

Species *Moltrupiella proxima*^{Ts}

Etymology

[pro'xi.ma] **L. fem. adj.** *proxima*, Close to, referring to a species related to but distinct from the existing species

Nomenclatural type

[NCBI Assembly: GCA_963842815.1](https://ncbi.nlm.nih.gov/assembly/GCA_963842815.1)^{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, *Moltrupiella proxima* is inferred to encode the rod shape-determining protein MreB and peptidoglycan biosynthesis genes.

Classification

Bacteria » *Patescibacteriota* » *Minisyncoccia* » “*Zambryskii*bacteriales” » *Moltrupiellaceae* » *Moltrupiella* » *Moltrupiella proxima*^{Ts}

References

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

Registry URL

<https://seqco.de/i:54652>

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)