Species *Xiheicaenimonas phototrophica*[Ts]

Etymology
[pho.to'tro.phi.ca] **Gr. n.** *phos*, photos light; **Gr. adj.** *trophikos*, nursing, tending or feeding; **N.L. fem. adj.** *phototrophica*, referring to the likely ability to use light for energy generation

Nomenclatural type
NCBI Assembly: GCA_016793725.1 [Ts]

Description
The nomenclatural type for the species is the genomic assembly LLY-WYZ-6_1 (GCA_016793725.1). Genome is predicted to 9.75 Mb in 939 scaffolds. The GC content is 69.60%. Genome has complete bacteriochlorophyll synthesis pathways, and encodes reaction center proteins and other key enzymes, suggesting potential phototrophic lifestyle. Genome for this species originated from activated sludge.

Classification
Bacteria » *Myxococcota* » *Myxococcia* » *Myxococcales* » *Myxococcaceae* » *Xiheicaenimonas* » *Xiheicaenimonas phototrophica*[Ts]

References
Effective publication: Li et al., 2023 [1]

Registry URL
https://seqco.de/i:32844

References

1. Li et al. (2023). Globally distributed Myxococcota with photosynthesis gene clusters illuminate the origin and evolution of a potentially chimeric lifestyle. *Nature Communications*. DOI:10.1038/s41467-023-42193-7