

Species *Gelisolibacter meridionalis*^{Ts}

Etymology

[me.ri.dio.na'lis] **L. masc. adj.** *meridionalis*, southern; referring to the southern hemisphere

Nomenclatural type

[NCBI Assembly: GCA_965610425.1](#)^{Ts}

Description

The type material is the metagenome assembled genome BH-24_ACT7 recovered from soil from Bunger Hills, East Antarctica. The MAG consists of 2.8 Mbp in 109 contigs with an estimated completeness of 98.4% and 2.8% contamination, 16S (1526 bp), 23S (3088 bp), and 5S (117 bp) genes, and 50 tRNAs (21 unique: 20 standard plus tRNA-fMet). The GC content of this MAG is 69.7%. Predicted to reduce nitrite (NO-forming nitrite reductase) and oxidise CO aerobically.

Classification

Bacteria » *Actinomycetota* » *Acidimicrobiia* » *Benthobacterales* » *Benthobacteraceae* »
Gelisolibacter » *Gelisolibacter meridionalis*^{Ts}

References

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

Registry URL

<https://seqco.de/i:51175>

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](https://doi.org/10.1038/s43247-026-03299-0)