Table S1. Permutational multivariate analysis of variance (PERMANOVA) results for the identification of physicochemical variables correlated with the microbial community structure (*p*-value <0.05).

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| --- | --- | --- | --- |
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|   | **Physicochemical variable** | **r2** |   |
|   | Depth (m) | 0.27 |   |
|   | TS (uM) | 0.27 |   |
|   | Redox potential (mV) | 0.27 |   |
|   | Clay (%) | 0.23 |   |
|   | Lime (%) | 0.2 |   |
|   |   |   |   |