

Genus *Anoxypelagibacter*

Etymology

[An.o.xy.pe.la.gi.bac'ter] **Gr. pref.** *an-*, without; **Gr. masc. adj.** *oxys*, acid or sour and in combined words indicating oxygen; **L. neut. n.** *pelagus*, the open sea; **N.L. masc. n.** *bacter*, a rod; **N.L. masc. n.** *Anoxypelagibacter*, a rod from oxygen-depleted areas in the ocean

Nomenclatural type

Species *Anoxypelagibacter denitrificans*^{Ts}

Description

We propose to name SAR11 subclade IIa.A members as *Anoxypelagibacter*, due to their abundance in ocean oxygen minimum zones where oxygen is below detection levels. The type species is *Anoxypelagibacter denitrificans*.

Classification

Bacteria » *Pseudomonadota* » *Alphaproteobacteria* » *Pelagibacterales* » *Pelagibacteraceae* » *Anoxypelagibacter*

References

Effective publication: Ruiz-Perez et al., 2021 [1]
Corrigendum: Oren, 2022 [2] (from “Anoxipelagibacter”)

Registry URL

<https://seqco.de/i:51492>

References

1. Ruiz-Perez et al. (2021). Description of Candidatus Mesopelagibacter carboxydoxydans and Candidatus Anoxipelagibacter denitrificans: Nitrate-reducing SAR11 genera that dominate mesopelagic and anoxic marine zones. *Systematic and Applied Microbiology*. DOI:10.1016/j.syapm.2021.126185
2. Oren (2022). Candidatus List No. 4: Lists of names of prokaryotic Candidatus taxa. *International Journal of Systematic and Evolutionary Microbiology*. DOI:10.1099/ijsem.0.005545