

Species *Koelkaerius humicus*

Etymology

[hu'mi.cus] **N.L. masc. adj.** *humicus*, Pertinent to soil, referring to a species found in soil

Nomenclatural type

[NCBI Assembly: GCA_963732005.1](#) ^{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, *Koelkaerius humicus* is inferred to encode the rod shape-determining protein MreB and peptidoglycan biosynthesis genes.

Classification

Bacteria » *Acidobacteriota* » *Thermoanaerobaculia* » "Multivoradales" » *Koelkaeriaceae* » *Koelkaerius* » *Koelkaerius humicus*

References

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

Registry URL

<https://seqco.de/i:53576>

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)