

Order *Duberdicusellales*

Etymology

[Du.ber.di.cu.sel.la'les] **N.L. fem. dim. n.** *Duberdicusella*, referring to the type genus *Duberdicusella*; *-ales*, ending to denote an order; **N.L. fem. pl. n.** *Duberdicusellales*, the *Duberdicusella* order

Nomenclatural type

Genus *Duberdicusella*

Description

This order belongs to the class *Velamnicoccia*, phylum *Omnitrophota*. Genes encoding tight-adherence complexes, very large ORFs and those associated with energy metabolism are variably present. Assemblies belonging to this order originate predominantly from saline sediments, although several assemblies are derived from metagenomic samples from soil and geothermal springs. Although limited information associated with environmental conditions at time of sampling is available, the temperature range where reported is 28-41 °C, and a pH range from 5.9 to 10.1. The type for this order is the genus *Duberdicusella*.

Classification

Bacteria » *Omnitrophota* » “*Velamnicoccia*” » *Duberdicusellales*

References

Effective publication: Seymour et al., 2023 [1]

Registry URL

<https://seqco.de/i:23745>

References

1. Seymour et al. (2023). Hyperactive nanobacteria with host-dependent traits pervade Omnitrophota. *Nature Microbiology*. [DOI:10.1038/s41564-022-01319-1](https://doi.org/10.1038/s41564-022-01319-1)