Table S2: Relative abundance of the ASVs showing a cumulative abundance of at least 0.5% in samples at the order level. The taxonomy of each taxa is reported. Data are reported as percentages. NA: not assigned.

Phylum	Class	Order	WE	WD	WO	SWP
Acidobacteriota	Vicinamibacteria	Vicinamibacterales	19.6	23.3	21.5	20.9
Proteobacteria	Alphaproteobacteria	Sphingomonadales	9.7	7.4	13.7	10.0
Crenarchaeota	Nitrososphaeria	Nitrososphaerales	5.6	6.0	0.8	0.7
Proteobacteria	Gammaproteobacteria	Burkholderiales	5.1	3.5	7.2	3.0
Gemmatimonadota	Gemmatimonadetes	Gemmatimonadales	4.8	4.4	3.1	1.9
Proteobacteria	Gammaproteobacteria	Xanthomonadales	4.0	2.7	2.9	25.5
Chloroflexi	Chloroflexia	Thermomicrobiales	3.3	3.1	1.9	1.3
Proteobacteria	Alphaproteobacteria	Rhizobiales	3.1	2.6	4.2	3.3
Actinobacteriota	Thermoleophilia	Gaiellales	2.8	3.0	1.2	3.8
Acidobacteriota	Blastocatellia	Pyrinomonadales	2.7	3.6	4.3	0.8
Methylomirabilota	Methylomirabilia	Rokubacteriales	2.2	1.6	1.8	0.3
Actinobacteriota	Thermoleophilia	Solirubrobacterales	1.8	2.2	0.5	1.3
Nitrospirota	Nitrospiria	Nitrospirales	1.7	1.4	0.3	0.1
Bacteroidota	Bacteroidia	Cytophagales	1.5	1.1	1.4	3.7
Bacteroidota	Bacteroidia	Chitinophagales	1.3	1.1	2.0	0.6
Actinobacteriota	Acidimicrobiia	Microtrichales	1.3	1.9	0.7	1.4
Gemmatimonadota	Longimicrobia	Longimicrobiales	1.3	0.9	0.6	0.8
Patescibacteria	Saccharimonadia	Saccharimonadales	1.2	1.0	0.4	0.7
Actinobacteriota	Rubrobacteria	Rubrobacterales	1.1	0.9	0.7	0.0
Chloroflexi	KD4-96	KD4-96	1.0	1.2	0.6	0.3
Proteobacteria	Alphaproteobacteria	Tistrellales	1.0	0.4	1.0	0.0
Acidobacteriota	Blastocatellia	Blastocatellales	0.9	1.1	3.2	0.1
Acidobacteriota	Holophagae	Subgroup_7	0.7	0.5	0.7	1.4
Gemmatimonadota	S0134_terrestrial_group	S0134_terrestrial_group	0.7	0.6	0.8	1.1
Actinobacteriota	Actinobacteria	Micrococcales	0.6	2.0	1.7	0.2
Firmicutes	Bacilli	Bacillales	0.6	0.8	0.7	0.7
Actinobacteriota	Actinobacteria	Propionibacteriales	0.5	1.0	0.5	0.5
Chloroflexi	Gitt-GS-136	Gitt-GS-136	0.5	0.7	0.4	0.5
Proteobacteria	Alphaproteobacteria	Caulobacterales	0.5	0.3	0.4	1.1
Acidobacteriota	Vicinamibacteria	Subgroup_17	0.5	0.6	1.1	0.5

Proteobacteria	Alphaproteobacteria	Reyranellales	0.2	0.2	0.3	1.3
NA	NA	NA	2.4	1.9	2.4	1.6
		Others (< 0.5%)	15.9	17.1	16.8	10.4