

Family *Methanomethylophilaceae*

Etymology

[Me.tha.no.me.thy.lo.phi.la'ce.ae] **N.L. masc. n.** *Methanomethylophilus*, referring to the type genus *Methanomethylophilus*; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Methanomethylophilaceae*, the *Methanomethylophilus* family

Nomenclatural type

Genus *Methanomethylophilus*

Description

The family is defined by relative evolutionary divergence (RED) and phylogenomic analysis as a monophyletic group.

Classification

Archaea » *Methanobacteriota* » *Thermoplasmata* » *Methanomassiliicoccales* » *Methanomethylophilaceae*

References

Effective publication: Borrel et al., 2023 [1]

Registry URL

<https://seqco.de/i:32484>

References

1. Borrel et al. (2023). *Methanomethylophilus alvi* gen. nov., sp. nov., a Novel Hydrogenotrophic Methyl-Reducing Methanogenic Archaea of the Order Methanomassiliicoccales Isolated from the Human Gut and Proposal of the Novel Family Methanomethylophilaceae fam. nov. *Microorganisms*. DOI:10.3390/microorganisms11112794