

Fig. S1. Leaf metabolism and characterization. (A) Starch production rate and sucrose pool size (SEM, $n \ge 3$). Four-week-old plants were grown at 200 μ mol·m⁻²·s⁻¹. Subsequent labeling experiments were performed near midday when plants exhibited pseudosteady state metabolism. (B) Leaf biomass and photosynthetic characterization acclimated to different light levels (SEM, $n \ge 3$) for LL and HL-ACC conditions. High light resulted in an altered ratio of Chla/b consistent with other reports (1). (C) Chloroplast ultrastructure imaged in TEM (Scale bars: 2 μ m.)

^{1.} Athanasiou K, Dyson BC, Webster RE, Johnson GN (2010) Dynamic acclimation of photosynthesis increases plant fitness in changing environments. Plant Physiol 152(1):366–373.