

Species *Parasynechococcus marisnigri*^{TS}

Etymology

[ma.ris.ni'gri] L. neut. n. *mare*, sea; L. neut. adj. *nigrum*, black; N.L. gen. n. *marisnigri*, referring to the increased abundance of this organism at the Black Sea province

Nomenclatural type

[NCBI Assembly: GCF_000195975.1](#)^{TS}

Reference Strain

WH 8102

Description

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

Classification

Bacteria » *Cyanobacteriota* » *Cyanophyceae* » “*Synechococcales*” » *Synechococcaceae* » *Parasynechococcus* » *Parasynechococcus marisnigri*^{TS}

References

Effective publication: Coutinho et al., 2016 [1]

Registry URL

<https://seqco.de/i:33333>

References

1. Coutinho et al. (2016). Proposal of fifteen new species of *Parasynechococcus* based on genomic, physiological and ecological features. *Archives of Microbiology*. DOI:10.1007/s00203-016-1256-y