

Dormibacteria class nov, Dormibacterales ord. nov., Dormibacteraceae fam. nov.

Submitted by Ferrari, Belinda

Class *Dormibacteria*

Etymology

[Dor.mi.bac.te'ri.a] **N.L. masc. n.** *Dormibacter*, the type genus of the class; *-ia*, ending to denote a class; **N.L. neut. pl. n.** *Dormibacteria*, the *Dormibacter* class

Nomenclatural type

Genus *Dormibacter*

Description

Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.

Classification

Bacteria » *Dormibacterota* » *Dormibacteria*

References

Effective publication: Montgomery et al., 2021 [1]

Registry URL

<https://seqco.de/i:41820>

Order *Dormibacterales*

Etymology

[Dor.mi.bac.te.ra'les] **N.L. masc. n.** *Dormibacter*, the type genus of the order; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Dormibacterales*, the *Dormibacter* order

Nomenclatural type

Genus *Dormibacter*

Description

Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.

Classification

Bacteria » *Dormibacterota* » *Dormibacteria* » *Dormibacterales*

References

Effective publication: Montgomery et al., 2021 [1]

Registry URL

<https://seqco.de/i:41874>

Family *Dormibacteraceae*

Etymology

[Dor.mi.bac.te.ra'ce.ae] **N.L. masc. n.** *Dormibacter*, the type genus of the family; *-aceae*, ending to denote a family; **N.L. fem. pl. n.** *Dormibacteraceae*, the *Dormibacter* family

Nomenclatural type

Genus *Dormibacter*

Description

Based on phylogenomic analysis of 120 concatenated single copy proteins. MSA was generated with GTDB-Tk v1.3.0 and tree was reconstructed with RaxML v8.2.12.

Classification

Bacteria » *Dormibacterota* » *Dormibacteria* » *Dormibacterales* » *Dormibacteraceae*

References

Effective publication: Montgomery et al., 2021 [1]

Registry URL

<https://seqco.de/i:41875>

References

1. Montgomery et al. (2021). Persistence and resistance: survival mechanisms of *Candidatus* *Dormibacterota* from nutrient-poor Antarctic soils. *Environmental Microbiology*.
[DOI:10.1111/1462-2920.15610](https://doi.org/10.1111/1462-2920.15610)

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:vp1kd_k1** submitted by **Ferrari, Belinda** and including 3 new names has been successfully validated.

Date of Priority: 2025-10-31 05:54 UTC

DOI: 10.57973/seqcode.r:vp1kd_k1

