

Supplementary Table I. Differentially expressed miRNAs between colorectal cancer specimens and normal tissue. Log₂(fold-change) values (log₂(fc)) for each stage of disease for the 230 miRNAs found differently expressed throughout disease progression and respective Tumor (T) vs. Normal (N) status are provided.

miRNAs	Stage I log ₂ (Fc)	Stage II log ₂ (Fc)	Stage III log ₂ (Fc)	Stage IV log ₂ (Fc)	Regulation tumor (T) vs. Normal (N)
hsa-let-7a-2-3p	-1.414	-1.222	-1.209	-1.124	Down
hsa-let-7e-3p	-1.256	-1.162	-1.117	-1.103	Down
hsa-miR-1-3p	1.398	1.327	1.460	1.557	Up
hsa-miR-106b-5p	1.272	1.239	1.272	1.205	Up
hsa-miR-10a-3p	1.141	1.149	1.112	1.150	Up
hsa-miR-1181	-2.009	-1.998	-2.153	-2.285	Down
hsa-miR-1224-5p	-2.923	-2.980	-2.700	-3.227	Down
hsa-miR-1226-3p	-2.101	-2.190	-2.140	-2.134	Down
hsa-miR-1228-3p	-2.023	-2.030	-2.092	-2.230	Down
hsa-miR-1228-5p	-2.363	-2.145	-1.972	-2.322	Down
hsa-miR-1229-3p	-1.976	-1.829	-1.931	-2.023	Down
hsa-miR-1249-3p	-1.641	-1.784	-1.811	-2.138	Down
hsa-miR-1254	-1.384	-1.329	-1.331	-1.562	Down
hsa-miR-125a-3p	-1.180	-1.072	-1.165	-1.015	Down
hsa-miR-125b-1-3p	-1.302	-1.509	-1.494	-1.417	Down
hsa-miR-126-5p	1.473	1.483	1.483	1.502	Up
hsa-miR-1270	-1.609	-1.722	-1.666	-1.921	Down
hsa-miR-1271-5p	-1.534	-1.382	-1.365	-1.430	Down
hsa-miR-1275	-1.217	-1.402	-1.320	-1.444	Down
hsa-miR-129-5p	-2.041	-2.149	-1.993	-1.939	Down
hsa-miR-1292-5p	-1.457	-1.251	-1.271	-1.383	Down
hsa-miR-1295a	-1.494	-1.524	-1.805	-1.498	Down
hsa-miR-1296-5p	-1.263	-1.273	-1.379	-1.377	Down
hsa-miR-1306-3p	-1.492	-1.702	-1.653	-1.948	Down
hsa-miR-1306-5p	-1.460	-1.397	-1.500	-1.562	Down
hsa-miR-133a-3p	-1.222	-1.263	-1.076	-1.016	Down
hsa-miR-1343-3p	-1.897	-2.090	-2.222	-2.195	Down
hsa-miR-136-5p	1.409	1.461	1.500	1.533	Up
hsa-miR-139-3p	-1.627	-1.651	-1.635	-1.569	Down
hsa-miR-139-5p	-1.266	-1.304	-1.235	-1.195	Down
hsa-miR-140-5p	1.119	1.130	1.125	1.100	Up
hsa-miR-142-3p	1.048	1.044	1.031	1.033	Up
hsa-miR-142-5p	2.214	2.237	2.215	2.193	Up
hsa-miR-144-5p	1.998	1.869	1.848	1.875	Up
hsa-miR-149-5p	-1.440	-1.424	-1.405	-1.268	Down
hsa-miR-150-3p	-1.867	-1.833	-1.870	-2.068	Down
hsa-miR-15a-5p	1.010	1.031	1.042	1.019	Up

