



Fig. 4 Phenotype and survival rate of Arabidopsis lines under freezing stress. (A) Phenotypes of Arabidopsis lines under freezing stress. (B) Root phenotype of Arabidopsis seedlings. (C) Survival rate of Arabidopsis lines under freezing stress. The values are mean \pm SD ($n = 3$), P values (versus WT) were calculated with one-way ANOVA, * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, **** $P < 0.0001$. (D) Electronic conductivity of leaves in Arabidopsis lines under freezing stress. (E) MDA content of Arabidopsis lines under freezing stress. The values are mean \pm SD ($n = 3$), P values (versus 24°C) were calculated with two-way ANOVA, * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, **** $P < 0.0001$.