

Figure S1 Growth curve of *Synechocystis* during 168 h in NaNO_3 medium or NH_4Cl medium under phototrophic conditions

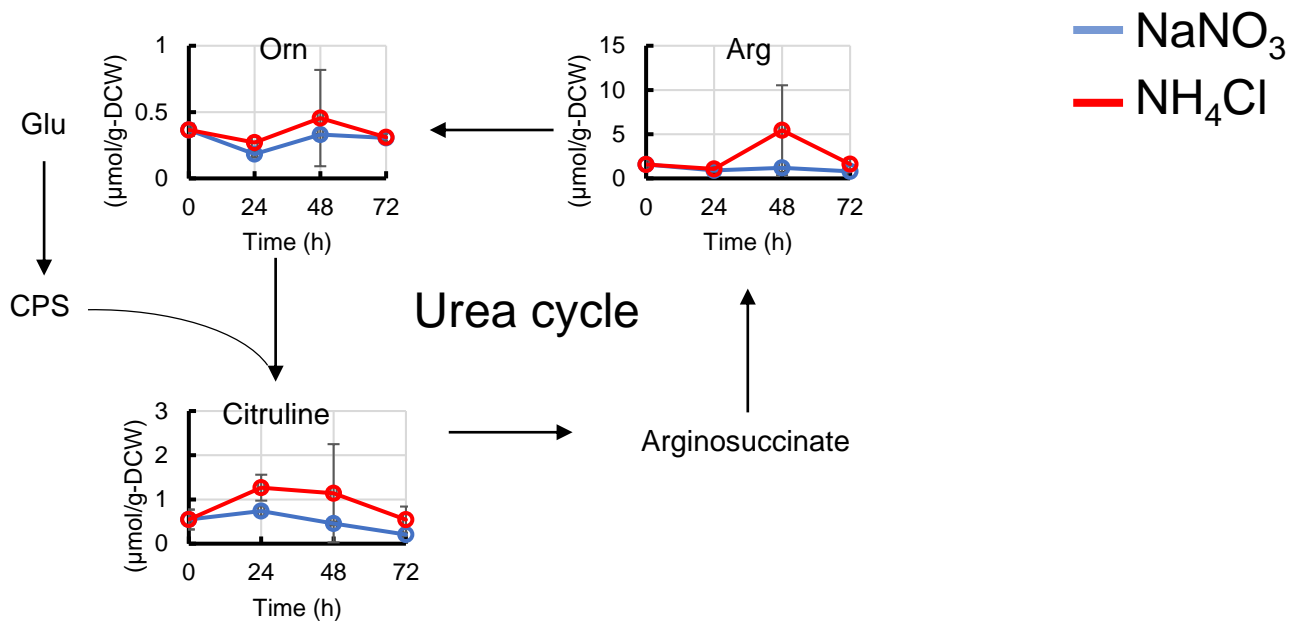


Figure S2 Comparison of metabolic profiles in the Urea cycle. The pool sizes of some metabolites of the Urea cycle were examined. Blue lines, cultivation with NaNO_3 ; Red lines, cultivation with NH_4Cl ; Arg, Arginine; CPS, Carbamoyl phosphate; Glu, Glutamate; Orn, Ornithine

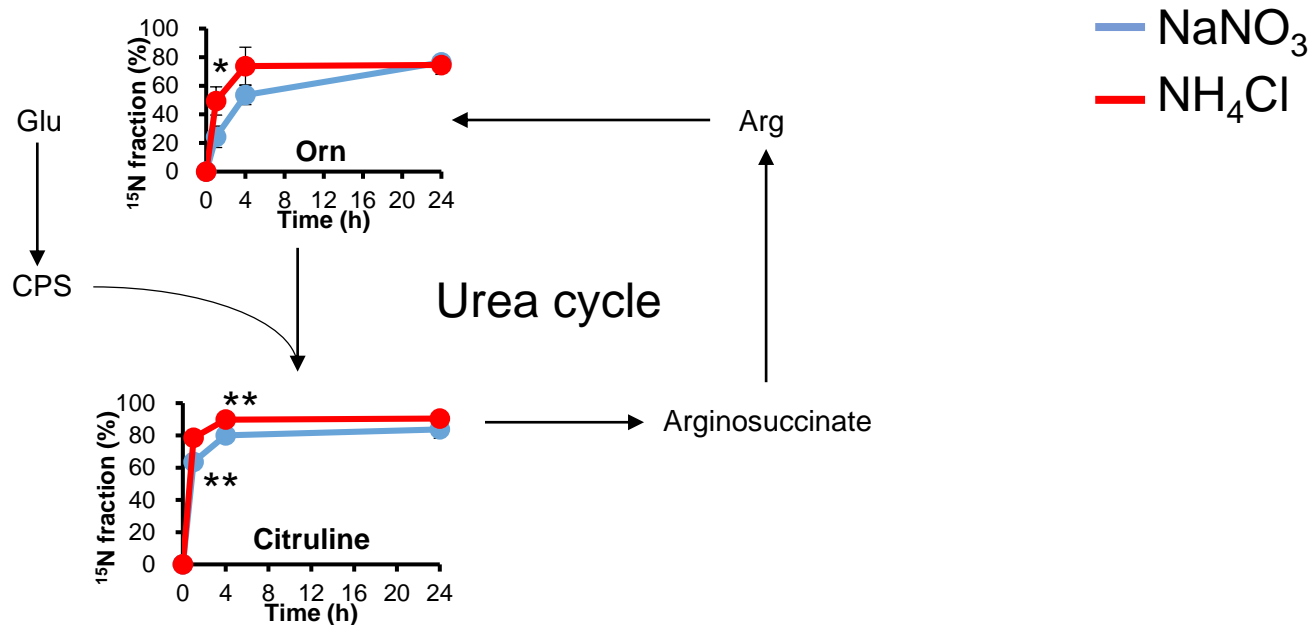


Figure S3 ¹⁵N labelling rates of metabolites of the Urea cycle, ¹⁵N labelling rates of the Urea cycle was compared at each time point. Blue lines, cultivation with NaNO₃; Red lines, cultivation with NH₄Cl.; Arg, Arginine; CPS, Carbamoyl phosphate; Glu, Glutamate; Orn, Ornithine.