

Supplementary Information

Table S1. Expression levels of miR-23a and *APAF1* in clinical carcinogenesis of colorectal cancer (CRC) samples. **(A)** Endogenous expressions of miR-23a and *APAF1* mRNA in the blood samples obtained from 32 healthy controls (CTL) and 70 CRC patients (C); assayed using RT-qPCR and expressed as fold change ($2^{-\Delta\Delta C_t}$) value with respect to the healthy controls; and **(B)** Endogenous expressions of miR-23a, *APAF1* mRNA and APAF1 protein in the subset of 30 paired cancer tissues. Tissue miR-23a and *APAF1* mRNA levels were determined by RT-qPCR while tissue APAF1 protein expression was detected by Western blot. Expression value was calculated as fold change of cancer tissue versus the adjacent normal mucosa.

Table S1. (A).

Blood Sample	Fold Change		Blood Sample	Fold Change	
	miR-23a	<i>APAF1</i> mRNA		miR-23a	<i>APAF1</i> mRNA
CTL_WB	1.2980	1.0336	C_KX	5.1983	0.3260
CTL_WC	2.1623	0.6431	C_KY	0.5935	0.5320
CTL_WD	2.7579	0.6115	C_KZ	2.0115	0.2042
CTL_WF	2.3725	0.8409	C_LA	0.5299	0.4724
CTL_XF	0.5650	1.8544	C_LC	3.9284	0.4523
CTL_XL	0.7041	2.4242	C_LD	1.1560	0.3610
CTL_XM	4.3584	0.4337	C_LE	4.1912	0.4696
CTL_XU	0.9979	2.1795	C_LF	3.4732	0.1846
CTL_XZ	0.6516	0.9474	C_LG	0.5006	1.4162
CTL_YA	0.7401	1.3008	C_LI	2.0944	0.5052
CTL_YC	1.2297	1.3128	C_LJ	1.1709	0.5610
CTL_YD	2.2761	0.9059	C_LK	1.0853	0.5820
CTL_YF	0.9529	2.4128	C_LM	0.9533	0.2313
CTL_YH	1.3371	1.7461	C_LN	0.3992	0.3053
CTL_YJ	0.5298	0.7091	C_LO	1.1179	1.0678
CTL_YL	0.7726	1.2841	C_LP	0.0724	0.2916
CTL_YN	2.6184	1.3244	C_LQ	1.4897	2.5796
CTL_YO	2.4846	0.5803	C_LR	0.2032	0.1669
CTL_YQ	1.0988	2.3799	C_LS	1.2425	1.4301
CTL_YW	4.5931	1.8306	C_LU	2.6450	0.2668
CTL_ZB	0.1561	1.2619	C_LX	2.0178	1.3228
CTL_ZF	0.1544	2.5886	C_LY	2.9558	1.1050
CTL_ZJ	0.1636	1.9763	C_LZ	1.1938	1.7919
CTL_ZM	0.6988	1.3223	C_MA	1.1491	0.4676
CTL_ZN	1.2166	2.9708	C_MB	3.0863	0.4327
CTL_ZP	2.9786	0.3963	C_MC	0.7103	1.4348
CTL_ZQ	0.1874	0.2099	C_MD	1.6959	0.7204
CTL_ZR	0.1758	0.1302	C_MG	1.0279	1.7903

Table S1. (A). *Cont.*

Blood Sample	Fold Change		Blood Sample	Fold Change	
	miR-23a	<i>APAF1</i> mRNA		miR-23a	<i>APAF1</i> mRNA
CTL_ZT	0.7534	0.1883	C_MI	2.2409	0.2308
CTL_ZW	1.0035	0.4654	C_MK	1.2518	0.1457
CTL_ZY	1.8724	1.5038	C_ML	2.2431	0.3427
CTL_ZZ	2.9238	1.0102	C_MN	2.6407	0.1910
C_C	10.0868	1.2307	C_MO	0.7173	1.1146
C_F	0.7284	1.2467	C_MP	2.7526	1.2497
C_G	6.7512	0.3446	C_MS	0.7668	0.2584
C_H	1.0948	0.4548	C_MV	1.7642	1.3794
C_KA	4.4825	0.9426	C_MW	2.7149	0.2476
C_KB	1.6411	0.9520	C_MX	2.5130	0.3123
C_KD	1.5969	0.4207	C_MY	2.8983	0.9169
C_KF	0.8814	1.3852	C_MZ	1.2831	0.3894
C_KG	0.8886	0.1956	C_NA	0.7897	0.1392
C_KH	1.1223	1.0171	C_ND	2.2929	1.5791
C_KI	0.9392	1.4141	C_NG	1.7315	1.2542
C_KJ	0.8325	1.3964	C_NH	1.7607	1.7045
C_KK	0.7216	0.5864	C_NI	2.0009	0.8834
C_KM	2.2030	0.3590	C_NL	2.8009	1.2504
C_KN	4.5832	0.6276	C_NN	1.4899	0.8348
C_KR	0.9345	0.3744	C_NQ	1.7284	0.2657
C_KS	1.1212	1.0523	C_NR	0.9127	0.1450
C_KT	2.6839	0.8877	C_NS	0.8104	1.3975
C_KU	0.7299	0.2022	C_NV	1.6145	1.4826

Table S1. (B).

Paired Tissue Sample	Fold Change		
	miR-23a	<i>APAF1</i> mRNA	<i>APAF1</i> Protein
C_KB	0.8183	0.3013	0.4469
C_KF	0.5263	0.3939	0.7943
C_KG	1.0981	0.3946	0.9720
C_KI	0.6040	0.7304	1.2070
C_KN	3.4987	0.1597	0.8361
C_KS	1.7579	0.1089	0.6136
C_KU	0.7696	0.0221	1.0867
C_KX	6.6793	0.0800	0.6592
C_KY	0.5172	0.4202	0.7827
C_LC	2.0456	0.1775	0.3421
C_LE	5.6637	0.1506	0.4178
C_LF	5.0208	0.1050	0.6098
C_LJ	2.2800	0.1404	0.8293
C_LK	2.5638	0.4111	0.8709
C_LM	2.4835	0.0774	0.4970
C_LP	0.1329	0.5655	0.8649
C_LR	0.7905	0.1955	1.1586
C_LX	1.7387	0.1741	0.6734
C_LY	4.7860	0.1548	0.5479
C_ML	3.9549	0.0482	0.8409
C_MN	3.0303	0.0437	0.5981
C_MS	0.3240	0.2913	1.1646
C_MV	1.1640	0.1930	0.3855
C_MY	4.0591	0.0959	0.5341
C_NA	0.1988	0.2330	1.1435
C_NH	1.8119	0.2538	0.7696
C_NI	2.1900	0.1603	0.4717
C_NQ	1.4088	0.1835	0.9567
C_NR	0.9086	0.2163	0.5861
C_NV	3.8037	0.7431	0.8116