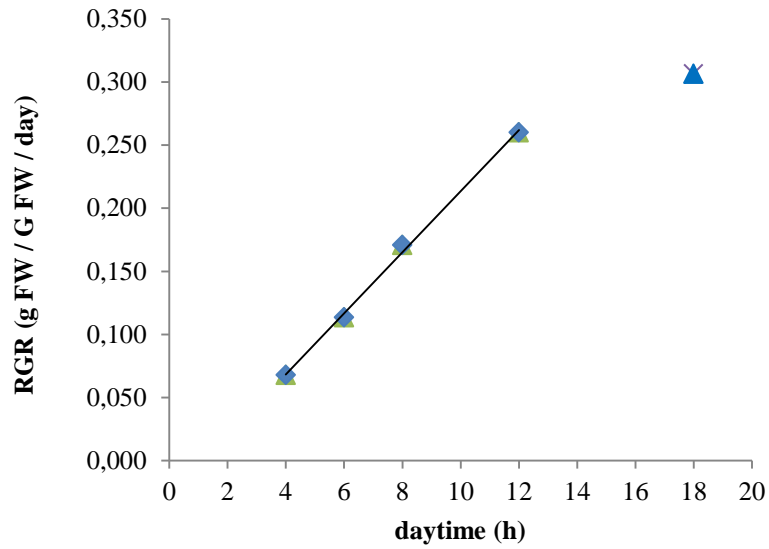
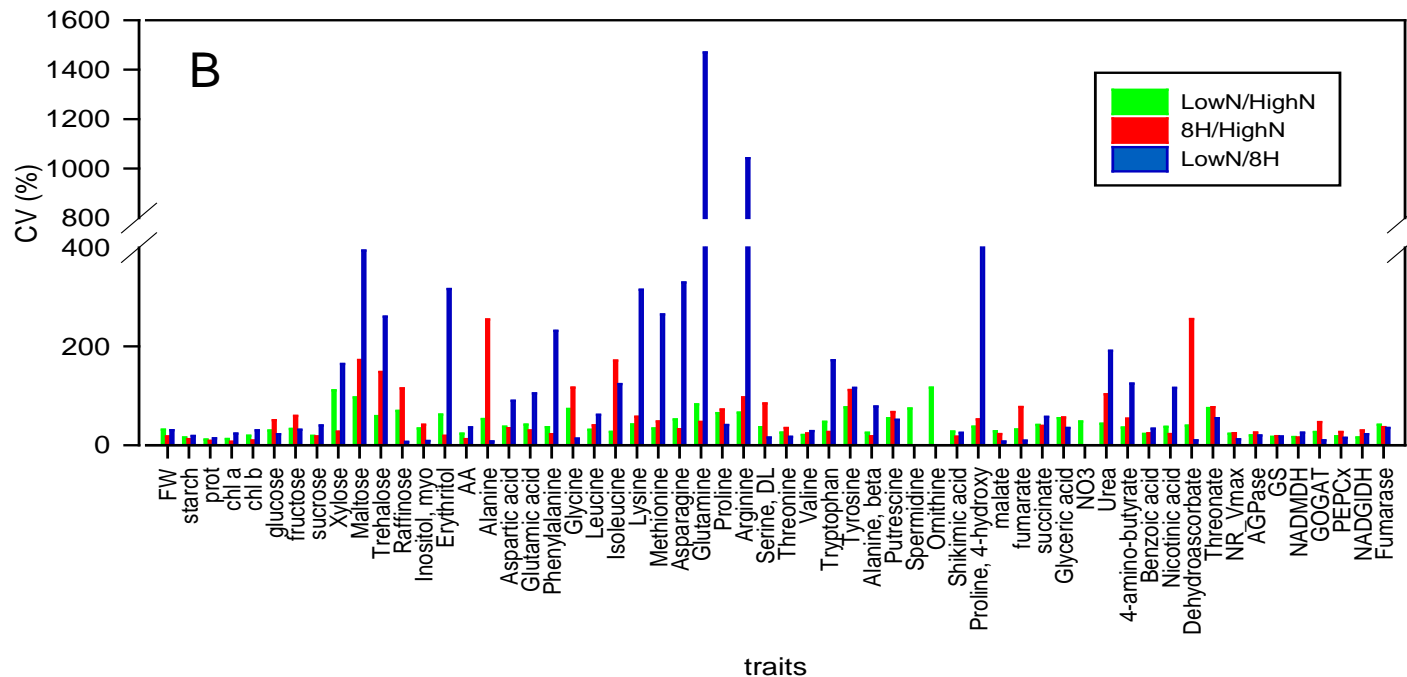
