

Supplementary Table S1. Fungal isolates sampled from different plant parts in this study and identified to species by molecular methods.

Isolate Designation	Fungal Species Identified	Infected Plant Tissue	Isolation Season ^a	Primers ^b			
				ITS 4-5	EF1	RPB2	IGS
1A	<i>Fusarium solani</i>	Stem	Summer	+	+	-	-
2A	<i>Fusarium solani</i>	Stem	Summer	+	+	-	-
3A	<i>Fusarium keratoplasticum</i>	Stem	Summer	+	+	-	-
4A	<i>Fusarium keratoplasticum</i>	Stem	Summer	+	+	-	-
5A	<i>Fusarium petrophilum</i>	Stem	Summer	+	+	-	-
6A	<i>Fusarium oxysporum</i>	Stem	Summer	+	+	-	-
7A	<i>Fusarium oxysporum</i>	Stem	Summer	+	+	-	-
10A	<i>Fusarium equiseti</i>	Inflorescence	Autumn	+	+	-	-
16A	<i>Trichothecium roseum</i>	Stem	Autumn	+	-	-	-
17A	<i>Trichothecium roseum</i>	Inflorescence	Autumn	+	-	-	-
19A	<i>Lasiodiplodia theobromae</i>	Root	Autumn	+	-	-	-
20A	<i>Lasiodiplodia theobromae</i>	Stem	Autumn	+	-	-	-
21A	<i>Lasiodiplodia theobromae</i>	Root	Autumn	+	-	-	-
22A	<i>Alternaria alternata</i>	Root	Autumn	+	+	+	-
23A	<i>Alternaria alternata</i>	Inflorescence	Autumn	+	+	+	-
24A	<i>Alternaria alternata</i>	Inflorescence	Autumn	+	+	+	-
25A	<i>Penicillium citrinum</i>	Inflorescence	Autumn	+	-	-	-
26A	<i>Cladosporium</i> sp.	Inflorescence	Autumn	+	-	-	-
27A	<i>Alternaria botrytis</i>	Inflorescence	Winter	+	+	+	-
28A	<i>Alternaria chlamydospora</i>	Inflorescence	Winter	+	+	+	-

29B	<i>Chaetomium globosum</i>	Leaves	Autumn	+	-	-	-
29C	<i>Alternaria alternata</i>	Leaves	Autumn	+	+	+	-
30A	<i>Alternaria alternata</i>	Inflorescence	Autumn	+	+	+	-
31A	<i>Alternaria</i> sp.	Leaves	Autumn	+	+	+	-
31B	<i>Alternaria alternata</i>	Leaves	Autumn	+	+	+	-
32A	<i>Cladosporium</i> sp.	Inflorescence	Autumn	+	-	-	-
33A	<i>Alternaria</i> sp.	Inflorescence	Autumn	+	+	+	-
33B	<i>Penicillium steckii</i>	Inflorescence	Autumn	+	-	-	-
34B	<i>Aspergillus flavus</i>	Leaves	Autumn	+	-	-	-
35A	<i>Cladosporium halotolerans</i>	Leaves	Autumn	+	-	-	-
35B	<i>Acremonium</i> sp.	Leaves	Autumn	+	-	-	-
36A	<i>Alternaria alternata</i>	Leaves	Autumn	+	+	+	-
36B	<i>Cladosporium cladosporioides</i>	Leaves	Autumn	+	-	-	-
37Ass2	<i>Alternaria</i> sp.	Leaves	Autumn	+	+	+	-
38B	<i>Alternaria</i> sp.	Leaves	Autumn	+	+	+	-
39A	<i>Sordaria</i> sp.	Leaves	Autumn	+	-	-	-
39B	<i>Alternaria alternata</i>	Leaves	Autumn	+	+	+	-
42A	<i>Cladosporium sphaerospermum</i>	Leaves	Autumn	+	-	-	-
43A	<i>Alternaria</i> sp.	Leaves	Autumn	+	+	+	-
44A	<i>Trichoderma harzianum</i>	Stem	Autumn	+	-	-	-
45A	<i>Trichoderma hamatum</i>	Root	Autumn	+	-	-	-
45Aparp	<i>Trichoderma hamatum</i>	Root	Autumn	+	-	-	-
46A	<i>Cladosporium</i> sp.	Root	Autumn	+	-	-	-
47A	<i>Alternaria alternata</i>	Leaves	Autumn	+	+	+	-
48A	<i>Trichoderma harzianum</i>	Root	Autumn	+	-	-	-
49A	<i>Aspergillus flavus</i>	Inflorescence	Autumn	+	-	-	-

