

Phylum *Pseudomonadota*

Etymology

[Pseu.do.mo.na.do'ta] N.L. fem. n. *Pseudomonas*, type genus of the phylum; *-ota*, ending to denote a phylum; N.L. pl. neut. n. *Pseudomonadota*, the *Pseudomonas* phylum

Nomenclatural type

Genus *Pseudomonas*

Description

Garrity, Bell, and Lilburn, 2005:The phylum *Proteobacteria* was circumscribed for this volume on the basis of phylogenetic analysis of 16S rRNA gene sequences. The phylum contains Gram-negative bacteria in the classes *Alphaproteobacteria*, *Betaproteobacteria*, *Gammaproteobacteria*, *Deltaproteobacteria*, and *Epsilonproteobacteria*.

Oren and Garrity, 2021:The properties of the taxon are as described by Garrity et al., 2005. Correction of the effectively published synonym: *Proteobacteria* (sic) Garrity et al. 2005. Type genus: *Pseudomonas* Orla Jensen 1921 (Approved Lists 1980).

Classification

Bacteria » *Pseudomonadota*

References

Proposed: Garrity et al., 2005
Corrigendum: Oren, Garrity, 2021 (from “*Proteobacteria*”)
Emendavit: Oren, Garrity, 2021

Registry URL

<https://seqco.de/i:791>

References

1. Garrity et al. (2005). Phylum XIV. *Proteobacteria* phyl. nov. *Bergey's Manual® of Systematic Bacteriology*. DOI:10.1007/0-387-28022-7
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