

Species *Methanoliparum thermophilum*^{Ts}

Etymology

[ther.mo.phi'lum] Gr. n. *thermé*, heat; N.L. neut. adj. suff. *-philum*, friend, loving (from Gr. adj. *philos* -ê -on); N.L. neut. adj. *thermophilum*, heat-loving

Nomenclatural type

[NCBI Assembly: GCA_004212075.1](#)^{Ts}

Description

This organism is not isolated. It is represented by a near-complete MAG, NM1a, (GCA_004212075.1) obtained from an enrichment culture (50°C) using biodegraded oil as inoculum from Brazil. Analyses of enrichment cultures (Borrel et al., 2019; Laso-Perez et al., 2019; Zhou et al., 2022) indicate that this organism can utilize long-chain alkanes as substrate for methanogenesis.

Classification

Archaea » *Methanobacteriota* » *Methanoliparia* » *Methanoliparales* » *Methanoliparaceae* » *Methanoliparum* » *Methanoliparum thermophilum*^{Ts}

References

Effective publication: Borrel et al., 2019 [1]

Registry URL

<https://seqco.de/i:32048>

References

1. Borrel et al. (2019). Wide diversity of methane and short-chain alkane metabolisms in uncultured archaea. *Nature Microbiology*. [DOI:10.1038/s41564-019-0363-3](https://doi.org/10.1038/s41564-019-0363-3)