Species *Xiheilimnobacterium phototrophicum*[Ts]

Etymology
[pho.to'tro.phi.cum] **N.L. neut. adj.** *phototrophicum*, referring to the likely ability to use light for energy generation

Nomenclatural type
NCBI Assembly: GCA_903911905.1 [Ts]

Description
The nomenclatural type for the species is the genomic assembly LLY-WYZ-2_2 (GCA_903911905.1). Genome is predicted to 7.57 Mb in 907 scaffolds. The GC content is 69.08%. Genome has complete bacteriochlorophyll synthesis pathways, and encodes reaction center proteins and other key enzymes, suggesting potential phototrophic lifestyle. Genomic assemblies for this species originated from freshwater lake.

Classification
Bacteria » *Myxococcota* » *Myxococcia* » *Myxococcales* » *Myxococcaceae* » *Xiheilimnobacterium* » *Xiheilimnobacterium phototrophicum*[Ts]

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

Registry URL
https://seqco.de/i:32847

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