

Table S1: P-values of Turkey's HSD test to compare plant traits among GL-3 and transgenic plants exposed to control and long-term drought stress conditions.

	Plant height	Root hydraulic conductivity	Shoot hydraulic conductivity	Leaf area	Thickness of leaf	Water holding capacity	$\delta^{13}\text{C}$ ‰
Treatment	<0.001	<0.001	<0.001	0.023	<0.001	0.001	<0.001
Transgenic plants	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Treatment \times Transgenic plants	0.045	0.009	0.020	0.024	0.041	0.048	0.027
	Internode length of shoots	Dry weight of shoots	Net photosynthesis rate	Transpiration rate	Stomatal conductance	Dry weight of roots	ABA content
Treatment	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Transgenic plants	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Treatment \times Transgenic plants	0.026	<0.001	0.045	0.047	0.044	0.044	0.041