

Table S1 Properties of the 44 ABC transporters in *Trichoderma asperellum*.

Gene name	Location of gene on chromosome	Protein ID	N	NI	AA	pI	MW (kDa)	AO CD	Multidomain in	Conserved Domain
<i>ABC 01</i>	scaf-fold_5:1330229-1335406(+)	26122	2	1	169	5.8	187.56	A-B	MRP	324-659,707-933,1156-1356,1403-1660
<i>ABC 02</i>	scaf-fold_3:1602050-1606909(-)	24492	1	0	161	8.9	176.23	B-C-B	Rim protein	471-694,1016-1137,1267-1482
<i>ABC 03</i>	scaf-fold_6:1245891-1250899(+)	57754	1	0	160	7.1	174.31	B-E-B	Rim protein	464-687,1003-1154,1250-1465
<i>ABC 04</i>	scaf-fold_7:566523-571800(+)	19355	4	3	158	6.0	174.09	A-B	CFTR	418-584,630-858,1033-1265,1153-1309
<i>ABC 05</i>	scaf-fold_15:669827-674943(+)	51252	4	3	115	7.6	173.56	A-B	MRP	317-590,638-840,988-

ABC 06	scaf-	17375 0	5	4	156 6	5. 79	172. 37	A-	MdlB	1257,1304-
	fold_11:638450-							B-		1537
	643615(+)							A-B		291-582,621-
ABC 07	scaf-	15993 0	3	2	125 0	6. 12	168. 32	A-	CFTR	845,1010-
	fold_2:2877202-							B-		1253,1295-
	2882351(+)							A-B		1539
ABC 08	scaf-	59384	15	14	152 8	5. 91	167. 1	A-	CFTR	315-582,627-
	fold_9:637077-							B-		827,921-
	643406(-)							A-B		1161,1249-
ABC 09	scaf-	38146	3	2	143 9	9. 75	164. 8	A-	MRP	1494
	fold_8:1749604-							B-		281-556,657-
	1754389(+)							A-B		855,946-
ABC 10	scaf-	45774 6	15	14	149 3	5. 92	163. 86	A-	MRP	1193,1280-
	fold_6:1669360-							B-		1511
	1674235(-)							A-B		295-431,599-

[illegible]

[illegible]

ABC	21	scaf-	13950			133	6.	146.	A-		104-385,432-
		fold_6:623567-		1	0				B-	MDR	678,769-
		627580(-)	4			7	41	39	A-B		1048,1097-
											1335
ABC	22	scaf-	15439			133	6.	146.	A-		102-381,429-
		fold_29:17508-		3	2				B-	MDR	674,773-
		21673(+)	5			7	49	11	A-B		1052,1096-
											1335
ABC	23	scaf-				131	6.	144.	A-		66-347,392-
		fold_1:2903039-	64176	12	11				B-	MDR	683,749-
		2907805(+)				0	2	84	A-B		1019,1072-
											1310
ABC	24	scaf-				128	5.	140.	A-		80-342,393-
		fold_11:1091827-	60557	9	8				B-	MDR	638,716-
		1096466(+)				9	97	56	A-B		990,1039-1290
ABC	25	scaf-	15524			126	6.	138.	A-		71-327,372-
		fold_1:100127-		11	10				B-	MDR	635,704-
		104858(-)	4			1	67	37	A-B		974,1027-1261
ABC	26	scaf-	39525			128	6.	138.	A-		45-270,325-
		fold_6:108438-		3	2				B-	MDR	605,697-
		112752(+)	9			0	33	01	A-B		968,1041-1281

ABC	scaf-						A-		47-326,373-
	fold_8:1063376-	19553			127	6.	137.		
	27		5	4					
	1067657(+)	0			5	36	75	B- MDR	619,700-
								A-B	981,1037-1276
ABC	scaf-							A-	95-357,400-
	fold_6:298511-	13842			126	5.	137.		
	28		7	6				B- CFTR	596,693-
	302824(+)	7			6	83	13		
								A-B	899,1009-1234
ABC	scaf-								
	fold_6:792799-	19227			111	6.	122.		488-676,727-
	29		2	1				B-B UuP	
	796903(-)	5			3	2	48		1021
ABC	scaf-							Pro-	
	fold_12:686978-				107	5.	117.		369-596,808-
	30	60895	4	3				B-C tein	
	690799(-)				7	48	17		1018
								white	
ABC	scaf-								
	fold_4:2162032-				105	5.	117.	B-	446-632,682-
	31	35803	3	2					UuP
	2166124(+)				5	77	13	B-B	985,713-795
ABC	scaf-								
	fold_6:571499-					9.	110.		360-637,683-
	32	46574	3	2	966			A-B ATM1	
	574783(+)					87	08		918
ABC	scaf-								
	fold_4:2335986-					8.	103.		284-553,599-
	33	67305	7	6	935			A-B MdlB	
	2339176(+)					26	06		834

ABC	scaf-										
	fold_17:462008-	51699	1	0	806	9.	86.9	A-B	MdlB		188-456,510-
	34					43	3				749
	464428(-)										
ABC	scaf-										
	fold_4:404984-	55941	3	2	749	5.	82.7	B-			201-442,436-
	35					71	2	D-B	UuP		522,553-725
	407606(-)										
ABC	scaf-								B-		83-161,262-
	fold_2:2113968-	12909				5.	81.8				
	36		5	4	737	92	6	B-	UuP		365,361-
	2116435(+)	7						D-B			432,489-684
ABC	scaf-										
	fold_1:3104696-	12757				9.	81.0		3a012		90-371,468-
	37		4	3	710	41	1	A-B			674
	3107034(+)	2							3		
ABC	scaf-										
	fold_3:1180302-	16106				9.	79.6				146-422,469-
	38		2	1	728	4	1	A-B	ATM1		706
	1182933(-)	3									
ABC	scaf-										
	fold_25:29785-	84850	2	1	655	5.	73.8				174-375,421-
	39					93	3	A-B	ATM1		656
	32063(+)										
ABC	scaf-									Pro-	
	fold_16:47359-	15150				7.	69.7				34-266,356-
	40		3	2	631			B-C	tein		564
	49428(-)	8				2	6			white	

ABC	scaffold_43:7456-	15487				8.	69.5		Pro-	25-253,342-
41	9454(+)	2	3	2	619	14	6	B-C	tein	545
									white	
ABC	scaf-					6.	69.0	B-		88-306,304-
42	fold_17:13345-	31428	3	2	620	17	9	D-B	UuP	392,399-595
	15352(-)									
ABC	scaf-					9.	66.0			109-325,376-
43	fold_16:35781-	73462	5	4	616	37	5	A-B	MdlB	619
	38167(+)									
ABC	scaf-	14307				8.	55.3			11-196,250-
44	fold_8:1897631-		5	4	491	79	3	A-B	ATM1	483
	1899321(-)	7								

Note: NE: Number of exon; NI: Number of intron; AA: Number of amino acids; pI: Isoelectric poin; MW: molecular weight; AOCD: Arrangement of conserved domain.