

Species *Thermosaccharophagus gerlachensis*^{Ts}

Etymology

[ger.lach.en'sis] N.L. masc. adj. *gerlachensis*, of Gerlach, the region where Great Boiling Spring is located in Nevada, where this organism is from

Nomenclatural type

[NCBI Assembly: GCA_041538025.1](#)^{Ts}

Description

The sole genome representative for the species was recovered from a metagenome from Great Boiling Spring, Gerlach, Nevada, USA. GC content is 47%. No terminal oxidases are encoded by this genome, and the presence of the Wood-Ljungdahl pathway likely indicates this species is a strict anaerobe. Genes encoding a group 4d hydrogenase is present in multiple copies.

Classification

Bacteria » *Armatimonadota* » *Fervidibacteria* » *Fervidibacterales* » *Thermosaccharophagaceae* » *Thermosaccharophagus* » *Thermosaccharophagus gerlachensis*^{Ts}

References

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

Registry URL

<https://seqco.de/i:44087>

References

1. Nou et al. (2024). Genome-guided isolation of the hyperthermophilic aerobe *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)