**SUPPLEMENTARY MATERIAL**

**High-throughput sequencing of fungal communities across the perennial ice block of Scărișoara Ice Cave**

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**Table S3**. Correlation of geochemical variables with the ordination scores of the PCoA analysis of the fungal community structures. EC: electric conductivity; DTC: dissolved total carbon; DOC: dissolved organic carbon; DIC: dissolved inorganic carbon; Significance level: (\*\*\*): P<0.001; (\*\*): P<0.01; (\*): P<0.05; (ns): nonsignificant

|  |  |  |  |
| --- | --- | --- | --- |
|  | R2 | Pr(>r) |  |
| EC | 0.7686 | 0.0001 | \*\*\* |
| Ca | 0.6039 | 0.0003 | \*\*\* |
| Na | 0.6086 | 0.0007 | \*\*\* |
| Sr | 0.4959 | 0.0028 | \*\* |
| pH | 0.4413 | 0.0038 | \*\* |
| DTC | 0.4157 | 0.0102 | \* |
| Cu | 0.394 | 0.011 | \* |
| DOC | 0.4043 | 0.0149 | \* |
| Zn | 0.3483 | 0.0199 | \* |
| Mg | 0.3338 | 0.0251 | \* |
| K | 0.3332 | 0.0268 | \* |
| DIC | 0.3064 | 0.0406 | \* |
| Cl | 0.2135 | 0.108 | ns |