

Supplementary Materials

Table S1. Primer pairs used for RT-qPCR amplifications of the key genes involved in plant SA and JA defense pathways

Targent Gene	Forward Sequence (5' → 3')	Reverse Sequence (5' → 3')
PHAVU_002G175500g	GAAAAGCGTGGAAAGCTACG	AGCCATGAACGATGATCTCC
PHAVU_001G017800g	GGGAGAAGCTGCTGAAACAC	CCGACCTGAATATCGAAGGA
PHAVU_003G111500g	GAATTTCCCTGCTGCTCTTG	CTGGCTTAGCCTCAGGAATG
PHAVU_001G000800g	AGCCGCATGCTGTTCTCTAT	TTTTCATGAACAGCGCTCAC
PHAVU_001G001300g	TGAAATGGCCAAGAAGGAAC	GGCGACGAGACCGTATATGT
PHAVU_002G06700g	CTGATGAGCAGCAGCAGAAG	AAACGGGCATAAACAACAGC
PHAVU_003G096400g	ACGACCATGGGTTGCTAGTC	AATGCTTCAGCTTCCTTCCA
PHAVU_003G011600g	TAGTGATGGTGCAGGAGCTG	GATGCAAAGGCCTCATTGAT
PHAVU_006G048600	CAGGATGCTTGGGATGATCT	CAAGGGCCTTTCCTACTTCC
PHAVU_008G057700	TGCTTCACATGAATGGTGGT	CAACCCAAGTCTGCCACTTT
PHAVU_008G272800	TCCTTGTTGATGCCCACATA	CAAAGAAAAAGGGGGAGAGG
PHAVU_011G176100	CCCATGCACAGTGTAACAAG	ACCAATTAACCCCCAAGGAG
PHAVU_011G17200	GCTGATTGGGATGCTCTTC	CGTTTCCCTTGTTGAGTGGT
β-actin	GGAAAATCAGTCTCGGTTTCAG	TCATACAGCAGCAAGCAC

Table S2. Analysis of variance (ANOVA) table for the effect of PeBC1 elicitor protein and temperature on the nymphal development time of green peach aphids (*Myzus persicae*).

SOV	Df	1 st Instar			2 nd Instar			3 rd Instar			4 th Instar			Df	Overall		
		MS	F-Value	p-value	MS	F-Value	p-value	MS	F-Value	p-value	MS	F-Value	p-value		MS	F-Value	p-value
Conc.	3	5.42	4.24	0.01	5.53	4.45	0.01	6.35	5.59	0.001	6.73	5.19	0.002	3	16.71	17.25	< 0.001
Temp.	2	78.09	61.12	< 0.001	85.71	68.94	< 0.001	97.78	86.10	< 0.001	73.76	56.95	< 0.001	2	306.75	316.79	< 0.001
Conc.× Temp.	6	0.41	0.32	0.92	1.51	1.21	0.31	3.97	3.50	< 0.01	1.52	1.17	0.326	6	4.23	4.37	< 0.001
Error	108	1.28			1.24			1.14			1.30			468	0.97		
Total	119													479			
Grand Mean / CV	3.22 / 35.09				3.37 / 33.12			3.56 / 29.94			3.23 / 35.18				3.26 / 30.20		

Table S3. Analysis of variance (ANOVA) for the effect of PeBC1 elicitor protein and temperature on the fecundity of green peach aphids (*Myzus persicae*).

SOV	DF	SS	MS	F-Value	p-value
Conc.	3	178.40	59.47	24.84	< 0.001
Temp.	2	1295.72	647.86	270.57	< 0.001
Conc. × Temp.	6	15.95	2.658	1.11	0.3612
Error	108	258.60	2.394		
Total	119	1748.67			
Grand Mean / CV	15.67 / 9.88				