**Supporting Information Tables S1**

**Table S1** Sequences of primers used in this study

|  |  |  |
| --- | --- | --- |
| Primer Name  | Sequence (5'-3') | Usage |
| TaCAD12-U1 | 5’-TCGCCTCACACACAGGAAAG-3’ | PCR for *TaCAD12* amplification |
| TaCAD12-U2 | 5’-ACACACAGGAAAGGCAAAAA-3’ |
| AUAP | 5'-GGCCACGCGTCGACTAGTAC-3' |
| TaCAD12-PG-F | 5’- AATGGATCCATGGCACCCACGGCGACG-3’  | GST-TaCAD12 recombinant vector |
| TaCAD12-PG-R | 5’-AGTGAATTCTCACTCGGTTGTGGCGGC-3’ |
| BSMV-CPF | 5'-TGACTGCTAAGGGTGGAGGA-3' | Q-RT-PCR wheat BMSV coat protein  |
| BSMV-CPR | 5'-CGGTTGAACATCACGAAGAGT- 3' |
| TaCAD12-SPEi-U | 5'-GAACTAGT ATGGCACCCACGGCGACG-3' | TaCAD12-overexpressing transformation vector |
| TaCAD12-SACi-L | 5'-CAGAGCTCTCACTCGGTTGTGGCGGC-3' |
| TaCAD12-Q-265F | 5’-AACGTGACCAAGTTCAAGGC-3’ | Q-RT-PCR wheat *TaCAD12* transcript |
| TaCAD12-Q-557R | 5'-TTCAGCCCGTGGTACTTCAT-3' |
| Defensin-Q-F | 5'-ATGTCCGTGCCTTTTGCTA-3' | Q-RT-PCR wheat *Defensin* transcript |
| Defensin-Q-R | 5'-CCAAACTACCGAGTCCCCG-3' |
| PR10-Q-F | 5'-CGTGGAGGTAAACGATGAG-3’ | Q-RT-PCR wheat *PR10* transcript |
| PR10-Q-R | 5'-GCTAAGTGTCCGGGGTAAT-3' |
| PR17c-Q-F | 5'-ACGACATCACGGCGAGGT-3’ | Q-RT-PCR wheat *PR17c* transcript |
| PR17c-Q-R | 5'-CACGGGGAAAGAGAGGATGA-3' |
| Chit1-Q-F | 5'-ATGCTCTGGGACCGATACTT-3' | Q-RT-PCR wheat C*hitinase1* transcript |
| Chit1-Q-R | 5'-AGCCTCACTTTGTTCTCGTTTG-3' |
| TaCAD1-Q-F | 5'-AAAAGCAGAGGGAGAAAGAGC-3' | Q-RT-PCR wheat *TaCAD1* transcript |
| TaCAD1-Q-R | 5'-AACGGAAACAGGTCACAAACAT-3' |
| TACCR-Q-F | 5'-CGTGGCATCTCCATCTCA-3' | Q-RT-PCR wheat *TaCCR* transcript |
| TACCR-Q-R | 5'-GTGCCCTTGACGGTGTAG-3' |
| TaCOMT1-Q-F | 5'-CATCTACGCCAACGCATT-3' | Q-RT-PCR wheat *TaCOMT1* transcript |
| TaCOMT1-Q-R | 5'-GAGGAAACACCAAGCCAAAG-3' |
| TaActin-F | 5'-CACTGGAATGGTCAAGGCTG-3' | Q-RT-PCR wheat *Actin* transcript |
| TaActin-R | 5'-CTCCATGTCATCCCAGTTG-3' |
| TaCAD12-4166-ZJF | 5’CGCGGAGTACGTGAACAC-3’ | PCR for over-expressing *TaCAD12* wheat |
| Tnos-3214L | 5’-AAAACCCATCTCATAAATAACG-3’ |
|  |  |  |
|  |  |