



Figure 4. Photosynthesis and growth-related traits of Koshihikari and Takanari rice cultivars under control and chronic O₃ conditions in 2020. (A) CO₂ assimilation rate per unit leaf area (A) was measured in fully expanded leaves of Koshihikari (red) and Takanari (blue) at 66–67 and 89–90 days after the beginning of treatment (DAT) in 2020. In addition, we estimated (C) the CO₂ assimilation rate at single-leaf level (A_{leaf}) by multiplying (B) a single leaf area and A . At 89–90 DAT, (D) plant height, (E) tiller number, (F) total dry weight, (G) whole leaf-blade area and (H) weight, and (I) the ratio of the weights of whole leaf blades to leaf sheaths were measured. The results are shown as relative values (%) obtained under chronic O₃ conditions to those obtained under control conditions. ** indicates significant differences of each trait under control and chronic O₃ conditions in Koshihikari and Takanari at $p < 0.05$ and 0.01 , respectively ($n = 4-5$). The dashed line represents the line where the value for each trait is 100%.