

Hepatobacter penaei sp. nov. and Hepatobacter gen. nov.

Submitted by Chuvochina, Maria

Genus *Hepatobacter*

Etymology

[He.pa.to.bac'ter] Gr. neut. n. *hepar*, *hepatos*, liver; N.L. masc. n. *bacter*, rod; N.L. masc. n. *Hepatobacter*, a rod from the liver

Nomenclatural type

Species *Hepatobacter penaei*^{Ts}

Description

The description is the same as given to the type species by (Nunan et al., 2013).

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Holosporales* » "Hepatobacteraceae" » *Hepatobacter*

References

Proposed: Nunan et al., 2013

Registry URL

<https://seqco.de/i:31929>

Species *Hepatobacter penaei*^{Ts}

Etymology

[pe.nae'i] N.L. gen. n. *penaei*, of the prawn genus *Penaeus*

Nomenclatural type

[NCBI Assembly: GCA_000742475.1](#)^{Ts}

Description

Nunan et al., 2013: Obligate intercellular pathogen of *Penaeus vannamei*, the Pacific white shrimp, that cannot be cultivated in cell-free media. The geographic range is limited to the western hemisphere. The Gram-negative organism is motile by means of eight flagella located at the basal apex. The bacteria present two morphological variants consisting of a rod-shaped organism (0.25 by 0.9 µm) and a helical form (0.25 by 2 to 3.5 µm).

Phylogenetic analysis, inferred from 16S rRNA and gyrase B gene sequences, places this bacterium within the class *Alphaproteobacteria*.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Holosporales* » "Hepatobacteraceae" » *Hepatobacter* » *Hepatobacter penaei*^{Ts}

References

Proposed: Nunan et al., 2013

Registry URL

<https://seqco.de/i:121>

References

1. Nunan et al. (2013). "Candidatus Hepatobacter penaei," an Intracellular Pathogenic Enteric Bacterium in the Hepatopancreas of the Marine Shrimp *Penaeus vannamei* (Crustacea: Decapoda). *Applied and Environmental Microbiology*. [DOI:10.1128/aem.02425-12](https://doi.org/10.1128/aem.02425-12)

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:4eldu-g9 submitted by **Chuvochina, Maria** and including 2 new names has been successfully validated.

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