

Supplemental Table 1. Correlations between bacterial counts and subscales of the depressive symptoms in the patient group.

HAM-D		core	Sleep	Activity	Anxiety	Psychic-anxiety	Somatic-anxiety
<i>Bifidobacterium</i>	ρ	-0.07	-0.15	-0.07	0.47	-0.03	0.08
	<i>P</i>	0.68	0.39	0.69	0.79	0.86	0.65
<i>Lactobacillus</i>	ρ	-1.0	-0.45	-0.12	-0.09	0.04	-0.14
	<i>P</i>	0.56	0.01*	0.47	0.60	0.80	0.41

Bifidobacterium counts was no significant partial correlation (adjusted for age and sex) between bacterial counts and subscales of the depressive symptoms.

There was significant negative correlation between *Lactobacillus* counts and sleep (HAM-D subscale).