

**Table S11:** Gene and protein features of *Fusarium graminearum* (A) and *Fusarium solani* (B) encoded genes homologous to that of the *Fusarium circinatum* (FSP34) genes investigated in this study.

<b>A</b>								
<i>F. circinatum</i>	FCIRG_04562	FCIRG_04560	FCIRG_04554	FCIRG_04553	FCIRG_04552	FCIRG_04551	FCIRG_04550	
<i>F. graminearum</i>	FGSG_02084	FGSG_07668	FGSG_12407	FGSG_09257	FGSG_01593	FGSG_08507	FGSG_10131	
Location and position (bp)	Supercontig_3.1 6 819 541-6 820 559	Supercontig_3.44 134 297-4 135 965	Supercontig_3.23 163 166-3 164 215	Supercontig_3.6 935 923-937 595	Supercontig_3.15 249 420-5 250 965	Supercontig_3.51 615 939-1 616 359	Supercontig_3.7 942 631-944 083	
Strand	-	+	+	-	+	-	-	
Number of exons	3	2	1	2	4	2	2	
<b>B</b>								
<i>F. circinatum</i>	FCIRG_04563	FCIRG_04562	FCIRG_04560	FCIRG_04554	FCIRG_04553	FCIRG_04552	FCIRG_04550	FCIRG_04549
<i>F. solani</i>	e_gw1.9.283.1	Scaffold_15	e_gw1.69.10.1	Scaffold 120 unmapped000001	e_gw1.120.8.1	Scaffold 8 chromosome 1_1_00358	e_gw1.2.1103.1	e_gw1.5.1409.1
Location and position (bp)	Scaffold 9 Chromosome 7_10_1 013 498-1 015387	Scaffold 15 Chromosome 12_5_77 554-78 520	Scaffold 69 Chromosome 11_6_12 203-13 867	Scaffold 120 4 241-5 449	Scaffold_120 5 874-7 416	scaffold_8 Chromosome 1_1_568 236-569 835	Scaffold_2_Chromosome_3_3_1 181 703-1 182 113	Scaffold_5_ Chromosome_5_3_1 150 698-1 151 786
Strand	-	-	+	+	-	+	+	+
Number of exons	1	2	2	1	4	4	2	2