

## Species *Endomicrobiellum pyrsonymphae*

---

### Etymology

[pyr.so.nym'phae] N.L. gen. n. *pyrsonymphae*, of *Pyrsonympha*, referring to the host flagellate.

### Nomenclatural type

[NCBI Assembly: GCA\\_020328045.1](#)<sup>TS</sup>

### Description

The species comprises only single-cell amplified genomes. Colonizes the cytoplasm of *Pyrsonympha vertens*. Localized in the cytoplasm of *Pyrsonympha vertens* using FISH with a specific oligonucleotide probe. The species includes all bacteria with more than 95% average nucleotide identity (ANI) to the type genome. The GC content of the type strain is 35.3 mol% and the estimated genome size is 1.3Mbp.

### Classification

*Bacteria* » *Elusimicrobiota* » *Endomicrobiia* » *Endomicrobiales* » *Endomicrobiaceae* » *Endomicrobiellum* » *Endomicrobiellum pyrsonymphae*

### References

Effective publication: Mies et al., 2024 [1]

### Registry URL

<https://seqco.de/i:32910>

## References

1. Mies et al. (2024). Genome reduction and horizontal gene transfer in the evolution of Endomicrobia—rise and fall of an intracellular symbiosis with termite gut flagellates. *mBio*. DOI:10.1128/mbio.00826-24