

Species *Australarchaeum erebusense*^{Ts}

Etymology

[e.re.bu.sen'se] N.L. neut. adj. *erebusense*, of Erebus, referring to Mt. Erebus, Antarctica

Nomenclatural type

[NCBI Assembly: GCA_040290255.1](#)^{Ts}

Description

Archaeon found only in soils heated by volcanic activity (65 degree C) on Mt. Erebus in Antarctica. Very deep branching and novel lineage of Nitrososphaeria. Encodes *aa3*-type (low-affinity) cytochrome C-oxidases.

Classification

Incertae sedis (Archaea) » *Australarchaeum* » *Australarchaeum erebusense*^{Ts}

References

Effective publication: Herbold et al., 2024 [1]

Registry URL

<https://seqco.de/i:24045>

References

1. Herbold et al. (2024). Nutritional niches of potentially endemic, facultatively anaerobic heterotrophs from an isolated Antarctic terrestrial hydrothermal refugium elucidated through metagenomics. *Environmental Microbiome*. [DOI:10.1186/s40793-024-00655-5](https://doi.org/10.1186/s40793-024-00655-5)