

Table S1 Verification primers for deletion vectors, complementation vectors, and mutants.

Primer Name	Sequence(5'-3')	Note
<i>PdStuA</i> -DF	CATGCATGGTTGCCTAACTAGGCGCGCCTCGGTCGGAGTTCTCTTT	<i>PdStuA</i> deletion
<i>PdStuA</i> -DR	GTAAAACGACGGCCAGTGCCAAGCTTGTGGTCTACGATGTGGTTATG	
<i>PdStuA</i> -UF	ATGACCATGATTACGAATTCGAGCTCAGCCAGAAATAGTATCCCAC	
<i>PdStuA</i> -UR	ATGCGGCTCCACAGCTGCAGGTCGACGCTGGATAGATGACGTTTGA	
<i>PdStuA</i> -F	ATGACCATGATTACGAATTCGAGCTCAGCCAGAAATAGTATCCCAC	<i>PdStuA</i> complementation
<i>PdStuA</i> -R	CTCCACAGCTGCAGGTCGACTCTAGAGTAGCAGAAGCAGACGCAAC	
<i>PdStuA</i> -F	TGTGCCTGTCAACGAGCCTA	PCR identification of deletion transformants
<i>PdStuA</i> -R	AGAGTGGGTACAAGAGGTCG	
<i>Hph</i> -F	ATTTGTGTACGCCCAGAGT	
<i>Hph</i> -R	CTCTCGGAGGGCGAAGAATC	
<i>neo</i> -F	ATGATTGAACAAGATGGATTG	
<i>neo</i> -R	GCTCAGAAGAACTCGTCAAGAAG	

Table S2 RT-qPCR primers used in this study.

Gene ID	Gene description	Primer Name	Sequence(5'-3')	Amplicon size	Note
PDIP_18200	Actin, gamma	<i>Actin</i> -F	TCCACTACTGCCGAGCGTGAAAT	218 bp	
		<i>Actin</i> -R	CCGCCAGACTCAAGACCAAGAAC		
PDIP_46840	APSES transcription factor <i>stuA</i>	<i>StuA</i> -R	ACCATCTGGCTCTCAGCAAC	183 bp	
		<i>StuA</i> -F	AGATGGATGGTGCCCACAAG		
PDIP_05330	Regulatory protein <i>brlA</i>	<i>BrlA</i> -R	CTGCTCAGGTCCAACCATATC	202 bp	
		<i>BrlA</i> -F	AGCTGGAACCTCTTCTTGGAATC		
PDIP_20340	Abacus	<i>AbaA</i> -R	TCCTATGGGTCGGAGAAAAGT	219 bp	
		<i>AbaA</i> -F	GCTGAGCCATGAACACTAGAT		
PDIP_44350	Developmental regulatory protein <i>WetA</i>	<i>WetA</i> -F	CCAAAGCAAGAATGGCGTATC	201 bp	conidiophore-related gene expression
		<i>WetA</i> -R	GATAGAGTCTTGCGTCGTACTG		
PDIP_53340	Hydrophobin, putative	<i>RodA</i> -R	GCAACACTGACGTTTCGCTTC	136 bp	
		<i>RodA</i> -F	CCAGAGTTGATGTCCGGTGGT		
PDIP_56430	CAMP-dependent protein kinase pathway protein (<i>Som1</i>)	<i>Som1</i> -R	TCTAGCTCGCAACAGCAACA	176 bp	
		<i>Som1</i> -F	ACAGAGCCTTCAAGACGTGG		
PDIP_77720	Catalase-peroxidase 1	<i>katG</i> -R	TGTCGGAAGCGAGCCCGAAG	205 bp	
		<i>katG</i> -F	GTTCGCACCAGCGGGACTCT		
PDIP_63740	Catalase	<i>CAT</i> -R	CGCCTGGGCGGAAACTACGA	195 bp	
		<i>CAT</i> -F	GATGACCGCGCCAGACCACT		
PDIP_05940	Catalase	<i>catA</i> -R	CCGAGATCGAGCAAGCGGCA	200 bp	CAT-related gene expression
		<i>catA</i> -F	GGTTCCCATACCGTCGCGCT		
PDIP_67580	Catalase B	<i>catB</i> -R	GCAACGATCTCGCCGTTCGC	202 bp	
		<i>catB</i> -F	GCAGACTGCAACTTCGCGCC		
PDIP_49640	Transcription factor (<i>Snd1/p100</i>) (Cu/Zn)	<i>Snd1</i> -R	CGTGAGGTGGCTACTGTTGT	168 bp	
		<i>Snd1</i> -F	CATTCCACGGCCTTCCTTCT		
PDIP_43140	Superoxide dismutase (Mn)	<i>sod1</i> -R	AGACATCGCTGCTCAGATCG	149 bp	SOD-related gene expression
		<i>sod1</i> -F	AGTCAATGGCTTGTGCCAGA		