hsa-miR-15b-3p	1.203	1.157	1.152	1.080	Up
hsa-miR-184	-1.455	-1.119	-1.619	-1.266	Down
hsa-miR-187-3p	-2.663	-1.864	-1.386	-1.276	Down
hsa-miR-191-3p	-1.138	-1.129	-1.251	-1.314	Down
hsa-miR-193b-5p	-1.602	-1.636	-1.612	-1.463	Down
hsa-miR-195-3p	-1.873	-1.879	-1.792	-1.732	Down
hsa-miR-1976	-1.186	-1.186	-1.206	-1.271	Down
hsa-miR-19b-1-5p	1.557	1.561	1.534	1.572	Up
hsa-miR-19b-3p	2.030	2.030	2.051	2.060	Up
hsa-miR-203b-3p	1.684	1.603	1.657	1.579	Up
hsa-miR-205-5p	-2.284	-1.507	-1.776	-2.468	Down
hsa-miR-20a-5p	1.141	1.139	1.157	1.165	Up
hsa-miR-20b-3p	-1.848	-2.122	-1.757	-2.095	Down
hsa-miR-210-5p	-2.247	-2.002	-2.299	-2.257	Down
hsa-miR-2110	-1.275	-1.289	-1.360	-1.312	Down
hsa-miR-2116-3p	-2.124	-2.083	-2.243	-2.111	Down
hsa-miR-215-5p	1.119	1.069	1.142	1.050	Up
hsa-miR-217	1.237	1.200	1.281	1.331	Up
hsa-miR-218-1-3p	-2.142	-2.017	-2.079	-1.962	Down
hsa-miR-218-5p	1.163	1.236	1.294	1.301	Up
hsa-miR-22-5p	1.042	1.074	1.085	1.026	Up
hsa-miR-2277-3p	-2.678	-2.345	-2.860	-2.886	Down
hsa-miR-2277-5p	-1.404	-1.123	-1.488	-1.552	Down
hsa-miR-2355-5p	1.495	1.505	1.513	1.487	Up
hsa-miR-23a-5p	-1.319	-1.384	-1.563	-1.672	Down
hsa-miR-23b-5p	-1.713	-1.760	-1.812	-1.544	Down
hsa-miR-24-2-5p	1.761	1.767	1.798	1.776	Up
hsa-miR-296-3p	-2.002	-1.626	-1.481	-1.271	Down
hsa-miR-296-5p	-1.902	-1.964	-1.781	-1.510	Down
hsa-miR-29b-3p	1.164	1.150	1.153	1.194	Up
hsa-miR-3074-5p	-1.042	-1.038	-1.056	-1.258	Down
hsa-miR-3127-3p	-2.249	-2.087	-2.065	-2.621	Down
hsa-miR-3130-3p	-1.717	-1.711	-2.016	-2.171	Down
hsa-miR-3150b-3p	-1.647	-1.508	-1.430	-1.441	Down
hsa-miR-3158-5p	-1.484	-1.409	-1.799	-1.767	Down
hsa-miR-3173-5p	-2.208	-2.280	-2.403	-2.591	Down
hsa-miR-3199	-1.964	-1.707	-1.604	-1.905	Down
hsa-miR-320c	-1.304	-1.440	-1.473	-1.535	Down
hsa-miR-323a-3p	-1.213	-1.096	-1.101	-1.101	Down
hsa-miR-326	-1.265	-1.268	-1.354	-1.396	Down
hsa-miR-328-3p	-1.466	-1.414	-1.387	-1.353	Down
hsa-miR-335-3p	1.294	1.270	1.297	1.261	Up
hsa-miR-342-5p	-1.366	-1.412	-1.370	-1.344	Down

hsa-miR-3605-3p	-2.151	-2.049	-2.024	-2.006	Down
hsa-miR-3609	-1.840	-1.983	-1.993	-2.351	Down
hsa-miR-3614-5p	-1.051	-1.053	-1.165	-1.210	Down
hsa-miR-3615	-1.227	-1.220	-1.216	-1.316	Down
