

Table S1 List of *MAPK* genes and primer pairs for qRT-PCR

Serial No.	Gene	Length	Primer pairs
1.	<i>OsMPK3</i>	19 17	5'-GCTCCAACCAAGAACTGTC-3' 5'-AGTCGCAGATCTTGAGG-3'
2.	<i>OsMPK4</i>	20 20	5'-CGAGGTCTCCTCCAAGTACG-3' 5'-GCGAAGCAGCTTGATTTCTC-3'
3.	<i>OsMPK6</i>	20 20	5'-AGGTCACCGCCAAGTACAAG-3' 5'-AGCAGCTTGATCTCCCTGAG-3'
4.	<i>OsMPK7</i>	17 17	5'-GCTCGCACAAACAACAC-3' 5'-GCCAAGAAGCTCAGCAA-3'
5.	<i>OsMPK14</i>	20 20	5'-TCCTGAGTTGCTCCTTTGCT-3' 5'-CGAGCTTTTGGGTTGTCAAT-3'
6.	<i>OsMPK16-1</i>	20 20	5'-CTTTGAGCATGTGTCCGATG-3' 5'-TTGGTGCAAATCAGACTCCA-3'
7.	<i>OsMPK16-2</i>	20 20	5'-TGGAGTCTGATTTGCACCAA-3' 5'-TGCAAGGCCAAAATCACATA-3'
8.	<i>OsMPK17-1</i>	20 20	5'-TCATCAGAGCGAACGATGAC-3' 5'-TGCAACATAATCCGTCCAAA-3'
9.	<i>OsMPK17-2</i>	18 19	5'-GCCTGCTAGAGCGTTTAC-3' 5'-CCTTTGTCAGTTTCCTTCG-3'
10.	<i>OsMPK20-1</i>	20 20	5'-TCGAGGAGGGATTTCAAAGA-3' 5'-CTTCAGGTCCCGGTGATAAA-3'
11.	<i>OsMPK20-2</i>	20 20	5'-GCTATGGGGTTGTGTGCTCT-3' 5'-ACAATGTCCGGATGCCTTAG-3'

12.	<i>OsMPK20-3</i>	20 20	5'-GATGCTCCGTGCTTTGAAAT-3' 5'-TGCAACATAATCGGTCCAGA-3'
13.	<i>OsMPK20-4</i>	17 20	5'-TTTCGCTCCCAAGGACT-3' 5'-CCCATTGCACTCAAATTCTC-3'
14.	<i>OsMPK20-5</i>	20 20	5'-AGAGAACCATCATGCCAACC-3' 5'-GTGTTTTTCGGAGCCATTCAT-3'
15.	<i>OsMPK21-1</i>	20 20	5'-CGAGTGGCGATCAAGAAGAT-3' 5'-ATGTCCCTGAATTCCCTCCT-3'
16.	<i>OsMPK21-2</i>	20 20	5'-CCGGAGTTCTTCAGCGAGTA-3' 5'-AGGAGGCGGAGTAGCTTGAT-3'