

Table S1. Alpha diversity indices

	observed_otus	shannon	simpson	chao1	goods_coverage
Gut_1	77	0.64	0.13	77.00	1.00
Gut_2	123	0.58	0.10	126.93	1.00
Gut_3	115	0.73	0.14	115.00	1.00
Gut_4	286	4.96	0.81	286.00	1.00
Soil_1	2755	10.35	1.00	2755.00	1.00
Soil_2	3275	10.44	1.00	3316.44	0.99
Soil_3	3720	10.72	1.00	3775.67	0.99
Soil_4	3560	10.59	1.00	3589.58	1.00

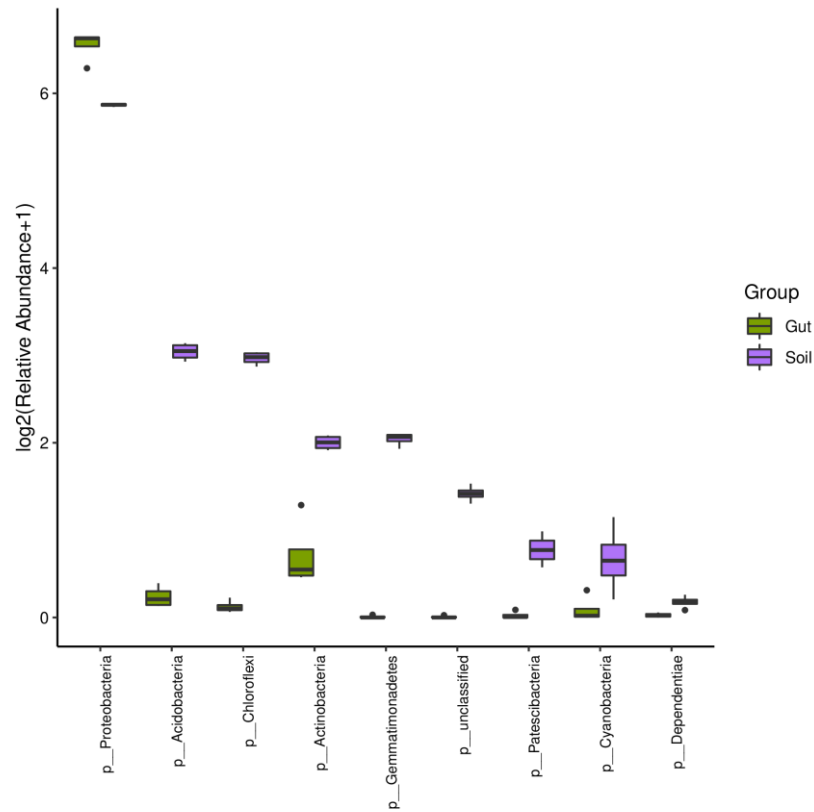


Figure S1. The boxplot of bacterial taxa with significant difference at the phylum level

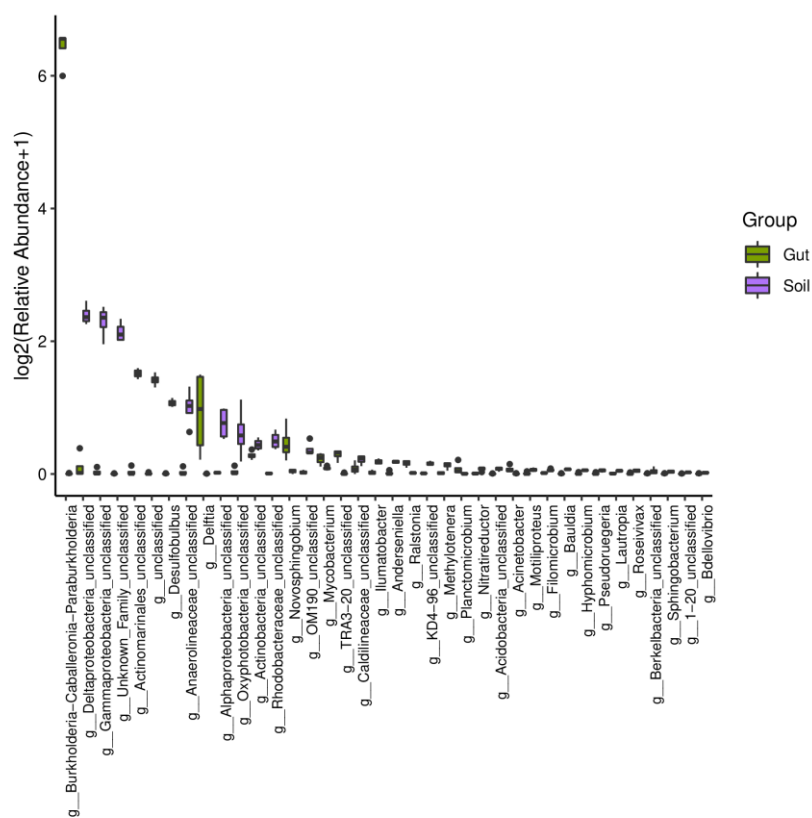


Figure S2. The boxplot of bacterial taxa with significant difference at the genus level