

Supplementary Table S2: microRNA expression levels in patient material

	hsa-miR-192	hsa-miR-194	hsa-miR-215
norm	2,0638032	1,5153191	1,48113355
norm	1,7159519	0,9314417	1,48201367
norm	2,4237418	1,15437485	2,0054486
norm	1,3093104	0,60965708	1,5688438
norm	2,28276815	1,8816831	2,501659
norm	1,3663578	1,73083455	1,5539459
norm	2,57213915	1,34121695	2,27546925
norm	1,8183496	0,75325969	1,76791845
norm	2,1470934	0,88221417	1,5303923
norm	0,6136519	0,8631431	0,48074918
tumor(msi)	1,8766603	1,71952995	2,2397269
tumor(msi)	0,6055992	0,9547181	0,30595577
tumor(msi)	1,5960565	0,7864509	1,6201423
tumor(msi)	1,4866753	0,65808228	1,17429385
tumor(msi)	1,22170515	0,75781668	0,77365143
tumor(msi)	1,74498175	0,40964055	0,8120211
tumor(msi)	2,55591775	1,55431825	2,26450145
tumor(msi)	0,49823779	0,82358502	0,88599772
tumor(msi)	0,62808125	0,54358564	0,30950524
tumor(msi)	0,74787537	0,43729453	0,03271008
tumor(msi)	0,45132125	0,28162069	-0,10142288
tumor(msi)	1,4113954	0,9265341	0,89280251
tumor(mss)	1,67090915	0,77958355	1,2134277
tumor(mss)	1,1499832	0,92768905	0,46387968
tumor(mss)	1,6910089	1,4582801	1,29837605
tumor(mss)	1,0827973	0,43176628	0,43445475
tumor(mss)	0,91307112	1,3869114	0,92615645
tumor(mss)	0,57053094	1,19275158	0,35472457
tumor(mss)	0,74724195	0,26004103	1,30826805
tumor(mss)	0,12372817	-0,26139771	-0,22094626
tumor(mss)	0,13473452	-0,06386546	0,12291722
tumor(mss)	2,0740297	1,1464771	1,43251125
tumor(mss)	1,488688	0,82451303	0,0807231
tumor(mss)	0,40764932	0,5992776	0,46919059
tumor(mss)	1,7921693	1,04906345	1,6621124
tumor(mss)	-0,26000259	-0,08759943	-0,50786529
tumor(mss)	-0,28762536	-0,29722723	-0,18669941
tumor(mss)	0,42191392	-0,38167384	-0,0967169
tumor(mss)	-0,2172365	0,12813674	0,30908939
tumor(mss)	-0,1773502	0,07138739	0,15630861
tumor(mss)	-1,03883305	-1,04288225	-0,79035719
tumor(mss)	-0,50034824	-0,49950495	-0,29685592
tumor(mss)	0,40043542	-0,55790758	0,80496671
tumor(mss)	-0,89780878	-1,35741585	0,94816688
tumor(mss)	0,31230966	0,06276999	0,4089695
tumor(mss)	-0,3292109	-0,10904376	-0,69383673
tumor(mss)	1,14422802	0,23461212	0,44779259
tumor(mss)	0,83448499	0,55384723	0,91792252
tumor(mss)	0,0079042	-0,39010499	0,22346742
tumor(mss)	0,05542948	-0,31886482	0,19962412
tumor(mss)	1,5017141	1,3201504	1,1567047
tumor(mss)	1,5608522	1,6802579	1,29109075
tumor(mss)	1,82372025	2,3180964	2,3881094
tumor(mss)	0,33605034	0,38943483	-0,06595788
tumor(mss)	1,59330835	1,1893626	0,81730255
tumor(mss)	-0,27542279	-0,06666825	0,01815338
tumor(mss)	1,7203961	0,82006874	1,00257415
tumor(mss)	0,36359143	0,17750317	-0,10117846
tumor(mss)	0,88895715	0,34422964	-0,11658793

Supplementary Table S3: Clinical & histopathological data for 59 samples used for miRNA expression profiling

Used for recurrence classification analysis	Material	Sample ID	Location	Age §	Gender	MSS/MSI status	Histological type	Grade	pT	pN	UICC stage	Follow-Up time until distant recurrence (months)*	Recurrence Censored (1=recur, 0=non-recur)**	Survival (months)	Survival Censored (1=dead, 0=alive)
yes	Tumor	R111	colon	37	m	MSS	AC	2	4	0	2	5	1	14	1
yes	Tumor	R047	colon	58	m	MSS	AC	2	3	0	2	6	1	6	0
yes	Tumor	R093	colon	57	f	MSS	AC	2	4	0	2	10	1	30	1
yes	Tumor	R080	colon	69	m	MSS	AC	2	4	0	2	10	1	16	1
yes	Tumor	R083	colon	67	f	MSS	AC	2	4	0	2	11	1	25	1
yes	Tumor	R151	colon	67	f	MSS	AC	2	3	0	2	12	1	12	0
	Tumor	R089	colon	79	m	MSS	AC	2	4	0	2	13	0	13	1
yes	Tumor	R072	colon	36	f	MSS	AC	3	4	0	2	15	1	15	0
yes	Tumor	R102	colon	81	m	MSS	AC	3	4	0	2	19	1	46	1
yes	Tumor	R013	colon	65	m	MSS	AC	2	3	0	2	19	1	19	0
yes	Tumor	R123	colon	44	m	MSS	AC	2	4	0	2	24	1	29	1
	Tumor	R002	colon	70	f	MSI	MAC	1	3	0	2	32	1	32	0
	Tumor	R077	colon	39	m	MSI	AC	1	4	0	2	42	1	42	0
yes	Tumor	R087	colon	79	m	MSS	AC	0	3	0	2	43	1	62	1
	Tumor	R094	colon	75	m	MSS	AC	3	4	0	2	44	0	44	1
	Tumor	R079	colon	65	m	MSS	AC	NA	4	0	2	46	0	46	1
yes	Tumor	R351-2	colon	81	f	MSS	AC	1	3	0	2	51	1	51	0
	Tumor	R010	colon	61	f	MSI	AC	2	3	0	2	52	0	83	0
yes	Tumor	R025	colon	80	f	MSS	AC	2	3	0	2	53	0	70	0
	Tumor	R021	colon	81	m	MSI	AC	2	3	0	2	53	0	73	0
yes	Tumor	R152	colon	70	f	MSS	AC	2	3	0	2	53	1	53	0
yes	Tumor	R005	colon	72	m	MSS	AC	1	3	0	2	56	0	93	0
yes	Tumor	R003	colon	56	m	MSS	AC	3	4	0	2	60	0	93	0
	Tumor	R135	colon	80	m	MSS	AC	2	3	0	2	61	1	61	0
	Tumor	R056	colon	87	f	MSI	AC	3	4	0	2	62	0	62	1
	Tumor	R016	colon	58	m	MSI	AC	1	3	0	2	64	0	90	0
	Tumor	R018	colon	84	m	MSI	MAC	3	4	0	2	67	0	81	1
	Tumor	R020	colon	67	m	MSI	AC	2	3	0	2	67	1	67	0
	Tumor	R073	colon	73	f	MSI	AC	3	3	0	2	68	0	68	0
yes	Tumor	R024	colon	78	m	MSS	AC	2	3	0	2	70	0	73	0

