

Accessory Publication**Table S1. List of primers used for selective amplification of cDNA fragments in cDNA-AFLP analysis**

S.No.	Forward primer	Reverse primer
1	5'-GACTGCGTACCAATTCAGG-3'	5'-GATGAGTCCTGAGTAACAT-3'
2	5'-GACTGCGTACCAATTCAGG-3'	5'-GATGAGTCCTGAGTAACTC-3'
3	5'-GACTGCGTACCAATTCAGG-3'	5'-GATGAGTCCTGAGTAACAC-3'
4	5'-GACTGCGTACCAATTCAGG-3'	5'-GATGAGTCCTGAGTAACTT-3'
5	5'-GACTGCGTACCAATTCACG-3'	5'-GATGAGTCCTGAGTAACTC-3'
6	5'-GACTGCGTACCAATTCACG-3'	5'-GATGAGTCCTGAGTAACAC-3'
7	5'-GACTGCGTACCAATTCACG-3'	5'-GATGAGTCCTGAGTAACTT-3'
8	5'-GACTGCGTACCAATTCACG-3'	5'-GATGAGTCCTGAGTAACTA-3'
9	5'-GACTGCGTACCAATTCAAC-3'	5'-GATGAGTCCTGAGTAACTC-3'
10	5'-GACTGCGTACCAATTCAAC-3'	5'-GATGAGTCCTGAGTAACAC-3'
11	5'-GACTGCGTACCAATTCAAC-3'	5'-GATGAGTCCTGAGTAACTA-3'
12	5'-GACTGCGTACCAATTCACT-3'	5'-GATGAGTCCTGAGTAACAT-3'
13	5'-GACTGCGTACCAATTCACT-3'	5'-GATGAGTCCTGAGTAACAC-3'
14	5'-GACTGCGTACCAATTCACT-3'	5'-GATGAGTCCTGAGTAACTT-3'
15	5'-GACTGCGTACCAATTCACT-3'	5'-GATGAGTCCTGAGTAAACA-3'
16	5'-GACTGCGTACCAATTCAAG-3'	5'-GATGAGTCCTGAGTAACTC-3'
17	5'-GACTGCGTACCAATTCAAG-3'	5'-GATGAGTCCTGAGTAAACA-3'

Table S2. List of primers used for quantitative RT-PCR analysis

Ta gene ID	Forward primer	Reverse primer
TaSRGM 20	5'-ATACTGACCTTGTCCTGTAAGC-3'	5'-GGCGCCAATCGGATT-3'
TaSRGM 21	5'-TGCTCGAGTATCTGGTACTTACAGATG-3'	5'-CGCCCGAATCACCCATT-3'
TaSRGM 93	5'-TGCCGGCCTTCTTGAAAAC-3'	5'-CACGGCACCCCGGATA-3'
TaSRGM 94	5'-ACACACATCCCTACTAATGATTCTTCA-3'	5'-AGGGCCAATCAGTCTTATTGTTTC-3'
TaSRGM 96	5'-CGGGTGGCTGCAGTACACT-3'	5'-GGCACTGGCCTACCTAACAAAAC-3'
TaSRGM 137	5'-GGCATCTCCCTTTATTGCTT-3'	5'-AGAGAATGCATGATTCTCAAAAACAA-3'
TaSRGM 142	5'-TGTTACCAAAGGAGGGACATTT-3'	5'-CACGTGTGCATGTAGCTCAA-3'
TaSRGM 144	5'-TCAGCCTTGCTGCCTCCTT-3'	5'-GGCTCCTGATCCAGCAGTTC-3'
TaSRGM 164	5'-AACTATCTGCAGCAAAGTCATCAGTAG-3'	5'-AAAATCATTGCCATCACTGTTACC-3'
TaSRGM 166	5'-CAGGGCTATCGCCTCTATGAA-3'	5'-CGACATGATCACTAGTTTTAGGACATTC-3'
TaSRGM 281	5'-CCAGCAACGCAAAGTTCTGA-3'	5'-CGGCGTTCTTCCCGTTT-3'
TaSRGM 285	5'-ACTTCTCGGTGCGACTGTTTCC-3'	5'-GGTTGAGAAGAAGGTCGAAGACA-3'
TaSRGM 308	5'-CCCTCGATGATTTGCGTTATC-3'	5'-TTGCTGGAAACACGAACAAGTT-3'
TaSRGM 310	5'-GACAGGGCTACCAAGTCTTCTTT-3'	5'-TGGTTATTTCCAGGCCAGTGA-3'
TaSRGM 340	5'-GGCCTTCTTGAAAACCAACA-3'	5'-CACGGCACCCCGGATAA-3'
TaSRGM 359	5'-TCCGATTCCAAAGGCATCA-3'	5'-TGACCTGAATGAGGAAACAATTGA-3'
TaSRGM 360	5'-CAACATTTTCATCTTGCCATGATTC-3'	5'-AACATATGCTTCGTGAGCTAGCAT-3'
TaSRGM 369	5'-GGGATCCCAAAACAGTGAGTAATAG-3'	5'-TCTCGGTCACAACAGTCACAGTT-3'
Wheat Actin	5'-CCTTGTTTGCACAATGGAA-3'	5'-AGCCCTTGGTGCATCATCTC-3'

Table S3. Details of conserved motifs found in the translated sequences

Name of motif	Function/role of motifs	Species	References
Protein kinase C phosphorylation site	Regulated by calcium dependent protein kinase C. CDPKs participate in signaling pathways triggered by different external stimuli (i.e. biotic and abiotic stress) and required in the defense-related signal cascade to induce hypersensitive response.	<i>N. tabacum</i>	Romeis <i>et al.</i> (2001)
N-myristoylation sites	N-myristoylation sites are found in SOS3 gene of <i>A. thaliana</i> and required for its function in salt tolerance	<i>A. thaliana</i>	Ishitani <i>et al.</i> (2000)
CK2 phosphorylation site	Responsible for the functional relevance of the phosphorylation status of genes by CK2. And found in conserved binding domains i.e. plant translation initiation factors. Regulated by CK2 in absence of second messengers.	<i>T. aestivum</i> and <i>A. thaliana</i>	Dennis <i>et al.</i> (2009)
N-glycosylation sites	Found in type 1 transmembrane proteins that becomes N-glycosylated during transport to the cell membrane, leading to regulation of transferrin binding to transferrin receptors. Pattern recognition receptors require N-glycosylation to mediate plant immunity	<i>H. sapiens</i> and <i>A. thaliana</i>	Bhatt <i>et al.</i> (2010), Häweker <i>et al.</i> (2009)
Amidation site	Amidation sites are c terminus consensus sequences of glycine, followed by 2 basic amino acids (arg or lys), required for c terminus amidation of peptides. Found in R-genes such as CN genes which belong to the TIR/NBS/LRR gene class. CN gene was reported to be up-regulated in response to TMV infection and temperature stress in Tobacco	<i>N. tabacum</i>	Zhang <i>et al.</i> (2009)
cAMP- and cGMP-dependent protein kinase phosphorylation site	Key regulators of polar auxin transport and signaling in plants	<i>A. thaliana</i>	Christensen <i>et al.</i> (2000), Benjamins <i>et al.</i> (2001)

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