

Doriopsillibacter gen. nov. and Doriopsillibacter californiensis sp. nov.

Submitted by Dzunkova, Maria

Table 1: Complete list of names proposed in the current register list.

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus <i>Doriopsillibacter</i>	[Do.ri.op.si.lli.bac'ter] N.L. fem. n. Doriopsilla , genus name of the host animal; N.L. masc. n. bacter , bacterium; N.L. masc. n. Doriopsillibacter , bacterium inhabiting Doriopsilla host	<i>Doriopsillibacter</i> (indicating host name). Belonging to <i>Persebacteraceae</i> , <i>Tethybacterales</i> , <i>Gammaproteobacteria</i> . The whole genome-based phylogenies enabled the assignment of the <i>Doriopsillibacter</i> genus. Symbiont of nudibranch <i>Doriopsilla fulva</i> (<i>Dendrodorididae</i> , <i>Nudibranchia</i>) 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 <i>Doriopsilla fulva</i> appear to be the primary reservoir of <i>Doriopsillibacter</i> . Genome sequence available at NCBI with BioProject ID: PRJNA864331.	<i>Persebacteraceae</i>	<i>Doriopsillibacter californiensis</i> ^{Ts}	seqco.de/i:31269
Species <i>Doriopsillibacter californiensis</i> ^{Ts}	[ca.li.for.ni.en'sis] N.L. masc. adj. californiensis , coming from California	<i>Doriopsillibacter californiensis</i> (indicating host name and collection location). Belonging to <i>Persebacteraceae</i> , <i>Tethybacterales</i> , <i>Gammaproteobacteria</i> . The whole genome-based phylogenies enabled the assignment of the <i>Doriopsillibacter</i> genus. Symbiont of nudibranch <i>Doriopsilla fulva</i> (<i>Dendrodorididae</i> , <i>Nudibranchia</i>) 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 <i>Doriopsilla fulva</i> appear to be the primary reservoir of <i>D. californiensis</i> . Genome sequence available at NCBI with BioProject ID: PRJNA864331.	<i>Doriopsillibacter</i>	NCBI Assembly: GCA_030386295.1 ^{Ts}	seqco.de/i:31268