

## Order *Candidatus* Methanomethylicaes

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### Etymology

[Me.tha.no.me.thy.li.ca'les] N.L. masc. n. *Methanomethylicus*, referring to the type genus *Methanomethylicus*; -ales, ending to denote an order; N.L. fem. pl. n. *Methanomethylicaes*, the *Methanomethylicus* order

### Nomenclatural type

Genus *Candidatus* *Methanomethylicus*

### Description

The description is the same as for the genus *Methanomethylicus*.

### Classification

*Archaea* » “Methanomethylicota” » *Candidatus* *Methanomethylicia* » *Candidatus* *Methanomethylicaes*

### References

Effective publication: Vanwonterghem et al., 2016 [1]  
*Corrigendum*: Berghuis et al., 2019 [2] (from “Methanomethylicaes”)

### Registry URL

<https://seqco.de/i:23979>

## References

1. Vanwonterghem et al. (2016). Methylotrophic methanogenesis discovered in the archaeal phylum Verstraetearchaeota. *Nature Microbiology*. DOI:10.1038/nmicrobiol.2016.170
2. Berghuis et al. (2019). Hydrogenotrophic methanogenesis in archaeal phylum Verstraetearchaeota reveals the shared ancestry of all methanogens. *Proceedings of the National Academy of Sciences*. DOI:10.1073/pnas.1815631116