

Table S1. Clinical characteristics of colorectal and gastric cancer patients and healthy controls.

	No. (%) or mean \pm SD Participants of each group			P-value ^a	
	CC (n = 80)	GC (n=75)	HC (n =90)	CC vs. HC	GC vs. HC
Age (years)	60.78 \pm 11.61	59.71 \pm 12.45	45 \pm 13.252	<0.001	<0.001
Gender					
Male	47(58.8)	47(62.7)	57(63.3)	0.7	0.9
Female	33(41.3)	28(37.3)	33(36.7)		
BMI (kg/m²)	23.60 \pm 3.32	22.36 \pm 3.31			
Smoking status					
Never	64(90.1)	58(78.4)			
Ever	7(9.9)	16(21.6)			
Drinking status					
Never	66(93.0)	68(91.9)			
Ever	5(7.0)	6(8.1)			
Tumor size, Greatest dimension (mm)	39.99 \pm 15.75	44.2 \pm 26.889			
Diagnosis					
Primary	77(96.3)	73(97.3)			
Postoperative recurrence	1(1.2)	2(2.7)			
Resection of tumors	2(2.5)	0			
TNM stages					
I	5(6.5)	11(15.5)			
II	7(9.1)	10(14.1)			
III	43(55.8)	37(52.1)			
IV	22(28.6)	13(18.3)			
Pathological grade					

Good	4(6.8)	5 (7.8)		
Moderate	51(74.6)	12(18.8)		
Low	11(18.6)	47(73.4)		
Depth of invasion				
T1	4(6.3)	12(18.8)		
T2	7(10.9)	0(0)		
T3	2(3.1)	11(17.2)		
T4	51(79.7)	41(64.0)		
Lymphatic metastasis				
Positive	35(53.8)	39(62.9)		
Negative	30(46.2)	23(37.1)		
Distal metastasis				
Positive	22(28.2)	11(15.4)		
Negative	56(71.8)	60(84.5)		
AFP				
Positive	0(0)	4(7.5)		
Negative	74(100)	49(92.5)		
CEA				
Positive	24(33.8)	9(13.6)		
Negative	47(66.2)	57(86.4)		
CA19-9				
Positive	15(21.4)	9(14.3)		
Negative	55(78.6)	54(85.7)		
CA72-4				
Positive	11(16.9)	18(29.0)		
Negative	54(83.1)	44(71.0)		
NSE				
Positive	8(19.5)	6(13.0)		

Negative	33(80.5)	40(87.0)	
CK19			
Positive	17(42.5)	15(35.7)	
Negative	23(57.5)	27(64.3)	
CA15-3			
Positive	0(0)	1(2.8)	
Negative	48(100)	35(97.2)	
CA125			
Positive	6(11.3)	2(5.1)	
Negative	47(88.7)	37(94.9)	
Collected sample No.			
Only Peripheral blood	36(45.0)	23(30.7)	90(100)
Both peripheral blood and tissue	37(46.25)	39(52.0)	
Only tissue	7(8.75)	13(17.3)	

^a Chi-squared test.

Notes: CC, Colorectal Cancer; GC, Gastric Cancer; HC, Healthy Control; BMI: body mass index; NES: Neuron-Specific Enolase; CEA: carcinoembryonic antigen; AFP: alpha-fetoprotein; CA125: carbohydrate antigen 125; CA15-3: carbohydrate antigen 15-3; CA19-9: carbohydrate antigen 19-9; CA72-4: carbohydrate antigen 72-4.