

Supplementary Table 5: Spearman's correlation analysis among the most abundant bacterial genera and the constipation status of the subjects of the study cohort.

Genus	Spearman's <i>r</i>	<i>p</i>-values	FDR-corrected <i>p</i>
<i>Gemmiger</i>	-0.3950	0.0005	0.0097
<i>Clostridium XVIII</i>	0.3811	0.0008	0.0097
<i>Ruminococcus</i>	-0.3606	0.0016	0.0128
<i>Escherichia/Shigella</i>	0.3061	0.0080	0.0480
<i>Faecalibacterium</i>	-0.2843	0.0141	0.0676
<i>Dialister</i>	-0.2258	0.0531	0.2123
<i>Anaerostipes</i>	0.1952	0.0956	0.2550
<i>Erysipelotrichaceae incertae sedis</i>	0.1953	0.0955	0.2550
<i>Turicibacter</i>	-0.1960	0.0941	0.2550
<i>Collinsella</i>	-0.1654	0.1590	0.3816
<i>Oscillibacter</i>	-0.1440	0.2210	0.4822
<i>Dorea</i>	-0.1360	0.2479	0.4958
<i>Streptococcus</i>	0.1245	0.2906	0.5083
<i>Lactobacillus</i>	0.1230	0.2965	0.5083
<i>Alistipes</i>	0.1079	0.3603	0.5686
<i>Coproccoccus</i>	0.1037	0.3791	0.5686
<i>Bacteroides</i>	-0.0922	0.4346	0.6135
<i>Blautia</i>	0.0645	0.5848	0.7387
<i>Clostridium IV</i>	-0.0692	0.5581	0.7387
<i>Clostridium XIVa</i>	0.0553	0.6396	0.7675
<i>Bifidobacterium</i>	0.0430	0.7158	0.8181
<i>Lachnospiracea incertae sedis</i>	0.0300	0.7999	0.8726
<i>Clostridium sensu stricto</i>	0.0108	0.9275	0.9678
<i>Clostridium XI</i>	0.0008	0.9948	0.9948