

Table S2. Distribution of putative homologues of 26 *Magnaporthe oryzae*-specific transcription factor genes analyzed using Blast Matrix and InParanoid algorism

TF families	Protein Name	Kingdom	Cn omi sta	Fungi																				Metazoa				No orthologue found by InParanoid						
				Phylum	Oomycota	Ascomycota										Basidiomycota						Blastocladiomyces reesii	Chytridiomyces cota	Microsporidia	Zygomycota	Arthropoda	Chordata	Nematoda	Streptoph					
						Saccharomyces cerevisiae		Eurotiomycetes		Eurotiomycetes		Leotiomycetes		Sordariomycetes						Acaricomycetes	Heterobasidion annosum	Not defined	Ustilago maydis	Blastocladiomyces reesii	Not defined			Insecta	Mammalia	Chloromycetidae	Liliopsida	Eurosid II		
		Species	PI	Pi	Cas	Sc	Sp	Mgr	Sn	Af1	An	Bc	Fg	Fol	Fs	Mo	Nc	Pa	Tr	Vd	Ds	Ha	Pc	Cn	Pg	Um5	Am	BdJ	Ecu	Pbl	Ro	Dm	Hs	Ce
Zn2Cys6	MGG_00021.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MGG_00021.6	
	MGG_02600.6	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_02600.6	
	MGG_04326.6	-	-	-	-	±	±	±	±	±	±	±	±	±	±	-	±	±	±	-	±	-	±	-	-	-	-	-	-	-	-	-	-	MGG_04326.6
	MGG_04360.6	-	-	-	±	-	±	±	-	±	±	±	±	±	±	±	-	±	±	-	-	-	-	-	±	-	-	-	-	-	-	-	-	MGG_04360.6
	MGG_05845.6	-	-	-	-	-	-	-	-	-	-	-	-	±	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MGG_05845.6
MHG	MGG_02978.6	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_02978.6	
	MGG_02979.6	-	±	±	±	-	-	±	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_02979.6	
	MGG_04570.6	±	-	-	-	±	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_04570.6	
	MGG_05369.6	±	-	-	-	±	-	±	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_05369.6	
	MGG_07057.6	-	-	±	-	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_07057.6		
	MGG_07674.6	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_07674.6	
	MGG_09739.6	±	-	-	±	±	±	±	±	±	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_09739.6	
	MGG_13742.6	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_13742.6	
	MGG_15309.6	-	-	-	±	±	±	±	±	±	-	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_15309.6	
C2H2	MGG_14358.6	-	-	-	-	-	-	-	±	±	±	±	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MGG_14358.6
Homeodomain-like	MGG_09628.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MGG_09628.6	
	MGG_14987.6	-	-	-	-	-	-	-	-	-	-	-	±	±	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MGG_14987.6	
CCHC	MGG_01763.6	-	-	-	±	-	±	-	±	-	±	-	-	±	-	-	±	-	-	-	-	-	-	-	-	-	-	-	-	-	-	±	MGG_01763.6	
	MGG_08239.6	±	±	±	±	±	±	±	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_08239.6	
	MGG_15341.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MGG_15341.6
Winged helix repressor	MGG_15412.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MGG_15412.6
	MGG_03277.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MGG_03277.6
GATA	MGG_07423.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MGG_07423.6
	MGG_10970.6	-	±	±	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_10970.6	
GRF-type	MGG_08489.6	-	-	-	±	-	-	-	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	-	-	-	-	-	-	-	-	-	MGG_08489.6
mbda repressor-l	MGG_11615.6	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	±	MGG_11615.6	

Legend: [Blue Box]: 1e-100 ; [Blue Line]: 1e-50 ; [Blue Plus]: 1e-30 ; [Blue Minus]: 1e-10 ; [-]: None

*Abbreviation for fungal species and other organisms: Pi: *Phytophthora infestans*; Cas: *Candida albicans* SC5314; Sc: *Saccharomyces cerevisiae* S288C; Sp: *Schizosaccharomyces pombe*; Mgr: *Mycosphaerella graminicola*; Sn: *Stagonospora nodorum*; Af: *Aspergillus fumigatus* Af293; An: *Aspergillus nidulans* 4; Bc: *Botrytis cinerea*; Fg: *Fusarium graminearum*; Fol: *Fusarium oxysporum*; Fs: *Nectria haematocephala* (F. solani); Mo: *Magnaporthe oryzae* 70-15; Nc: *Neurospora crassa*; Pa: *Podospora anserina*; Tr: *Trichoderma reesei*; Vd: *Verticillium dahliae* VdLs.17; Ds: *Dichomitus squalens*; Ha: *Heterobasidion annosum*; Pc: *Phanerochaete chrysosporium*; Cn: *Cryptococcus neoformans* variety *gattii* (serotype A); Pg: *Puccinia graminis*; Um: *Ustilago maydis* 521; Am: *Allomyces macrogynus*; Bdj: *Batrachochytrium dendrobatidis* JAM81; Ec: *Encephalitozoon cuniculi*; Pbl: *Phycomyces blakesleeanus*; Ro: *Rhizopus oryzae*; Dm: *Drosophila melanogaster*; Hs: *Homo sapiens*; Ce: *Caenorhabditis elegans*; Osj: *Oryza sativa* japonica; Ath: *Arabidopsis thaliana*.