

Species *Nebelibacter aridus*^{Ts}

Etymology

[a'ri.dus] **L. masc. adj.** *aridus*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963755705.1](#)^{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, *Nebelibacter aridus* is inferred to encode the rod shape-determining protein MreB and peptidoglycan biosynthesis genes.

Classification

Bacteria » *Desulfobacterota* » *Binatia* » *Binatales* » *Binataceae* » *Nebelibacter* » *Nebelibacter aridus*^{Ts}

References

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

Registry URL

<https://seqco.de/i:53059>

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)