

Table S1 Primer sequences for QPCR

Genes	Forward seq. (5'->3')	Reverse seq. (3'->5')
<i>Panax ginseng</i> ginsenoside synthetic genes		
<i>PgACT</i> (Actin)	GGATCCACGAGACTACTTACAACCTC	AACACTATATTTTCTCTCGGGAGGT
<i>PgFPS</i> (Farnesyl diphosphate synthase)	GCGAAGATCTGGAGAAACATACTAA	GGATCATCCTTTCCATAGTTCTCAT
<i>PgSS</i> (Squalene synthase)	AAGTCTTCAGAGGGGTAGTGAAAAT	GACTCGCTCTCGATTATGTATGATT
<i>PgSE</i> (Squalene epoxidase)	TCCAATTAGCCTATTTCTCCACTTC	GAGCTCTGTAGTAAGCAGGAACAAT
<i>PgBAS</i> (Beta-amyrin synthase)	ATATGTACCATTAGAAGGAAACCGC	ATATATTCCGGTAAGCTGCATAGTG
<i>PgDS</i> (Dammareniol-II synthase)	GGACTTATGACAACAGTGAAGCAGT	GATCAACAACCTTTGCTGCTCTATG
<i>PPDS</i> (Cytochrome P450 <i>CYP716A47</i>)	TGGAACATTCAGAGAAGCTATTACC	TACTAGACGTGCATACTCAATTCCC
<i>PPTS</i> (Cytochrome P450 <i>CYP716A53v2</i>)	GACCTATGCCATTCACATTTATACC	AGCGTACAAGGTGATAGACGAATAG
<i>Panax ginseng</i> defense-related genes		
<i>PgPR2</i> (Beta-1,3-glucanase)	CCTGAAGGTAATCGTGGATAACAATA	ACAGATAAGTCTCTATTGGCCTTCC
<i>PgPR3</i> (Chitinase)	TCACTCATAACTACAACCTATGGGCA	TTATGTTAGTGATGACACCGTAAGC
<i>PgPR4</i> (Pathogenesis-related protein 4)	ATGGACAGCCTTCTGTGGTC	CTTGAGCATTACCCCTTCCA
<i>PgPR5</i> (Thaumatin-like protein)	TTCTCTAGTGGATGGGTTTAATGTG	CTAGGGAAACTATAAGCGTTGGG
<i>PgPR6</i> (Cysteine proteinase inhibitor)	TGAGGTTATTGAGGAATCTGCTAAG	GGTTAACACAACACTGAACATACCA
<i>PgPR10</i> (Ribonuclease)	AGCATGCATTCACTTACACTTACAC	GAATAGTTGGATTGACTTATCGGTG
<i>Botrytis cinerea</i> growth-related genes		
<i>BcACT</i> (Actin)	GATGTCCGTAAGGATTTGTATGGTA	GATCCACATCTGTTGGAAAGTAGAC
<i>BcBCG1</i> (G-protein α -subunit)	GTATCACCGAAACAACCTTCATC	AAAGTGTGAGTGCTTCTTGCATAC
<i>BcBOT1</i> (Cytochrome P450 monooxygenase)	CTTTACGAGTACAAGACTGTCCGAT	GGAAGATATTAGGGTCAGTGTGAAC
<i>BcBAC</i> (Adenylate cyclase)	GTCTAAGGTTAGAGATGCTGTGCTC	GAGATAGCTATTTGACCGAGTGC
<i>BcPKA1</i> (Protein kinase)	CAGAAGTGGTCTCGAGTAAAGGTTA	AGAACCACCATGTAAGTTACCAAGA
<i>BcCHS1</i> (Chitin synthase class I)	CTAGAACAATGCACGGAGTATTCA	ATATTCATAGATGTGTGCTGTCACG
<i>BcCHSIII</i> (Chitin synthase class III)	CCTTGTTCTATCCATGTATCTGGTC	GTTGATGTAAGATGACATGAGCAAC
<i>BcTRE1</i> (Trehalose-6-phosphate synthase)	ATACGGAAGAAGTTCAGATGCTAT	CCTCTACTAAGTCTGGCATCTTGTC
<i>Trichoderma citrinoviride</i>		
<i>TcACT</i> (Actin)	GCTCCAGCTTGGAGAAGTCCTAC	AATTAGCGCCACTATTCAGAACTC
<i>TcTEF</i> (Translation elongation factor)	GAGACTGGTGTCTCAAGCC	GACCTGAGCGGTGAAAGAAG
<i>TcEDG</i> (Endoglucanase)	CTATCATCGTACGTGTCTCGACTAA	TCCTTTGTTGTCTCGTAGATAGTTG
<i>Cylindrocarpon destructans</i>		
<i>CdIGS</i> (Intergenic spacer)	GCTACCCTATAGCGCAGGTG	CCGTAAGGCTGAAGAGTCA