

Species *Candidatus* *Pandoraea novymonadis*

Etymology

[no.vy.mo.na'dis] N.L. *novymonadis*, refers to the specific trypanosomatid host

Nomenclatural type

[NCBI Assembly: GCA_003004665.1](#)^{TS}

Description

Species diagnosis and description: Cells are Gram-negative, nonsporulating, rodlike in shape, measuring between 0.4 and 0.7 in length by 1.5 to 3.0 µm in width, fitting the genus description. They are cultivable axenically and motile. The species is identified by its unique position on the 16S rRNA-based phylogenetic tree.

Type host: *Novymonas esmeraldas* (Trypanosomatidae).

Type material: The name-bearing type, a hapantotype, is a Giemsa-stained slide of the axenic culture of "*Ca. Pandoraea novymonadis*," deposited in the research collection of the Life Science Research Centre in Ostrava and the Institute of Parasitology, České Budějovice, Czech Republic (accession code 2015/E262AT.01/*Pandoraea*).

Classification

Bacteria » *Pseudomonadota* » *Betaproteobacteria* » *Burkholderiales* » *Burkholderiaceae* » *Pandoraea* » *Candidatus Pandoraea novymonadis*

References

Proposed: Kostygov et al., 2016

Registry URL

<https://seqco.de/i:731>

References

1. Kostygov et al. (2016). Novel Trypanosomatid-Bacterium Association: Evolution of Endosymbiosis in Action. *mBio*. [DOI:10.1128/mbio.01985-15](https://doi.org/10.1128/mbio.01985-15)