

Supplementary table V. Diagnostic value for the 213 miRNAs found differentially expressed in Stage I samples. Normal samples mean expression, Stage I samples mean expression, fold-change, $\log_2(\text{fold-change})$, Tumor (T) vs. Normal (N) status and respective AUCs are provided.

miRNAs	Normal samples mean expression	Stage I samples mean expression	fold-change	$\log_2(\text{fold-change})$	Tumor (T) vs. Normal (N) status	AUC
hsa-let-7a-2-3p	3.7211	1.3967	0.3754	-1.4137	Down	0.9957
hsa-let-7e-3p	5.8368	2.4440	0.4187	-1.2559	Down	1.0000
hsa-miR-1-3p	1.8949	4.9932	2.6351	1.3979	Up	0.9878
hsa-miR-105-5p	3.6907	1.4448	0.3915	-1.3530	Down	0.8889
hsa-miR-106b-5p	3.3556	8.1020	2.4145	1.2717	Up	1.0000
hsa-miR-10a-3p	1.3287	2.9295	2.2048	1.1406	Up	0.9271
hsa-miR-1181	1.7038	0.4233	0.2484	-2.0091	Down	1.0000
hsa-miR-1224-5p	5.3764	0.7087	0.1318	-2.9233	Down	1.0000
hsa-miR-1226-3p	4.1976	0.9781	0.2330	-2.1014	Down	1.0000
hsa-miR-1228-3p	2.3700	0.5830	0.2460	-2.0232	Down	1.0000
hsa-miR-1228-5p	2.1746	0.4226	0.1943	-2.3634	Down	1.0000
hsa-miR-1229-3p	2.1924	0.5574	0.2542	-1.9758	Down	1.0000
hsa-miR-1249-3p	3.9910	1.2797	0.3206	-1.6410	Down	1.0000
hsa-miR-1254	2.2297	0.8544	0.3832	-1.3839	Down	0.9357
hsa-miR-125a-3p	3.7544	1.6574	0.4415	-1.1796	Down	0.9886
hsa-miR-125b-1-3p	2.2575	0.9152	0.4054	-1.3026	Down	0.9907
hsa-miR-126-5p	2.3624	6.5582	2.7761	1.4730	Up	1.0000
hsa-miR-1270	2.2865	0.7495	0.3278	-1.6092	Down	0.9686
hsa-miR-1271-5p	3.2345	1.1167	0.3453	-1.5343	Down	1.0000
hsa-miR-1275	1.7096	0.7355	0.4302	-1.2168	Down	0.9257
hsa-miR-129-5p	6.9592	1.6907	0.2429	-2.0413	Down	1.0000
hsa-miR-1292-5p	1.8572	0.6764	0.3642	-1.4573	Down	0.9675
hsa-miR-1295a	1.4958	0.5312	0.3551	-1.4937	Down	1.0000
hsa-miR-1296-5p	6.0034	2.5010	0.4166	-1.2633	Down	1.0000
hsa-miR-1306-3p	2.9409	1.0453	0.3554	-1.4924	Down	0.9941
hsa-miR-1306-5p	7.0404	2.5584	0.3634	-1.4604	Down	1.0000
hsa-miR-133a-3p	8.7856	3.7662	0.4287	-1.2220	Down	1.0000
hsa-miR-133b	4.3757	1.9052	0.4354	-1.1996	Down	0.9070
hsa-miR-1343-3p	3.0080	0.8074	0.2684	-1.8975	Down	1.0000
hsa-miR-136-5p	1.3541	3.5959	2.6556	1.4090	Up	0.9959
hsa-miR-139-3p	8.2586	2.6744	0.3238	-1.6267	Down	1.0000
hsa-miR-139-5p	9.9345	4.1307	0.4158	-1.2661	Down	1.0000
hsa-miR-140-5p	2.3648	5.1378	2.1727	1.1195	Up	1.0000
hsa-miR-141-5p	4.7829	9.5957	2.0063	1.0045	Up	1.0000

hsa-miR-142-3p	4.9749	10.2832	2.0670	1.0476	Up	1.0000
hsa-miR-142-5p	1.2618	5.8555	4.6406	2.2143	Up	1.0000
