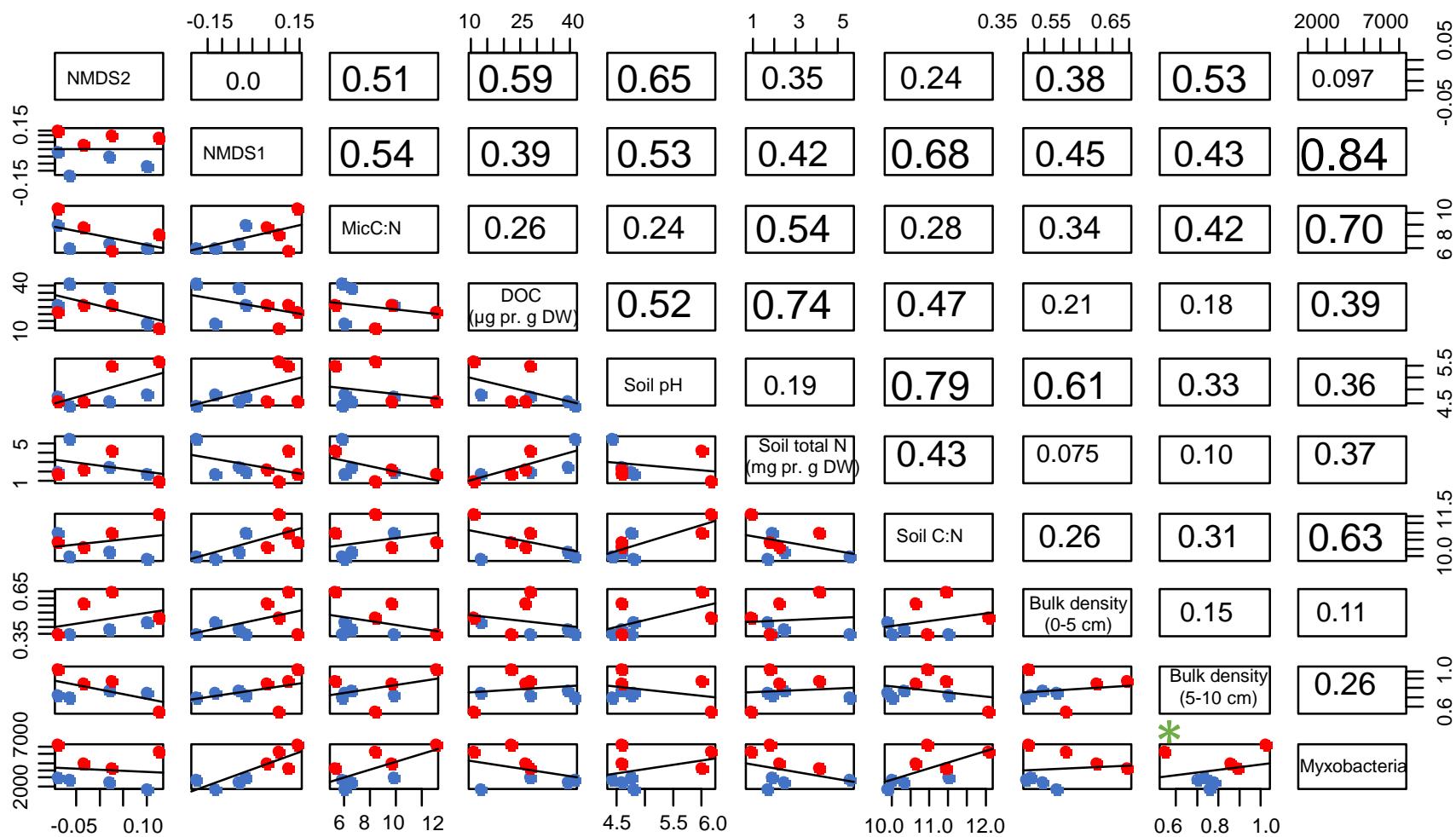


Supplement S5

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 ($LTW_E - 2$) 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
```