

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 et al., 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, 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

Effective publication: Oren, Garrity, 2021 [1]
Original (not valid) publication: Garrity et al., 2005 [2]
Corrigendum: Oren, Garrity, 2021 [1] (from “*Proteobacteria*”)

Registry URL

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

References

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