

**Foliar application of chitosan enhances growth and modulates expression of defense genes in chilli pepper (*Capsicum annuum* L.)**

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**Supp. Table 1.** Primer and amplicon sequences of analysed genes.

Gene Name	Primer Name and Sequences	Amplicon Sequence	BLAST Hit
<b>CaLOX1</b>	CaLOX1 Forward : 5'-CCACGAAACTCCAGAACCAT-3'	5'GAAATGGAAAGCTTGAGGAATGGGACAG GGTTTATGACTATGCTTTCTACAACGACTTGG GTGATCCAGAAAGAGGCGAAGCGTATGCTA GGACTATCTGGGAGGATCTGCTGAGTTCCC ATACCCTC3'	<i>Lipoxygenase 1</i> ( <i>Capsicum annuum</i> ). ACC Number : ACO57136.1
	CaLOX1 Reverse : 5'-GAGGGTATGGGAACTCAGCA-3'		
<b>CaPIK1</b>	CaPIK1 Forward : 5'-AGATGGCAGATCCAGCACTT-3'	5'TCTTGAATGCTGCAATGTGTGCCAGGA GCAACCTACTATACGCCCTCAATTGTTGATA TCGTCACCTGCTTTGAACTACCTTGCTCCTTA AAGTATGACCCTGAAATCGAGCC3'	<i>Serine/threonine- protein kinase CDL1- Like</i> ( <i>Capsicum annuum</i> ). ACC Number : NP_001311989.1
	CaPIK1 Reverse : 5'-GGCTCGATTTCAAGGGTCATA-3'		
<b>CaPTI1</b>	CaPTI1 Forward : 5'-GAGAATTTCTTGGCGCTCTG-3'	5'TGTTCTAGGAGTTACAGTGTGTTGACACA TCAAGCATAATTTAGATGTGTTAGAATATATC TGTTAGATATATCAATCTATTCTGGGTTTTAC TTTTACATTATATGCATGCTTGTATTTCTTTT ATTTTCTTCTGAATAGTTTGTAGCGATGCAC GC3'	<i>Capsicum annuum pathogenesis-related genes transcriptional activator</i> (PTI1)mRNA, complete cds. ACC Number : KJ690096.1
	CaPTI1 Reverse : 5'-GCGTGCCATCGCTACAACTA-3'		
<b>CaRGA2</b>	CaRGA2 Forward : 5'-TGCTAGGCGGGAACAGGTTATG-3'	5'AAGATAAGATGGTGGAAATCTTGACAAAA GATGTTAGTGGTCTTCAAGAAGTTTCAAGTCTT CCAATACTTGGTATGGGGGTATAGGAAA GACGACTCTGCCCAAATGGTCTTCAATGAT CAGAGAGTAAGTGCATTTCAATCCCAAAA TATGGATTTGTCTCAGAAGATT3'	<i>Capsicum annuum blight resistance protein RGA2</i> (RGA2) mRNA, complete cds. (ACC Number : GU116570.1)
	CaRGA2 Reverse : 5'-CAAGCCGAGTAGTGGTTAGAACAG-3'		
<b>CaCaM1</b>	CaCaM1 Forward : 5'-AGAACCCGACTGAAGCTGAA-3'	5'TGGAACCATCGACTTCCCAGAGTTTCTAAA CCTCATGGCCAAGAAGATGAAGGATACAGA TTCCGAGGAGGAGCTGAAAGAGGCATTGAG GGTTTTCGACAAGGATCAAAATGGCTTCATC TCGGCTGCTGAGCTTCGCCATGTGATGACTA AAA3'	<i>Capsicum annuum calmodulin 1</i> (CaM1) mRNA, complete cds. ACC Number : EU935058.1
	CaCaM1 Reverse : 5'-TAGTCATCACATGGCGAAGC-3'		