

Genus *Pelagilacustribacter*

Etymology

[Pe.la.gi.la.cus.tri.bac'ter] **L. neut. n.** *pelagus*, of the sea; **N.L. masc. adj.** *lacustris*, belonging to a lake; **N.L. masc. n.** *bacter*, a rod; **N.L. masc. n.** *Pelagilacustribacter*, a freshwater genus of otherwise marine Pelagibacterales

Nomenclatural type

Species *Pelagilacustribacter hypolimneticus*^{TS}

Description

Type species is *Pelagilacustribacter hypolimneticus* TrH-25oct19-165 (GCA_965235125.1), a metagenome-assembled genome (MAG) obtained from 150m depth from Traunsee, Austria. *Pelagilacustribacter* is a genus within marine SAR11-II (*Pelagibacterales*) that is found in deep freshwater lakes.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Pelagibacterales* » *Pelagibacteraceae* » *Pelagilacustribacter*

References

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

Registry URL

<https://seqco.de/i:49884>

References

1. Fernandes et al. (2025). Ecophysiology and global dispersal of the freshwater SAR11-IIIb genus Fontibacterium. *Nature Microbiology*. DOI:10.1038/s41564-025-02091-8