

Supplementary Table S1: Details of forty-five different HFBII from different fungal sources used in the study.

Serial No	Fungal Name	Protein name	Gene	Accession number	Sequence Length (aa)
1	<i>Botrytis cinerea</i> <i>BcDW1</i>	Hydrophobin class II	<i>N/A</i>	EMR84211.1	120
2	<i>Botrytis cinerea</i>	Hydrophobin class II	<i>Bhp2</i>	CCD47622.1	98
3	<i>Botrytis cinerea</i> <i>T4</i>	Hydrophobin class II	<i>Bhp3</i>	CCD49285.1	98
4	<i>Botrytis fragariae</i>	Hydrophobin class II	<i>N/A</i>	XP_037187260.1	98
5	<i>Cadophora</i> sp. <i>DSE1049</i>	Hydrophobin class II	<i>Bhp2</i>	PVH84708.1	95
6	<i>Cercospora beticola</i>	Cryparin	<i>N/A</i>	XP_023448514.1	102
7	<i>Clonostachys rosea</i>	Hydrophobin class II	<i>N/A</i>	AHL20218.1	98
8	<i>Colletotrichum camelliae</i>	cerato-ulmin	<i>N/A</i>	KAH0440693.1	103
9	<i>Colletotrichum fruticola</i>	Cryparin	<i>CRP</i>	KAF4898778.1	97
10	<i>Colletotrichum liriopes</i>	Cryparin	<i>N/A</i>	GJC80504.1	99
11	<i>Colletotrichum sidae</i>	Cryparin	<i>CRP</i>	TEA18123.1	98
12	<i>Colletotrichum spaethianum</i>	Cryparin	<i>N/A</i>	XP_049133698.1	99
13	<i>Colletotrichum viniferum</i>	Cryparin	<i>CRP</i>	KAF4902232.1	97
14	<i>Cryphonectria parasitica</i> <i>EP155</i>	Cryparin	<i>CRP</i>	XP_040773037.1	118
15	<i>Diaporthaceae</i> sp. <i>PMI_573</i>	Cryparin	<i>N/A</i>	KAH8763703.1	106
16	<i>Diaporthaceae</i> sp. <i>PMI_573</i>	cerato-ulmin	<i>CU</i>	KAH8785973.1	99
17	<i>Diaporthe ampelina</i>	cerato-ulmin	<i>N/A</i>	KKY33170.1	115
18	<i>Elsinoe australis</i>	cryparin	<i>N/A</i>	TKX25784.1	97
19	<i>Fulvia fulva</i>	cryparin	<i>N/A</i>	XP_047765241.1	88
20	<i>Fusarium avenaceum</i>	cerato-ulmin	<i>N/A</i>	KAH6952921.1	98
21	<i>Fusarium oxysporum</i>	cerato-ulmin	<i>N/A</i>	KAH7211526.1	98
22	<i>Fusarium oxysporum</i> <i>f. sp. cubense</i>	cerato-ulmin	<i>CU</i>	TVY61978.1	100
23	<i>Fusarium oxysporum</i> <i>f. sp. raphani</i>	cerato-ulmin	<i>CU</i>	KAG7411596.1	100
24	<i>Fusarium redolens</i>	cerato-ulmin	<i>N/A</i>	XP_046050534.1	98

25	<i>Fusarium solani</i>	cerato-ulmin	<i>N/A</i>	XP_046128069.1	96
26	<i>Fusarium tricinctum</i>	cerato-ulmin	<i>N/A</i>	KAH7242123.1	98
27	<i>Geosmithia langdonii</i>	Hydrophobin class II	<i>geol</i>	CDK12896.1	105
28	<i>Geosmithia pallida</i>	Hydrophobin class II	<i>geol</i>	CDK12887.1	112
29	<i>Lasiodiplodia theobromae</i>	cerato-ulmin	<i>CU_0</i>	KAB2579811.1	91
30	<i>Leotiomycetes</i> sp. MPI-SDFR-AT-0126	Hydrophobin class II	<i>Bhp2</i>	KAH7395885.1	95
31	<i>Leptodontidium</i> sp. 2 PMI_412	Hydrophobin class II	<i>Bhp2</i>	KAH9224057.1	95
32	<i>Microdochium bolleyi</i>	cerato-ulmin	<i>N/A</i>	KXJ87464.1	111
33	<i>Microdochium trichocladiopsis</i>	cerato-ulmin	<i>N/A</i>	XP_046013164.1	109
34	<i>Nemania diffusa</i>	cerato-ulmin	<i>N/A</i>	KAI1145110.1	100
35	<i>Nemania serpens</i>	cerato-ulmin	<i>N/A</i>	KAI1161130.1	99
36	<i>Ophiostoma quercus</i>	cerato-ulmin	<i>N/A</i>	ABR15767.1	99
37	<i>Ophiostoma ulmi</i>	cerato-ulmin	<i>CU</i>	AAB41284.1	100
38	<i>Pseudocercospora fuligena</i>	Cryparin	<i>N/A</i>	KAF7195398.1	85
39	<i>Rhexocercosporidium</i> sp. MPI-PUGE-AT-0058	Hydrophobin class II	<i>Bhp2</i>	KAH7360233.1	95
40	<i>Ustilina deusta</i>	cerato-ulmin	<i>N/A</i>	KAI3335996.1	140
41	<i>Valsa mali</i>	Cryparin	<i>N/A</i>	KUI69349.1	105
42	<i>Verticillium alfalfae</i> VaMs.102	Hydrophobin class II	<i>N/A</i>	XP_003002035.1	99
43	<i>Verticillium dahliae</i>	Hydrophobin class II	<i>VDH1</i>	AAY89101.1	99
44	<i>Verticillium dahliae</i> VdLs.17	cerato-ulmin	<i>N/A</i>	XP_009650899.1	98
45	<i>Xylogone</i> sp. PMI_703	Hydrophobin class II	<i>Bhp2</i>	KAH8809275.1	93