



Supporting Information

Extraction and Identification of Fungi from Different Sudanese Soil

Nesreen A. A. Ibrahim,^{* 1} Humodi A. Saeed², Samar M. Saeed², Sabah A. E. Ibrahim³, Sofia B. Mohamed³
Mohamed E. N. Ahmed¹

¹Department of Microbiology, Faculty of Medical Laboratory Sciences, Sudan International University, Khartoum, Sudan

²Department of Microbiology, Faculty of Medical Laboratory Sciences, Sudan University of Science and Technology, Khartoum, Sudan

³Bioinformatics and Biostatistics Department, National University Biomedical Research Institute, National University, Khartoum, Sudan

*Corresponding author's email: nesreenyousif20@gmail.com

Table S1. Classification of isolated fungi from Sudan soil based on identification process executed.

NO	Name Of the species	size	Color	Nature of Hyphae	Conidia Shape	location	Number of species
1	Aspergillus Niger	Medium	Black	Non-Septate	Rough,Irregular	Halfaia	30
2	Aspergillus Niger	Medium	Black-powdery	Non-Septate	Rough,Irregular	Soba	10
3	Aspergillus Flavus	medium	yellow-green-powdery	Non-Septate	Rough,Irregular	Halfia	8
4	Aspergillus Flavus	medium	yellow-green-powdery	Non-Septate	Rough,Irregular	Soba	2
5	Aspergillus terreus	medium	Brown-powdery	Non-Septate	Rough,Irregular	Halfia	4
6	Aspergillus Fumigates	medium	Gray-Green-powdery	Non-septate	regular	Halfia	6

NO	Name Of the species	size	Color	Nature of Hyphae	Conidia Shape	location	Number of species
7	Aspergillus Fumigates	medium	Gray-Green-powdery	Non-septate	regular	Soba	4
8	Aspergillus nidulans	medium	dark yellow-green-powdery	Non-septate	Irregular short	Halfia	4
9	Spergillus spp	medium	Yellow to green-powdery	Non-septate	irregular	Halfia	2
10	Aspergillus spp	medium	Yellow to green-powdery	Non-septate	irregular	Soba	6
11	Fusarium	medium	White-cream some gray cottony	-----	Macroconidia and microconidia cylindrical foot cell	Soba	5
12	Alternaria spp	medium	Grayish or brown (melanized)	Septate	Bear simple or branching with transverse	Halfia	3
13	Alternaria spp	medium	Grayish or brown (melanized)	Septate	Bear simple or branching with transverse	Soba	1
14	Penicillium Crysogenum	medium	Blue-green- gray	Non-septate	oval	Halfia	2
15	Rizopus spp	small	Cream-brown	Non-septate	oval	Soba	6
16	Rizopus spp	small	black	Non-septate	Globose	Halfia	2
17	Dermaticious	medium	Brown-black	Septate	Yeast like	Soba	3

NO	Name Of the species	size	Color	Nature of Hyphae	Conidia Shape	location	Number of species
18	Dermaticious	medium	Brown-black	-----	Yeast like	Halfia	1
19	Unknown mould	medium	green	Non-septate	microconidia	Halfia	8
20	Unknown mould	medium	brown	Non-septate	microconidia	Soba	10
21	Mucor spp	medium	White-yellow	Non-septate	Ellipsoidal	Soba	4