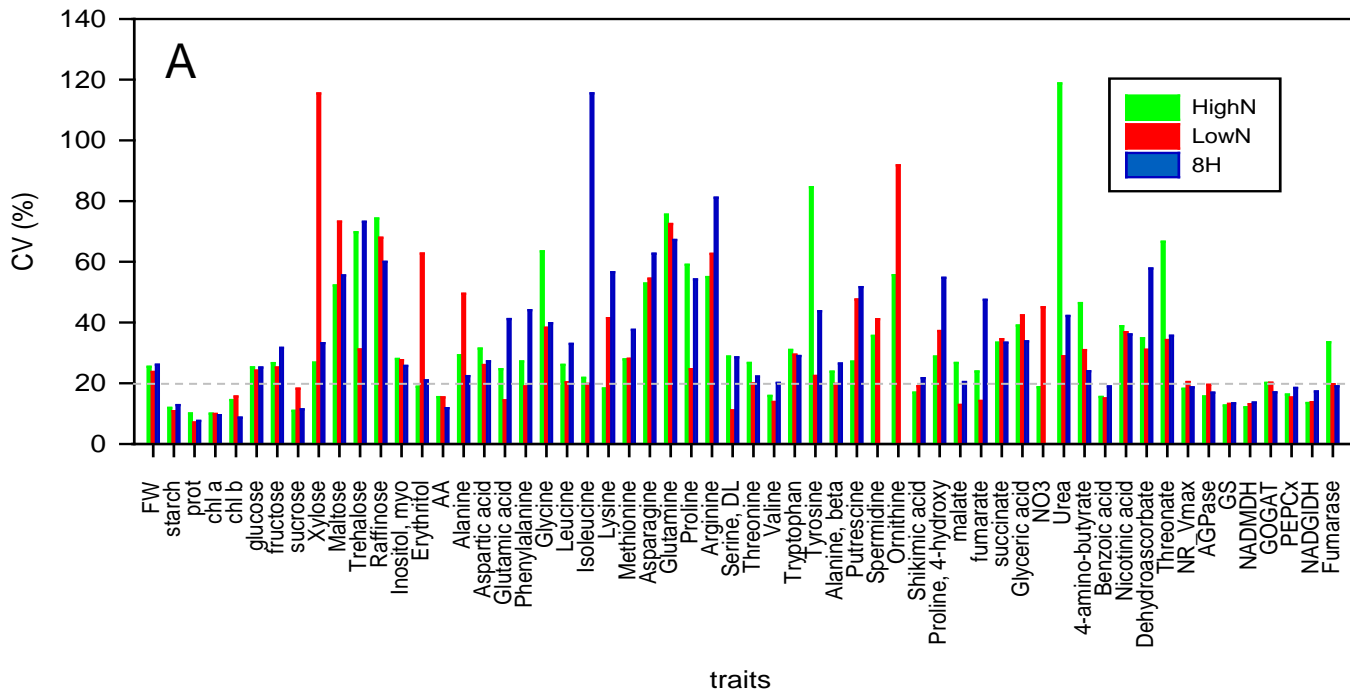


