

Table S1. PERMANOVA test of the association between sample types and taxonomic composition of microbial metagenomes from phylum to species level.

	Stool, swab and tissue		Stool and swab	
	R ²	P	R ²	P
phylum	0.265	0.001	0.035	0.001
class	0.404	0.001	0.041	0.001
order	0.397	0.001	0.056	0.001
family	0.351	0.001	0.053	0.001
genus	0.316	0.001	0.050	0.001
species	0.256	0.001	0.040	0.001