

Genus *Nyctobacter*

Etymology

[Nyc.to.ba'cter] **Gr. fem. n.** *Nyx*, primordial goddess of the night in Greek mythology; **N.L. masc. n.** *bacter*, a rod; **N.L. masc. n.** *Nyctobacter*, referring to a bacterium capable of 'dark' carbon fixation (chemolithoautotrophy), as well as the long and dark winter of Antarctica

Nomenclatural type

Species *Nyctobacter psychrophilus*^{Ts}

Description

Genus defined based on 16S rRNA phylogeny and phylogenomic analysis of 15 ribosomal proteins and the GTDB.

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » "Baltobacterales" » "Baltobacteraceae" » *Nyctobacter*

References

Effective publication: Ji et al., 2021 [1]

Registry URL

<https://seqco.de/i:42523>

References

1. Ji et al. (2021). *Candidatus* Eremiobacterota, a metabolically and phylogenetically diverse terrestrial phylum with acid-tolerant adaptations. *The ISME Journal*. DOI:10.1038/s41396-021-00944-8