

Species *Lysgaardicola telluricus*

Etymology

[te.l.lu.ri'cus] **L. gen. fem. n.** *telluris*, soil or earth; **L. masc. adj. suff.** *-icus*, suffix used with the sense of belonging to; **L. masc. adj.** *telluricus*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963744245.1](#) ^{Ts}

Description

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

Classification

Bacteria » *Actinomycetota* » *Thermoleophilia* » *Solirubrobacterales* » *Solirubrobacteraceae* » *Lysgaardicola* » *Lysgaardicola telluricus*

References

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

Registry URL

<https://seqco.de/i:52965>

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)