

Family *Trichocoleusaceae*

Etymology

Trichocoleusaceae

Nomenclatural type

Genus *Trichocoleus*

Description

[Mai et al., 2018](#): A monophyletic assemblage of genera based on 16S rRNA gene sequence phylogeny, with filaments containing one to many trichomes, obligately forming sheaths except in hormogonial stages. Sheaths thin and firm to soft and wide, lacking pigmentation. Trichomes slightly to distinctly constricted at the crosswalls, straight or flexuous, less than 5 µm wide. Cells shorter than wide, isodiametric, or longer than wide, with peripheral thylakoids, obligately without aerotopes, facultatively forming polyphosphate granules in the centropiasm. End cells cylindrical, rounded, rounded conical, conical, or attenuated to a point.

Classification

Bacteria » *Cyanobacteriota* » *Cyanophyceae* » *Leptolyngbyales* » *Trichocoleusaceae*

References

Effective publication: MAI et al., 2018 [1]

Registry URL

<https://seqco.de/i:36275>

References

1. MAI et al. (2018). Revision of the Synechococcales (Cyanobacteria) through recognition of four families including Oculatellaceae fam. nov. and Trichocoleaceae fam. nov. and six new genera containing 14 species. *Phytotaxa*. [DOI:10.11646/phytotaxa.365.1.1](https://doi.org/10.11646/phytotaxa.365.1.1)