

Table S11**PFAM domain depletion in *S. sclerotiorum* and *B. cinerea*. ***

Species are abbreviated as: Ss: *S. sclerotiorum*; Bc: *B. cinerea* (strain B05.10 or T4); Bg : *B. graminis*; Pn: *P. nodorum*.; Pt : *P. teres f. teres*; Gz: *G. zeae*; Mo: *M. oryzae*; Nc: *N. crassa*; An: *A. niger*. Plant pathogenic species are marked in grey shading, with necrotrophs in dark grey, and (hemi)-biotrophs in light grey.

domain	description	Ss	BcB05.10	BcT4	Bg	Pn	Pt	Gz	Mo	Nc	An	Total	pval	qval
PF00035.19	Double-stranded RNA binding	0	0	0	1	3	1	1	1	2	1	10	7	0
PF08574.4	Domain of unknown function DUF1762	0	0	0	1	1	1	2	1	1	1	8	7	0
PF11374.2	Domain of unknown function DUF3176	0	0	0	0	2	4	3	5	6	3	23	6	0
PF11785.2	Aft1 osmotic stress response	0	0	0	1	0	1	1	1	1	1	6	6	0
PF01436.15	NHL repeat	0	0	0	0	1	1	1	0	1	1	5	5	0
PF02417.9	Chromate transporter	0	0	0	0	0	1	1	1	1	1	5	5	0
PF02615.8	Malate/L-lactate dehydrogenase	0	0	0	0	1	1	0	1	1	1	5	5	0
PF03088.10	Strictosidine synthase	0	0	0	0	1	1	1	1	1	0	5	5	0
PF04182.6	B-block binding subunit of TFIIC	0	0	0	0	1	0	1	1	1	1	5	5	0
PF04303.7	PrpF protein	0	0	0	0	4	2	1	0	2	1	10	5	0
PF04927.6	Seed maturation protein	0	0	0	0	1	1	0	1	1	1	5	5	0
PF05406.9	WGR domain	0	0	0	0	1	1	1	0	1	1	5	5	0
PF05572.7	Pregnancy-associated plasma protein-A Merops family M43	0	0	0	0	0	3	2	1	2	1	9	5	0
PF06632.6	DNA double-strand break repair and V(D)J recombination protein XRCC4	0	0	0	0	1	1	1	1	0	1	5	5	0
PF07335.5	Fungal chitosanase	0	0	0	0	1	1	1	1	1	0	5	5	0

PF09056.5	Prokaryotic phospholipase A2	0	0	0	0	0	1	2	1	1	1	6	5	0
PF09347.4	Domain of unknown function DUF1989	0	0	0	0	1	2	1	0	2	2	8	5	0
PF09724.3	Domain of unknown function DUF2036	0	0	0	1	1	1	2	0	1	0	6	5	0
PF10306.3	Hypothetical protein FLILHELTA	0	0	0	0	0	1	1	1	1	1	5	5	0
PF10346.3	Conidiation protein 6	0	0	0	0	0	1	1	1	1	1	5	5	0
PF10496.3	SNARE-complex protein Syntaxin-18 N-terminus	0	0	0	1	1	1	1	0	0	1	5	5	0
PF01048.14	Phosphorylase superfamily	1	0	1	2	14	10	9	3	1	2	43	9	1.56E-07
PF00082.16	Subtilase family	8	7	4	5	8	30	26	7	11	11	117	10	1.05E-06
PF02225.16	PA domain	2	2	1	1	0	11	12	4	6	6	45	9	4.32E-05
PF04082.12	Fungal specific transcription factor domain	69	80	81	16	129	187	74	46	52	52	786	10	7.88E-05
PF00703.15	Glyco_hydro_2	1	2	1	0	1	10	6	4	7	5	37	9	0.000134
PF05922.10	Peptidase inhibitor I9	2	2	0	2	1	11	6	5	3	4	36	9	0.000192
PF02837.12	Glycosyl hydrolases family 2, sugar binding	2	2	1	0	1	10	6	4	7	5	38	9	0.000481
PF06280.6	Fn3-like domain (DUF1034)	1	1	0	0	0	2	12	1	1	3	21	7	0.001246
PF04616.8	Glycosyl hydrolases family 43	5	6	4	0	4	17	16	3	10	8	73	9	0.001776
PF00172.12	Fungal Zn(2)-Cys(6) binuclear cluster domain	70	85	114	20	117	204	109	58	36	53	866	10	0.002387
PF12874.1	Zinc-finger of C2H2 type	4	4	1	3	4	7	5	8	8	5	49	10	0.00258
PF02655.8	ATP-grasp domain	0	0	1	1	1	2	3	3	1	1	13	8	0.003323
PF00001.15	7 transmembrane receptor (rhodopsin family)	0	1	0	1	1	5	4	1	0	0	13	6	0.003323
PF03936.10	Terpene synthase family, metal binding domain	0	2	1	0	5	6	8	0	0	1	23	6	0.003729

* Domains listed which are found in at least 5 of the searched species.