Supplemental Figure S1. Relation between photoperiod and biomass in Col0 wildtype. The plants were germinated and seedling set was as described in the Materials and Methods until 19 days, and 20°C day and night. Light intensities were checked in each growth cabinet. Plants were harvested at 29 days to determine above-ground fresh weight. The results are the mean \pm SD (n = 5 replicates, each of 5 plants).

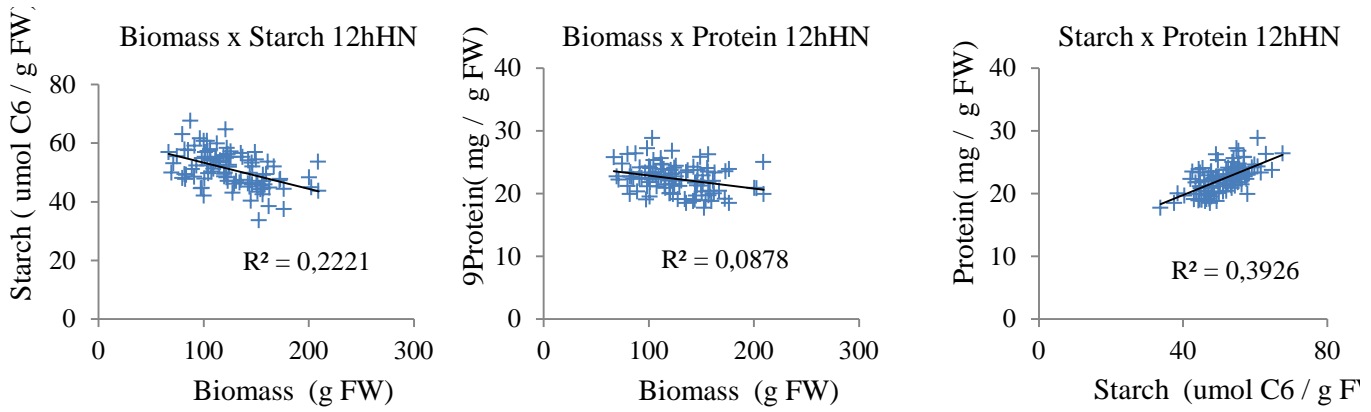


Supplemental Figure S2. Coefficient of variations (CV) for the metabolic traits analysed between the accessions grown in a given growth condition (A) or averaged CV of all the accessions for the variation in metabolite amounts between 2 growth conditions (B). Full data set for each growth condition are given in Supplemental Table S1

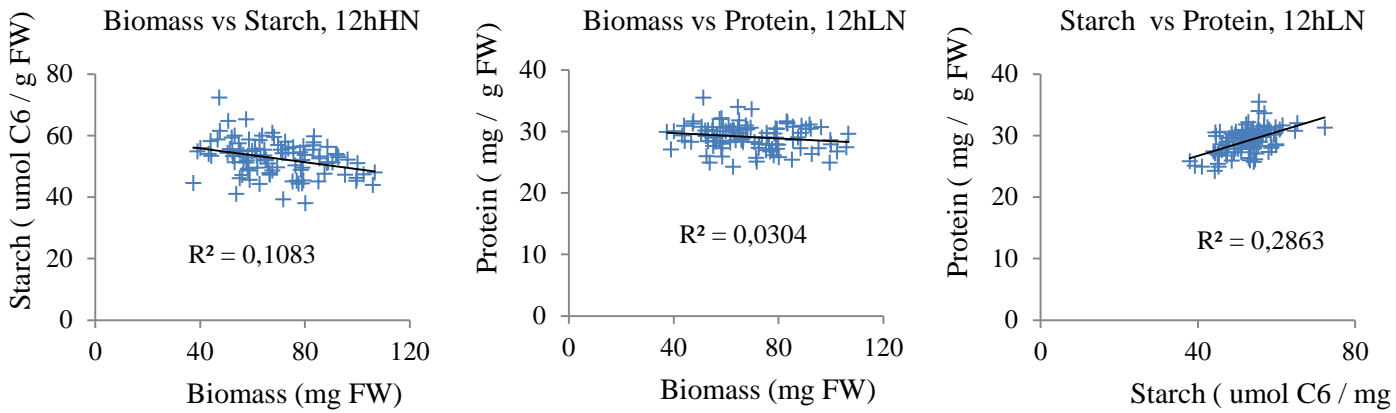


Supplemental Figure S3. Relationship between biomass and selected metabolic traits in different growth conditions

