

Thalassospirochaeta sargassi gen. nov. sp. nov.

Submitted by Chintalapati, Venkata Ramana

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*^{Ts}

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*^{Ts}

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](https://ncbi.nlm.nih.gov/assembly/GCA_028532855.1)^{Ts}

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*^{Ts}

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 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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