

Table S1. The specific primers of all *BoMAPK* genes used in RT-qPCR analysis

Gene name	Forward primer	Reverse primer
<i>BoMAPK1</i>	TCAGCCAACATACTCCACCG	TTGTCGCAGCAGAGGAGAAG
<i>BoMAPK2</i>	TGCCAATACTTCTTGTTCCAGC	CATCCCACCGACCAGACATC
<i>BoMAPK3</i>	GCCTTTGTTCCCTGGCAAAG	ATCATTCGGGTCGTGCAACT
<i>BoMAPK4.1</i>	GCACGAAAGGATTGGCTACTC	CTTGGCGTCGATGATGTTGT
<i>BoMAPK4.2</i>	AGGTGCCTATGGTATTGTCTGCT	CTGGTGGCTCGATTATATCTTTCA
<i>BoMAPK5</i>	AACAAAGTAGATGCTAAGCGAACG	CAAGGGCTGATCTGAACGAATA
<i>BoMAPK6.1</i>	TAGCCACGGAGGGAAGTTTATT	GCCGAACAGACGATGCCAT
<i>BoMAPK6.2</i>	GCATCGTTTGCTCGGCTATG	TGAAAGCGGTTCTTAGCGGT
<i>BoMAPK7</i>	CAAACAGCAAGGGAAACATTACTAC	TGATGGAAGAACAAACCACACC
<i>BoMAPK8.1</i>	TCTAGACACACACACTGGCG	GACGAAGCAACCTCAGCAAC
<i>BoMAPK8.2</i>	CCTTCTTGAACGCCTGCTTG	ATGGTTCGCGCTCTGAGTTT
<i>BoMAPK9</i>	CGAGCTCATGGAGTCAGACC	CACAAAGTTCTGGTGCACGG
<i>BoMAPK13</i>	GTCCCTCCTATCCGTCCCAT	ATCTCTTTGCGGTGGTCTTACA
<i>BoMAPK15</i>	TGTGACTTTGGGCTTGCTCG	TGCTTCTGGAGGTGGAGTGC
<i>BoMAPK16.1</i>	TCTCCACCAGGTTATCAAGGCT	TCTCGCAAGTCCAAAATCACAG
<i>BoMAPK17.1</i>	ATATCGATCCTGTGGCGCTG	TCCCTCACATCATCCCGAGT
<i>BoMAPK17.2</i>	TCTCCTTCACTGATTCCCCTTC	AATGGCTTTCCGGTTAGCAT
<i>BoMAPK18.1</i>	CACACGGGAGAGAAAGTCGC	CATCGTTCGCCTTAATAACCTG
<i>BoMAPK18.2</i>	CGACCTCCAATGCTCAACCT	AAGGCGCTTCTCTTGGTTCA
<i>BoMAPK19.1</i>	TCCTCCTTCCAAGCGAGAGT	GCGCGAAGCATCTGGTAAAG
<i>BoMAPK19.2</i>	AAGACGATAGGGTTGTTGAGCG	CGTAGCTTCCTTTCCCGATGA
<i>BoMAPK20.1</i>	GCGCCTTTTGACAACGGTAG	GTTCTCCGCCTTGTGCATTC
<i>BoMAPK20.2</i>	AAGCCACCCATTCTTTTACTC	TTGAGCAGTTGGACGGTCTTT
<i>Actin</i>	CGTGACCTTACTGACTACC	CTCCATCTCCTGCTCGTA