

## Species *Termitispirillum cryptocerci*<sup>Ts</sup>

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### Etymology

[cryp.to.cer'ci] **N.L. gen. n.** *cryptocerci*, of *Cryptocercus*, referring to the host cockroach genus

### Nomenclatural type

[INSDC Nucleotide: AP043677](#)<sup>Ts</sup>

### Description

The bacterium specifically attaches to the cell surfaces of *Trichonympha acuta* and *Trichonympha lata* in the gut of *Cryptocercus punctulatus*. The cell dimensions are 3–13 µm by 0.4 µm. This assignment is based on the 16S rRNA gene sequence (LC866555, LC866555) and detection by FISH using the oligonucleotide probe Defferri-term-661 (Table S2). A complete genome sequence (AP043677) was obtained. This species includes phylotypes CpT06-9, CpT15-2, and CpT32-4.

### Classification

*Bacteria* » *Deferribacterota* » *Deferribacteres* » *Deferribacterales* » *Termitispirillaceae* » *Termitispirillum* » *Termitispirillum cryptocerci*<sup>Ts</sup>

### References

Effective publication: Maruoka et al., 2026 [1]

### Registry URL

<https://seqco.de/i:54886>

## References

1. Maruoka et al. (2026). Discovery and genomics of H<sub>2</sub>-oxidizing/O<sub>2</sub>-reducing *Deferribacterota* ectosymbiotic with protists in the guts of termites and a *Cryptocercus* cockroach. *ISME Communications*. [DOI:10.1093/ismeco/ycag002](https://doi.org/10.1093/ismeco/ycag002)