

Genus *Phycocordibacter*

Etymology

[Phy.co.cor.di.bacter] **Gr. neut. n.** *phykos*, seaweed or algae; **L. neut. n.** *cordis*, the most central part or the heart; **N.L. masc. n.** *bacter*, a rod; **N.L. masc. n.** *Phycocordibacter*, A core bacteria of a microalgal culture

Nomenclatural type

Species *Phycocordibacter aenigmaticus*^{Ts}

Description

This is a genus within the Patescibacteria phylum, one of whose members is symbionts of the microalgae *Nannochloropsis oceanica* strain IMET1 and *Tetrademus obliquus* strain HTB1. Both microalgae are grown with 10% CO₂ for carbon mitigation research.

Classification

Bacteria » *Patescibacteriota* » "Paceibacteria" » *Phycocordibacterales* » *Phycocordibacteraceae* » *Phycocordibacter*

References

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

Registry URL

<https://seqco.de/i:49176>

References

1. Jonas et al. (2025). Two novel Patescibacteria: *Phycocordibacter aenigmaticus* gen. nov. sp. nov. and *Minusculum obligatum* gen. nov. sp. nov., both associated with microalgae optimized for carbon dioxide sequestration from flue gas. *mBio*. DOI:[10.1128/mbio.01231-25](https://doi.org/10.1128/mbio.01231-25)