



Figure 6. Vegetation index and photosynthetic parameters of Scarlett and NIL-143 in field conditions. Effect of drought stress on (a) effective quantum yield of photosystem II (Y(II)) (b) soil plant analysis development (SPAD) chlorophyll meter value. Scarlett and NIL-143 were grown in 40 cm rows inside a rainout shelter. One plot was regularly irrigated, while drought stress was applied to another plot for 21 d at the heading stage (BBCH 41). Vegetation indexes and photosynthetic traits were scored at 7, 14, and 21 d after stress. The red dot indicates the mean of the distribution. Asterisks indicate significant differences between genotypes (* $P \leq 0.05$, ** $P \leq 0.01$, *** $P \leq 0.001$) using student's t -test ($n = 19$ to 45).