Species *Houyiibacterium oceanicum*[Ts]

Etymology
[o.ce.a'ni.cum] **N.L. fem. adj.** *oceanicum*, of or pertaining to the ocean

Nomenclatural type
NCBI Assembly: GCA_031800675.1 [Ts]

Description
The nomenclatural type for the species is the genomic assembly LLY-WYZ-15_3 (GCA_031800675.1). Genome is predicted to 9.41 Mb in 214 scaffolds. The GC content is 73.94%. Genome has complete bacteriochlorophyll synthesis pathways, and encodes reaction center proteins and other key enzymes, suggesting potential phototrophic lifestyle. Genome also has PR, suggesting the potential capacity using both proton-pumping and bacteriochlorophyll-based photosystems. Genomic assemblies for this species originated from seawater.

Classification
Bacteria » *Myxococcota* » *Polyangiia* » *Polyangiales* » *Houyiibacteriaceae* » *Houyiibacterium* » *Houyiibacterium oceanicum*[Ts]

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

Registry URL
https://seqco.de/i:31318

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