

Supplementary Table 9 Comparison of fungal cell wall biosynthesis genes

	<i>A. niger</i>	<i>A. nidulans</i>	<i>A. fumigatus</i>	<i>A. oryzae</i>	<i>S. cerevisiae</i>	<i>N. crassa</i>
Beta-1,3-glucan synthesis						
Putative catalytic subunit beta1,3-glucan synthase complex; ScFks1-like	1	1	1	1	3	1
Putative 1,3-beta-glucanosyltransferase GH72; ScGas1-like	7	5	7	7	5	5
Putative beta-1,3-glucanosyltransferase GH17; ScBgl2-like	5	4	5	5	4	4
Putative transglycosidase of GH16-family; ScCrh1-like	7	5	5	7	5	5
Putative endo-beta-1,3-glucanase (GH81-family); ScEng1-like	1	1	1	1	1	1
Putative exo-beta-1,3-glucanase (GH5-family); ScExo1-like	4	5	4	4	3	1
Putative exo-beta-1,3-glucanase (GH55-family); CmCmt1-like	3	6	7	3	0	6
Alpha1,3-glucan synthesis						
Putative catalytic subunit alpha1,3-glucan synthase complex; SpAgs1-like	5	2	3	3	0	2
Putative GPI-anchored amylase-like protein (GH13-family) with possible function in alpha1,3-1,4-glucan processing	3	n.d.	n.d.	n.d.	0	n.d.
Putative alpha-1,3-glucanase GH71; SpAgn-like	7	5	8	8	0	6
Chitin synthesis						
Chitin synthases; ScChs1-like	7	7	6	9	3	6
Chitin synthase with myosin motor domain; EnCsmA-like	2	2	2	2	0	1
Chitinases						
Putative ClassIII Chitinase (GH18); ScCts1-like	2	2	5	3	1	2
Putative ClassV Chitinase (GH18); ScCts2-like	11	16	12	12	1	8
Dfg-family						
Putative endo-mannanase (GH76-family) with a possible role in GPI-CWP incorporation; ScDfg5-like	9	n.d.	n.d.	n.d.	2	n.d.

n.d.: not determined