

Genus *Magnimaribacter*

Etymology

[Mag.ni.ma.ri.bac'ter] **L. masc. adj.** *magnus*, great in importance or number; **L. fem. n.** *mare*, sea; **N.L. masc. n.** *bacter*, a rod; **N.L. masc. n.** *Magnimaribacter*, an abundant microbe in the global oceans

Nomenclatural type

Species *Magnimaribacter mokuoloeensis*^{TS}

Description

This type isolate of this genus was isolated 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, the order of which we have named the Magnimaribacterales. The Magnimaribacterales are frequently one of the most abundant groups of marine bacteria found across the global ocean. This isolate opens an unprecedented window toward understanding the genomic and metabolic traits that contribute to the success of this lineage.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Magnimaribacterales* » *Magnimaribacteraceae* » *Magnimaribacter*

References

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

Registry URL

<https://seqco.de/i:44052>

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