

Table 1 Suppl. The primers used for gene expression analyses.

Sequence	Forward primers (5'-3')	Reverse primers (5'-3')
Cu/Zn SOD	ATCAACCGGACCACATTTC	TGAGAGGGATCTGATTGTCAG
Drought upregulated genes	CAAGGTTGCCACACATG	GCTTCTCCTAGCACATGCC
GAPDH	GGTCTCCACCGACTTCATTG	ACGACACGGGTACTGTAGCC

Table 2 Suppl. Effects of freezing and rewarming on shoot length, leaf number, shoot fresh and dry masses, and RWC (%) of chickpea cultivars. Means $\pm$ SEs, $n = 10$ (for plant length and leaf number), 3 for fresh and dry masses, and 6 (for RWC). Different letters indicate significant difference at $P < 0.05$. Treatments: C₀, C₁, C₂: 15-, 22-, and 29-d-old control plants, respectively; CA: 22-d-old cold-acclimated plants (15 d at control conditions, then 7 d at 10 ± 1 °C); S₁: 22-d-old plants that were cold acclimated and then subjected to -3 °C for 2 h; S₂: 22-d-old plants that were cold acclimated and then subjected to -5 °C for 2 h; R₁: 29-d-old plants that were cold acclimated, then subjected to -3 °C for 2 h, and then returned to the control conditions for 7 d; R₂: 29-d-old plants that were cold acclimated, then subjected to -5 °C for 2 h, and then returned to the control conditions for 7 d. * Leaf numbers were transformed into square roots to obtain the continuous scale and provide the normality assumption (Sokal and Rohlf 1997).

Cultivars	Treatments	Length of shoot [mm plant ⁻¹]	Number of leaves [$\sqrt{\text{plant}^{-1}}$]*	Fresh mass [g plant ⁻¹]	Dry mass [g plant ⁻¹]	RWC [%]
İnci	C ₀	153 $\pm$ 2 a	2.3 $\pm$ 0.03 a	0.7 $\pm$ 0.06 a	0.12 $\pm$ 0.014 a	74 $\pm$ 0.6 a
	C ₁	192 $\pm$ 2 bg	3.0 $\pm$ 0.04 b	1.5 $\pm$ 0.03 bd	0.27 $\pm$ 0.014 be	74 $\pm$ 0.1 a
	CA	184 $\pm$ 3 bcj	2.8 $\pm$ 0.03 c	1.3 $\pm$ 0.06 bc	0.27 $\pm$ 0.021 be	73 $\pm$ 0.8 ad
	S ₁	183 $\pm$ 1 cj	2.8 $\pm$ 0.03 c	1.2 $\pm$ 0.04 cg	0.28 $\pm$ 0.020 bd	56 $\pm$ 2.4 b
	S ₂	183 $\pm$ 3 cj	2.7 $\pm$ 0.06 d	1.1 $\pm$ 0.08 ce	0.24 $\pm$ 0.018 b	54 $\pm$ 1.3 b
	C ₂	203 $\pm$ 4 d	3.5 $\pm$ 0.02 e	1.7 $\pm$ 0.14 dh	0.37 $\pm$ 0.030 cfg	73 $\pm$ 0.4 ad
	R ₁	194 $\pm$ 2 be	3.4 $\pm$ 0.02 f	1.3 $\pm$ 0.09 bc	0.33 $\pm$ 0.008 cdh	68 $\pm$ 1.0 c
	R ₂	189 $\pm$ 3 bc	3.1 $\pm$ 0.02 g	1.3 $\pm$ 0.09 bc	0.31 $\pm$ 0.008 deh	68 $\pm$ 1.1 c
Işık-05	C ₀	149 $\pm$ 2 a	2.3 $\pm$ 0.03 a	0.9 $\pm$ 0.01 ae	0.13 $\pm$ 0.003 a	72 $\pm$ 0.6 ad
	C ₁	201 $\pm$ 3 de	2.9 $\pm$ 0.03 h	1.7 $\pm$ 0.08 dh	0.30 $\pm$ 0.015 deh	72 $\pm$ 0.1 ad
	CA	193 $\pm$ 2 be	2.6 $\pm$ 0.05 i	1.5 $\pm$ 0.12 bd	0.29 $\pm$ 0.022 bd	71 $\pm$ 0.8 d
	S ₁	193 $\pm$ 2 be	2.6 $\pm$ 0.05 i	1.5 $\pm$ 0.02 bd	0.30 $\pm$ 0.007 deh	59 $\pm$ 0.8 e
	S ₂	193 $\pm$ 2 be	2.6 $\pm$ 0.03 i	1.5 $\pm$ 0.12 bd	0.29 $\pm$ 0.020 bd	55 $\pm$ 0.6 b
	C ₂	216 $\pm$ 2 f	3.6 $\pm$ 0.02 j	2.0 $\pm$ 0.04 f	0.39 $\pm$ 0.027 cg	71 $\pm$ 0.5 d
	R ₁	205 $\pm$ 4 d	3.2 $\pm$ 0.02 k	1.6 $\pm$ 0.11 di	0.34 $\pm$ 0.027 cdh	65 $\pm$ 0.8 f
	R ₂	200 $\pm$ 5 deg	3.1 $\pm$ 0.03 g	1.6 $\pm$ 0.12 di	0.32 $\pm$ 0.015 defh	66 $\pm$ 1.3 cf
Sarı-98	C ₀	117 $\pm$ 3 h	2.0 $\pm$ 0.04 l	0.8 $\pm$ 0.05 a	0.12 $\pm$ 0.003 a	74 $\pm$ 0.1 a
	C ₁	183 $\pm$ 3 cj	2.8 $\pm$ 0.06 c	1.7 $\pm$ 0.06 dh	0.29 $\pm$ 0.010 bd	73 $\pm$ 0.5 ad
	CA	167 $\pm$ 1 i	2.4 $\pm$ 0.02 m	1.4 $\pm$ 0.04 bgi	0.28 $\pm$ 0.025 bd	72 $\pm$ 0.8 ad
	S ₁	167 $\pm$ 2 i	2.4 $\pm$ 0.05 m	1.4 $\pm$ 0.02 bgi	0.27 $\pm$ 0.008 be	54 $\pm$ 1.0 b
	S ₂	168 $\pm$ 3 i	2.4 $\pm$ 0.04 m	1.3 $\pm$ 0.08 bc	0.28 $\pm$ 0.026 bd	51 $\pm$ 1.1 g
	C ₂	197 $\pm$ 4 deg	3.5 $\pm$ 0.03 e	1.9 $\pm$ 0.09 hf	0.40 $\pm$ 0.027 g	72 $\pm$ 0.6 ad
	R ₁	179 $\pm$ 5 i	3.0 $\pm$ 0.03 b	1.4 $\pm$ 0.14 bgi	0.35 $\pm$ 0.020 gh	61 $\pm$ 2.0 e
	R ₂	173 $\pm$ 4 ij	3.0 $\pm$ 0.03 b	1.6 $\pm$ 0.11 di	0.32 $\pm$ 0.018 defh	59 $\pm$ 1.1 e
LSD 5%		9	0.1	0.3	0.06	3