

Methylotuvimicrobium crucis sp. nov.

Submitted by Butarelli, Ana Carolina

Species *Methylotuvimicrobium crucis*

Etymology

[cru'cīs] **L. gen. n.** *crucis*, of the cross, referring to the Alpha Crucis carbonate mound and the constellation Crux

Nomenclatural type

[NCBI Assembly: GCA_050611825.1](#) ^{Ts}

Description

The species name *crucis* refers to the Alpha Crucis carbonate mound, a deep-sea site in the South Atlantic Ocean. The enrichment was cultivated from methanotrophic microbial consortia in sediments collected at this location. The name also alludes to the Southern Cross constellation (*Crux*), under which the site is located.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Methylococcales* » *Methylococcaceae* » *Methylotuvimicrobium* » *Methylotuvimicrobium crucis*

References

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

Registry URL

<https://seqco.de/i:49843>

References

1. Butarelli et al. (2025). Genomic insights into a versatile deep-sea methanotroph constituting the rare biosphere of a Brazilian carbonate mound complex. *mSystems*.
[DOI:10.1128/msystems.01311-25](https://doi.org/10.1128/msystems.01311-25)

Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List seqco.de/r:fyenbi4b submitted by **Butarelli, Ana Carolina** and including 1 new name has been successfully validated.

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