

**Supplemental Table T4.** Illumina 16S rRNA sequencing data of glucose cultures (described in Table 4) showing the relative contribution (in %) of taxa identified.

			Sample site					
			Bubbling Pool Sediment		Surface Biofilm		Pool sediment	
			Fe(III) chemistry					
			HFO	DSO	HFO	DSO	HFO	
Phylum	Class	Order						
Actinobacteria	Actinobacteria	Actinomycetales	1.42	0.00	0.11	0.01	0.03	
Bacteroidetes	Bacteroidetes	Bacteroidales	0.00	0.00	0.00	0.01	0.00	
Firmicutes	Bacilli	Bacillales	0.01	0.01	0.00	43.82	0.72	
		Lactobacillales	0.00	0.00	0.00	0.01	0.00	
	Clostridia	Clostridiales	98.54	4.90	88.36	56.01	99.21	
Proteobacteria	Betaproteobacteria	Burkholderiales	0.01	0.01	0.00	0.12	0.02	
		Neisseriales	0.00	0.08	0.00	0.00	0.00	
	Gammaproteobacteria	Enterobacteriales	0.00	94.68	11.50	0.01	0.00	
		Pasteurellales	0.00	0.00	0.00	0.01	0.00	
		Pseudomonadales	0.00	0.31	0.00	0.00	0.00	
Unassigned			0.00	0.00	0.01	0.00	0.00	