

S6 Table. Effect summary of selected environmental parameters used for RDA.

Parameter	Effect	R _{adj}	F	p
mean_grain_size	pure	0.036	1.890	0.009
mean_grain_size	total	0.023	1.551	0.044
mean_temp_an	pure	0.098	3.459	0.001
mean_temp_an	total	0.086	3.166	0.001
NH4_P	total	-0.016	0.640	0.598
NOX_P	total	-0.010	0.782	0.750
PO4_P	total	0.010	1.242	0.205
all	pure	0.122	2.592	0.001

RDA based on sequence abundances per OTU and selected standardized environmental parameters (independent, non- or less correlated). Sequence abundance per sample and OTU (+ 0.5 to avoid zero values) were centered log-ratio (clr) transformed. Total and pure effects of selected environmental parameters were calculated using permuRDAv1.6.R (<https://github.com/chassenr/ARISA>).