

Order *Magnimaribacterales*

Etymology

[Mag.ni.ma.ri.bac.ter.a'les] **N.L. masc. n.** *Magnimaribacter*, referring to the type genus *Magnimaribacter*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Magnimaribacterales*, the *Magnimaribacter* order

Nomenclatural type

Genus *Magnimaribacter*

Description

This order was named following the isolation of a SAR86 bacterium from surface seawater of the tropical Pacific Ocean collected from Kāneʻohe Bay, Oʻahu, Hawaiʻi. It is the first isolated member of the SAR86 clade of gammaproteobacteria, which we have named the *Magnimaribacterales*. The *Magnimaribacterales* are frequently one of the most abundant groups of marine bacteria found across the global ocean.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Magnimaribacterales*

References

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

Registry URL

<https://seqco.de/i:44153>

References

1. Ramfelt et al. (2024). Isolate-anchored comparisons reveal evolutionary and functional differentiation across SAR86 marine bacteria. *The ISME Journal*. DOI:10.1093/ismejo/wrae227