

Table S1 The number of samples in the subgroup analysis

Subgroup	BT	BS	AS
pCR			
Yes	8	8	8
No	29	29	27
MPR			
Yes	8	8	8
No	29	29	27
AEs			
≥ Grade 3	7	7	4
Grade 1–2	37	35	31
TPS			
≥1%	35	34	28
<1%	9	8	7
CPS			
≥10	15	16	13
<10	29	26	22
TNM			
II	11	10	10
III–IV	33	32	25

BT, fecal sampling at before neoadjuvant therapy; BS, fecal sampling at after neoadjuvant therapy and before surgery; AS, fecal sampling at after surgery; pCR, pathological complete response; MPR, major pathological response; AEs, adverse events; TPS, tumor proportion score; CPS, combined positive score; TNM, tumor-node-metastasis.