

Table S1 Microbial PLFA biomarkers and metrics

Community Category	Community Metric	PLFA Biomarker	References
PLFA Biomass	Sum named and unnamed PLFAs		
Total Bacterial PLFAs		i14:0, 14:0, a15:0, i15:0, 15:0, i16:0, 16:0, 16:1w7, a17:0, i17:0, iso17:1, 17:0, 18:1 w5, 18:1 w7, 18:0, cy17:0 and cy19:0	Frostegard and Baath 1996; Sundh et al. 2000; Evgrafova et al. 2008; Djukic et al. 2010; Smith et al. 2015; Li et al. 2020;
Actinomycetes PLFAs		10Me16:0, 10Me17:0 and 10Me18:0	
Total Fungal PLFAs		18:1w9c, 18:2w6,9c	
Gram-positive PLFAs		i14:0, a15:0, i15:0, i16:0, i17:0, a17:0.	
Gram-positive PLFAs		16:1w7, cy17:0, cy19:0	
Indicator PLFAs	Gram-positive bacteria (Gp)	15:0iso	
	Actinobacteria (Ab)	16:10 methyl	
	Gram-negative bacteria (Gn)	16:1 w7c	
	Arbuscular mycorrhizal fungi (Am)	16:1 w5c	
	Saprotrophic fungi (Sf)	18:1 w9c, 18:2w6,9c	
	Methanotrophic bacteria (Mb)	18:1 w7c	
	Anaerobic bacteria (An)	19:0 cyclo	

References

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