

## Supplementary materials

Fig S1 Analysis of the QYSX effect on UC by endoscopy.

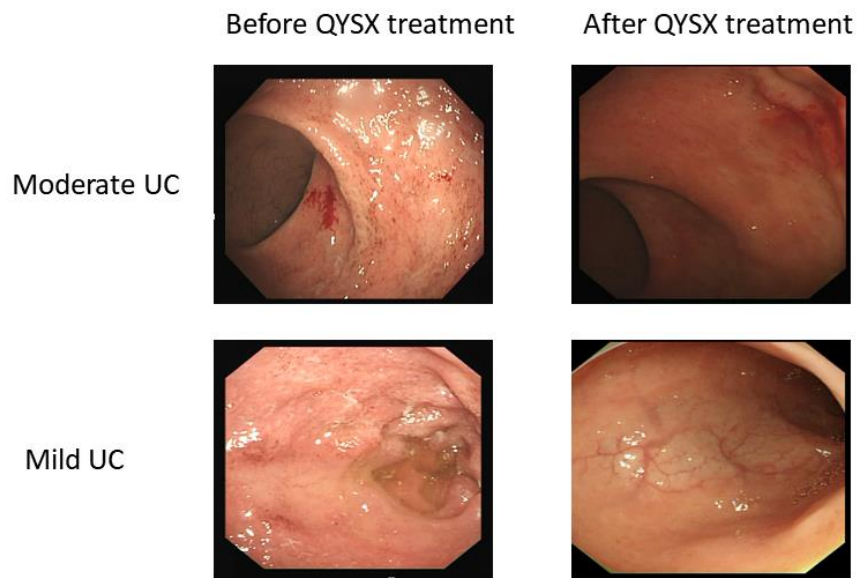


Fig S2 STAMP analysis of gut microbiome in UC patients before and after treatment.

Note: b, UC patients before QYSX treatment; c, UC patients after QYSX treatment.

