

Supplemental Digital Content 4.

TABLE S4. Bacterial diversity between subgroups split by psychological and IBS symptom-related variables			
Psychological variables			
Perceived stress			
normal n=14	elevated n=34	p	q
2179 ± 420	2309 ± 497	.38	.69
Anxiety			
<11 n=26	≥11 n=22		
2257 ± 441	2170 ± 451	.52	.69
Depression			
<11 n=38	≥11 n=10		
2229 ± 450	2172 ± 435	.69	.69
IBS symptom-related variables			
IBS-subtype			
IBS-D n= 25	IBS-mix and IBS-C n=23		
2269 ± 419	2160 ± 471	.40	.69
IBS severity			
mild and moderate n= 20	severe n= 28		
2274 ± 301	2176 ± 525	.50	.69
<p><i>Chao1</i> estimates of alpha diversity from a rarefaction depth of 20,000 sequences with Means ± Standard Deviations given. P-values from Mann-Whitney U-tests and 999 Monte-Carlo permutations. q are p-values corrected for multiple comparisons by Benjamini & Hochberg's method. The subtypes IBS-mix and IBS-C, and mild and moderate IBS severity were combined, as case numbers of IBS-C and mild IBS are too small for comparisons among three groups.</p>			