

Figure S3: (a) Nitrate content. (n = 40). (b) Starch content at the beginning and end of day (n = 5 per group). In red the wildtype and in blue the hpr1-1 mutant. Dashed boxplots represent ambient  $CO_2$  concentrations. Dotted boxplots represent elevated  $CO_2$  concentrations. Light phase indicated by yellow bar and dark phase indicated by black bar. Boxplots are dodged by 0.25 h in order to prevent overlapping.