

Species *Parasynechococcus antarcticus*

Etymology

[ant.arc'ti.cus] L. masc. adj. *antarcticus*, referring to the increased abundance of this organism at the Antarctic province

Nomenclatural type

Strain: WH5701

Description

[Coutinho et al., 2016](#): The phycobilisome pigmentation of this strain belongs to class 1. Bacteriocin gene clusters detected in this genome belong to class I. Type strain is WH5701(T), which has a genome of 3.28 Mbp with a GC content of 65.4 % that encodes 3185 genes that include 593 diagnostic orthologous groups. Taxonomic affiliation to *Parasynechococcus antarcticus* WH5701 can be defined 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, Ferrous iron transport protein B, GlnN, NifS, NifU, Nitrate ABC transporter, PiuC, Protein PII, *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 antarcticus*”

References

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

Assigned taxonomically: Coutinho et al., 2016 [1]

Registry URL

<https://seqco.de/i:31986>

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