Supplementary Figures

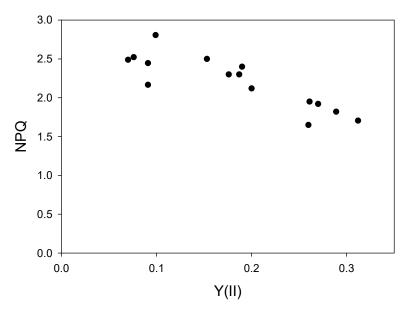


Figure S1. The relationship between the non-photochemical quenching of chlorophyll fluorescence (NPQ) and the apparent quantum yield of PSII (Y[II]) in wheat leaves. Both NPQ and Y(II) were measured simultaneously. Data points represent the averages of five plants. A reduction in pCO₂ lowered Y(II). Steady states for measurements at various pCO₂ were confirmed by the achievement of stable Y(II).

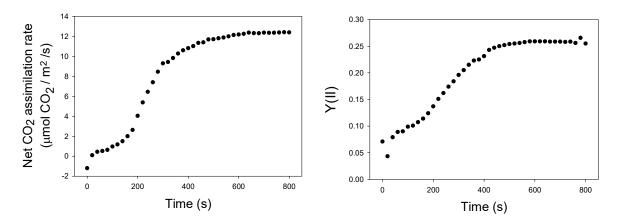


Figure S2. The responses of the net CO_2 assimilation rate and Y(II) to illumination by actinic light in wheat leaves. The net CO_2 assimilation rate (left panel) and Y(II) (right panel) were measured simultaneously at 25 °C leaf temperature, 40 Pa pCO₂, 21 kPa pO₂, and 1000 mol photons⁻¹ m⁻² s⁻¹ light intensity. The actinic light was turned on at 0 s.