

Species *Methanocatella gottschalkii*

Etymology

[gott.schalk'i.i] N.L. gen. masc. n. *gottschalkii*, of Gottschalk, named in honor of Gerhard Gottschalk for his notable contributions to the understanding of the biochemistry of methanogenesis

Nomenclatural type

[NCBI Assembly: GCF_003814835.1](#) ^{TS}

Reference Strain

HO = [ATCC BAA-1169](#) = [DSM 11977](#)

Description

Coccobacillus with rounded ends, about 0.7 µm in width and 0.9 µm in length, occurring in pairs or short chains. Gram-positive reaction. Cell walls are composed of pseudomurein. Cells are resistant to lysis by SDS. Optimum temperature 37 °C. Optimum pH 7 (as in [Miller, Lin, 2002](#)). The G+C content of the type genome is 30.0 mol%, and the genome size is 1.87 Mbp.

Classification

Archaea » *Methanobacteriota* » *Methanobacteria* » *Methanobacteriales* » *Methanobacteriaceae* » *Methanocatella* » *Methanocatella gottschalkii*

References

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

Registry URL

<https://seqco.de/i:32434>

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)