

Table S2 Primers used in this study

Primer name	Primer sequence (5' -3')	Purpose
Full length DNA and cDNA amplify		
GhDSC1-F-F	AATGAAATGAAACCCAC	Primers for full length amplify of <i>GhDSC1</i>
GhDSC1-F-R	AAATCAAAGTTCCTCA	Primers for full length amplify of <i>GhDSC1</i>
Gene expression pattern analysis		
GhDSC1-Q-F	TCCTCCTCCTCCTCAAGT	RT-qPCR for <i>GhDSC1</i> gene
GhDSC1-Q-R	TGCGATCCATAATGTCAGAA	RT-qPCR for <i>GhDSC1</i> gene
GhCAMTA3-Q-F	TTCTTCGTTGCCACACTC	RT-qPCR for <i>GhCAMTA3</i> gene
GhCAMTA3-Q-R	ACTCTCGGACTTCACTACA	RT-qPCR for <i>GhCAMTA3</i> gene
CAMTA3-Q-F	GCAAGACGGAACAGAGAA	RT-qPCR for CAMTA3 gene
CAMTA3-Q-R	AGGACATAGGCAACATCAAT	RT-qPCR for CAMTA3 gene
Primers for transgenic lines detection		
GhDSC1-T-F	TCCTCCTCCTCCTCAAGT	Primers for <i>GhDSC1</i> transgenic lines detecting
GhDSC1-T-R	CTCCTTATTACACCATCTACAC	Primers for <i>GhDSC1</i> transgenic lines detecting
Primers for fungal biomass detection		
VdEF-1 α -F	TGAGTTCGAGGCTGGTATCT	For qPCR measurement of <i>V. dahliae</i> level
VdEF-1 α -R	CACTTGGTGGTGTCCATCTT	For qPCR measurement of <i>V. dahliae</i> level
Gh18S-F	CGGCTACCACATCCAAGGAA	Endogenous control for qPCR in <i>G. hirsutum</i>
Gh18S-R	TGTCACTACCTCCCCGTGTCA	Endogenous control for qPCR in <i>G. hirsutum</i>
Expression detection of marker genes related to JA pathway in <i>A. thaliana</i>		
AtPDF1.2-Q-F	CTTGTTCTCTTTGCTGCTTTC	RT-qPCR for <i>AtPDF1.2</i> gene
AtPDF1.2-Q-R	CATGTTTGGCTCCTTCAAG	RT-qPCR for <i>AtPDF1.2</i> gene
AtVSP2-Q-F	TCATACTCAGTGACCGTTGG	RT-qPCR for <i>AtVSP2</i> gene
AtVSP2-Q-R	TGTACACCACTTGCCTCAAG	RT-qPCR for <i>AtVSP2</i> gene
AtPR3-Q-F	CGGCGACCTCCTTCTTCCTC	RT-qPCR for <i>AtPR3</i> gene
AtPR3-Q-R	GAATGATGCCGCTTGTCTG	RT-qPCR for <i>AtPR3</i> gene
AtPR4-Q-F	AATGGATCCACAATGCGGTCGTCART-qPCR for <i>AtPR4</i> gene	
AtPR4-Q-R	AATGAATTCTTCTGGAATAGGCTGRT-qPCR for <i>AtPR4</i> gene	
AtUBQ5-Q-F	GACGCTTCATCTCGTCC	Endogenous control for RT-qPCR in <i>A. thaliana</i>
AtUBQ5-Q-R	GTAAACGTAGGTGAGTCCA	Endogenous control for RT-qPCR in <i>A. thaliana</i>
Expression detection of marker genes related to JA pathway in <i>N. benthamiana</i>		
NbPDF1.2-Q-F	ATCTGTCTGGGGAAATGGCA	RT-qPCR for <i>NbPDF1.2</i> gene
NbPDF1.2-Q-R	CATGGTCCCTTGAAACGGTG	RT-qPCR for <i>NbPDF1.2</i> gene
NbVSP2-Q-F	TCATACTCAGTGACCGTTGG	RT-qPCR for <i>NbVSP2</i> gene
NbVSP2-Q-R	TGTACACCACTTGCCTCAAG	RT-qPCR for <i>NbVSP2</i> gene
NbPR3-Q-F	CACCAGGACTAACACCAAG	RT-qPCR for <i>NbPR3</i> gene
NbPR3-Q-R	CTCTCCTACTCCTCTCTGC	RT-qPCR for <i>NbPR3</i> gene
NbPR4-Q-F	TGGGTGGACATATTACAGAG	RT-qPCR for <i>NbPR4</i> gene
NbPR4-Q-R	GGCACGCCGACACATTT	RT-qPCR for <i>NbPR4</i> gene
NbActin-Q-F	CGAGGGTTATGCTTGCCTC	Endogenous control for RT-qPCR in <i>N. benthamiana</i>
NbActin-Q-R	AGCAAGCTCCTCCTTCATGT	Endogenous control for RT-qPCR in <i>N. benthamiana</i>