



Figure S1 Maximum likelihood (RAxML) phylogenetic tree of ribosomal protein S3 (rpS3) sequences with archaea as the outgroup. Collapsed nodes are represented with colored triangles and the number of reference and sample sequences in the collapsed node indicated in parentheses. Sample sequences are bolded and rpS3 sequences forming a clade with *Oscillatoria nigro-viridis* PCC7112, *Microcoleus vaginatus* FGP-2, and *Oscillatoria* sp. PCC506 are colored blue. Nodes with bootstrap values >50% are indicated on the tree.