

# Tethybacterales

Submitted by Taylor, Jessica A.

## Order *Tethybacterales*

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### Etymology

[Te.thy.bac.te.ra'les] L. **masc. n.** *Tethybacter*, referring to the type genus *Tethybacter*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Tethybacterales*, the *Tethybacter* order

### Nomenclatural type

Genus *Tethybacter*

### Description

Marine, heterotrophic, symbiotic bacteria

### Classification

*Bacteria* » *Pseudomonadota* » *Gammaproteobacteria* » *Tethybacterales*

### References

Effective publication: Taylor et al., 2021 [1]

Assigned taxonomically: Taylor et al., 2021 [1]

### Registry URL

<https://seqco.de/i:43953>

## Family *Tethybacteraceae*

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### Etymology

[Te.thy.bac.te.ra'ce.ae] L. **masc. n.** *Tethybacter*, referring to the type genus *Tethybacter*; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Tethybacteraceae*, the *Tethybacter* family

### Nomenclatural type

Genus *Tethybacter*

### Description

Heterotrophic, symbiotic bacteria of marine sponges

### Classification

*Bacteria* » *Pseudomonadota* » *Gammaproteobacteria* » *Tethybacterales* » *Tethybacteraceae*

### References

Effective publication: Taylor et al., 2021 [1]

Assigned taxonomically: Taylor et al., 2021 [1]

### Registry URL

<https://seqco.de/i:43931>

## Genus *Tethybacter*

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### Etymology

[Te.thy.bac'ter] **N.L. pref.** *Tethy-*, an arbitrarily formed prefix to refer to Tethys, the mother of the Greek oceanids, and the sponge genus *Tethya*, the host of the first discovered members of this taxon; **N.L. masc. n.** *bacter*, a rod; **N.L. masc. n.** *Tethybacter*, a bacterial genus referring to Tethys and discovered initially from the host *Tethya* stolonifera

#### Nomenclatural type

Species *Tethybacter castelli*<sup>Ts</sup>

#### Description

Heterotrophic, symbiotic bacteria of marine sponges

#### Classification

*Bacteria* » *Pseudomonadota* » *Gammaproteobacteria* » *Tethyobacteriales* » *Tethybacteraceae* » *Tethybacter*

#### References

Effective publication: Taylor et al., 2021 [1]

Assigned taxonomically: Taylor et al., 2021 [1]

#### Registry URL

<https://seqco.de/i:43925>

## Species *Tethybacter castelli*<sup>Ts</sup>

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#### Etymology

[cas'tel.li] L. gen. n. *castelli*, originating from a fort, referring to Bare Island at Botany Bay, NSW, Australia.

#### Nomenclatural type

[NCBI Assembly: GCA\\_036679665.1](#)<sup>Ts</sup>

#### Description

Heterotrophic, symbiotic bacteria of the marine sponge *Cymbastela concentrica*.

#### Classification

*Bacteria* » *Pseudomonadota* » *Gammaproteobacteria* » *Tethyobacteriales* » *Tethybacteraceae* » *Tethybacter* » *Tethybacter castelli*<sup>Ts</sup>

#### References

Effective publication: Taylor et al., 2021 [1]

Assigned taxonomically: Taylor et al., 2021 [1]

#### Registry URL

<https://seqco.de/i:43924>

## References

1. Taylor et al. (2021). Phylogeny resolved, metabolism revealed: functional radiation within a widespread and divergent clade of sponge symbionts. *The ISME Journal*. DOI:10.1038/s41396-020-00791-z

## 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:hcd3qk3](https://seqco.de/r:hcd3qk3) submitted by **Taylor, Jessica A.** and including 4 new names has been successfully validated.

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