

Parasynechococcus marisnigri 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
Genus <i>Parasynechococcus</i>	[Pa.ra.sy.ne.cho.coc'cus] Gr. prep. <i>para</i> , beside; N.L. masc. n. <i>Synechococcus</i> , the bacterial genus; N.L. masc. n. <i>Parasynechococcus</i> , a genus beside/resembling <i>Synechococcus</i>	List of characteristics considered essential for membership in the taxon: Characteristic traits of <i>Parasynechococcus</i> are: 16S rRNA gene closely related to marine strains of <i>Synechococcus</i> and <i>Prochlorococcus</i> , α -Carboxysomes, absence of Fructose-1, 6-bisphosphatase and 6-phosphofructokinase and presence of DNA polymerase II.	<i>Synechococcaceae</i>	<i>Parasynechococcus marisnigri</i> ^{Ts}	seqco.de/i:31975
Species <i>Parasynechococcus marisnigri</i> ^{Ts}	[ma.ris.ni'gri] L. neut. n. <i>mare</i> , sea; L. neut. adj. <i>nigrum</i> , black; N.L. gen. n. <i>marisnigri</i> , referring to the increased abundance of this organism at the Black Sea province	The phycobilisome pigmentation of this strain belongs to class 3c. Bacteriocin gene clusters detected in this genome belong to classes I, U. Reference strain is WH8102, which has a genome of 2.43 Mbp with a GC content of 59.4 % that encodes 2752 genes that include 365 diagnostic orthologous groups. Affiliation to the species can be determined by the presence of Ammonium transporter, Ferric iron ABC transporter: ATP-binding protein, Ferric iron ABC transporter: iron-binding protein, Ferric iron ABC transporter: permease protein, GlnN, NifS, NifU, Nitrate ABC transporter, Nitrate/Nitrite transporter, UreD, UreE, UreF, UreG, UrtA, UrtB, UrtC, UrtD, UrtE, phnE, phoB, phoH, phoR, pstA, pstB, pstC, pstS	<i>Parasynechococcus</i>	NCBI Assembly: GCF_000195975.1 ^{Ts}	seqco.de/i:33333