

Bipolaricaulis anaerobius sp. nov. and Bipolaricaulis gen. nov.

Submitted by Chuvochina, Maria

Phylum *Bipolaricaulota*

Etymology

[Bi.po.la.ri.cau.lo'ta] N.L. masc. n. *Bipolaricaulis*, type genus of the phylum; *-ota*, ending to denote a phylum; N.L. neut. pl. n. *Bipolaricaulota*, the Bipolaricaulis phylum

Nomenclatural type

Genus *Bipolaricaulis*

Description

The phylum constitutes a monophyletic lineage as described and defined in Hao *et al.* (2018). The phylum contains the class *Bipolaricaulia*.

Classification

Bacteria » *Bipolaricaulota*

References

Effective publication: Hao *et al.*, 2018 [1]

Registry URL

<https://seqco.de/i:24070>

Genus *Bipolaricaulis*

Etymology

[Bi.po.la.ri.cau'lis] L. adv. *bis*, twice; M.L. masc. / fem. adj. *polaris*, polar, pertaining to the poles of the rod-shaped cell; L. masc. n. *caulis*, a stalk; N.L. masc. n. *Bipolaricaulis*, stalks at both poles

Nomenclatural type

Species *Bipolaricaulis anaerobius*^{Ts}

Description

The description is the same as given by (Hao *et al.*, 2018).

Classification

Bacteria » *Bipolaricaulota* » *Bipolaricaulia* » *Bipolaricaulales* » *Bipolaricaulaceae* » *Bipolaricaulis*

References

Effective publication: Hao *et al.*, 2018 [1]

Registry URL

<https://seqco.de/i:31919>

Species *Bipolaricaulis anaerobius*^{Ts}

Etymology

[an.a.e.ro'bi.us] Gr. pref. *an-*, not; Gr. masc. n. *aer*, air; Gr. masc. n. *bios*, life; N.L. masc. adj. *anaerobius*, living without air (i.e., oxygen), anaerobic

Nomenclatural type

[NCBI Assembly: GCA_900465355.1](https://ncbi.nlm.nih.gov/assembly/GCA_900465355.1)^{Ts}

Description

The description is the same as given by (Hao et al., 2018).

Classification

Bacteria » *Bipolaricaulota* » *Bipolaricaulia* » *Bipolaricaulales* » *Bipolaricaulaceae* » *Bipolaricaulis* » *Bipolaricaulis anaerobius*^{TS}

References

Effective publication: Hao et al., 2018 [1]

Registry URL

<https://seqco.de/i:31918>

References

1. Hao et al. (2018). Novel prosthecate bacteria from the candidate phylum Acetothermia. *The ISME Journal*. DOI:10.1038/s41396-018-0187-9

Register List Certificate of Validation

On behalf of the *Committee on the Systematics of Prokaryotes Described from Sequence Data* (SeqCode Committee), we hereby certify that the Register List seqco.de/r:sxhrdek8 submitted by **Chuvochina, Maria** and including 3 new names has been successfully validated.

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