

Species *Klitmollerisoma lacustre*^{Ts}

Etymology

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

Nomenclatural type

[NCBI Assembly: GCA_963708015.1](#)^{Ts}

Description

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

Classification

Bacteria » *Chloroflexota* » *Candidatus* Limnocyndria » *Candidatus* Limnocyndrales » *Klitmollerisomataceae* » *Klitmollerisoma* » *Klitmollerisoma lacustre*^{Ts}

References

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

Registry URL

<https://seqco.de/i:53873>

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](https://doi.org/10.1038/s41564-025-02062-z)