



Figure 7. Yield and related traits of Scarlett and NIL-143 under field conditions. Effect of drought stress on (a) tiller number, (b) ear number per plant, (c) grain number per ear, (d) 1000-kernel weight, (e) grain weight per plant, (f) straw weight per plant, and (g) harvest index. 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 before the heading stage (BBCH 41). Matured panicles and straw were harvested and oven-dried at 35°C for 72 h. The experiment was performed at Campus Kleinaltdorf, Rheinbach, Germany. The graph represents the mean + SE (n = 10). Asterisks indicate significant differences between genotypes (* $P \leq 0.05$, ** $P \leq 0.01$, *** $P \leq 0.001$) using a student's *t*-test.