Statistical Test	Factor/Comparison	F-value / Odds Ratio	p-value	Mean Difference (Diff)	95% Confidence Interval (CI)	Adjusted p-value (p_{adj})
Two-way ANOVA	Treatment effect (Salt Stress vs. Control)	28.223	<0.0001	-	-	-
Two-way ANOVA	Root type (Taproot vs. Lateral Root)	25.156	<0.0001	-	-	-
Two-way ANOVA	Treatment × Root Type	2.734	0.0988	-	-	-
Fisher's exact test	Zero Value Proportion (Salt Stress vs. Control, Lateral Roots)	5.26	5.24×10^{-6}	-	-	-
Tukey HSD	Salt Stress: Lateral Root vs. Control: Lateral Root	-	-	-12.669	[-17.353, -7.984]	<0.0001***
Tukey HSD	Control: Taproot vs. Control: Lateral Root	-	-	-11.838	[-16.474, -7.201]	<0.0001***
Tukey HSD	Salt Stress: Taproot vs. Control: Lateral Root	-	-	-23.944	[-32.634, -15.252]	<0.0001***
Tukey HSD	Control: Taproot vs. Salt Stress: Lateral Root	-	-	1.394	[-7.296, 10.085]	0.9762
Tukey HSD	Salt Stress: Taproot vs. Salt Stress: Lateral Root	-	-	-7.332	[-16.622, 1.959]	0.1769
Tukey HSD	Salt Stress: Taproot vs. Control: Taproot	-	-	-8.726	[-17.416, -0.035]	0.0486*

Table S1. Summary of Statistical Analyses on Root Growth Under Salt Stress and Control Conditions in *Populus euphratica*.