

Species *Rakkebybacterium affine*

Etymology

[af.fi'ne] **L. neut. adj.** *affine*, A species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963851015.1](#) ^{Ts}

Description

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

Classification

Bacteria » *Actinomycetota* » *Thermoleophilia* » *Solirubrobacterales* » *Solirubrobacteraceae* » *Rakkebybacterium* » *Rakkebybacterium affine*

References

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

Registry URL

<https://seqco.de/i:53288>

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)