

## Genus *Candidatus Hydrogenosomobacter*

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### Etymology

[Hy.dro.ge.no.so.mo.bac'ter] N.L. n. *hydrogenosome*, hydrogenosome; N.L. masc. n. *bacter*, a rod; N.L. masc. n. *Hydrogenosomobacter*, a rod living close to the hydrogenosome

### Nomenclatural type

Species *Candidatus Hydrogenosomobacter endosymbioticus*

### Description

*Alphaproteobacteria*, *Holosporales*. Only the type species “*Ca. Hydrogenosomobacter endosymbioticus*” is known, and its 16S rRNA gene sequence (DDBJ/EMBL/GenBank accession no. [LC466993](#); 1,418 bp) shows percent identities of 87.2% with *Holospora elegans* (DDBJ/EMBL/GenBank accession no. [BAUP01000039](#)), 86.5% with *H. obtusa* (DDBJ/EMBL/GenBank accession no. [X58198](#)), and 85.1% with *Cae. caryophilus* (DDBJ/EMBL/GenBank accession no. [X71837](#)).

### Classification

*Bacteria* » *Pseudomonadota* » *Alphaproteobacteria* » *Holosporales* » “*Holosporaceae*” » *Candidatus Hydrogenosomobacter*

### References

Effective publication: Takeshita et al., 2019 [1]

### Registry URL

<https://seqco.de/i:23416>

## References

1. Takeshita et al. (2019). Tripartite Symbiosis of an Anaerobic Scuticociliate with Two Hydrogenosome-Associated Endosymbionts, a *Holospora* -Related Alphaproteobacterium and a Methanogenic Archaeon. *Applied and Environmental Microbiology*. [DOI:10.1128/aem.00854-19](https://doi.org/10.1128/aem.00854-19)