yes	Tumor	R160	colon	86	f	MSS	AC	2	3	0	2	71	0	71	0
yes	Tumor	R078	colon	68	m	MSS	AC	2	3	0	2	75	0	75	0
yes	Tumor	R098	colon	69	f	MSS	AC	3	4	0	2	75	0	75	0
yes	Tumor	R082	colon	46	f	MSS	AC	2	4	0	2	77	0	77	0
yes	Tumor	R158	colon	67	m	MSS	AC	2	4	0	2	77	0	77	0
	Tumor	R168	colon	67	f	MSS	AC	2	3	0	2	80	1	83	1
	Tumor	R141	colon	50	m	MSS	AC	2	3	0	2	80	1	80	0
	Tumor	R023	colon	69	f	MSI	AC	2	3	0	2	87	0	87	0
	Tumor	R009	colon	79	f	MSI	AC	1	3	0	2	89	0	89	1
yes	Tumor	R004	colon	64	m	MSS	AC	2	3	0	2	95	0	95	0
yes	Tumor	R095	colon	66	m	MSS	AC	1	4	0	2	95	0	95	0
yes	Tumor	R162	colon	47	f	MSS	AC	2	3	0	2	95	0	95	0
yes	Tumor	R085	colon	83	m	MSS	AC	2	3	0	2	104	0	104	0
yes	Tumor	R086	colon	56	f	MSS	AC	2	4	0	2	104	0	104	0
	Tumor	R040	colon	52	m	MSI	AC	3	3	0	2	111	0	111	0
yes	Tumor	R097	colon	56	f	MSS	AC	2	4	0	2	117	0	117	0
yes	Tumor	R007	colon	63	f	MSS	AC	2	3	0	2	132	0	132	0
yes	Tumor	R006	colon	58	m	MSS	AC	3	3	0	2	135	0	135	0
yes	Tumor	R088	colon	56	f	MSS	AC	2	4	0	2	148	0	148	0
	Normal	A096-01	colon	60	m	-	-	-	-	-	-	-	-	-	-
	Normal	A096-02	colon	69	m	-	-	-	-	-	-	-	-	-	-
	Normal	A096-03	colon	72	f	-	-	-	-	-	-	-	-	-	-
	Normal	A096-04	colon	58	m	-	-	-	-	-	-	-	-	-	-
	Normal	A096-05	colon	61	m	-	-	-	-	-	-	-	-	-	-
	Normal	A096-06	colon	73	m	-	-	-	-	-	-	-	-	-	-
	Normal	A096-07	colon	83	m	-	-	-	-	-	-	-	-	-	-
	Normal	A096-08	colon	52	m	-	-	-	-	-	-	-	-	-	-
	Normal	A096-09	colon	61	m	-	-	-	-	-	-	-	-	-	-
	Normal	A096-10	colon	85	f	-	-	-	-	-	-	-	-	-	-

Abbreviations: m=male, f=female, MSS=microsatellite stable, MSI= microsatellite unstable, AC=adenocarcinoma, MAC=mucinous adenocarcinoma, NA=not available/applicable

§ Age at time of surgery

* follow-up time until distant metastasis, or the present follow-up for cases where metastasis has not yet occurred - see the recurrence censored column.

**recurrence=histopathological verified recurrence to the liver and/or lung

Supplementary table S4: Differential expression of hsa-miR192, hsa-miR194, and hsa-miR215 in normal mucosa compare to MSS and MSI colon cancer

	normal vs MSS			normal vs MSI		
	<i>p</i> -value*	Regulation§	Fold (log2)#	<i>p</i> -value*	Regulation§	Fold (log2)#
hsa-miR-192	0,0002	down	-1,5	0,0479	down	-0,6
hsa-miR-194	0,0028	down	-0,8	0,0649	down	-0,3
hsa-miR-215	<0.0001	down	-1,2	0,0296	down	-0,7

*Mann-Whitney U test

§ Regulation (up or down) is stated as miRNA expression in MSS (or MSI) cancer relative to normal mucosa.

fold changes are calculated as the median log2 fold change between the groups compared.