

Additional file 8. Annotation of HGTs that are transferred between Magnaporthales (using *O. dolichostomum* as a reference) and *Colletotrichum*

No.	Family	Genes*	Products	UFboot	Mag-Clade ¹	Donor ²	CAZyme	Transporter	Peptidase	Colleto. long contig ³	No. Colleto. ⁴
1	1	<i>O. dolichostomum.scf101_28.g24</i>	hypothetical_protein_UCRPA7_6765	88	Clade_ABC	unknown				1	>1
2	2	<i>O. dolichostomum.scf11_77.g11</i>	cellulose_beta-cellobiosidase	100	Clade_ABC	Colleto	GH7			1	>1
3	3	<i>O. dolichostomum.scf126_25.g16</i>	mas3_protein	85	Clade_ABC	Magnapo				1	>1
4	4	<i>O. dolichostomum.scf144_30.g6</i>	heterokaryon_incompatibility_protein	96	Clade_A	unknown				1	>1
5	5	<i>O. dolichostomum.scf151_30.g15</i>	endoplasmic_reticulum_protein	99	Clade_ABC	Magnapo				1	>1
6	6	<i>O. dolichostomum.scf154_22.g13</i>	extracellular_dihydrogeodin_oxidase	100	Clade_ABC	unknown	AA1	TC-DB		1	>1
7	7	<i>O. dolichostomum.scf166_20.g2</i>	dj-1_family_protein	99	Clade_ABC	unknown			C56	1	>1
8	8	<i>O. dolichostomum.scf188_26.g8</i>	peroxysomal_citrate_synthase	100	Clade_A	Colleto				1	>1
9	9	<i>O. dolichostomum.scf190_26.g6</i>	hypothetical_protein	100	Clade_ABC	Colleto				1	>1
10	10	<i>O. dolichostomum.scf20_68.g26</i>	nacht_and_tpr_domain-containing	98	Clade_ABC	Colleto				1	>1
11	11	<i>O. dolichostomum.scf201_21.g1</i>	hypothetical_protein	100	Clade_ABC	unknown				1	>1
12	12	<i>O. dolichostomum.scf201_21.g3</i>	delta_sterol_reductase	99	Clade_ABC	Magnapo				1	>1
13	13	<i>O. dolichostomum.scf202_21.g15</i>	hypothetical_protein	100	Clade_ABC	unknown				1	1
14	14	<i>O. dolichostomum.scf202_21.g16</i>	monocarboxylate_permease-like	100	Clade_ABC	Colleto		TC-DB		1	>1
15	15	<i>O. dolichostomum.scf209_20.g7</i>	hypothetical_protein	100	Clade_A	unknown				1	>1
16	16	<i>O. dolichostomum.scf239_23.g16</i>	hypothetical_protein	100	Clade_A	unknown			M38	1	1
17	17	<i>O. dolichostomum.scf278_18.g13</i>	transcription_factor_domain-containing	100	Clade_A	unknown				1	>1
18	18	<i>O. dolichostomum.scf278_18.g15</i>	mannitol_1-phosphate_dehydrogenase	100	Clade_ABC	Magnapo				1	>1
19	19	<i>O. dolichostomum.scf290_20.g12</i>	amino-acid_permease_inda1	100	Clade_A	unknown		TC-DB		1	>1
20	20	<i>O. dolichostomum.scf300_18.g3</i>	hypothetical_protein	87	Clade_A	Magnapo				1	>1
21	21	<i>O. dolichostomum.scf304_7.g6</i>	acyltransferase-like_protein	99	Clade_C	Magnapo				1	1
22	22	<i>O. dolichostomum.scf33_56.g43</i>	hypothetical_protein	98	Clade_ABC	unknown				1	1
23	23	<i>O. dolichostomum.scf357_13.g5</i>	hypothetical_protein	100	Clade_ABC	Magnapo				1	>1
24	24	<i>O. dolichostomum.scf381_9.g9</i>	abc_transporter	100	Clade_ABC	unknown		TC-DB		1	>1
25	25	<i>O. dolichostomum.scf395_11.g11</i>	pheromone-regulated_membrane_pro.	96	Clade_ABC	Colleto				1	>1
26	26	<i>O. dolichostomum.scf4_87.g18</i>	hypothetical_protein	100	Clade_A	Colleto				1	>1
27	27	<i>O. dolichostomum.scf4_87.g20</i>	hypothetical_protein	100	Clade_A	Colleto				1	>1
28	28	<i>O. dolichostomum.scf405_11.g4</i>	methyltransferase_domain-containing	100	Clade_ABC	unknown				1	>1
29	29	<i>O. dolichostomum.scf43_45.g19</i>	nadh-dependent_fm_n_reductase	98	Clade_ABC	unknown				1	>1
30	30	<i>O. dolichostomum.scf458_9.g5</i>	hypothetical_protein	100	Clade_ABC	unknown		TC-DB		1	>1
31	31	<i>O. dolichostomum.scf460_13.g3</i>	peptidase_family_m28	100	Clade_ABC	Magnapo	CBM12		M28A	1	>1
32	32	<i>O. dolichostomum.scf464_12.g9</i>	fungal_cellulose_binding_domain	100	Clade_A	Colleto	GH5 CBM1			1	>1
33	33	<i>O. dolichostomum.scf49_41.g18</i>	cation_diffusion_facilitator_1_protein	99	Clade_ABC	unknown				1	>1
34	34	<i>O. dolichostomum.scf493_7.g4</i>	serine_carboxypeptidase_s28	100	Clade_ABC	unknown			S28	1	>1
35	35	<i>O. dolichostomum.scf493_7.g7</i>	choline_dehydrogenase	100	Clade_ABC	Colleto	AA3			1	>1
36	36	<i>O. dolichostomum.scf50_54.g15</i>	glycosyl_hydrolase_family_43	100	Clade_A	unknown	GH43			1	>1
37	37	<i>O. dolichostomum.scf504_7.g1</i>	chitinase_1	100	Clade_ABC	Colleto	GH18			1	>1
38	38	<i>O. dolichostomum.scf517_12.g6</i>	fad_dependent_oxidoreductase	100	Clade_A	unknown				1	>1
39	39	<i>O. dolichostomum.scf52_54.g42</i>	glycoside_hydrolase_family_27_protein	99	Clade_A	Colleto	GH27			1	>1

