

## Species *Methanocatella gottschalkii*

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### 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](#) <sup>TS</sup>

### 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)