

**a**

			<i>L. arvalis</i>	<i>T. ljabarskyi</i>	<i>A. elegans</i>	<i>T. reesei</i>
Laccase	CAZy	AA1		8	31	
Peroxidase	CAZy	AA2			3	
GMC ox	CAZy	AA3	93	100	277	
Glyoxal Oxidase	CAZy	AA5	3	3	53	
LPMO	CAZy	AA9		17	14	28
AXE	CAZy	CE1	18	38	11	
AXE	CAZy	CE5				3
AXE	CAZy	CE4		24		
Pectin methyl esterase	CAZy	CE8		7		
AXE	CAZy	CE12	7			
Glucuronoyl esterase	CAZy	CE15		18	7	61
Acetyl esterase	CAZy	CE16	86	63	6	
	CAZy	GH1		8		
	CAZy	GH2			19	
	CAZy	GH3		22	92	223
Endoglucanase	CAZy	GH5_5	360	78	32	189
Mannanase	CAZy	GH5_7	74	44	12	30
Endoglucanase	CAZy	GH5_9		50	5	
	CAZy	GH5_22		9		
	CAZy	GH5_31		15		
Endoglucanase	CAZy	GH6_3	221	407	321	457
CBH	CAZy	GH7	3187	732	1063	667
	CAZy	GH10	244	124	25	26
	CAZy	GH11				3
Endoglucanase	CAZy	GH12			4	2
	CAZy	GH13		45	8	14
	CAZy	GH15	69	63	196	14
	CAZy	GH16		71	4	
	CAZy	GH17		23		
Chitinase	CAZy	GH18	8	107	40	15
	CAZy	GH20		9		12
	CAZy	GH25	11			
	CAZy	GH27	13	58	21	15
	CAZy	GH28	33	44	27	7
	CAZy	GH30		9	19	74
	CAZy	GH31		56	47	
	CAZy	GH32			12	
	CAZy	GH35		7	9	
	CAZy	GH37		2	15	
	CAZy	GH38		5		
	CAZy	GH43	2	6		
Endoglucanase	CAZy	GH45	3			
	CAZy	GH47		4		17
Arabinofuranosidase	CAZy	GH51		13	161	
	CAZy	GH53	3		4	
	CAZy	GH54				54
1,3 glucanase	CAZy	GH55		17	178	12
	CAZy	GH67				6
	CAZy	GH71			2	23
glucanase	CAZy	GH72		16	25	
	CAZy	GH74	3	17	106	13
	CAZy	GH76	5			
	CAZy	GH79	3	21	2	
	CAZy	GH81				5
	CAZy	GH88	4	22		
	CAZy	GH92		2	31	
	CAZy	GH95			16	
	CAZy	GH125		12	15	
Endoglucanase	CAZy	GH131	59	24	35	
	CAZy	PL1	10			
	CAZy	PL14		2		
	CAZy	PL4	2			
	CAZy	PL8		11		

**b**

			<i>L. arvalis</i>	<i>T. ljabarskyi</i>	<i>A. elegans</i>	<i>T. reesei</i>
		EOG092C054Q		5		
DUF 1793		EOG092C0NN5		24	7	6
		EOG092C002U		6		
CBMs		EOG092C0QKI		2		
		EOG092CORA9		2		
		EOG092C0S6A		5		
		EOG092C0WE3		11		
		EOG092C0X43		10		
		EOG092C0ZTY				2
		EOG092C16ZC			5	
		EOG092C1961			26	
		EOG092C1A8T		10		
		EOG092C1COR				4
		EOG092C1JTO		8	37	
		EOG092C1MCY		10		
		EOG092C1OAH			3	
		EOG092C10QE	3			
		EOG092C1QG0				9
		EOG092C24LG		14	6	
		EOG092C27P8		6		
Expansin like		EOG092C29DI				51
		EOG092C29UI		2		
		EOG092C2BLD		45	17	
		EOG092C2FYK		2		
		EOG092C2FZ6		2	2	
		EOG092C2GA6			8	
		EOG092C2GR8		5		
		EOG092C2KQE		2	2	
		EOG092C2M3F				15
		EOG092C2O07			2	
		EOG092C2QHO	2			
		EOG092C2TSK			52	
		EOG092C2WO1		16		
		EOG092C2YBP		3		
		EOG092C2Z1I		6	8	
		EOG092C37EG		2		
		EOG092C38IO		25		
		EOG092C3HFR				2
		EOG092C3MFK		13		
		EOG092C3O57		9		
		EOG092C3O7T		4		
		EOG092C3OWP		36		
		EOG092C3WWO		13		9
Cip1		EOG092C40XS				77
		EOG092C430P	3			
		EOG092C43GH		2		
		EOG092C461M		8		
CBMs		EOG092C47A0		2		
		EOG092C48DX		2		
		EOG092C4EB8		5		
CBMs		EOG092C4FYI	3		2	
DUF 1996		EOG092C4H84		34		
		EOG092C4PGA		5		
		EOG092C4UGO		17		
		EOG092C4WLW		9		
		EOG092C51H9		4		
Expansin like		EOG092C54VK		5		
		EOG092C582L	8			
		EOG092C5ER9		2		
		EOG092C5UIX		2		
		EOG092C5Z7R		2		
		no group	2	95	26	

Figure S2. Abundance of CAZymes and unknown proteins in the fungal secretomes. Abundances were determined based on the number of peptides unambiguously identified by LC-MS/MS. (a) Abundance of peptides for each CAZyme, represented by increasing shades of orange. (b) Abundance of proteins of unknown function grouped by orthology groups. Ortholog clustering was performed by OrthoDB [58]. The abundance of peptides corresponding to each orthology cluster is represented by increasing shades of green.