

Table S1 Characteristics of study population and advanced colorectal adenoma

Clinical feature	MiR microarray cohort (excluding 3 healthy volunteers n =6)	Retrospective cohort (excluding 37 healthy volunteers n=227)	Prospective cohort (n=158)
Age at enrollment, y			
Mean (SD)	50.3 (5.4)	58.4 (9.9)	58.5 (10.0)
Range	41-57	32-81	23-84
Gender, No. (%)			
Male	4 (67)	149 (66)	103 (65)
Female	2 (33)	78 (34)	55 (35)
BMI			
<23, No. (%)	4 (67)	126 (56)	82 (52)
\geq 23, No. (%)	2 (33)	101 (44)	76 (48)
Adenoma size ^a			
<1 cm No. (%)	0(0)	156 (69)	111 (71)
1 to 2 cm, No. (%)	3 (50)	53 (23)	36 (23)
\geq 2cm, No. (%)	3 (50)	18 (8)	11 (6)
No. of adenomas			
<3	4 (67)	156 (69)	109(69)
\geq 3	2 (33)	71 (31)	49 (31)
Location			
Distal colon and rectum	1 (17)	127 (56)	94 (59)
Proximal	4 (66)	73 (32)	46 (29)
Both ^b	1 (17)	27 (12)	18 (12)
Villous components ^c			
<50%, No. (%)	3 (50)	130 (57)	93 (59)
\geq 50%, No. (%)	3 (50)	97 (43)	65 (41)
Intraepithelial neoplasia grade ^c			
Mild grade, No. (%)	5 (83)	165 (73)	114 (72)
High-grade, No. (%)	1 (17)	62 (27)	44 (28)

^a Size of largest adenoma^b Adenomas in both distal colon and rectum and proximal colon^cHighest degree of histology.