



Figure 5. *sit11* mutant reduces the concentration of Mg²⁺ and Na⁺ in root and leaf tissues. One-week-old rice seedlings of the *sit11* mutant and wild-type (WT) were treated with 0 or 50 mM NaCl solution for 1 week. Oven-dried root and leaf samples of the *sit11* mutant and WT were used to determine the concentrations of inorganic ions via ICP-OES ($n=3$ replicates). (a) Potassium. (b) Magnesium. (c) Sodium. (d) Calcium. (e) Phosphorus. Xylem sap was collected from 1-week-old rice seedlings of the *sit11* mutant and WT after 0 or 50 mM NaCl treatments. Collected sap was used to determine the concentrations of inorganic ions via ICP-OES ($n=6$ replicates). Quantification of (f) Magnesium, (g) Sodium, and (h) Potassium concentrations in xylem sap. Value represent means \pm SD, ns = non-significant, * $p < 0.05$ and *** $p < 0.001$, two-way ANOVA with Sidak's multiple comparison test.