

Table S1 Interfering disease types and the effect on the outcome of tests

Disease types and distribution	Number of positive/total tested number				
	Stool mSDC2	Plasma mSEPT9	Serum CEA	Serum CA19-9	Serum CA724
Non-CRC cancers	6/16	4/12	3/16	4/11	2/13
GI cancers					
Gastric cancer	0/4	0/3	0/4	1/4	0/4
Small intestine cancer	1/2	0/1	1/2	1/2	0/2
Non-GI cancers					
Prostate cancer	1/4	3/4	1/4	2/2	0/2
Lymphoma	3/3	0/3	0/3	0/3	0/2
Lung cancer	1/2	1/1	0/2	0/0	1/2
Cancer of the female reproductive system	0/1	0/0	1/1	0/0	1/1
Non-neoplasm GI disorders	42/357	4/31	1/60	1/48	6/50
Polyps	3/34	0/8	1/14	0/12	1/11
Inflammatory bowel disease	1/7	0/1	0/6	0/6	1/6
Gastritis	0/1	0/0	0/1	0/0	0/0
Hemorrhoids	26/224	1/11	0/19	0/14	2/15
Perianal fistulas	8/55	0/2	0/9	0/6	2/8
Abscesses	1/14	1/2	0/1	0/1	0/1
Colonic angiodysplasia	0/1	0/0	0/1	0/1	0/1
Neuroendocrine tumor	0/5	1/3	0/3	1/2	0/2
Rectal prolapse	0/3	0/1	0/1	0/1	0/1
Intestinal tuberculosis	0/1	0/1	0/1	0/0	0/0
Cholecystitis	0/1	0/0	0/1	0/1	0/1
Hairy sinus tract	0/1	0/0	0/0	0/0	0/0
Anal fissure	3/7	0/0	0/0	0/0	0/0
Lipomyoma	0/1	0/0	0/1	0/1	0/1
Melanoma	0/2	1/2	0/2	0/2	0/2
Other non-GI disorders	0/7	1/4	2/6	0/4	1/4
Rheumatoid arthritis	0/1	0/0	0/1	0/1	0/1
Schwannoma	0/1	0/1	0/1	0/1	0/1
Hernia	0/2	1/1	2/2	0/2	1/2
Presacral cyst	0/1	0/1	0/1	0/0	0/0
Pelvic benign tumor	0/1	0/1	0/1	0/0	0/0
Leiomyoma	0/1	0/0	0/0	0/0	0/0

mSDC2, methylated *syndecan2*; mSEPT9, methylated *septin9*; CEA, carcinoembryonic antigen; CA19-9, carbohydrate antigen 19-9; CA724, carbohydrate antigen 724; CRC, colorectal cancer; GI, gastrointestinal.

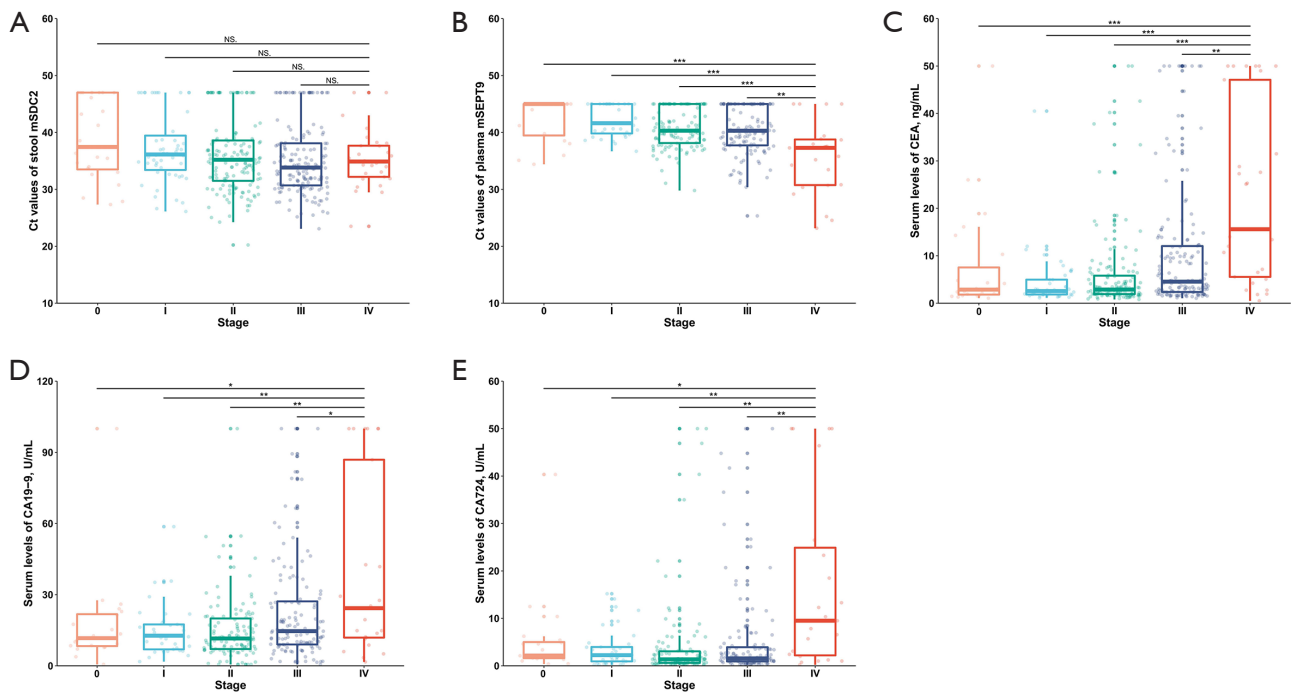


Figure S1 Levels of five biomarkers according to CRC stage. (A) Levels of methylated SDC2 in stool. (B) Levels of methylated SEPT9 in plasma. (C) Levels of CEA in serum. (D) Levels of CA19-9 in serum. (E) Levels of CA724 in serum. ***, $P < 0.001$; **, $P < 0.01$; *, $P < 0.05$. NS., nonsignificant; CRC, colorectal cancer; SDC2, *syndecan2*; SEPT9, *septin9*; CEA, carcinoembryonic antigen; CA19-9, carbohydrate antigen 19-9; CA724, carbohydrate antigen 724.