Species *Nitrosobungeria shackeltonensis*[Ts]

Etymology

[shac.kel.ton.en'sis] **N.L. fem. adj.** *shackeltonensis*, of the Shackelton ice shelf, East Antarctica, where Bunger Hills are located

Nomenclatural type

NCBI Assembly: GCA_965610195.1 [Ts]

Description

The type material is the metagenome assembled genome BH-18_THE2 recovered from soil from Bunger Hills, East Antarctica. The MAG consists of 3.6 Mbp in 204 contigs with an estimated completeness of 99.1% and 1.46% contamination, 16S (1472 bp), 23S (2054 bp), and 5S (120 bp) genes, and 46 tRNAs (21 unique: 20 standard plus tRNA-iMet). The GC content of this MAG is 37.8%. Predicted to be an ammonia oxidising archaeon.

Classification

Archaea » *Thermoproteota* » *Nitrososphaeria* » *Nitrososphaerales* » *Nitrososphaeraceae* » *Nitrosobungeria* » *Nitrosobungeria shackeltonensis*[Ts]

References

Effective publication: Tan et al., 2026 [1]

Registry URL

https://seqco.de/i:51170

References

1. Tan et al. (2026). Persistent petroleum pollution shifts soil microbial responses in Bunger Hills, East Antarctica. *Communications Earth & Environment*. DOI:10.1038/s43247-026-03299-0