49B	<i>Trichoderma harzianum</i>	Inflorescence	Autumn	+	-	-	-
53A	<i>Aspergillus niger</i>	Inflorescence	Winter	+	-	-	-
54A	<i>Botrytis cinerea</i>	Inflorescence	Spring	+	-	-	-
55A	<i>Alternaria alternata</i>	Leaves	Spring	+	+	+	-
56A	<i>Botrytis cinerea</i>	Inflorescence	Spring	+	-	-	-
57A	<i>Sclerotinia sclerotiorum</i>	Inflorescence	Spring	+	-	-	-
59A	<i>Stemphylium vesicarium</i>	Root	Spring	+	-	-	-
59B	<i>Alternaria alternata</i>	Root	Spring	+	+	+	-
59C	<i>Trichoderma citrinoviride</i>	Root	Spring	+	-	-	-
61A	<i>Alternaria</i> sp.	Inflorescence	Spring	+	+	+	-
62A	<i>Fusarium oxysporum</i>	Inflorescence	Spring	+	+	-	+
63A	<i>Botrytis cinerea</i>	Inflorescence	Spring	+	-	-	-
63B	<i>Stemphylium vesicarium</i>	Inflorescence	Spring	+	-	-	-
64A	<i>Fusarium oxysporum</i>	Inflorescence	Spring	+	+	-	-
64B	<i>Fusarium oxysporum</i>	Inflorescence	Spring	+	+	-	+
65A	<i>Botrytis cinerea</i>	Inflorescence	Spring	+	-	-	-
68-1A	<i>Alternaria alternata</i>	Inflorescence	Spring	+	+	+	-
68A	<i>Alternaria alternata</i>	Inflorescence	Summer	+	+	+	-
69-2A	<i>Alternaria alternata</i>	Inflorescence	Summer	+	+	+	-
70A	<i>Fusarium oxysporum</i>	Stem	Summer	+	+	-	-
71B	<i>Aspergillus westerdijkiae/ochraceus</i>	Inflorescence	Summer	+	+	-	-
73B	<i>Aspergillus fumigatus</i>	Inflorescence	Summer	+	-	-	-
75A	<i>Fusarium oxysporum</i>	Inflorescence	Summer	+	+	-	-
77A	<i>Alternaria</i> sp.	Inflorescence	Summer	+	+	+	-
84A	<i>Alternaria alternata</i>	Leaves	Summer	+	+	+	-

85A	<i>Fusarium solani</i>	Stem	Summer	+	+	-	-
86B	<i>Fusarium verticillioides</i>	Stem	Summer	+	+	-	-
99A	<i>Fusarium proliferatum</i>	Stem	Summer	+	+	-	-
106A	<i>Aspergillus fumigatus</i>	Inflorescence	Autumn	+	-	-	-
106B	<i>Fusarium equiseti</i>	Inflorescence	Autumn	+	+	-	-
107C	<i>Alternaria alternata</i>	Inflorescence	Autumn	+	+	+	-
108B	<i>Fusarium oxysporum</i>	Inflorescence	Autumn	+	+	-	-
109A-1	<i>Fusarium solani</i>	Stem	Autumn	+	+	-	-
109A-2	<i>Fusarium solani</i>	Stem	Autumn	+	+	-	-
109A-3	<i>Fusarium solani</i>	Stem	Autumn	+	+	-	-
109A-4	<i>Fusarium falciforme</i>	Stem	Autumn	+	+	-	-
110A	<i>Penicillium olsonii</i>	Inflorescence	Autumn	+	-	-	-
111A	<i>Botrytis cinerea</i>	Inflorescence	Autumn	+	-	-	-
112A	<i>Fusarium brachygibbosum</i>	Inflorescence	Autumn	+	-	-	-
114A	<i>Fusarium brachygibbosum</i>	Inflorescence	Autumn	+	-	-	-
116A	<i>Sclerotinia sclerotiorum</i>	Inflorescence	Winter	+	-	-	-
117A	<i>Alternaria alternata</i>	Leaves	Winter	+	+	+	-
118A	<i>Cladosporium cladosporioides</i>	Leaves	Winter	+	-	-	-
119B	<i>Cladosporium cladosporioides</i>	Leaves	Winter	+	-	-	-
119D	<i>Chaetomium madrasense</i>	Leaves	Winter	+	-	-	-
119E	<i>Petriella sordida</i>	Leaves	Winter	+	-	-	-
120A	<i>Petriella sordida</i>	Leaves	Winter	+	-	-	-
120B	<i>Petriella sordida</i>	Leaves	Winter	+	-	-	-
121A	<i>Arthrinium guizhouense</i>	Inflorescence	Spring	+	-	-	-

122A	<i>Petriella sordida</i>	Inflorescence	Spring	+	-	-	-
138A	<i>Aspergillus niger</i>	Inflorescence	Winter	+	-	-	-
139A	<i>Fusarium equiseti</i>	Inflorescence	Winter	+	+	-	-
140A	<i>Alternaria alternata</i>	Inflorescence	Winter	+	+	+	-
141A	<i>Penicillium citrinum</i>	Inflorescence	Winter	+	-	-	-
142A	<i>Aspergillus flavus</i>	Inflorescence	Winter	+	-	-	-

^a Seasons were determined as follows, Summer (June-August), Autumn (September-November), Winter (December-February) and Spring (March-May). ^b + Tested with appropriate primers, - not tested.