

# 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

Proposed: Hao *et al.*, 2018

### 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*<sup>Ts</sup>

### Description

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

### Classification

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

### References

Proposed: Hao *et al.*, 2018

### Registry URL

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

## Species *Bipolaricaulis anaerobius*<sup>Ts</sup>

### 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](#)<sup>Ts</sup>

#### Description

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

#### Classification

*Bacteria* » *Bipolaricaulota* » “*Bipolaricaulia*” » “*Bipolaricaulales*” » “*Bipolaricaulaceae*” » *Bipolaricaulis* » *Bipolaricaulis anaerobius*<sup>T5</sup>

#### References

Proposed: Hao et al., 2018

#### 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](https://doi.org/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](https://seqco.de/r:sxhrdek8) submitted by **Chuvochina, Maria** and including 3 new names has been successfully validated.

Date of Priority: 2023-09-14 05:39 UTC  
DOI: 10.57973/seqcode.r:sxhrdek8

