

Register list for 7 new names including Pseudoplanktomarina gen. 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
Genus <i>Pseudoplanktomarina</i>	[Pseu.do.plank.to.ma.ri'na] Gr. neut. adj. <i>pseudes</i>, false; N.L. fem. n. <i>Planktomarina</i> , a marine bacterial genus; N.L. fem. n. <i>Pseudoplanktomarina</i>, the false Planktomarina	Members of <i>Candidatus</i> Pseudoplanktomarina genus are aerobic heterotrophic bacteria with an average genomes size 2.41 Mbp (raw: 2.17 Mbp) and a GC content of 0.43. Currently, there are three distinct species exhibiting different distribution patterns across the global ocean. All species in this group contain a proteorhodopsin gene, however, lack genes for sox and CODH clusters. Entner-Doudoroff and pentose phosphate pathways are two major pathways for glycolysis catabolism in <i>Candidatus</i> Pseudoplanktomarina. Additionally, genes involved in DMSP and DHPS degradation are also present in this genus. The type species of the genus <i>Pseudoplanktomarina</i> is <i>Pseudoplanktomarina karensis</i> .	<i>Paracoccaceae</i>	<i>Pseudoplanktomarina karensis</i> ^{Ts}	seqco.de/i:24061
Species <i>Pseudoplanktomarina karensis</i> ^{Ts}	[kar.en'sis] N.L. fem. adj. <i>karensis</i> , pertaining to the Kara Sea, corresponding to the origin from where the genome was recovered (Kara Sea)	The type material, GCA_951541495.1 (MAG B2-20), is a metagenome-assembled genome from a sample taken at the epipelagic zone in the Kara Sea, Arctic Ocean (Biosample accession: SAMEA4397239). The assembly genome is of high quality with 95.6 % completeness with 0.02 % contamination and the genome contains 16 tRNA genes. The genome size is 2.28 (raw: 2.18) with a GC content of 0.44. <i>Pseudoplanktomarina karensis</i> is the type species of the new genus <i>Pseudoplanktomarina</i> .	<i>Pseudoplanktomarina</i>	NCBI Assembly: GCA_951541495.1 ^{Ts}	seqco.de/i:24063
Species <i>Planktomarina antarctica</i>	[ant.arc'ti.ca] L. fem. adj. <i>antarctica</i> , of the Antarctic, corresponding to the origin from where the genome was recovered (Antarctic ocean)	The type material, GCA_029962705.1 (MAG C5-3), is a metagenome-assembled genome from a sample taken at the epipelagic zone in the Southern Ocean in 2012 (Biosample accession: SAMEA5958381). The assembly genome is of high quality with 94.16% completeness and 1.77 % contamination and contains 16 tRNA genes. The genome size is 2.80 Mbp (raw: 2.68 Mbp) with a GC content of 0.48.	<i>Planktomarina</i>	NCBI Assembly: GCA_029962705.1 ^{Ts}	seqco.de/i:24060

Proposed Taxon	Etymology	Description	Parent Taxon	Type	Registry URL
Species <i>Planktomarina arctica</i>	[arc'ti.ca] L. fem. adj. <i>arctica</i> , northern, from the Arctic, corresponding to the origin from where the genome was recovered (Arctic ocean)	The type material, GCA_951542345.1 (MAG C4-4), is a metagenome-assembled genome from a sample taken at the epipelagic zone in the Arctic Ocean in 2013 (Biosample accession: SAMEA4397426). The completeness and contamination of the assembly are 93.42% and 0.41%, respectively. Genome assembly contains 14 tRNA genes. The genome size is 2.64 (raw: 2.47 Mbp) with a GC content of 0.48.	<i>Planktomarina</i>	NCBI Assembly: GCA_951542345.1 ^{Ts}	seqco.de/i:24058
Species <i>Planktomarina forsetii</i>	[for.set'i.i] N.L. gen. n. <i>forsetii</i> , of Forseti, Scandinavian god of justice and reconciliation resident on Helgoland, from where the genome was recovered.	The type material, GCA_951543265.1 (MAG C3-11), is a metagenome-assembled genome derived from a water sample (Biosample: SAMEA5407188). The assembly is of high quality with a mean completeness of 96.74% and 0.1% contamination and contains 19 tRNAs. The genome size is 3.12 Mbp (raw: 3.02 Mbp) with a GC content of 0.51.	<i>Planktomarina</i>	NCBI Assembly: GCA_951543265.1 ^{Ts}	seqco.de/i:24046