

Order *Azoamicales*

Etymology

[A.zo.a.mi.ca'les] **N.L. masc. n.** *Azoamicus*, referring to the type genus *Azoamicus*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Azoamicales*, the *Azoamicus* order

Nomenclatural type

Genus *Azoamicus*

Description

'*Candidatus* Azoamicales' (A.zo.a.mi.ca.les. **N.L. masc. n.** *Azoamicus*. type genus of the order; **N.L. suff.** *-ales* to denote an order; **N.L. masc. pl. n.** *Azoamicales*, the order of the genus *Azoamicus*). A bacterial order identified by metagenomic analyses and delineated according to Relative Evolutionary Distance by the Genome Taxonomy Database (GTDB). Phylogenetic analyses in this work have shown that the previously published '*Candidatus* *Azoamicus* *ciliaticola*' is assigned to an uncharacterized order with provisional designation UBA6186. Consequently, we propose to rename the UBA6186 order to '*Candidatus* *Azoamicales*', the type genus of the order is '*Candidatus* *Azoamicus*'. The order is assigned to the class Gammaproteobacteria.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Azoamicales*

References

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

Registry URL

<https://seqco.de/i:49082>

References

1. Speth et al. (2024). Genetic potential for aerobic respiration and denitrification in globally distributed respiratory endosymbionts. *Nature Communications*. [DOI:10.1038/s41467-024-54047-x](https://doi.org/10.1038/s41467-024-54047-x)