

Symbiodolus clandestinus sp. nov.

Submitted by Wierz, Jürgen

Genus *Symbiodolus*

Etymology

[Sym.bi.o.do'lus] Gr. masc. / fem. n. *symbios*, companion; L. masc. n. *dolus*, malice, bad faith, and the Roman and Greek deity of that is the personification of deception and fraud; N.L. masc. n. *Symbiodolus*, living in symbiosis, but in a deceitful way

Nomenclatural type

Species *Symbiodolus clandestinus*^{Ts}

Description

Monophyletic clade of intracellular symbionts within the *Gammaproteobacteria*; *Enterobacterales*, defined by its 16S rRNA gene sequences as well as (draft) genomes of 16 symbiont strains associated with insects across six different orders. For this so far uncultured, rod-shaped bacterium with an average length of about 1 µm, we propose the name 'Symbiodolus gen. nov.' 'clandestinus sp. nov.'

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Enterobacterales* » *Enterobacteriaceae* » *Symbiodolus*

References

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

Registry URL

<https://seqco.de/i:44281>

Species *Symbiodolus clandestinus*^{Ts}

Etymology

[clan.de.sti'nus] L. masc. adj. *clandestinus*, secret or hidden

Nomenclatural type

[INSDC Nucleotide: CP152425.1](#)^{Ts}

Description

Monophyletic clade of intracellular symbionts within the *Gammaproteobacteria*; *Enterobacterales*, defined by its 16S rRNA gene sequences as well as (draft) genomes of 16 symbiont strains associated with insects across six different orders. For this so far uncultured, rod-shaped bacterium with an average length of about 1 µm, we propose the name 'Symbiodolus clandestinus' gen. nov. sp. nov.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Enterobacterales* » *Enterobacteriaceae* » *Symbiodolus* » *Symbiodolus clandestinus*^{Ts}

References

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

Registry URL

<https://seqco.de/i:44107>

References

1. Wierz et al. (2024). Intracellular symbiont *Symbiodolus* is vertically transmitted and widespread across insect orders. *The ISME Journal*. DOI:[10.1093/ismejo/wrae099](https://doi.org/10.1093/ismejo/wrae099)

Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List seqco.de/r.ysrrov43 submitted by **Wierz, Jürgen** and including 2 new names has been successfully validated.

Date of Priority: 2024-08-18 01:10 UTC

DOI: 10.57973/seqcode.r.ysrrov43

