Supplementary Table 1: Demographic profile of OMP and non-OMP clusters

		OMP cluster (14)	Non-OMP cluster (130)	P value*
Age (Mean± Standard deviation)		59.50± 7.24	57.05± 9.36	0.3510
Sex	Males	9	62	0.2720
	Females	5	68	
Race	Caucasian	3	65	0.0508
	African American	11	65	
Location	Distal	11	67	0.0877
	Proximal	3	63	
Cancer status	Cancer	14	62	**0.0001**
	Healthy	0	68	

*ttest for Age and Fisher's exact test for other variables.
Bold indicates significance.

Supplementary Table 2: Validation of OMP group in publicly available colorectal cancer datasets

Supplementary Table 2A: OMP analysis in publicly available colorectal cancer datasets

GEO dataset	Controls		CRC patients		p value*
	OMPs n(%)	Non-OMPs n(%)	OMPs n(%)	Non-OMPs n(%)	
GSE131013	1 (2.08)	47 (97.92)	9 (9.37)	87 (90.63)	0.16
GSE132804	3 (1.29)	230 (98.71)	30 (29.70)	71 (70.3)	<.0001
GSE48684	1 (1.69)	58 (98.31)	2 (8.33)	22 (91.67)	0.20

* Fisher's exact test for CRC vs Controls.

Supplementary Table 2B: Demographic profile of GSE132804

		Cancer (n=101)	Control (n=233)	P value*
Age (Mean± Standard deviation)		59.00± 12.52	60.57± 10.53	0.1613
Sex	Males	58	116	0.2332
	Females	43	117	
Location	Distal	101	233	1.0000
	Proximal	0	0	

*ttest for Age and Fisher's exact test for other variables.