

**Table S1.** Oligonucleotides employed for qPCR analysis of wound-response and Lox-9 pathway genes in untransformed and prosystemin overexpressing tomato plants.

Gen		Secuencia 5' - 3'	
<i>PS</i>	Prosystemin	Forward	CACCATGAGAAGGGAGGAGA
		Reverse	CCTCCTCATGTTCCATCTTTG
<i>PLA2</i>	Phospholipase A2-alpha (PLA2)	Forward	CTAATGCTGGCCTCTCCTTG
		Reverse	CCCAGGGCATCCACTATACA
<i>LHA</i>	ATPasa	Forward	GCAAATACCGTCCTGGCATA,
		Reverse	CCTGTTGAGCAAGACGATGA
<i>Lox D</i>	Lipoxygenase D	Forward	GGTGTCATCGAGGCTTGC
		Reverse	CCCTGTCACTGCAAACCTTG
<i>AOS 1</i>	Allene oxide synthase 1	Forward	GACGCATCATTCGAAATCAA
		Reverse	GCGTTTTTCAGTTTCCGACCC
<i>JAZ 2</i>	Jasmonate ZIM domain 2	Forward	TAGCTCATGCAGTGGTGGT
		Reverse	ATCCGTTGTTACCATCTTCTTC
<i>JMT</i>	Methylesterase/methyl jasmonate esterase	Forward	TTTACAACAACGGACAGGATA
		Reverse	ACTCATCGAACAATGGTACG
<i>PPO</i>	Polyphenol Oxidase	Forward	TTGGCGGACCTTATGATCTC
		Reverse	CATTGTTGTCCACGTTTCAGG
<i>PIN II</i>	Proteinase inhibitor II	Forward	GAAAATCGTTAATTTATCCCAC
		Reverse	ACATACAAACTTTCCATCTTTA
<i>CYP 2</i>	Cysteine Proteinase 2	Forward	CATCTGATTTTGACTGGCG
		Reverse	GGTCACACTCATGGTCACAA
<i>SCP</i>	Wound-inducible Carboxypeptidase	Forward	GTGGACCTGGTTGTTCAAG
		Reverse	ATGGATTGTTGTGCAGAGAA
<i>AROGP3</i>	Polygalacturonase non-catalytic subunit PG	Forward	GACAACTATGGTGCCCCCTG
		Reverse	CTTCACCGCCATTTGCATC

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<b><i>Lox A</i></b>	Lipoxygenase A	Forward	GGTTACCTCCCAAATCGTCC
		Reverse	TGTTTGTAAGTGCCTGTG
<b><i>HPL</i></b>	Fatty acid hydroperoxide lyase	Forward	TCTCTTCTTCCTGCACTCCA
		Reverse	CCAATGCTGACAGTAGGTGC
<b><i>AOS 3</i></b>	Allene oxide synthase 3	Forward	GCGGAGGAGTTCAATCCAG
		Reverse	CGCATGAAAACTCCACAACC
<b><i>SAND</i></b>	SAND family protein	Forward	TTTGCTTGGAGGAACAGAC
		Reverse	GAATCAGCTACATCATGCAAGA
<b><i>TIP4I</i></b>	TIP41-like family protein	Forward	GCTGCGTTTCTGGCTTAGG
		Reverse	GACAAGGCCTGAAATGTGGT

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