Species *Frigidisolicola castellviae*[Ts]

Etymology
[cas.tell.vi.ae] **N.L. gen. n.** *castellviae*, in honor of Josefina Castellví, the first Spanish woman to participate in and coordinate an international expedition to Antarctica

Nomenclatural type
NCBI Assembly: GCA_965609575.1 [Ts]

Description
The type material is the metagenome assembled genome BH-10_PSE17 recovered from soil from Bunger Hills, East Antarctica. The MAG consists of 4.2 Mbp in 112 contigs with an estimated completeness of 94.52% and 0.82% contamination, 16S (1531 bp), 23S (1860 bp), and 5S (114 bp) genes, and 45 tRNAs (21 unique: 19 standard plus tRNA-fMet and tRNA-SeC). The GC content of this MAG is 66.5%. Predicted to degrade hydrocarbons (long-chain alkane monooxygenase [EC:1.14.14.28], and phthalate 4,5-dioxygenase [EC:1.14.12.7]).

Classification
Bacteria » *Pseudomonadota* » *Betaproteobacteria* » *Burkholderiales* » *Burkholderiaceae* » *Frigidisolicola* » *Frigidisolicola castellviae*[Ts]

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

Registry URL
https://seqco.de/i:51218

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