

Species *Methanimicrococcus hongohii*

Etymology

[hon.goh'i.i.] N.L. gen. masc. n. *hongohii*, of Hongoh, named after Yuichi Hongoh in recognition of his important contributions to arthropod gut microbiology

Nomenclatural type

[NCBI Assembly: GCA_032594095.1](#)^{TS}

Reference Strain

Hf6 = [DSM 114388](#) = [JCM 39385](#)

Description

Irregular cocci cells 1–2 µm in diameter, non-motile. Use methanol and methylamines as methanogenesis substrates together with hydrogen. Requires acetate and Casamino acids; formate is stimulatory. The optimum temperature is 37 °C. The G+C content of the type genome is 41.0%, and the genome size is 2.13 Mbp.

Classification

Archaea » *Methanobacteriota* » “Methanomicrobia” » *Methanosarcinales* » *Methanosarcinaceae* » *Methanimicrococcus* » *Methanimicrococcus hongohii*

References

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

Registry URL

<https://seqco.de/i:32596>

References

1. Protasov et al. (2023). Diversity and taxonomic revision of methanogens and other archaea in the intestinal tract of terrestrial arthropods. *Frontiers in Microbiology*. [DOI:10.3389/fmicb.2023.1281628](https://doi.org/10.3389/fmicb.2023.1281628)