hsa-miR-363-3p	-1.273	-1.149	-1.044	-1.084	Down
hsa-miR-3652	-1.803	-2.151	-2.342	-2.412	Down
hsa-miR-365a-5p	-2.564	-2.360	-2.352	-2.587	Down
hsa-miR-365b-5p	-1.612	-1.883	-2.084	-2.509	Down
hsa-miR-3680-3p	-1.350	-1.276	-1.192	-1.371	Down
hsa-miR-3690	-1.547	-1.318	-1.498	-1.695	Down
hsa-miR-374a-3p	1.764	1.708	1.721	1.706	Up
hsa-miR-374b-5p	1.385	1.328	1.336	1.340	Up
hsa-miR-377-5p	-1.309	-1.170	-1.199	-1.416	Down
hsa-miR-381-5p	-1.044	-1.330	-1.610	-1.387	Down
hsa-miR-383-5p	-1.657	-1.658	-1.771	-1.631	Down
hsa-miR-3909	-1.202	-1.288	-1.325	-1.467	Down
hsa-miR-3917	-1.589	-1.814	-2.025	-2.020	Down
hsa-miR-3928-3p	-1.788	-1.800	-1.971	-2.160	Down
hsa-miR-3940-3p	-2.646	-2.536	-2.667	-2.715	Down
hsa-miR-3940-5p	-1.955	-1.949	-1.949	-2.183	Down
hsa-miR-3944-3p	-2.327	-1.974	-2.091	-2.717	Down
hsa-miR-424-5p	1.913	1.962	1.958	2.000	Up
hsa-miR-429	1.423	1.399	1.400	1.364	Up
hsa-miR-433-3p	-2.068	-2.023	-1.969	-1.980	Down
hsa-miR-4446-3p	-1.517	-1.548	-1.999	-2.027	Down
hsa-miR-4466	-1.337	-1.407	-1.507	-1.729	Down
hsa-miR-452-5p	1.615	1.547	1.599	1.564	Up
hsa-miR-4521	-1.890	-2.159	-2.226	-2.110	Down
hsa-miR-4638-3p	-1.325	-1.233	-1.313	-1.536	Down
hsa-miR-4660	-1.260	-1.460	-1.571	-1.995	Down
hsa-miR-4665-5p	-2.011	-1.731	-1.750	-1.791	Down
hsa-miR-4676-5p	-1.858	-1.800	-2.139	-2.225	Down
hsa-miR-4685-3p	-2.355	-2.223	-2.580	-2.654	Down
hsa-miR-4728-3p	-2.223	-2.245	-2.276	-2.199	Down
hsa-miR-4742-3p	-1.495	-1.604	-1.409	-1.568	Down
hsa-miR-4784	-1.378	-1.638	-1.540	-1.982	Down
hsa-miR-4787-3p	-2.484	-2.236	-2.561	-2.309	Down
hsa-miR-483-3p	-2.253	-2.403	-2.337	-1.938	Down
hsa-miR-483-5p	-1.830	-1.437	-1.583	-1.395	Down
hsa-miR-485-3p	-1.533	-1.496	-1.556	-1.549	Down
hsa-miR-485-5p	-1.753	-1.310	-1.327	-1.463	Down
hsa-miR-486-3p	-2.355	-2.278	-2.402	-2.319	Down
hsa-miR-487a-5p	-1.918	-1.972	-1.951	-2.159	Down

hsa-miR-490-3p	-1.865	-1.604	-1.268	-1.381	Down
hsa-miR-491-5p	-1.089	-1.175	-1.311	-1.209	Down
hsa-miR-5001-5p	-1.444	-1.755	-1.966	-1.987	Down
hsa-miR-5010-3p	-1.864	-1.768	-2.008	-2.205	Down
hsa-miR-503-3p	-1.298	-1.385	-1.490	-1.571	Down
hsa-miR-504-5p	-3.369	-3.285	-3.312	-3.246	Down
hsa-miR-5090	-2.260	-2.231	-2.467	-2.230	Down
