

**Figure S2.** The prediction of leader sequence and localization by computational method. The signal peptide and transit peptide in chloroplast GCSL in *N. salina* were predicted by SignalP 4.1 **(A)** and ChloroP1.1 **(B)**, respectively. Localization of the chimeric CrCAO protein linked to the signal and transit peptide of *N. salina* was predicted to be localized in the chloroplast by HECTAR v1.3 **(C)**.