

Species *Methanoplasma termitum*^{Ts}

Etymology

[ter'mi.tum] L. gen. pl. n. *termitum*, a woodworm, a termite

Nomenclatural type

[NCBI Assembly: GCF_000800805.1](#)^{Ts}

Description

The species identified by metagenomic analyses. Cells are cocci with a diameter of 0.5–0.8 µm. No cell wall. No autofluorescence under UV light due to lack of cofactor F420. Utilize only H₂ + methanol or H₂ + monomethylamine as substrates for methanogenesis. Require yeast extract, coenzyme M, and vitamins for growth. Species identified by physiological and genomic analyses of a highly enriched culture. The G+C content of the type genome is 49.2 mol%, and the genome size is 1.48 Mbp.

Classification

Archaea » *Methanobacteriota* » *Thermoplasmata* » *Methanomassiliicoccales* » *Methanomethylophilaceae* » *Methanoplasma* » *Methanoplasma termitum*^{Ts}

References

Effective publication: Lang et al., 2015 [1]

Registry URL

<https://seqco.de/i:46>

References

1. Lang et al. (2015). New Mode of Energy Metabolism in the Seventh Order of Methanogens as Revealed by Comparative Genome Analysis of “Candidatus *Methanoplasma termitum*”. *Applied and Environmental Microbiology*. [DOI:10.1128/aem.03389-14](https://doi.org/10.1128/aem.03389-14)