

Table S2 List of potential tumor suppressor and oncogenic miRNAs. Left; Tumor suppressor miRNAs which are downregulated in HCC and whose higher expressions are associated with good survival of HCC patients from GEO dataset GSE31384 are listed along with hazard ratio (HR), associated p-value and number of patients (N). Right; Oncogenic miRNAs which are upregulated in HCC and whose higher expression are associated with poor survival of HCC patients from GEO dataset GSE31384 are listed along with hazard ratio (HR), associated p-value and number of patients (N).

TS miRNA	HR	p-value	N	OG miRNA	HR	p-value	N
hsa-miR-126-3p	0.35	1.69E-02	166	hsa-miR-938	2.25	6.33E-04	166
hsa-miR-139-5p	0.37	4.07E-05	166	hsa-miR-628-3p	2.19	1.02E-03	166
hsa-miR-145-3p	0.38	7.67E-05	166	hsa-miR-675-5p	2.10	1.94E-03	166
hsa-miR-100-3p	0.39	7.07E-05	166	hsa-miR-551b-3p	2.05	3.04E-03	166
hsa-miR-26a-2-3p	0.39	1.17E-04	166	hsa-miR-671-3p	2.03	3.14E-03	166
hsa-miR-181c-3p	0.40	2.24E-04	166	hsa-miR-934	2.03	3.15E-03	166
hsa-miR-149-3p	0.46	1.11E-03	166	hsa-miR-671-5p	2.02	3.09E-03	166
hsa-miR-99b-3p	0.46	1.27E-03	166	hsa-miR-939-5p	1.94	5.56E-03	166
hsa-miR-29c-3p	0.46	1.35E-03	166	hsa-miR-589-3p	1.93	6.59E-03	166
hsa-miR-105-5p	0.46	1.69E-03	166	hsa-miR-658	1.91	7.27E-03	166
hsa-miR-31-5p	0.47	1.90E-03	166	hsa-miR-652-3p	1.90	7.38E-03	166
hsa-miR-141-5p	0.48	2.39E-03	166	hsa-miR-636	1.90	8.51E-03	166
hsa-miR-377-5p	0.48	2.67E-03	166	hsa-miR-770-5p	1.88	7.65E-03	166
hsa-miR-34b-3p	0.49	2.66E-03	166	hsa-miR-330-3p	1.88	9.35E-03	166
hsa-miR-208b-3p	0.49	3.13E-03	166	hsa-miR-933	1.84	1.06E-02	166
hsa-miR-125b-2-3p	0.50	4.09E-03	166	hsa-miR-92b-5p	1.83	1.04E-02	166
hsa-miR-422a	0.50	4.66E-03	166	hsa-miR-92b-3p	1.79	1.35E-02	166
hsa-miR-424-3p	0.51	4.17E-03	166	hsa-miR-877-5p	1.77	1.59E-02	166
hsa-miR-98-5p	0.51	4.90E-03	166	hsa-miR-374a-5p	1.75	1.98E-02	166
hsa-miR-146b-3p	0.52	6.63E-03	166	hsa-miR-611	1.71	2.39E-02	166
hsa-miR-302a-5p	0.52	7.66E-03	166	hsa-miR-629-3p	1.71	2.46E-02	166
hsa-miR-181d-5p	0.53	6.61E-03	166	hsa-miR-9-3p	1.69	2.69E-02	166
hsa-miR-29a-5p	0.53	7.54E-03	166	hsa-miR-769-3p	1.66	3.25E-02	166
hsa-miR-10b-5p	0.55	1.28E-02	166	hsa-miR-410-3p	1.66	3.57E-02	166
hsa-miR-194-3p	0.55	1.70E-02	166	hsa-miR-186-5p	1.63	3.78E-02	166
hsa-miR-30a-5p	0.56	1.43E-02	166	hsa-miR-518d-3p	1.62	4.37E-02	166
hsa-miR-518a-3p	0.56	1.54E-02	166	hsa-miR-9-5p	1.61	4.41E-02	166
hsa-miR-183-5p	0.56	1.80E-02	166				
hsa-miR-29b-3p	0.57	1.65E-02	166				
hsa-miR-122-3p	0.57	1.94E-02	166				
hsa-miR-302c-3p	0.57	2.00E-02	166				
hsa-miR-340-5p	0.57	2.09E-02	166				
hsa-miR-200b-3p	0.58	2.33E-02	166				
hsa-miR-496	0.59	2.59E-02	166				
hsa-miR-219a-1-3p	0.59	2.64E-02	166				
hsa-miR-378a-3p	0.59	2.85E-02	166				
hsa-miR-219a-2-3p	0.59	2.95E-02	166				
hsa-miR-144-3p	0.60	2.99E-02	166				
hsa-miR-490-5p	0.60	3.40E-02	166				
hsa-miR-122-5p	0.60	3.41E-02	166				
hsa-let-7b-3p	0.60	3.80E-02	166				
hsa-miR-34b-5p	0.61	3.58E-02	166				
hsa-miR-10b-3p	0.61	3.68E-02	166				
hsa-miR-135a-5p	0.61	4.16E-02	166				
hsa-miR-181a-3p	0.62	4.07E-02	166				
hsa-miR-142-3p	0.62	4.22E-02	166				