hsa-miR-5091	-1.320	-1.232	-1.310	-1.484	Down
hsa-miR-5187-5p	-2.021	-2.124	-2.157	-2.324	Down
hsa-miR-542-3p	1.801	1.804	1.799	1.813	Up
hsa-miR-543	-1.309	-1.009	-1.152	-1.185	Down
hsa-miR-551a	-1.815	-1.795	-2.002	-2.099	Down
hsa-miR-552-3p	1.737	1.611	1.644	1.726	Up
hsa-miR-552-5p	1.752	1.644	1.689	1.671	Up
hsa-miR-5698	-2.015	-1.833	-1.957	-2.323	Down
hsa-miR-582-5p	1.211	1.102	1.124	1.097	Up
hsa-miR-605-5p	-2.509	-2.442	-2.491	-2.484	Down
hsa-miR-6125	-1.896	-1.927	-2.141	-2.235	Down
hsa-miR-615-3p	-1.678	-1.406	-2.370	-1.738	Down
hsa-miR-616-3p	-1.154	-1.057	-1.474	-1.485	Down
hsa-miR-629-3p	-1.257	-1.229	-1.347	-1.445	Down
hsa-miR-632	-1.729	-1.950	-1.921	-2.111	Down
hsa-miR-636	-1.749	-1.333	-1.733	-1.477	Down
hsa-miR-639	-1.382	-1.265	-1.419	-1.483	Down
hsa-miR-642a-5p	-2.256	-2.092	-2.218	-2.129	Down
hsa-miR-6509-5p	-1.511	-1.502	-1.660	-1.800	Down
hsa-miR-6511b-3p	-2.489	-2.435	-2.259	-2.271	Down
hsa-miR-654-5p	-1.304	-1.223	-1.311	-1.240	Down
hsa-miR-658	-1.379	-1.445	-1.566	-1.649	Down
hsa-miR-660-5p	1.345	1.320	1.350	1.276	Up
hsa-miR-664b-3p	-1.091	-1.200	-1.162	-1.111	Down
hsa-miR-664b-5p	-1.878	-2.104	-1.986	-2.305	Down
hsa-miR-671-3p	-1.731	-1.726	-1.870	-1.901	Down
hsa-miR-6715b-3p	-1.373	-1.249	-1.221	-1.398	Down
hsa-miR-6716-3p	-2.204	-1.936	-1.946	-1.795	Down
hsa-miR-6718-5p	-1.096	-1.265	-1.309	-1.466	Down
hsa-miR-6720-3p	-2.382	-2.524	-2.330	-2.408	Down
hsa-miR-6734-5p	-2.621	-1.861	-2.235	-2.338	Down
hsa-miR-6783-3p	-1.573	-1.355	-1.330	-1.775	Down
hsa-miR-6793-5p	-2.833	-2.193	-2.331	-2.469	Down
hsa-miR-6798-3p	-1.997	-2.190	-1.954	-2.143	Down
hsa-miR-6802-3p	-2.555	-2.363	-2.700	-2.748	Down
hsa-miR-6803-3p	-2.644	-2.722	-2.733	-2.867	Down

hsa-miR-6808-3p	-2.136	-2.288	-2.460	-2.502	Down
hsa-miR-6820-3p	-2.262	-2.292	-2.523	-2.272	Down
hsa-miR-6837-3p	-1.072	-1.184	-1.033	-1.253	Down
hsa-miR-6842-3p	-1.021	-1.012	-1.194	-1.064	Down
hsa-miR-6852-5p	-1.807	-1.845	-1.972	-1.738	Down
hsa-miR-6875-5p	-1.923	-1.633	-1.855	-2.217	Down
hsa-miR-6877-5p	-1.955	-2.039	-2.187	-2.136	Down
hsa-miR-6892-5p	-1.636	-1.518	-1.538	-1.641	Down
hsa-miR-7-1-3p	1.470	1.381	1.339	1.294	Up
hsa-miR-708-3p	1.210	1.216	1.216	1.202	Up
