

Supplementary Table 2. Correlation analysis (pearson's R) of abiotic factors with archaeal and bacteria subfamily richness.

	p-vals	Pearson's r	p-vals	Pearson's r
	Archaeal subfamilies		bacterial subfamilies	
T	0.003	-0.958	0.007	-0.931
pH	0.414	-0.414	0.513	-0.338
SO ₂	0.090	-0.910	0.184	-0.816
H ₂ S	0.156	-0.844	0.295	-0.705
CO ₂	0.323	-0.874	0.495	-0.713