hsa-miR-144-5p	1.5214	6.0769	3.9943	1.9980	Up	1.0000
hsa-miR-149-5p	8.1369	2.9981	0.3685	-1.4404	Down	1.0000
hsa-miR-150-3p	4.8436	1.3275	0.2741	-1.8673	Down	1.0000
hsa-miR-151b	2.0109	0.9768	0.4857	-1.0418	Down	0.9190
hsa-miR-15a-5p	3.3995	6.8468	2.0141	1.0101	Up	1.0000
hsa-miR-15b-3p	2.0778	4.7821	2.3015	1.2026	Up	1.0000
hsa-miR-184	1.9116	0.6973	0.3648	-1.4549	Down	0.8854
hsa-miR-187-3p	3.2963	0.5204	0.1579	-2.6630	Down	0.9802
hsa-miR-191-3p	4.7400	2.1536	0.4543	-1.1382	Down	1.0000
hsa-miR-193b-5p	5.4217	1.7862	0.3294	-1.6019	Down	1.0000
hsa-miR-195-3p	4.9411	1.3490	0.2730	-1.8729	Down	1.0000
hsa-miR-195-5p	2.2748	4.6370	2.0384	1.0275	Up	0.9955
hsa-miR-1976	7.1492	3.1424	0.4395	-1.1859	Down	1.0000
hsa-miR-19b-1-5p	1.2115	3.5645	2.9423	1.5569	Up	1.0000
hsa-miR-19b-3p	1.7725	7.2392	4.0842	2.0300	Up	1.0000
hsa-miR-203b-3p	2.1997	7.0704	3.2142	1.6845	Up	1.0000
hsa-miR-204-5p	3.3903	1.3137	0.3875	-1.3677	Down	0.9712
hsa-miR-205-5p	4.1157	0.8448	0.2053	-2.2844	Down	0.9964
hsa-miR-20a-5p	4.0682	8.9702	2.2050	1.1408	Up	1.0000
hsa-miR-20b-3p	1.9811	0.5503	0.2778	-1.8480	Down	0.9427
hsa-miR-210-5p	3.2428	0.6833	0.2107	-2.2466	Down	1.0000
hsa-miR-2110	3.2414	1.3390	0.4131	-1.2755	Down	1.0000
hsa-miR-2116-3p	2.7091	0.6213	0.2294	-2.1244	Down	1.0000
hsa-miR-215-5p	4.0157	8.7222	2.1720	1.1190	Up	0.9979
hsa-miR-217	2.1500	5.0675	2.3570	1.2370	Up	0.9464
hsa-miR-218-1-3p	2.1188	0.4802	0.2266	-2.1416	Down	1.0000
hsa-miR-218-5p	1.6856	3.7751	2.2397	1.1633	Up	0.9844
hsa-miR-22-5p	1.9279	3.9696	2.0590	1.0420	Up	0.9458
hsa-miR-2277-3p	2.1576	0.3371	0.1563	-2.6781	Down	1.0000
hsa-miR-2277-5p	1.6077	0.6074	0.3778	-1.4043	Down	0.9634
hsa-miR-2355-5p	1.6599	4.6783	2.8184	1.4949	Up	1.0000
hsa-miR-23a-5p	5.0605	2.0285	0.4008	-1.3189	Down	0.9777
hsa-miR-23b-5p	2.8304	0.8632	0.3050	-1.7132	Down	0.9977
hsa-miR-24-2-5p	1.2871	4.3624	3.3893	1.7610	Up	1.0000
hsa-miR-296-3p	2.1713	0.5420	0.2496	-2.0021	Down	0.9903
hsa-miR-296-5p	5.1686	1.3833	0.2676	-1.9017	Down	1.0000
hsa-miR-29b-3p	4.1372	9.2705	2.2408	1.1640	Up	1.0000
hsa-miR-3074-5p	5.0063	2.4321	0.4858	-1.0415	Down	1.0000
hsa-miR-3127-3p	2.3795	0.5004	0.2103	-2.2495	Down	0.9972
hsa-miR-3130-3p	1.8704	0.5690	0.3042	-1.7169	Down	0.9711
hsa-miR-3150b-3p	4.5086	1.4401	0.3194	-1.6465	Down	0.9842

hsa-miR-3158-5p	1.2631	0.4516	0.3575	-1.4839	Down	0.9926
hsa-miR-3173-5p	3.2780	0.7096	0.2165	-2.2078	Down	1.0000
hsa-miR-3193	1.4653	0.7106	0.4849	-1.0442	Down	0.9167
hsa-miR-3199	1.8627	0.4774	0.2563	-1.9640	Down	1.0000
