

## Species *Pillotina corrugata*

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### Etymology

[cor.ru.ga'ta] **L. fem. part. adj.** *corrugata*, wrinkled, corrugated

### Nomenclatural type

[NCBI Assembly: GCA\\_054669185.1](#)<sup>Ts</sup>

### Description

Helical cells are 0.9–1.2 µm in diameter, with 26–30 parallel ridges. The length varies between 40 and 90 µm. Approx. 70–100 periplasmic flagella. The protoplasmic cylinder is 0.4–0.5 µm in diameter. Members of this species colonize the hindgut of the genus *Kalotermes*. They can be detected with the 16S rRNA-targeted oligonucleotide probe Kf-Pil-1449 (5'-GCAGCGCCCTCCTTTTACAA-3'). The type genome is from *Kalotermes flavicollis*.

Includes all genomes that show ≥95% average nucleotide identity (ANI) to the type genome. The type genome has an estimated genome size of 3.14 Mbp and a GC content of 43.2 mol%.

### Classification

*Bacteria* » *Spirochaetota* » *Spirochaetia* » *Spirochaetales* » *Spirochaetaceae* » *Pillotina* » *Pillotina corrugata*

### References

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

### Registry URL

<https://seqco.de/i:51288>

## References

1. Treitli et al. (2026). Metabolic capacities of large “pillotinaceous” spirochetes from termite guts and their placement among Breznakiellaceae. *BMC Biology*. DOI:10.1186/s12915-026-02591-x