

Magnimaribacter mokuloeensis gen. nov. sp. nov.

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Table 1: Complete list of names proposed in the current register list.

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Order <i>Magnimaribacterales</i>	[Mag.ni.ma.ri.bac.ter.a'les] N.L. masc. n. <i>Magnimaribacter</i> , referring to the type genus <i>Magnimaribacter</i> ; <i>-ales</i> , ending to denote an order; N.L. fem. pl. n. <i>Magnimaribacterales</i> , the <i>Magnimaribacter</i> order	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 <i>Magnimaribacterales</i> . The <i>Magnimaribacterales</i> are frequently one of the most abundant groups of marine bacteria found across the global ocean.	<i>Gammaproteobacteria</i>	<i>Magnimaribacter</i>	seqco.de/i:44153
Family <i>Magnimaribacteraceae</i>	[Mag.ni.ma.ri.bac.ter.a'ce.ae] N.L. masc. n. <i>Magnimaribacter</i> , referring to the type genus <i>Magnimaribacter</i> ; <i>-aceae</i> , ending to denote a family; N.L. fem. pl. n. <i>Magnimaribacteraceae</i> , the <i>Magnimaribacter</i> family	This family was established 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 <i>Magnimaribacterales</i> . The <i>Magnimaribacterales</i> are frequently one of the most abundant groups of marine bacteria found across the global ocean.	<i>Magnimaribacterales</i>	<i>Magnimaribacter</i>	seqco.de/i:44054
		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			

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Genus <i>Magnimaribacter</i>	[Mag.ni.ma.ri.bac'ter] L. masc. adj. <i>magnus</i> , great in importance or number; L. fem. n. <i>mare</i> , sea; N.L. masc. n. <i>bacter</i> , a rod; N.L. masc. n. <i>Magnimaribacter</i> , an abundant microbe in the global oceans	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.	<i>Magnimaribacteraceae</i>	<i>Magnimaribacter mokuoloeensis</i> ^{Ts}	seqco.de/i:44052
Species <i>Magnimaribacter mokuoloeensis</i> ^{Ts}	[mo.ku.o.loe.en'sis] N.L. masc. adj. <i>mokuoloeensis</i> , Named after Moku o Lo'e, an island in Kāne'ohe Bay, O'ahu, where the organism was discovered from	This bacterium was isolated from surface seawater of the tropical Pacific Ocean collected from Kāne'ohe Bay, O'ahu, Hawai'i. 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. This isolate opens an unprecedented window toward understanding the genomic and metabolic traits that contribute to the success of this lineage.	<i>Magnimaribacter</i>	NCBI Assembly: GCA_041860225.1 ^{Ts}	seqco.de/i:44051