hsa-miR-320c	2.5689	1.0403	0.4050	-1.3041	Down	0.9689
hsa-miR-323a-3p	3.9196	1.6910	0.4314	-1.2129	Down	0.9941
hsa-miR-323b-3p	3.9119	1.7426	0.4455	-1.1666	Down	0.9735
hsa-miR-326	5.3581	2.2300	0.4162	-1.2647	Down	0.9977
hsa-miR-328-3p	9.5663	3.4637	0.3621	-1.4656	Down	1.0000
hsa-miR-335-3p	3.0934	7.5851	2.4521	1.2940	Up	1.0000
hsa-miR-342-5p	4.8779	1.8923	0.3879	-1.3661	Down	1.0000
hsa-miR-34c-3p	2.4243	1.0517	0.4338	-1.2048	Down	0.9901
hsa-miR-3605-3p	4.6149	1.0389	0.2251	-2.1512	Down	1.0000
hsa-miR-3609	1.9079	0.5331	0.2794	-1.8396	Down	0.9852
hsa-miR-3614-5p	4.0240	1.9426	0.4828	-1.0506	Down	0.9958
hsa-miR-3615	5.4563	2.3312	0.4273	-1.2268	Down	1.0000
hsa-miR-363-3p	3.7639	1.5578	0.4139	-1.2727	Down	0.9652
hsa-miR-3651	2.8408	1.2756	0.4490	-1.1551	Down	0.8808
hsa-miR-3652	2.0769	0.5952	0.2866	-1.8029	Down	0.9785
hsa-miR-3653-3p	4.3713	2.0622	0.4718	-1.0839	Down	0.9827
hsa-miR-365a-5p	2.8542	0.4827	0.1691	-2.5640	Down	1.0000
hsa-miR-365b-5p	2.1247	0.6948	0.3270	-1.6125	Down	0.9365
hsa-miR-3680-3p	1.6145	0.6332	0.3922	-1.3504	Down	0.9432
hsa-miR-3690	1.7728	0.6066	0.3422	-1.5471	Down	0.9361
hsa-miR-370-3p	5.1722	2.3925	0.4626	-1.1122	Down	1.0000
hsa-miR-374a-3p	3.0457	10.3423	3.3957	1.7637	Up	1.0000
hsa-miR-374b-5p	2.4335	6.3572	2.6123	1.3853	Up	1.0000
hsa-miR-377-5p	2.9268	1.1815	0.4037	-1.3087	Down	0.9110
hsa-miR-381-5p	1.3366	0.6484	0.4851	-1.0436	Down	0.8905
hsa-miR-383-5p	3.1512	0.9991	0.3170	-1.6573	Down	0.9902
hsa-miR-3909	1.3096	0.5691	0.4346	-1.2023	Down	0.9628
hsa-miR-3917	4.2935	1.4267	0.3323	-1.5895	Down	1.0000
hsa-miR-3928-3p	3.5466	1.0273	0.2896	-1.7876	Down	1.0000
hsa-miR-3940-3p	3.6341	0.5804	0.1597	-2.6464	Down	1.0000
hsa-miR-3940-5p	3.4809	0.8977	0.2579	-1.9551	Down	0.9960
hsa-miR-3944-3p	2.1153	0.4215	0.1992	-2.3274	Down	1.0000
hsa-miR-424-5p	1.7208	6.4803	3.7658	1.9130	Up	1.0000
hsa-miR-429	3.1791	8.5237	2.6812	1.4229	Up	1.0000
hsa-miR-432-5p	5.3658	2.6658	0.4968	-1.0092	Down	1.0000
hsa-miR-433-3p	4.2891	1.0228	0.2385	-2.0682	Down	1.0000
hsa-miR-4446-3p	1.8250	0.6375	0.3493	-1.5173	Down	0.9600
hsa-miR-4449	2.4325	1.0376	0.4265	-1.2292	Down	0.9209
hsa-miR-4466	1.4018	0.5549	0.3959	-1.3370	Down	0.9231

hsa-miR-4473	1.7180	0.7906	0.4602	-1.1196	Down	0.9341
hsa-miR-452-5p	2.3222	7.1145	3.0637	1.6153	Up	1.0000
hsa-miR-4521	1.8933	0.5107	0.2697	-1.8903	Down	0.9901
hsa-miR-4638-3p	1.8457	0.7368	0.3992	-1.3249	Down	0.9309
hsa-miR-4660	1.4997	0.6261	0.4175	-1.2602	Down	0.9508
