

Species *Mawsoniella australis*^{Ts}

Etymology

[aus.tra'lis] L. fem. adj. *australis*, southern, of the south wind, in reference to the recovery from the southern continent of Antarctica

Nomenclatural type

[NCBI Assembly: GCA_014304875.1](#)^{Ts}

Description

Obligate heterotroph. Hydrogen oxidation using Group 1h [NiFe] hydrogenase. Organic substrates include peptides, amino acids, carboxylates, sarcosine, oligosaccharides, sugars, catechol, 4hydroxybenzoate. PHA storage. Polyphosphate storage. Also defined based on ANI, and phylogenies of 16S rRNA gene, 15 ribosomal proteins, and the GTDB.

Classification

Bacteria » *Eremiobacterota* » *Eremiobacteria* » *Eremiobacterales* » *Eremiobacteraceae* » *Mawsoniella* » *Mawsoniella australis*^{Ts}

References

Effective publication: Ji et al., 2021 [1]

Registry URL

<https://seqco.de/i:42720>

References

1. Ji et al. (2021). *Candidatus* Eremiobacterota, a metabolically and phylogenetically diverse terrestrial phylum with acid-tolerant adaptations. *The ISME Journal*. DOI:[10.1038/s41396-021-00944-8](https://doi.org/10.1038/s41396-021-00944-8)