

Figure S1. Analysis of the difference in the content of flora in UC group and normal group.

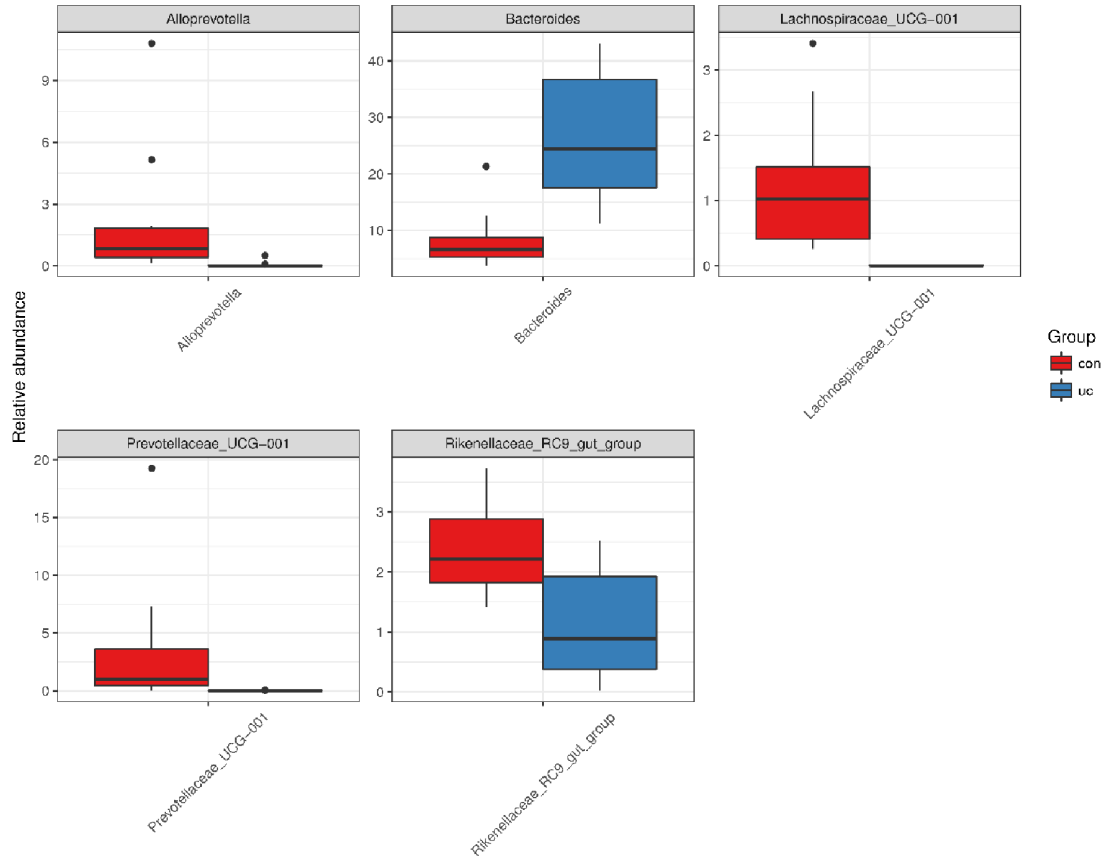


Table SI. Disease activity index.

Score	Weight loss (%)	Stool consistency	Occult/gross bleeding
0	(-)	Normal	Normal
1	1-5		
2	5-10	Loose	Guaiac (+)
3	11-15		
4	>15	Diarrhea	Gross bleeding

Table SII. Pathologic score evaluation.

Score	Inflammatory cells infiltration	Epithelial damaged
0	Little or none in Lamina propria	Mucosa is not damaged
1	Increased neutrophils in propria	Discontinuous epithelial damage
2	Aggregation of inflammatory cells to submucosa	Mucosa ulcer
3	Inflammatory cells penetrate the intestinal wall	Extensive mucosal damage or damage extended to the deep structure of the intestinal wall

Table SIII. Correlation between specific bacteria and histopathological score, IL-12 and IL-23 levels.

Comparator	Alloprevotella	Bacteroides	Prevotellaceae	Rikenellaceae	<i>Lachnospiraceae-UCG-001</i>
Score	r=-0.943 P=0.001	r=0.977 P=0.001	r=-0.162 P=0.728	r=-0.971 P=0.001	r=-0.973 P=<0.001
IL-12	r=0.767 P=0.075	r=-0.548 P=0.26	r=0.757 P=0.082	r=0.627 P=0.183	r=0.460 P=0.358
IL-23	r=-0.669 P=0.1	r=0.924 P=0.008	r=-0.395 P=0.381	r=-0.814 P=0.049	r=-0.873 P=0.01

IL, interleukin.