



Figure 3. Physiological responses of Scarlett and NIL-143 to drought stress at the seedling stage grown inside an automated climate chamber. The experiment was performed inside a controlled climate chamber. Effect of drought on (a) Electrolyte leakage, (b) Relative water content, and (c) Malondialdehyde (MDA) concentration. Drought treatment was applied to two-week-old seedlings by terminating the water supply. Sampling was done at 4, 6 and 8 d after drought stress to analyze the biochemical and physiological response of plants to drought stress. Bar indicates mean  $\pm$  SE ( $n = 5$ ). Asterisks indicate significant differences between genotypes (\* $P \leq 0.05$ , \*\* $P \leq 0.01$ ) using student's  $t$ -test. FW, fresh weight