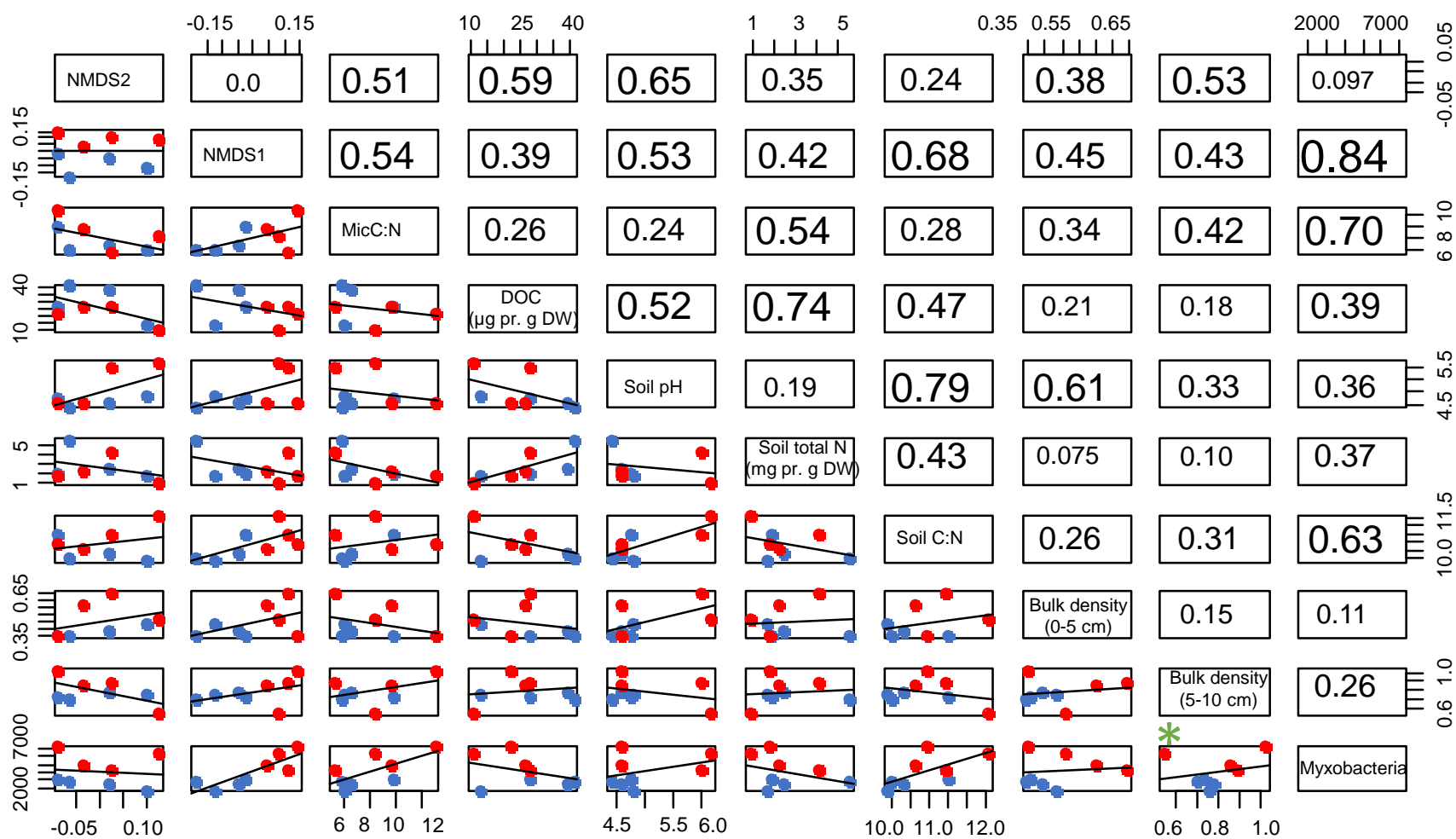


Supplement S5

Pearson’s correlation coefficients for the microbiome NMDS axes 1 and 2, microbial C:N and soil parameters: pH, dissolved organic carbon (DOC) , total soil nitrogen, soil bulk density at 0 to 5 cm, and 5 to 10 cm depth and the abundance of ‘myxobacteria’ (combined abundance of the *Haliangiaceae* and *Sandaracinaceae*, *Bacteriovoracacea*). For further details see supplement S1. Data points are colored by temperature plots A (blue) and E (red), corresponding to ambient and +6°C. All correlations are non-significant ( $p > 0.05$ ).



\* When considering one measurement as an outlier (LTW<sub>E</sub>-2) the correlation was strong and significant for the remaining datapoints:  
> cor.test(var\_basic\$`myxo\$myxo`[-6], var\_basic\$BD\_5.10[-6], method = "pearson")

Pearson's product-moment correlation

data: var\_basic\$`myxo\$myxo`[-6] and var\_basic\$BD\_5.10[-6]  
t = 4.8904, df = 5, p-value = 0.004512  
alternative hypothesis: true correlation is not equal to 0  
95 percent confidence interval:  
0.4962448 0.9867275  
sample estimates:  
cor  
0.909443