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Supplementary Material

LED lights increase an antioxidant capacity of *Arabidopsis thaliana* under wound-induced stresses

Zahra Mirzahosseini[A], *Leila Shabani*[A,C] *and Mohammad R. Sabzalian*[B]

[A]Department of Biology, Faculty of Sciences, Shahrekord University, Shahrekord, Iran.

[B]Department of Agronomy and Plant Breeding, College of Agriculture, Isfahan University of Technology, Isfahan 84156-83111, Iran.

[C]Corresponding author. Email: shabani-l@sku.ac.ir; lshabani@gmail.com

Fig. S1. Left to right: aerial parts of *Arabidopsis* plants grown under R, RB, B, W and fluorescent (**F**) lights.

Fig. S2. Left to right: roots of *Arabidopsis* plants grown under R, RB, B, W and fluorescent (**F**) lights.

Table S1. Real-time PCR primer sequences

Gene	Primer sequence
Actin	F 5'-GTATCGCTGACCGTATGAG-3'
	R 5'-CTGCTGGAATGTGCTGAG-3'
PAL	F 5'-TCTGGAATGGCGTCAATG-3'
	R 5'-ACTCAGGCTTACTCA-3'

Table S2. Analysis of variance of wounding status, light quality and their interactions on the studied parameters

Variable	Df	Shoot DW	*Chl a*	*Chl b*	Carotenoid	H_2O_2 Accumulation	MDA Content	CAT Activity	APX Activity	GPX Activity	SOD Activity	GST Activity	Anthocyanin	LOX Activity	Phenolic Compound	*PAL* (2h)	*PAL* (24h)	*PAL* (1w)
Light	**4**	1.025*	0.03*	0.004*	0.007*	0.72*	32.1*	87*	43.14*	0.047*	196*	2*	85.38*	0.001 ^{ns}	91728*	0.98*	0.74*	36.5*
Rep (Light)	**10**	0.0008 ^{ns}	0.001*	0.0001 ^{ns}	0.0002*	0.032 ^{ns}	6.02*	10.03*	1.45*	0.00099*	14.08*	0.085*	2.235 ^{ns}	0.0005*	395.32 ^{ns}	0.057 ^{ns}	0.014 ^{ns}	0.14 ^{ns}
Wound	**1**	0.012*	0.003*	0.001*	0.0002*	4.37*	320.5*	849.5*	133.9*	0.064*	805*	4.3*	76.7*	0.019*	114561*	0.003 ^{ns}	3.22*	11.16*
Light × Wound	**4**	0.0046*	0.001 ^{ns}	0.0005*	0.0002*	0.207*	8.65 ^{ns}	27.8*	10.91*	0.0134*	46.5*	0.53*	4.29 ^{ns}	0.001*	32418*	0.27*	0.53*	6.42*
Error	**10**	0.00064	0.0004	0.00007	0.00001	0.085	0.1134	0.2946	0.05	0.00003	0.343	0.0069	1.42	0.00002	1233.5	0.071	0.011	0.228

"Significant" and "not significant" at $P = 5\%$ are shown as "*" and "ns", respectively.