

Genus *Macondimonas*

Etymology

[Ma.con.di.mo'nas] **L. fem. n.** *monas*, a unit, a monad; **N.L. fem. n.** *Macondimonas*, a monad from Macondo, Macondo Prospect, the site of DWH oil spill. Additionally, Macondo is a fictional town in *A Hundred Years of Solitude* by G. García Márquez. In the book, the town of Macondo has a rapid population growth, a period of economic prosperity, and then a rapid population fall, which is reminiscent of the ecologic pattern observed for this group upon crude-oil exposure

Nomenclatural type

Species *Macondimonas diazotrophica*^{Ts}

Description

Members of this genus exhibit a coccobacilli morphology and a heterotrophic aerobic metabolism. No phototrophic, nor chemoautotrophic growth, or their corresponding genes in the genome were observed. The type species is *Macondimonas diazotrophica*.

Classification

Bacteria » *Pseudomonadota* » *Gammaproteobacteria* » *Chromatiales* » *Ectothiorhodospiraceae* » *Macondimonas*

References

Effective publication: Karthikeyan et al., 2019 [1]

Registry URL

<https://seqco.de/i:514>

References

1. Karthikeyan et al. (2019). "Candidatus *Macondimonas diazotrophica*", a novel gammaproteobacterial genus dominating crude-oil-contaminated coastal sediments. *The ISME Journal*. DOI:10.1038/s41396-019-0400-5