4.837	0.004
12.	hsa-miR-345-5p	MIMAT0000772	14q32.2	mir-345	-6.706	-2.745	0.014
13.	hsa-miR-362-3p	MIMAT0004683	Xp11.23	mir-362	-12.097	-3.597	0.006
14.	hsa-miR-362-5p	MIMAT0000705	Xp11.23	mir-362	-21.331	-4.415	0.005
15.	hsa-miR-421	MIMAT0003339	Xq13.2	mir-95	-9.459	-3.241	0.007
16.	hsa-miR-449b-3p	MIMAT0009203	5q11.2	mir-449	-10.501	-3.392	0.006
17.	hsa-miR-454-3p	MIMAT0003885	17q22	mir-454	-9.29	-3.216	0.007
18.	hsa-miR-455-3p	MIMAT0004784	9q32	mir-455	-24.752	-4.629	0.004
19.	hsa-miR-455-5p	MIMAT0003150	9q32	mir-455	-8.804	-3.138	0.008
20.	hsa-miR-500a-3p	MIMAT0002871	Xp11.23	mir-500	-11.588	-3.535	0.006
21.	hsa-miR-500a-5p	MIMAT0004773	Xp11.23	mir-500	-7.206	-2.849	0.012
22.	hsa-miR-505-3p	MIMAT0002876	Xq27.1	mir-505	-10.101	-3.336	0.006
23.	hsa-miR-532-3p	MIMAT0004780	Xp11.23	mir-188	-12.441	-3.637	0.006
24.	hsa-miR-552-3p	MIMAT0003215	1p34.3	mir-552	-17.809	-4.154	0.005
25.	hsa-miR-3200-3p	MIMAT0015085	22	mir-3200	-9.81	-3.294	0.007
26.	hsa-miR-3591-3p	MIMAT0019877	18	mir-122	-15.664	-3.969	0.005
27.	hsa-miR-3935	MIMAT0018350	16	-	-12.456	-3.639	0.006
28.	hsa-miR-3940-3p	MIMAT0018356	19	mir-3940	-8.59	-3.103	0.008
29.	hsa-miR-3945	MIMAT0018361	4	-	-11.84	-3.566	0.006
30.	hsa-miR-4254	MIMAT0016884	1	-	-16.253	-4.023	0.005
31.	hsa-miR-4259	MIMAT0016880	1	-	-8.351	-3.062	0.008
32.	hsa-miR-4323	MIMAT0016875	19	-	-8.903	-3.154	0.008
33.	hsa-miR-4652-3p	MIMAT0019717	7	-	-14.167	-3.824	0.005
34.	hsa-miR-4687-5p	MIMAT0019774	11	-	-12.193	-3.608	0.006
35.	hsa-miR-4725-5p	MIMAT0019843	17	-	-15.874	-3.989	0.005
36.	hsa-miR-4769-3p	MIMAT0019923	X	-	-8.859	-3.147	0.008
37.	hsa-miR-6129	MIMAT0024613	17	mir-6129	-14.419	-3.85	0.005

38.	hsa-miR-6730-3p	MIMAT0027362	1	-	-9.713	-3.28	0.007
39.	hsa-miR-6730-5p	MIMAT0027361	1	-	-11.055	-3.467	0.006
40.	hsa-miR-6736-3p	MIMAT0027374	1	-	-8.668	-3.116	0.008
41.	hsa-miR-6737-3p	MIMAT0027376	1	-	-14.51	-3.859	0.005
42.	<i>hsa-miR-6741-3p</i>	<i>MIMAT0027384</i>	<i>1</i>	-	<i>-20.624</i>	<i>-4.366</i>	<i>0.005</i>
43.	<i>hsa-miR-6743-3p</i>	<i>MIMAT0027388</i>	<i>11</i>	-	<i>-20.191</i>	<i>-4.336</i>	<i>0.005</i>
44.	hsa-miR-6752-3p	MIMAT0027405	11	-	-13.38	-3.742	0.005
45.	hsa-miR-6766-3p	MIMAT0027433	15	-	-13.332	-3.737	0.005
46.	hsa-miR-6779-3p	MIMAT0027459	17	-	-6.66	-2.736	0.014
47.	<i>hsa-miR-6782-5p</i>	<i>MIMAT0027464</i>	<i>17</i>	-	<i>-16.587</i>	<i>-4.052</i>	<i>0.005</i>
48.	hsa-miR-6785-3p	MIMAT0027471	17	-	-11.629	-3.54	0.006
49.	hsa-miR-6797-3p	MIMAT0027495	19	-	-10.433	-3.383	0.006
50.	hsa-miR-6803-3p	MIMAT0027507	19	-	-11.134	-3.477	0.006

miRNAs are arranged according to numerical order. MiRNAs in bold and in italics are the top 10 up- or down-regulated miRNAs as shown in **Table 1**. MiRNAs boxed in green are predicted to target the EMT/MET genes as shown in **Table 2**. ^aSystematic name, ^bmiRBase accession number and ^dmiRNA family are taken from miRBase database; ^cChromosome locations are taken from HUGO Gene Nomenclature Committee (HGNC); ^eFC: Fold change; ^fLog₂(FC): Log₂(Fold change); ^gP (Corr), corrected *p* value, cutoff at 0.05.