

Genus *Methanoflorens*

Etymology

[Me.tha.no.flo'rens] **N.L. pref.** *methano-*, pertaining to methane; **L. pres. part.** *florens*, blooming, abundant; **N.L. masc. n.** *Methanoflorens*, an abundant methane-producing organism

Nomenclatural type

Species *Methanoflorens stordalenmirensis*^{T5}

Description

Established by [Mondav et al. \(2014\)](#) on the basis of 16S rRNA and genome-based phylogenetic reconstruction including only *M. stordalenmirensis*, and expanded by [Woodcroft et al. \(2018\)](#) to also include *M. crillii*. Corresponding to g__Bog-38 in GTDB.

Classification

Archaea » *Methanobacteriota* » "Methanomicrobia" » *Methanoflorentales* » *Methanoflorentaceae* » *Methanoflorens*

References

Effective publication: Woodcroft et al., 2018 [1]
Original (not valid) publication: Mondav et al., 2014 [2]
Assigned taxonomically: Mondav et al., 2014 [2]

Registry URL

<https://seqco.de/i:32552>

References

1. Woodcroft et al. (2018). Genome-centric view of carbon processing in thawing permafrost. *Nature*. DOI:10.1038/s41586-018-0338-1
2. Mondav et al. (2014). Discovery of a novel methanogen prevalent in thawing permafrost. *Nature Communications*. DOI:10.1038/ncomms4212