PDIP_70880	Fe superoxide dismutase (Fe)	<i>sod2</i> -R	CGTTCGACTTCTCCTGGACC	159 bp	
		<i>sod2</i> -F	CATCCGCATCGACGGTATCA		
PDIP_66470	Superoxide dismutase (Mn/Inorganic ion transport)	<i>Sod3</i> -R	TGAGTGCGTGGTATGTCTCG	151 bp	
		<i>Sod3</i> -F	TCGTCGCCAGCATCAGTATC		
PDIP_07640	Chitin synthase A	<i>ChsA</i> -R	GCCGAAAAACTGCCCTCCGC	195 bp	
		<i>ChsA</i> -F	GACGGCACTGCGGAATCCCT		
PDIP_15450	Chitin synthase B	<i>ChsB</i> -R	ACGCGCGAGACCGAGTTGTT	206 bp	
		<i>ChsB</i> -F	TTCAGCGTACGCGGGTGGAC		
PDIP_79220	Chitin synthase, putative	<i>Chs2</i> -R	TATGCCACAGGCGGGTGCTC	204 bp	
		<i>Chs2</i> -F	GTGCTGGCGGGTCGAGAGAG		
PDIP_26990	Chitin synthase D	<i>ChsD</i> -R	CCGCAGGACGTGGAACCCT	198 bp	Chitin synthase-related gene expression
		<i>ChsD</i> -F	TTCTGCTGGGTGGGTGAGCC		
PDIP_03360	Chitin synthase F	<i>ChsF</i> -R	AGTGGTAGCGGGGAACCCT	192 bp	
		<i>ChsF</i> -F	CTGCCATTTCAGGCGGAGGCT		
PDIP_46630	Chitin synthase G	<i>ChsG1</i> -R	TCTGTTTCAGCAGCAAGCGTA	144 bp	
		<i>ChsG1</i> -F	GTAGCGACGTAGGGAATCGG		
PDIP_24450	Chitin synthase G	<i>ChsG2</i> -R	CACCGCCCCCTTCCTACCACG	198 bp	
		<i>ChsG2</i> -F	GCATATCTGCGCAAGCCGCC		
PDIP_20480	Chitotriosidase-1	<i>Chi1</i> -R	GGAATCTGTGCTCTGGGACC	141 bp	
		<i>Chi1</i> -F	CCCAAGCATGAGCGGTAGAT		
PDIP_53900	Endochitinase 2	<i>Chi2</i> -R	AGTTCCAAACCTACCAGCGG	151 bp	
		<i>Chi2</i> -F	AAGAGGAAGGCAAGCCAGTC		
PDIP_53760	Class III chitinase	<i>CTS3</i> -R	GGCTTTGACTACCGTGAAC	204 bp	
		<i>CTS3</i> -F	CTTCTCCTGGGACACATAACC		
PDIP_48740	Class III chitinase	<i>Chi3</i> -R	CCACATCTGCCGAGACAACT	153 bp	Chitinase-related gene expression
		<i>Chi3</i> -F	GGTCGTTGCCGAGGATAGAG		
PDIP_45890	Chitinase	<i>Chi</i> -R	GTATGGCCGAGCGTTTACT	205 bp	
		<i>Chi</i> -F	CGCAATCTCAGGCGTATCA		
PDIP_83360	Class V chitinase	<i>Chi5a</i> -R	GCTGCGGCACACAATTATC	202 bp	
		<i>Chi5a</i> -F	CCAAGAAGGATCGTCCGTAAA		

PDIP_29770	Class V chitinase	<i>Chi5b</i> -R	GACTGGGTGGTGGTATGTGG	166 bp
		<i>Chi5b</i> -F	TTGGCATACTTGCTCTCGGG	

Note: The following RT-qPCR program was used: 1 cycle of 95 °C for 2 min; 40 cycles of 95 °C for 15 s, 60 °C for 1 min.