

Species *Bregningeana aquidulcis*^{Ts}

Etymology

[a.qui.dul'cis] **L. fem. n.** *aqua*, water; **L. fem. adj.** *dulcis*, sweet; **N.L. fem. adj.** *aquidulcis*, Pertinent to freshwater, referring to a species found in freshwater

Nomenclatural type

[NCBI Assembly: GCA_963793425.1](https://ncbi.nlm.nih.gov/assembly/GCA_963793425.1)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226 and 16S rRNA classifications to Silva 138.2. Based on metabolic reconstruction, *Bregningeana aquidulcis* is inferred to encode the rod shape-determining protein MreB and peptidoglycan biosynthesis genes.

Classification

Bacteria » *Cyanobacteriota* » *Cyanophyceae* » *Spirulinales* » *Spirulinaceae* » *Bregningeana* » *Bregningeana aquidulcis*^{Ts}

References

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

Registry URL

<https://seqco.de/i:53232>

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)