

Table SI. Clinicopathological characteristics of stage 1-4 CRC patients of the in-house clinical cohort.

Variable	Value
Median age at operation, years (range)	70 (31-90)
Sex, n (%)	
Male	92
Female	74
Median tumor size, mm (range)	40 (3-130)
Tumor location, n (%)	
Cecum	13
Ascending colon	37
Transverse colon	15
Descending colon	13
Sigmoid colon	29
Rectum	59
Macroscopic type, n (%)	
Type 0, 1, 2	145
Type 3, 4, 5	21
Histological type, n (%)	
Intestinal	154
Diffuse	12
T stage, n (%)	
T0, T1	38
T2	23
T3	75
T4	28
Lymph node metastasis, n (%)	
Negative	101
Positive	65
Lymphatic invasion, n (%)	
Negative	68
Positive	98
Venous invasion, n (%)	
Negative	77
Positive	89
UICC stage, n (%)	
0, 1	57
2	41
3	41
4	27

No	40	27	13		41	23	18	
Yes	32	21	11	>0.99	34	19	15	0.58
Type of adjuvant chemotherapy								
None	40	27	13		41	23	18	
Oral	26	17	9		28	15	13	
Injection	6	4	2	0.98	6	4	2	0.84

^aP<0.05. Age and tumor size were dichotomized by median value. GPX4 and HSPB1 were dichotomized by Youden index for RFS. Adjuvant chemotherapy: Oral, Capecitabine/S-1; injection, mFOLFOX6/capecitabine + oxaliplatin (CAPOX).