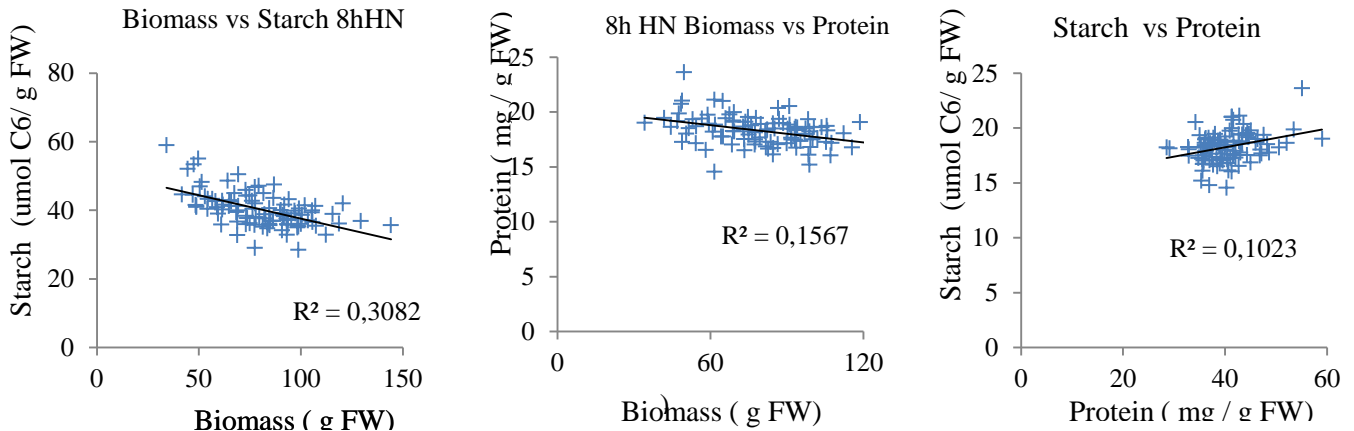
High C, high N



Low N

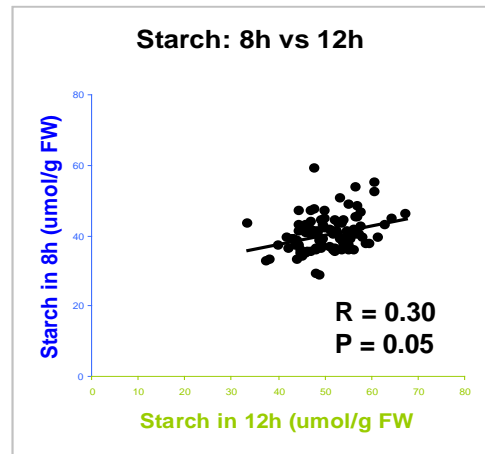
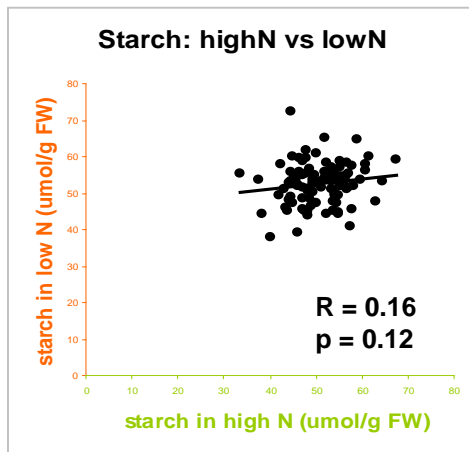


Low C



Supplemental Figure S4. Relationship between selected metabolic traits in different growth conditions

A, Starch



B, Protein

