



**Figure S1.** Sequence analysis of GmCIPK2. (A) Multiple sequences alignment of GmCIPK2, OsCIPK2, and AtCIPK2. Dark blue shading indicates identical residues, Dark lines demarcate the N-terminal Ser/Thr kinase domain and C-terminal regulatory domains. The NAF/FISL domain is marked with a red rectangle.

**Table S1.** Primers used in RT-PCR assays.

<b>Gene</b>		<b>Primers</b>
<i>actin</i>	Forward	5'- GAAATCACAGCACTTGCACC -3'
	Reverse	5'-TGGAATGTGCTGAGGGAAGC-3'
<i>Gmtubulin</i>	Forward	5'-GAGGCAAGATGAGCACCAAG-3'
	Reverse	5'-ACGGAACATTCCTGAATGGAG-3'
<i>GmCIPK2</i>	Forward	5'- TCTCGATGCTGATGGAGTATTG -3'
	Reverse	5'- TTGTCGGATGTAAACCGCTCT -3'
<i>GmCBL4</i>	Forward	5'- AAGGATGGATGCTTGGACACA -3'
	Forward	5'- TCTCGATGCTGATGGAGTATTG -3'
<i>GmP5CS</i>	Forward	5'- GCGGATCCTTCTCGGAGTTT -3'
	Reverse	5'- TCAATTTGCGGTAGCGGAGT -3'
<i>GmLEA5</i>	Forward	5'-CCGATGTATCGGTAAAGAGT-3'
	Reverse	5'-AGGCTTTTGAACCATCTC -3'
<i>GmDHN15</i>	Forward	5'- GGAACATCGGTGGCCCTT-3'
	Reverse	5' CCAGTGCCTCCATAA-3'
<i>GmMYB118</i>	Forward	5'- ATCATACTGTTTCGGAGTCAC-3'
	Reverse	5'- CAGACACTGTAGAGACCTTGTT-3'
<i>GmNHX1</i>	Forward	5'-GTCGGGGCACACTTCACTAA-3'
	Reverse	5'-GGATGCTGCTTGGACGATGA-3'
<i>GmSOS1</i>	Forward	5'- ATCGGCTGGGAAAGATTGGG -3'
	Reverse	5'-CACCAGGGCCAGCTAGTAAG-3'
<i>GmPOD21</i>	Forward	5'-CCGTTTCGTGGGTCAGAAATCT-3'
	Reverse	5'-CCGACGCCTGCTCCGACACTA-3'
<i>GmPOD47</i>	Forward	5'-CAGCTCTGCAGGATGATCCCA-3'
	Reverse	5'-TCAATCAGAACTGAACCATCA-3'
<i>GmGST18</i>	Forward	5'-ATTGCTGCCAAAAGACAACCA-3'
	Reverse	5'-AAACAAATCGGTAATAGACAAT-3'
<i>GmGST20</i>	Forward	5'-GGGTGTAGAGTATGAGTAT -3'
	Reverse	5'-TGAACAAGAACCGGAACCT-3'