

## Species *Xiheibacterium aquaticum*

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### Etymology

[a.kwa'ti.cum] **L. neut. adj.** *aquaticum*, living, growing, or found in the water

### Nomenclatural type

[NCBI Assembly: GCA\\_001464385.1](#) <sup>Ts</sup>

### Description

The nomenclatural type for the species is the genomic assembly LLY-WYZ-11\_1 (GCA\_001464385.1). Genome is predicted to 10.24 Mb in 400 scaffolds. The GC content is 72.20%. 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 drinking water treatment.

### Classification

*Bacteria* » *Myxococcota* » *Polyangiia* » *Nannocystales* » *Nannocystaceae* » *Xiheibacterium* » *Xiheibacterium aquaticum*

### References

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

### Registry URL

<https://seqco.de/i:32848>

## 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](https://doi.org/10.1038/s41467-023-42193-7)