

# Thalassospirochaeta sargassi gen. nov. sp. nov.

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## Genus *Thalassospirochaeta*

### Etymology

[Tha.las.so.spi.ro.chae'ta] Gr. n. *thalassa*, the sea; N.L. fem. n. *Spirochaeta*, bacterial genus name; N.L. fem. n. *Thalassospirochaeta*, Spirochaeta-related organism from the sea

### Nomenclatural type

Species *Thalassospirochaeta sargassi*<sup>Ts</sup>

### Description

This novel member shows the presence of flagellated genes and genes responsible for flagellar rotation. It is an obligate anaerobe due to the absence of catalase and oxidases.

### Classification

*Bacteria* » *Spirochaetota* » *Spirochaetia* » *Spirochaetales* » *Spirochaetaceae* » *Thalassospirochaeta*

### References

Effective publication: Pragma et al., 2024 [1]

### Registry URL

<https://seqco.de/i:31280>

## Species *Thalassospirochaeta sargassi*<sup>Ts</sup>

### Etymology

[sar.gas'si] N.L. gen. n. *sargassi*, of Sargassum, referring to the genus name of the brown algae

### Nomenclatural type

[NCBI Assembly: GCA\\_028532855.1](#)<sup>Ts</sup>

### Description

GC content is 43.93. Flagellated and obligate anaerobes. MEP pathway for terpenoid biosynthesis. vanT AMR genes present.

### Classification

*Bacteria* » *Spirochaetota* » *Spirochaetia* » *Spirochaetales* » *Spirochaetaceae* » *Thalassospirochaeta* » *Thalassospirochaeta sargassi*<sup>Ts</sup>

### References

Effective publication: Pragma et al., 2024 [1]

### Registry URL

<https://seqco.de/i:31279>

## References

1. Pragma et al. (2024). Phylogenomic analysis of metagenome-assembled genomes indicates new taxa in the order Spirochaetales and proposal of *Thalassospirochaeta sargassi* gen. nov. sp. nov. from seaweeds. *Systematic and Applied Microbiology*. DOI:10.1016/j.syapm.2024.126502

## 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:jarzruyb](https://seqco.de/r:jarzruyb) submitted by **Chintalapati, Venkata Ramana** and including 2 new names has been successfully validated.

**Date of Priority:** 2024-08-01 07:30 UTC

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