

Supplementary Table S1. Correlation between clinicopathological parameters and Smad4 expression

Parameter	No. (n=529)	Smad4+ (n=209) (%)	Smad4- (n=320) (%)	p-value (chi-square test)
Age (yr)				.197
<65	360	149 (71.3)	211 (65.9)	
≥65	169	60 (28.7)	109 (34.1)	
Sex				.607
Female	230	88 (42.1)	142 (44.4)	
Male	299	121 (57.9)	178 (55.6)	
Tumor location				.081
Right	108	49 (23.4)	59 (18.4)	
Transverse and left	55	25 (12)	30 (9.4)	
Rectosigmoid	366	135 (64.6)	231 (72.2)	
Tumor size (cm)				.725
≤4.5	175	71 (34)	104 (32.5)	
>4.5	354	138 (66)	216 (67.5)	
Growth pattern				.4
Fungating	124	53 (25.4)	71 (22.2)	
Ulcerating	405	156 (74.6)	249 (77.8)	
Histologic grade				.084 ^a
1	23	6 (2.9)	17 (5.3)	
2	395	153 (73.2)	242 (75.6)	
3	111	50 (23.9)	61 (19.1)	
AJCC stage				.128 ^a
Tis	12	3 (1.4)	9 (2.8)	
I	34	19 (9.1)	15 (4.7)	
II	189	81 (38.8)	108 (33.3)	
III	294	106 (50.7)	188 (58.8)	
T category				.277 ^a
Tis	12	3 (1.4)	9 (2.8)	
1	9	5 (2.4)	4 (1.3)	
2	37	22 (10.5)	15 (4.7)	
3	458	176 (84.2)	282 (88.1)	
4	13	3 (1.4)	10 (3.1)	
N category				.013 ^a
0	235	103 (49.3)	132 (41.3)	
1	133	56 (26.8)	77 (24.1)	
2	161	50 (23.9)	111 (34.7)	
Lymphovascular invasion				.081
Absence	226	99 (47.4)	127 (39.7)	
Presence	303	110 (52.6)	193 (60.3)	
Mismatch repair protein				.195
Defective	236	86 (41.1)	150 (46.9)	
Intact	293	123 (58.9)	170 (53.1)	

Values are presented as number (%).

AJCC, 8th edition of American Joint Committee on Cancer.

*p < .05.

^aLinear by linear association.