

**Supplementary Material**

**Ameliorative effect of *Halopteris filicina* extracts on growth parameters and genomic DNA template stability of tomato (*Solanum lycopersicum*) under lead chloride stress**

Dilek Unal<sup>A,\*</sup>, Gulcin Sevim<sup>B</sup>, Gokay Varis<sup>A</sup>, Inci Tuney-Kizilkaya<sup>C</sup>, Bengu Turkyilmaz Unal<sup>D</sup>, and Munir Ozturk<sup>C</sup>

<sup>A</sup>Department of Molecular Biology and Genetics, Bilecik Seyh Edebali University, Bilecik 11230, Turkey.

<sup>B</sup>Biotechnology Application and Research Center, Department of Biotechnology, Institute of Undergraduate, Bilecik Seyh Edebali University, Bilecik 11230, Turkey.

<sup>C</sup>Department of Biology, Faculty of Science, Ege University, Izmir 35040, Turkey.

<sup>D</sup>Biotechnology Department, Arts and Sciences Faculty, Niğde Ömer Halisdemir University, Niğde 51240, Turkey.

\*Correspondence to: Dilek Unal Department of Molecular Biology and Genetics, Bilecik Seyh Edebali University, Bilecik 11230, Turkey Email: dilek.unal@bilecik.edu.tr

Supplementary Table S1. The Microwave digestion program

<b>Step</b>	<b>Target Temp</b> (°C)	<b>Pressure Limit</b> (bar)	<b>Ramp Time</b> (min)	<b>Hold Time</b> (min)	<b>Power</b> (%)
<b>1</b>	160	30	5	5	90
<b>2</b>	180	35	2	30	100
<b>3</b>	50	35	1	15	0
<b>4</b>	-	-	-	-	-

**Supplementary Table S2. ISSR primers used for PCR amplification**

ISSR primers	Sequence (5'-3')	Annealing temperature (°C)
808	(AG) <sub>7</sub> AAGC	51
807	(AG) <sub>8</sub> T	47
809	(AG) <sub>8</sub> G	53
810	(GA) <sub>8</sub> T	49
818	(CA) <sub>8</sub> G	51
826	(AC) <sub>8</sub> C	49
828	(TG) <sub>8</sub> A	49
830	(TG) <sub>8</sub> G	49
873	(GACA) <sub>4</sub>	54
880	(GGAGA) <sub>2</sub> GGAG	48
866	(CTC) <sub>6</sub>	49
842	(GAGA) <sub>4</sub> T	49
868	(GAA) <sub>6</sub>	52
813	(CTCT) <sub>4</sub> T	51
890	GGA(GAG) <sub>2</sub> AGG	51