hsa-miR-4665-5p	1.4104	0.3499	0.2481	-2.0112	Down	1.0000
hsa-miR-4676-5p	3.0381	0.8379	0.2758	-1.8584	Down	1.0000
hsa-miR-4685-3p	2.0405	0.3988	0.1955	-2.3551	Down	1.0000
hsa-miR-4728-3p	3.9023	0.8360	0.2142	-2.2227	Down	1.0000
hsa-miR-4742-3p	1.5435	0.5475	0.3547	-1.4952	Down	0.9887
hsa-miR-4784	1.6685	0.6420	0.3848	-1.3780	Down	0.9449
hsa-miR-4787-3p	2.2765	0.4069	0.1787	-2.4841	Down	1.0000
hsa-miR-483-3p	4.3650	0.9159	0.2098	-2.2526	Down	0.9953
hsa-miR-483-5p	2.3317	0.6556	0.2812	-1.8305	Down	0.9882
hsa-miR-485-3p	5.0733	1.7533	0.3456	-1.5329	Down	1.0000
hsa-miR-485-5p	1.3764	0.4082	0.2966	-1.7534	Down	0.9968
hsa-miR-486-3p	2.8002	0.5472	0.1954	-2.3554	Down	1.0000
hsa-miR-487a-5p	3.0837	0.8159	0.2646	-1.9183	Down	0.9980
hsa-miR-490-3p	5.7564	1.5801	0.2745	-1.8651	Down	0.8970
hsa-miR-491-5p	2.6388	1.2402	0.4700	-1.0893	Down	0.9167
hsa-miR-5001-5p	2.1416	0.7869	0.3674	-1.4444	Down	0.9901
hsa-miR-5010-3p	2.9243	0.8032	0.2747	-1.8643	Down	1.0000
hsa-miR-503-3p	2.2706	0.9233	0.4067	-1.2981	Down	0.9277
hsa-miR-504-5p	5.2425	0.5074	0.0968	-3.3690	Down	1.0000
hsa-miR-5090	2.0593	0.4298	0.2087	-2.2603	Down	1.0000
hsa-miR-5091	1.9586	0.7844	0.4005	-1.3201	Down	0.8930
hsa-miR-5187-5p	2.3652	0.5827	0.2464	-2.0212	Down	0.9944
hsa-miR-542-3p	2.0719	7.2212	3.4852	1.8012	Up	1.0000
hsa-miR-543	1.8519	0.7476	0.4037	-1.3087	Down	0.9469
hsa-miR-551a	1.6205	0.4606	0.2843	-1.8148	Down	1.0000
hsa-miR-552-3p	1.8123	6.0414	3.3336	1.7371	Up	1.0000
hsa-miR-552-5p	2.1585	7.2689	3.3676	1.7517	Up	1.0000
hsa-miR-5698	2.2888	0.5663	0.2474	-2.0150	Down	0.9937
hsa-miR-582-3p	3.8768	8.1191	2.0943	1.0665	Up	1.0000
hsa-miR-582-5p	1.5327	3.5494	2.3158	1.2115	Up	0.9825
hsa-miR-589-3p	2.8373	1.3791	0.4861	-1.0408	Down	0.9602
hsa-miR-605-5p	3.5516	0.6238	0.1756	-2.5092	Down	1.0000
hsa-miR-6087	4.9019	2.3166	0.4726	-1.0814	Down	0.9425
hsa-miR-6125	2.2310	0.5995	0.2687	-1.8958	Down	1.0000
hsa-miR-615-3p	3.3297	1.0407	0.3125	-1.6779	Down	0.8906
hsa-miR-616-3p	2.2254	1.0000	0.4493	-1.1541	Down	0.9109
hsa-miR-616-5p	2.4634	1.0536	0.4277	-1.2253	Down	0.9146
hsa-miR-629-3p	5.6113	2.3484	0.4185	-1.2566	Down	1.0000

hsa-miR-632	2.0348	0.6137	0.3016	-1.7294	Down	1.0000
hsa-miR-636	1.1288	0.3358	0.2975	-1.7492	Down	1.0000
hsa-miR-639	1.6636	0.6384	0.3838	-1.3817	Down	0.9659
hsa-miR-642a-5p	6.3217	1.3233	0.2093	-2.2562	Down	1.0000
hsa-miR-6509-5p	2.0186	0.7081	0.3508	-1.5113	Down	0.9742
hsa-miR-6511b-3p	6.0069	1.0704	0.1782	-2.4885	Down	1.0000
