

Supplementary Materials

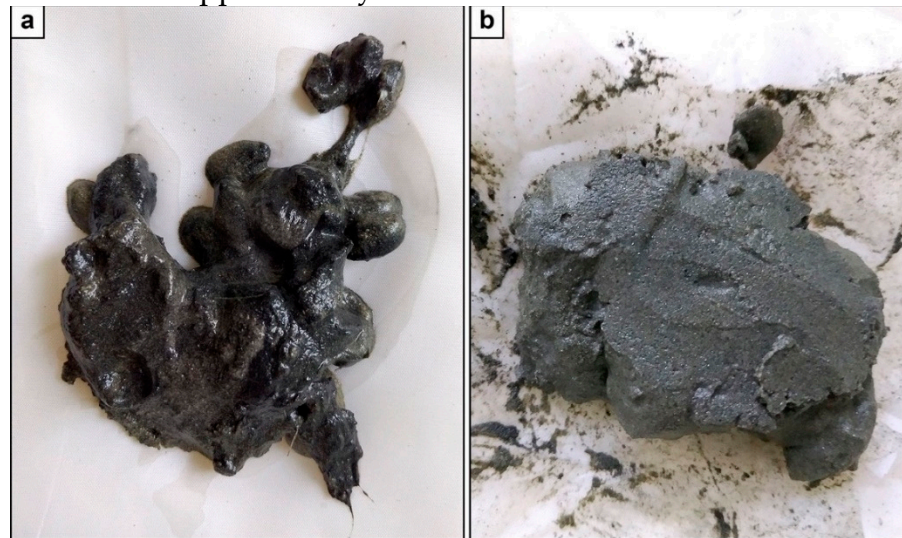


Figure S1. Bottom sediment samples from point IS-1. a. black silt in 0–5 cm; b. gray silt in 25–30 cm.

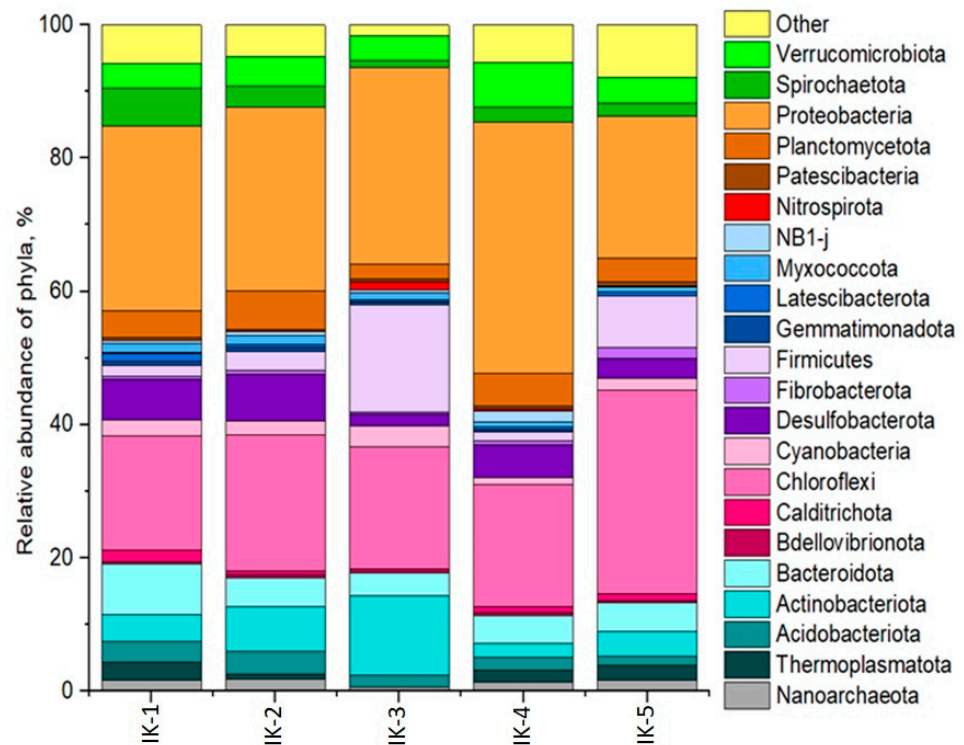


Figure S2. Phylogenetic diversity of bottom sediment microbial communities based on the analysis of 16S rRNA gene sequences at the phylum level.

Table S1. Diversity index of microbial communities in bottom sediments samples.

| Sample | IK-1 | IK-2 | IK-3 | IK-4 | IK-5 |
|----------------|--------|--------|--------|--------|--------|
| OTU | 422 | 463 | 394 | 395 | 503 |
| Simpson_1-D | 0.9795 | 0.981 | 4.902 | 0.9453 | 0.9594 |
| Shannon_H | 4.856 | 5.008 | 0.3416 | 4.247 | 4.51 |
| Equitability_J | 0.8034 | 0.8159 | 0.8203 | 0.7103 | 0.725 |