



Figure S5. Phylogeny of lichen-forming algae *Trebouxia* species based on the Randomized Axelerated Maximum Likelihood (RAXML) analysis of a concatenated three-locus dataset including internal transcribed spacer region (ITS), the large nuclear subunit ribosomal RNA gene (nuSSU), and chloroplast ribulose-bisphosphate carboxylase-RuBisCO (rbcL) sequences. The number in each node represents bootstrap support (BS) and posterior probability (PP). BS values of ≥ 70 and PP values of ≥ 0.95 were plotted on the branches. Scale in 0.01 substitution per site.