

Table S7. Protein families putatively involved in cell wall construction in *A. fumigatus* and comparisons with genomes from yeasts, other filamentous fungi and other eukaryotes. See also Figure S2.

	<i>A. fumigatus</i> (1)	Yeasts	Other moulds	Other eukaryotes
1) β1,3 glucan				
a) Synthase (catalytic subunit)	Afu6g12400	2-4	1	+
b) Hydrolase				
Endo β 1,3	Afu1g04260	1-5	1-2	+
	Afu5g14030	-	1-3	-
	P2.103.C2.750	-	1-3	-
	P2.129.C2.827	-	2-4	-
	P4.40.C4.235	0-1	1-7	-
Exo β 1,3 glucanase/ β glucosidase	P7.4.C4.201 + C3.304	-	3-6	-
	P4.55.C4.265	2-4	1-6	-
	P2.261.C2.793	2-5	1-2	-
	P2.156.C2.849	0-4	1-3	-
	P15.2.C3.287	0-5	8-27	-
	P15.2.C6.93	0-5	8-27	-
	P15.2.C6.91	0-5	8-27	-
c) Transferases and other proteins associated with β 1,3 glucan remodelling				
	P7.2.C7.73	4-6	3-7	-
	P2.85.C2.722	1-4	1-4	-
	P5.17.C5.169	0-4	4-7	-
	P7.14.C7.84	2-5	5-10	-
	Afu4g06820	1-4	1	-
2) α1,3 glucan				
a) Synthase	P3.17.C3.369	0-5(2)	0-3	-
b) Hydrolase	P9.3.C9.53	0-2(2)	0-8	-
3) Chitin				
a) Synthase	P30.C4.207	2-3	3-7	+
	P30.C3.302	1-4	2-4	+
	Afu1g12600	-	1	-
b) Chitinase	P5.24.C5.178	1-3	2-6	+
	P12.3.C2.585	-	1-4	+
	P12.3.C4.198	0-1	4-7	+
	P12.3.C6.100	-	2-7	+
	Afu5g03850	-	1-2	-
4) Chitosan				
a) Chitosanase	P3.61.C3.451	-	1-2	-
	Afu3g14980	-	-	-
b) Chitin deacetylase	P2.172.C2.860	-	1-6	-
	P3.78.C3.390	-	1-2	-
5) Mannan				
Anchoring of O-Mannan	P3.90.C3.486	3-7	3	+
Anchoring of N-Mannan	P3.28.C3.389	1-5	3-6	-
α 1,2 mannosyltransferase	P2.304.C2.745	0-3	1-2	-
	P3.31.C3.395	4-7	3-5	-
	Afu2g14910 (3)	1-7	1-2	-

	Afu4g10750 (3)			
α 1,3 mannosyltransferase	Afu6g14480	4-6	3	-
α 1,6 mannosyltransferase	P3.112.C3.357	1-3	3	-
Mannosylphosphorylase	P2.122.C2.802	0-9	0-2	-

(1) P.n.m.C.p.q indicates a cluster with p homologs that belong to a superfamily composed of n genes. Unique proteins are identified with their Genome Locus Identifier.

(2) *S. pombe* only

(3) Singletons in *A. fumigatus* gathered in a C2 family in other species