

Species *Methanocatella thaueri*

Etymology

[thau'er.i] N.L. gen. masc. n. *thaueri*, of Thauer, named in honor of Rudolf K. Thauer for his fundamental contributions to the delineation of the biochemistry of methanogenesis

Nomenclatural type

[NCBI Assembly: GCF_003111625.1](#)^{Ts}

Reference Strain

[DSM 11995](#)

Description

Coccobacillus, with slightly tapered ends, about 0.5 µm in width and 0.6–1.2 µm in length, occurring in pairs and short chains. Some chains may have elongated cells. 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 36.9 mol%, and the genome size is 2.24 Mbp.

Classification

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

References

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

Registry URL

<https://seqco.de/i:32437>

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