

Species *Doriopsillibacter californiensis*^{Ts}

Etymology

[ca.li.for.ni.en'sis] N.L. masc. adj. *californiensis*, coming from California

Nomenclatural type

[NCBI Assembly: GCA_030386295.1](#)^{Ts}

Description

Doriopsillibacter californiensis (indicating host name and collection location). Belonging to *Persebacteraceae*, *Tethybacterales*, *Gammaproteobacteria*. The whole genome-based phylogenies enabled the assignment of the *Doriopsillibacter* genus. Symbiont of nudibranch *Doriopsilla fulva* (Dendrodorididae, Nudibranchia) collected from a tide pool at Pillar Point, California, USA (37° 29' 41.427" N, 122° 29' 57.994" W), discovered by synthase-selected single-cell genomics. Mucus-producing goblet cells of *Doriopsilla fulva* appear to be the primary reservoir of *D. californiensis*. Genome sequence available at NCBI with BioProject ID: PRJNA864331.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Tethybacterales* » *Persebacteraceae* » *Doriopsillibacter* » *Doriopsillibacter californiensis*^{Ts}

References

Effective publication: Džunková et al., 2023 [1]

Registry URL

<https://seqco.de/i:31268>

References

1. Džunková et al. (2023). Synthase-selected sorting approach identifies a beta-lactone synthase in a nudibranch symbiotic bacterium. *Microbiome*. [DOI:10.1186/s40168-023-01560-8](https://doi.org/10.1186/s40168-023-01560-8)