

Genus *Sororendozoicomonas*

Etymology

[So.ror.en.do.zo.i.co.mo'nas] L. **fem. n.** *soror*, sister; L. **fem. n.** *Endozoicomonas*, a bacterial genus; L. **fem. n.** *Sororendozoicomonas*, Sister taxon of Endozoicomonas genus

Nomenclatural type

Species *Sororendozoicomonas aggregata*^{T5}

Description

Sororendozoicomonas (So.ror.en.do.zo.i.co.mo'nas. L. fem. n. soror, sister; *Endozoicomonas*, taxonomic name of a bacterial genus; *Sororendozoicomonas* referring to the close relationship to the bacterial genus *Endozoicomonas*).

The genus *Sororendozoicomonas* represents a distinct lineage within the Endozoicomonadaceae family, sister to *Endozoicomonas*, supported by concatenated marker gene phylogenies as well as 16S rRNA gene phylogeny in the present study. *Sororendozoicomonas* show similar functional and metabolic potential to *Endozoicomonas* species. The new genus contains two strains isolated from *Pocillopora* corals (Pac-P3-11-1, from the present study, and Endozoicomonadaceae SCSIO12664) and potentially additional strains isolated from Red Sea *Stylophora pistillata* (only 16S rRNA gene sequences are available - KC669256.1, KC669230.1, KC669217.1, KC669131.1).

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Oceanospirillales* » *Endozoicomonadaceae* » *Sororendozoicomonas*

References

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

Registry URL

<https://seqco.de/i:32314>

References

1. Maire et al. (2024). Tissue-associated and vertically transmitted bacterial symbiont in the coral *Pocillopora acuta*. *The ISME Journal*. DOI:10.1093/ismejo/wrad027