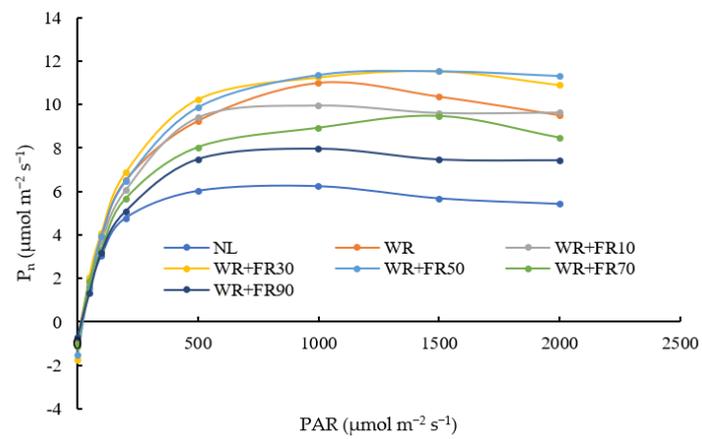


### Supplementary Material



**Supplementary Figure S1.** Photosynthetic response curves of lettuce leaves under different treatments, including white plus red LEDs with FR photon flux density at 0, 10, 30, 50, 70, and 90  $\mu\text{mol m}^{-2} \text{s}^{-1}$  (WR, WR + FR10, WR + FR30, WR + FR50, WR + FR70, and WR + FR90, respectively), and lettuce grown with natural light only was marked as NL.