

Species *Brevundimonas antarctica*

Etymology

[an.tarc'ti.ca] **L. fem. adj.** *antarctica*, southern, pertaining to Antarctica

Nomenclatural type

[NCBI Assembly: GCA_965609585.1](#)^{Ts}

Description

The type material is the metagenome assembled genome BH-09_PSE1 recovered from soil from Bunger Hills, East Antarctica. The MAG consists of 3.2 Mbp in 138 contigs with an estimated completeness of 92.9% and 1.66% contamination, 16S (1463 bp), and 5S (115 bp) genes, and 42 tRNAs (19 unique: 18 standard plus tRNA-fMet). The GC content of this MAG is 67.4%. Predicted to oxidise sulfur (soxB, S-sulfosulfanyl-L-cysteine sulfohydrolase [EC:3.1.6.20]).

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Caulobacterales* » *Caulobacteraceae* » *Brevundimonas* » *Brevundimonas antarctica*

References

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

Registry URL

<https://seqco.de/i:51216>

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)