

Phylum *Myxococcota*

Etymology

[My.xo.coc.co'ta] **N.L. masc. n.** *Myxococcus*, type genus of the phylum; *-ota*, ending to denote a phylum; **N.L. pl. neut. n.** *Myxococcota*, the Myxococcus phylum

Nomenclatural type

Genus *Myxococcus*

Description

Waite *et al.*, 2020: The description of the phylum is based on the shared characteristics of the members of its constituent classes with validly published descriptions. The phylum represents a distinct monophyletic lineage as supported by concatenated protein and 16S rRNA gene trees. The phylum contains the classes *Myxococcia* and *Polyangia*.

Oren & Garrity, 2021: The properties of the taxon are as described by Waite *et al.*, 2020. Type genus: *Myxococcus* Thaxter 1892 (Approved Lists 1980).

Classification

Bacteria » *Myxococcota*

References

Effective publication: Waite *et al.*, 2020 [1]

Emendavit. Oren, Garrity, 2021 [2]

Registry URL

<https://seqco.de/i:1721>

References

1. Waite *et al.* (2020). Proposal to reclassify the proteobacterial classes Deltaproteobacteria and Oligoflexia, and the phylum Thermodesulfobacteria into four phyla reflecting major functional capabilities. *International Journal of Systematic and Evolutionary Microbiology*. DOI:10.1099/ijsem.0.004213
2. Oren, Garrity (2021). Valid publication of the names of forty-two phyla of prokaryotes. *International Journal of Systematic and Evolutionary Microbiology*. DOI:10.1099/ijsem.0.005056