hsa-miR-654-5p	3.0482	1.2344	0.4050	-1.3041	Down	0.9977
hsa-miR-658	1.3014	0.5002	0.3844	-1.3794	Down	0.9798
hsa-miR-660-5p	2.2135	5.6231	2.5404	1.3451	Up	1.0000
hsa-miR-664b-3p	3.5257	1.6555	0.4695	-1.0907	Down	0.9872
hsa-miR-664b-5p	1.8931	0.5150	0.2720	-1.8783	Down	0.9957
hsa-miR-671-3p	5.4620	1.6450	0.3012	-1.7313	Down	1.0000
hsa-miR-6715b-3p	2.6237	1.0128	0.3860	-1.3732	Down	0.9246
hsa-miR-6716-3p	2.2669	0.4919	0.2170	-2.2044	Down	0.9977
hsa-miR-6718-5p	1.8095	0.8466	0.4679	-1.0958	Down	0.8791
hsa-miR-6720-3p	3.5340	0.6781	0.1919	-2.3817	Down	1.0000
hsa-miR-6734-5p	1.7406	0.2830	0.1626	-2.6205	Down	1.0000
hsa-miR-6783-3p	1.4655	0.4927	0.3362	-1.5727	Down	0.9820
hsa-miR-6793-5p	2.2134	0.3106	0.1403	-2.8333	Down	1.0000
hsa-miR-6798-3p	2.0001	0.5010	0.2505	-1.9971	Down	0.9764
hsa-miR-6802-3p	2.4990	0.4253	0.1702	-2.5549	Down	1.0000
hsa-miR-6803-3p	2.6027	0.4165	0.1600	-2.6437	Down	1.0000
hsa-miR-6808-3p	2.2662	0.5157	0.2276	-2.1357	Down	1.0000
hsa-miR-6820-3p	2.3373	0.4872	0.2085	-2.2621	Down	0.9883
hsa-miR-6837-3p	1.8470	0.8783	0.4755	-1.0723	Down	0.9130
hsa-miR-6842-3p	3.8924	1.9175	0.4926	-1.0214	Down	0.9633
hsa-miR-6852-5p	1.6804	0.4803	0.2858	-1.8069	Down	1.0000
hsa-miR-6875-5p	1.4020	0.3698	0.2638	-1.9226	Down	1.0000
hsa-miR-6877-5p	1.8966	0.4892	0.2579	-1.9550	Down	0.9913
hsa-miR-6892-5p	4.0410	1.3006	0.3219	-1.6355	Down	1.0000
hsa-miR-7-1-3p	1.7627	4.8819	2.7695	1.4696	Up	1.0000
hsa-miR-708-3p	2.1237	4.9123	2.3131	1.2098	Up	0.9965
hsa-miR-760	2.8690	0.7586	0.2644	-1.9191	Down	0.9809
hsa-miR-7641	4.1602	0.8898	0.2139	-2.2251	Down	0.9975
hsa-miR-766-3p	7.2745	2.5337	0.3483	-1.5216	Down	1.0000
hsa-miR-767-5p	3.7319	0.9316	0.2496	-2.0021	Down	0.9667
hsa-miR-769-3p	2.2567	1.1222	0.4973	-1.0079	Down	0.9489
hsa-miR-7702	4.0383	0.6764	0.1675	-2.5779	Down	1.0000
hsa-miR-7704	2.4908	1.1270	0.4525	-1.1441	Down	0.9222
hsa-miR-7706	3.7800	1.4572	0.3855	-1.3752	Down	1.0000
hsa-miR-874-5p	1.8256	0.6420	0.3517	-1.5078	Down	0.9365
hsa-miR-877-3p	2.0723	0.4095	0.1976	-2.3394	Down	1.0000
hsa-miR-877-5p	3.3674	1.3911	0.4131	-1.2754	Down	0.9864

hsa-miR-887-3p	2.5669	1.2687	0.4942	-1.0167	Down	0.8913
hsa-miR-887-5p	2.6326	0.3853	0.1463	-2.7725	Down	1.0000
hsa-miR-891a-5p	2.6622	0.8362	0.3141	-1.6708	Down	0.9394
hsa-miR-92b-5p	1.8296	0.5724	0.3129	-1.6764	Down	1.0000
hsa-miR-937-3p	4.2654	1.7056	0.3999	-1.3224	Down	0.9898
hsa-miR-98-5p	1.8973	5.7835	3.0483	1.6080	Up	1.0000
hsa-miR-99a-3p	1.2988	0.6403	0.4930	-1.0203	Down	0.9103
