

Genus *Verrucolacustris*

Etymology

[Ver.ru.co.la.cus'tris] **N.L. pref.** *Verruco-*, derived from the bacterial phylum Verrucomicrobiota; **L. masc. adj.** *lacustris*, of a lake; **N.L. masc. n.** *Verrucolacustris*, a freshwater genus of Verrucomicrobiota

Nomenclatural type

Species *Verrucolacustris abundans*^{Ts}

Description

Type species is *Verrucolacustris abundans* MiH-22 (GCA_965194535.1). The closest cultivated relative is *Methylacidimicrobium cyclopophantes* 3B_2 (GCF_902143385.2), with an average amino acid identity of 49.5% and average nucleotide identity of 62.8%. Current GTDB classification (R220): d__Bacteria; p__Verrucomicrobiota; c__Verrucomicrobiae; o__Methylacidiphilales; f__UBA3015; g__UBA3015.

Classification

Bacteria » *Verrucomicrobiota* » “*Methylacidiphilae*” » *Methylacidiphilales* » *Verrucolacustridaceae* » *Verrucolacustris*

References

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

Registry URL

<https://seqco.de/i:48696>

References

1. Salcher et al. (2025). Bringing the uncultivated microbial majority of freshwater ecosystems into culture. *Nature Communications*. [DOI:10.1038/s41467-025-63266-9](https://doi.org/10.1038/s41467-025-63266-9)