hsa-miR-760	-1.919	-1.750	-2.209	-2.049	Down
hsa-miR-7641	-2.225	-2.265	-2.540	-2.555	Down
hsa-miR-766-3p	-1.522	-1.423	-1.548	-1.560	Down
hsa-miR-769-3p	-1.008	-1.011	-1.053	-1.158	Down
hsa-miR-7702	-2.578	-2.208	-2.184	-2.618	Down
hsa-miR-7704	-1.144	-1.049	-1.229	-1.296	Down
hsa-miR-7706	-1.375	-1.508	-1.475	-1.499	Down
hsa-miR-874-5p	-1.508	-1.426	-1.587	-1.734	Down
hsa-miR-877-3p	-2.339	-2.170	-2.262	-2.826	Down
hsa-miR-877-5p	-1.275	-1.094	-1.249	-1.208	Down
hsa-miR-887-5p	-2.773	-2.962	-2.693	-2.805	Down
hsa-miR-891a-5p	-1.671	-1.462	-1.626	-1.656	Down
hsa-miR-92b-5p	-1.676	-1.850	-2.072	-2.257	Down
hsa-miR-937-3p	-1.322	-1.496	-1.299	-1.250	Down
hsa-miR-98-5p	1.608	1.583	1.627	1.607	Up
hsa-miR-141-5p	1.004	-	-	-	Up
hsa-miR-3651	-1.155	-	-	-	Down
hsa-miR-3653-3p	-1.084	-	-	-	Down
hsa-miR-432-5p	-1.009	-	-	-	Down
hsa-miR-6087	-1.081	-	-	-	Down
hsa-miR-887-3p	-1.017	-	-	-	Down
hsa-miR-151b	-1.042	-1.043	-	-	Down
hsa-miR-4473	-1.120	-	-1.256	-	Down
hsa-miR-105-5p	-1.353	-2.016	-1.288	-	Down
hsa-miR-133b	-1.200	-1.211	-1.027	-	Down
hsa-miR-204-5p	-1.368	-1.063	-1.285	-	Down
hsa-miR-3193	-1.044	-1.004	-1.055	-	Down
hsa-miR-582-3p	1.066	1.024	1.016	-	Down
hsa-miR-767-5p	-2.002	-2.353	-1.306	-	Down
hsa-miR-99a-3p	-1.020	-1.119	-	-1.137	Down
hsa-miR-195-5p	1.027	-	1.071	1.088	Up
hsa-miR-323b-3p	-1.167	-	-1.166	-1.034	Down
hsa-miR-34c-3p	-1.205	-	-1.109	-1.143	Down

hsa-miR-370-3p	-1.112	-	-1.038	-1.048	Down
hsa-miR-4449	-1.229	-	-1.016	-1.440	Down
hsa-miR-589-3p	-1.041	-	-1.009	-1.260	Down
hsa-miR-616-5p	-1.225	-	-1.113	-1.226	Down
hsa-miR-30c-1-3p	-	-1.022	-	-1.097	Down
hsa-miR-6806-3p	-	-1.114	-	-1.255	Down
hsa-miR-1468-5p	-	-1.051	-1.094	-1.175	Down
hsa-miR-3127-5p	-	-1.003	-1.010	-1.143	Down
hsa-miR-3922-3p	-	-1.078	-1.168	-1.290	Down
hsa-miR-1180-3p	-	-	-1.002	-1.091	Down
hsa-miR-3934-5p	-	-	-1.106	-1.240	Down
hsa-miR-486-5p	-	-	-1.075	-1.071	Down
hsa-miR-500b-3p	-	-	-1.003	-1.297	Down
hsa-miR-5703	-	-	-1.096	-1.297	Down
hsa-miR-128-1-5p	-	-	-	-1.129	Down
hsa-miR-1291	-	-	-	-1.006	Down
hsa-miR-30b-3p	-	-	-	-1.064	Down
hsa-miR-4664-3p	-	-	-	-1.346	Down
hsa-miR-501-5p	-	-	-	-1.071	Down
hsa-miR-659-5p	-	-	-	-1.043	Down
hsa-miR-939-5p	-	-	-	-1.175	Down