

Species *Dormimicrobium murphyi*^{Ts}

Etymology

[mur.phy'i] **N.L. gen. n.** *murphyi*, in honour of Herbet Dyce Murphy, Australian adventurer and explorer.

Nomenclatural type

[NCBI Assembly: GCA_965610025.1](#)^{Ts}

Description

The type material is the metagenome assembled genome BH-24_PSE2 recovered from soil from Bunger Hills, East Antarctica. The MAG consists of 2.7 Mbp in 49 contigs with an estimated completeness of 100% and 0.1% contamination, 16S (1545 bp), 23S (4142 bp), and 5S (117 bp) genes, and 45 tRNAs (20 unique: 19 standard plus tRNA-fMet). The GC content of this MAG is 64.1%. Predicted to consume H₂ at atmospheric concentrations (high affinity [NiFe]-hydrogenase type 1l).

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Dormimicrobiales* » *Dormimicrobiaceae*
» *Dormimicrobium* » *Dormimicrobium murphyi*^{Ts}

References

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

Registry URL

<https://seqco.de/i:51222>

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)