

## Species *Hepatobacter penaei*<sup>TS</sup>

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### Etymology

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

### Nomenclatural type

[NCBI Assembly: GCA\\_000742475.1](#)<sup>TS</sup>

### 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*<sup>TS</sup>

### References

Effective publication: Nunan et al., 2013 [1]

### 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)