**Table S7.** PFAM domains that are expanded in the genome of *Mycosphaerella graminicola* relative to those of five other Ascomycetesa but not the two plant-pathogenic Stramenopilesb.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Mgram | Snod | Fgram | Moryz | Trees | Ncra | Pram | Psoj | Domain function |
| PF00560 | 16 | 14 | 14 | 12 | 14 | 15 | 84 | 100 | LRR\_1 |
| PF07728 | 16 | 13 | 12 | 13 | 11 | 12 | 33 | 34 | AAA\_5 |
| PF00043 | 14 | 10 | 7 | 4 | 9 | 4 | 12 | 19 | GST\_C |
| PF00450 | 13 | 10 | 9 | 6 | 5 | 4 | 14 | 16 | Peptidase\_S10 |
| PF00230 | 10 | 8 | 5 | 6 | 7 | 1 | 29 | 32 | MIP |
| PF00557 | 10 | 9 | 9 | 8 | 9 | 7 | 11 | 11 | Peptidase\_M24 |
| PF04055 | 9 | 8 | 7 | 5 | 7 | 5 | 12 | 12 | Radical\_SAM |
| PF00782 | 8 | 7 | 6 | 5 | 6 | 5 | 17 | 23 | DSPc |
| PF01553 | 8 | 6 | 5 | 6 | 5 | 5 | 12 | 10 | Acyltransferase |
| PF01590 | 6 | 4 | 3 | 4 | 3 | 4 | 31 | 32 | GAF |
| PF01757 | 6 | 2 | 1 | 2 | 1 | 2 | 10 | 14 | Acyl\_transf\_3 |
| PF00520 | 4 | 2 | 2 | 2 | 3 | 2 | 40 | 61 | Ion\_trans |
| PF03330 | 4 | 1 | 2 | 2 | 2 | 1 | 13 | 12 | DPBB\_1 |

a Species abbreviations for Ascomycetes: Mgram, *M. graminicola*; Snod, *Stagonospora nodorum*; Fgram, *Fusarium graminearum*; Moryz, *Magnaporthe oryzae*; Trees, *Trichoderma reesei*; and Ncra, *Neurospora crassa*.

b Species abbreviations for Stramenopiles: Pram, *Phytophthora ramorum*; Psoj, *P. sojae*.