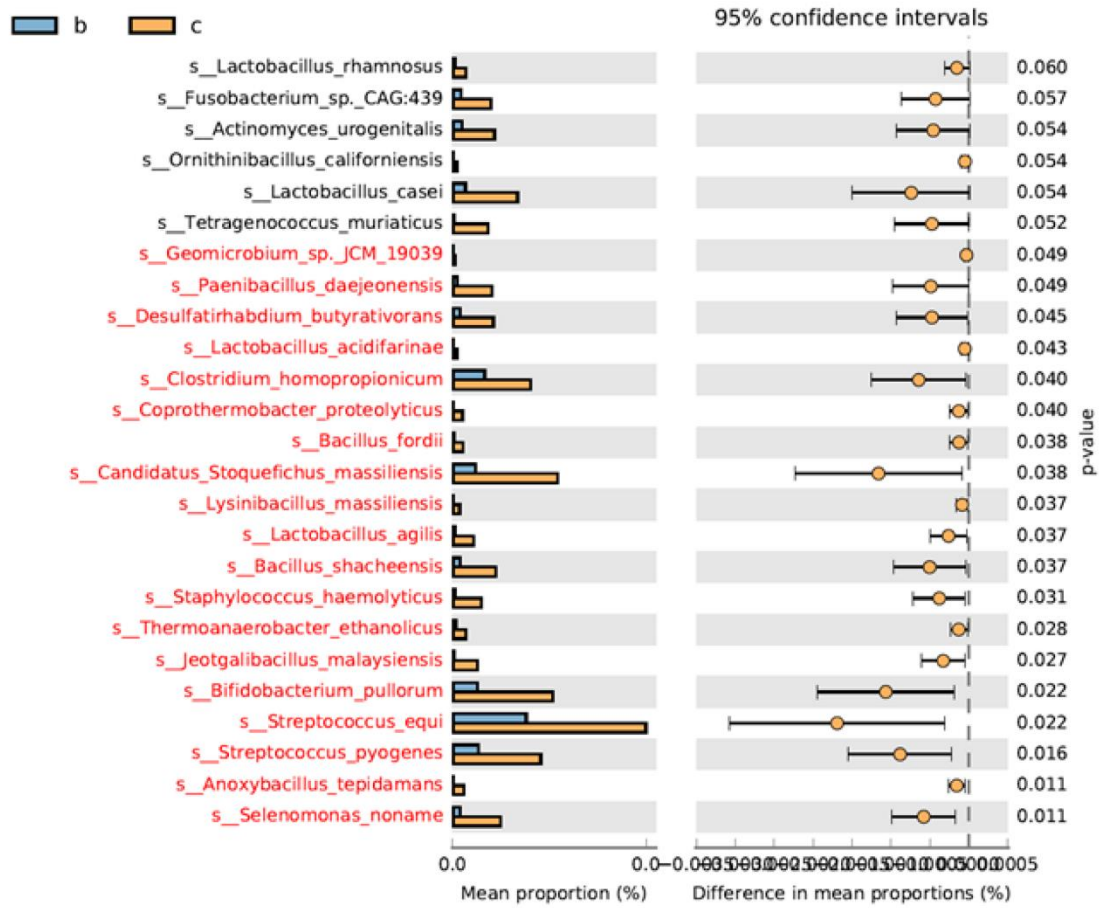
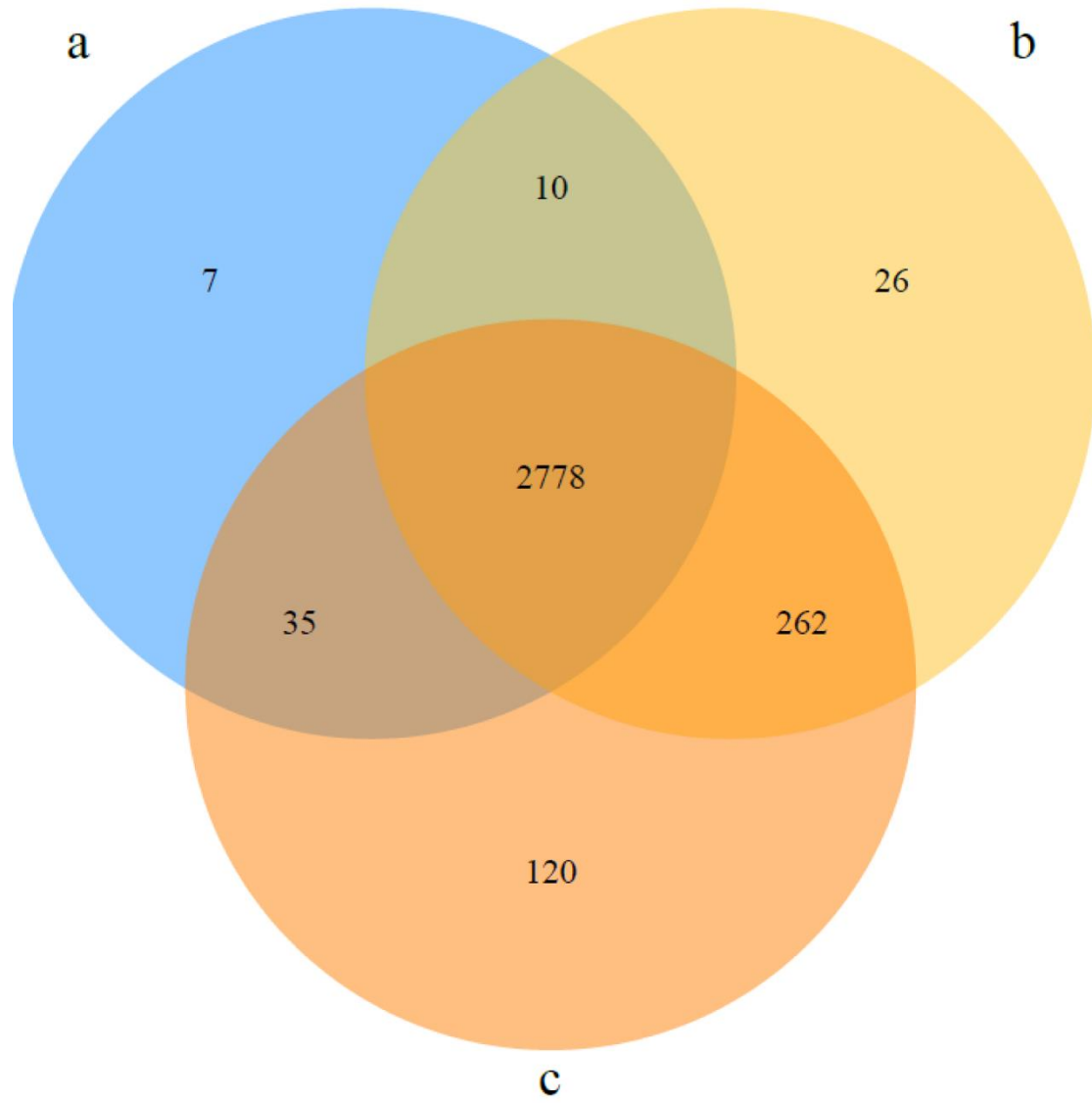


Fig S3 Venn diagram shows the unique and shared GO terms enrich in healthy control (a) and UC patients before (b) and after (c) QYSX treatment.



**Table S1** Information of UC patients.

Parameters	Classification	Numbers	P value
gender	female	4	
	male	4	---
Montreal classification	E1	3	
	E2	2	---
	E3	3	
Mayo score (before treatment)	5	3	
	7	1	
	8	3	0.0006
	9	1	
Mayo score (after treatment)	3	1	
	4	5	
	5	2	