

Supplementary material

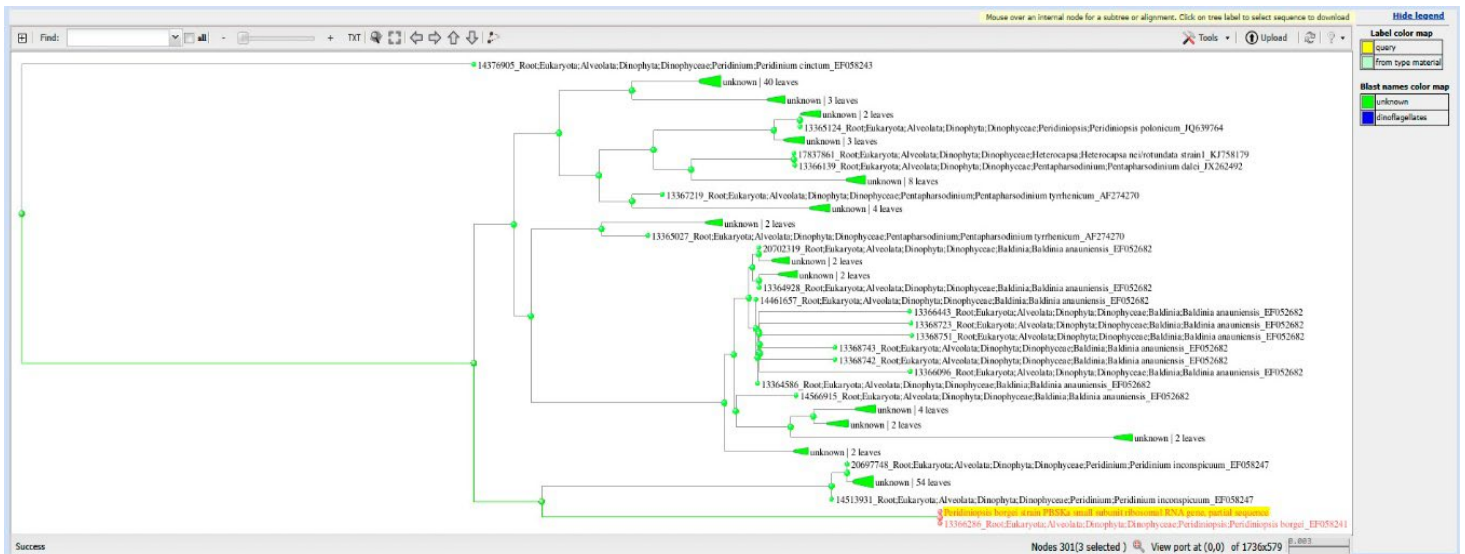


Figure S1. Distance tree based on 18S rRNA gene metabarcoding showing the relationship between dinoflagellate sequences retrieved from metagenomic datasets of Lake La Preciosa (2012–2014) and reference sequences. A sequence identical to *Peridiniopsis borgei* was detected in previous datasets (highlighted), supporting the presence of this species in the lake. This analysis is independent of the morphologically identified population described in the present study.

References

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Logares, R., Shalchian-Tabrizi, K., Boltovskoy, A., & Rengefors, K. (2007). Extensive dinoflagellate phylogenies indicate infrequent marine–freshwater transitions. *Molecular Phylogenetics and Evolution*, 45(3), 887-903. <https://doi.org/10.1016/j.ympev.2007.08.005>
PMID: 17928239; ncbi taxon: 425807.