40	40	<i>O. dolichostomum.scf522_8.g3</i>	sugar_transporter	100	Clade_BC	Magnapo			1	>1
41	41	<i>O. dolichostomum.scf525_9.g5</i>	hypothetical_protein	100	Clade_A	Colleto			1	>1
42	42	<i>O. dolichostomum.scf53_51.g8</i>	ncs1_allantoate_transporter_protein	100	Clade_A	unknown		TC-DB	1	>1
43	43	<i>O. dolichostomum.scf544_8.g7</i>	serine_carboxypeptidase	100	Clade_A	Magnapo		S6	1	>1
44	44	<i>O. dolichostomum.scf577_7.g2</i>	sir2_family_protein	100	Clade_ABC	unknown			1	>1
45	45	<i>O. dolichostomum.scf578_3.g1</i>	cellulose_binding_domain-containing	100	Clade_BC	Magnapo	AA3 AA8		1	1
46	46	<i>O. dolichostomum.scf613_6.g3</i>	amino_acid_permease	98	Clade_C	Magnapo		TC-DB	1	>1
47	47	<i>O. dolichostomum.scf658_4.g4</i>	duf563_domain-containing_protein	86	Clade_ABC	Magnapo	GT61		1	1
48	48	<i>O. dolichostomum.scf71_46.g2</i>	alcohol_dehydrogenase	100	Clade_ABC	unknown			1	>1
49	49	<i>O. dolichostomum.scf81_43.g10</i>	vesicles_protein_erv14_protein	96	Clade_ABC	unknown			1	>1
50	50	<i>O. dolichostomum.scf89_37.g18</i>	thioester_reductase_domain-containing	97	Clade_A	Magnapo			1	>1
51	51	<i>O. dolichostomum.scf95_39.g35</i>	tri7-like_toxin_biosynthesis_protein	100	Clade_A	unknown			0	1

* Physically-linked genes are shown in bold face.

¹ Magnaporthales comprise three major clades (i.e., clades A, B and C). This column indicates which clades were involved in the gene transfer with *Colletotrichum*.

² The putative donor of the gene transfers between Magnaporthales and *Colletotrichum*.

³ If one or more transferred *Colletotrichum* genes are located in long contigs (encoding ≥ 5 genes), value (1) is assigned. Value (0) is assigned otherwise.

⁴ Number of *Colletotrichum* species involved in the individual HGT instance.