

Species *Fraerimicrobium lacustre*

Etymology

[la.cus'tre] **L. neut. adj.** *lacustre*, A species found in a lake

Nomenclatural type

[NCBI Assembly: GCA_963845585.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226 and 16S rRNA classifications to Silva 138.2. Formerly "uncultured bacterium" in Silva 138.2. Based on metabolic reconstruction, *Fraerimicrobium lacustre* is inferred to encode the rod shape-determining protein MreB, peptidoglycan biosynthesis genes and flagellar genes.

Classification

Bacteria » *Acidobacteriota* » *Terriglobia* » *Terriglobales* » "Sulfurimatobacteraceae" » *Fraerimicrobium* » *Fraerimicrobium lacustre*

References

Effective publication: Sereika et al., 2025 [1]

Registry URL

<https://seqco.de/i:54731>

References

1. Sereika et al. (2025). Genome-resolved long-read sequencing expands known microbial diversity across terrestrial habitats. *Nature Microbiology*. DOI:10.1038/s41564-025-02062-z