Supplementary Material



**Figure S1: Illustration of the three possible melanin biosynthesis pathways in fungi and the melanin inhibitor for each pathway (Wheeler and Klich 1995; Bell and Wheeler 1986; Butler and Day 1998; Langfelder et al. 2003; Cabanes et al. 1994; Carreira et al. 2001; Coon et al. 1994; Secor 1994).**

1,3,6,8-THN: 1,3,6,8 tetrahydroxynaphthalene, 1,3,8-THN: 1,3,8-trihydroxynaphthalene, 1,8-DHN: 1,8-dihyroxynaphthalene and DOPA: 3,4 dihydroxyphenylalanine.



**Figure S2: Impact of three melanin biosynthesis inhibitors on the pigmentation of *Periconia macrospinosa, Cadophora* sp. and *Leptodontidium* sp.** DSEs were grown on Pachlewski media enriched with either kojic acid (K), sulcotrione (S) or tricyclazole (T). Petri dishes were incubated at 25oC for 14 days. Melanin pigmentation were not inhibited in the presence of kojic acid and sulcotrione in *P. macrospinosa* (A and B), *Cadophora* sp. (D and E) and *Leptodontidium* sp. (G and H), while the melanin pigment was reduced by the addition of tricyclazole visible in *P. macrospinosa* (C), *Cadophora* sp. (F) and *Leptodontidium* sp. (I). The experiment has been repeated 3 times with 5 repetitions per each treatment obtaining similar results.

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