

Supplementary table1. Pearson correlations between some environmental variables and α diversity those that are considered more important. Coefficients (r) and significance levels (P) (top and bottom values, respectively) are given.

Environmental variables	DNA				RNA			
	Sobs	Chao1	Inverse Simpson	Shannon	Sobs	Chao1	Inverse Simpson	Shannon
T (°C)	-0.56 (0.01)	-0.54 (0.02)	-0.48 (0.04)	-0.48 (0.04)				
Cond ($\mu\text{S cm}^{-1}$)	-0.49 (0.03)	-0.49 (0.03)						
Ni ($\mu\text{g L}^{-1}$)				-0.47 (0.04)				
Cr ($\mu\text{g g}^{-1}$)					0.48 (0.04)	0.52 (0.02)		
Fe ($\mu\text{g g}^{-1}$)	0.47 (0.05)				0.52 (0.02)	0.52 (0.02)		
Ymax					0.68 (0.00)	0.68 (0.00)	0.54 (0.02)	0.57 (0.01)
RNA (ng mg^{-1})					-0.47 (0.04)	-0.47 (0.04)	-0.46 (0.05)	-0.55 (0.02)