

## Phylum *Eremiobacterota*

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### Etymology

[E.re.mi.o.bac.te.ro'ta] **N.L. masc. n.** *Eremiobacter*, a rod from a desert; **N.L. suff.** *-ota*, ending to denote a phylum; **N.L. neut. pl. n.** *Eremiobacterota*, the Eremiobacter phylum

### Nomenclatural type

Genus *Eremiobacter*

### Description

Lineage previously known as WPS-2, originally described from 16S by Nogales et al (2001). Phylum defined based on phylogenomic analysis of 38 conserved marker genes.

### Classification

*Bacteria* » *Eremiobacterota*

### References

Effective publication: Ji et al., 2017 [1]  
*Corrigendum*: Ji et al., 2021 [2] (from “Eremiobacteraeota”)  
Assigned taxonomically: Ji et al., 2017 [1]

### Registry URL

<https://seqco.de/i:46793>

## References

1. Ji et al. (2017). Atmospheric trace gases support primary production in Antarctic desert surface soil. *Nature*. [DOI:10.1038/nature25014](https://doi.org/10.1038/nature25014)
2. Ji et al. (2021). *Candidatus* Eremiobacterota, a metabolically and phylogenetically diverse terrestrial phylum with acid-tolerant adaptations. *The ISME Journal*. [DOI:10.1038/s41396-021-00944-8](https://doi.org/10.1038/s41396-021-00944-8)