

Species *Methanimicrococcus stummii*

Etymology

[stumm'i.i] N.L. gen. masc. n. *stummii*, of Stumm, named in honor of Claudius K. Stumm for his important contributions on the symbiosis of methanogens with anaerobic protists

Nomenclatural type

[NCBI Assembly: GCA_032594435](#) ^{Ts}

Reference Strain

Es2

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 and yeast extract are stimulatory. The optimum temperature is 37 °C. The G+C content of the type genome is 43.1%, and the estimated genome size is 1.78 Mbp.

Classification

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

References

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

Registry URL

<https://seqco.de/i:32599>

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