

Supplementary materials for:

Assessment of a serum microRNA risk score for colorectal cancer among participants of screening colonoscopy at various stages of colorectal carcinogenesis

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Supplementary Table S1. Information on the quantitative real-time polymerase chain reaction primers (QIAGEN).

	microRNA	Accession	Catalog number	Sequence
1	let-7g-5p	MIMAT0000414	YP00204565	UGAGGUAGUAGUUUGUACAGUU
2	miR-19a-3p	MIMAT0000073	YP00205862	UGUGCAAUCUAUGCAAACUGA
3	miR-23a-3p	MIMAT0000078	YP00204772	AUCACAUUGCCAGGGAUUUCC
4	miR-92a-3p	MIMAT0000092	YP00204258	UAUUGCACUUGUCCCGGCCUGU
5	miR-144-5p	MIMAT0004600	YP00204670	GGAUAUCAUCAUAUACUGUAAG
6	miR-21-5p	MIMAT0000076	YP00204230	UAGCUUAUCAGACUGAUGUUGA
7	miR-27a-3p	MIMAT0000084	YP00206038	UUCACAGUGGCUAAGUCCGC
8	miR-93-5p	MIMAT0000093	YP00204715	CAAAGUGCUGUUCGUGCAGGUAG
9	miR-1246	MIMAT0005898	YP00205630	AAUGGAUUUUUGGAGCAGG
10	miR-223-3p	MIMAT0000280	YP00205986	UGUCAGUUUGUCAAAUACCCCA

Supplementary Table S2. Comparison of miR-score distributions between groups with various findings at screening colonoscopy including sub-groups of advanced colorectal adenomas with and without high-grade dysplasia.

miR-score	Comparison CRC-HGDAA	Comparison HGDAA- WoHGDAA	Comparison WoHGDAA- NAA	Comparison NAA
	CRC (n = 52)	HGDAA (n = 9)	WoHGDAA (n = 91)	NAA (n = 88)
Mean (SD)	-0.8 (0.7)	-0.2 (0.7)	-0.6 (0.7)	-0.8 (0.7)
Median (range)	-0.8 (-2.6-0.7)	-0.1 (-1.3-1.2)	-0.6 (-2.4-0.6)	-0.8 (-2.6-0.9)
<i>p</i> -value ^a	0.013	0.083		0.068
	OR (95% CI) ^b	OR (95% CI) ^b	OR (95% CI) ^b	
OR per SD increase	0.32 (0.12-0.88)	2.47 (1.03- 5.90)	1.27 (0.94-1.72)	

^a Assessed by Mann-Whitney test. ^b Adjusted for age and sex. Bold values indicate statistically significant results. Abbreviations: CI, confidence interval; CRC, colorectal cancer; HGDAA, advanced colorectal adenoma with high-grade dysplasia; miR-score, microRNA risk score; n, number; NAA, non-advanced colorectal adenoma; OR, odds ratio; SD, standard deviation; WoHGDAA, advanced colorectal adenoma without high-grade dysplasia.