

Species *Lystrupiaba arida*^{Ts}

Etymology

[a'ri.da] **L. fem. adj.** *arida*, Dry, referring to a species found in arid soil

Nomenclatural type

[NCBI Assembly: GCA_963791435.1](#)^{Ts}

Description

Species established on the basis of ANI comparisons to GTDB R226 and 16S rRNA classifications to Silva 138.2. Formerly "uncultured Chloroflexi bacterium" in Silva 138.2. Based on metabolic reconstruction, *Lystrupiaba arida* is inferred to encode the rod shape-determining protein MreB.

Classification

Bacteria » *Dormibacterota* » *Dormibacteria* » *Aeolococcales* » *Aeolococcaceae* » *Lystrupiaba* » *Lystrupiaba arida*^{Ts}

References

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

Registry URL

<https://seqco.de/i:53361>

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)