

## Species *Methanoplasma termitum*<sup>Ts</sup>

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### Etymology

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

### Nomenclatural type

[NCBI Assembly: GCF\\_000800805.1](#)<sup>Ts</sup>

### 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 H<sub>2</sub> + methanol or H<sub>2</sub> + 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*<sup>Ts</sup>

### 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)