

Species *Fervidibacter canadensis*

Etymology

[ca.na.den'sis] N.L. masc. adj. *canadensis*, of Canada, the country where this organism is from

Nomenclatural type

[NCBI Assembly: GCA_041446545.1](#) ^{TS}

Description

Genomes of this species were recovered from metagenomes from the geothermal Dewar Creek, British Columbia, Canada. GC content of genomes were approximately 57%. Subunits for both the high-affinity and low-affinity terminal oxidases are encoded in the genomes. The high-affinity respiratory H₂-uptake [NiFe] group 1h hydrogenases are encoded by genomes of the species, likely fueling respiration during carbon starvation.

Classification

Bacteria » *Armatimonadota* » *Fervidibacteria* » *Fervidibacterales* » *Fervidibacteraceae* » *Fervidibacter* » *Fervidibacter canadensis*

References

Effective publication: Nou et al., 2024 [1]

Registry URL

<https://seqco.de/i:44081>

References

1. Nou et al. (2024). Genome-guided isolation of the hyperthermophilic aerobic *Fervidibacter sacchari* reveals conserved polysaccharide metabolism in the Armatimonadota. *Nature Communications*. DOI:[10.1038/s41467-024-53784-3](https://doi.org/10.1038/s41467-024-53784-3)