

Species *Verrucomicrobium antarcticum*

Etymology

[an.tarc'ti.cum] **L. neut. adj.** *antarcticum*, southern, pertaining to Antarctica

Nomenclatural type

[NCBI Assembly: GCA_965611755.1](#)^{Ts}

Description

The type material is the metagenome assembled genome BH-11_VER1 recovered from soil from Bunger Hills, East Antarctica. The MAG consists of 5.0 Mbp in 86 contigs with an estimated completeness of 99.66% and 0.58% contamination, 16S (1537 bp), 23S (2844 bp), and 5S (116 bp) genes, and 45 tRNAs (21 unique: 20 standard plus tRNA-fMet). The GC content of this MAG is 55%. Predicted to degrade phthalate (phthalate 4,5-dioxygenase [EC:1.14.12.7]).

Classification

Bacteria » *Verrucomicrobiota* » *Verrucomicrobiia* » *Verrucomicrobiales* » *Verrucomicrobiaceae* » *Verrucomicrobium* » *Verrucomicrobium antarcticum*

References

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

Registry URL

<https://seqco.de/i:51225>

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)