

TABLE S1- Fungi detected on limestone cultural heritage by molecular methods in the literature

Name of the Cultural Heritage	Phylum	Class	Order	Family	Genus	Specie	Culture	Molecular biology	Indoors/O outdoors	Country	Color	Reference
Limestone sculptures from the Portuguese National Museum of Ancient Art	Ascomycota	Dothideomycetes	Dothideales	Sacotheciaceae	Aureobasidium	not identified	Nutrient Agar, Malt Extract Agar, and Cook Rose Bengal	CDM (PCR)	Indoors	Portugal	yellow, red	Dias et al 2019 [73]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	sordidulum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	green	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	alternata	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	infectoria	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	arborescens	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	pseudogracilis	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	versicolor	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	green	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Dothideales	Sacotheciaceae	Aureobasidium	leucospermi	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Dothideales	Sacotheciaceae	Aureobasidium	subglaciale	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]

The old cathedral of Coimbra	Ascomycota	Leotiomycetes	Helotiales	Sclerotiniaceae	Botrytis	cinerea	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	Chaetomium	elatum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	aphidis	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	green	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	halotolerans	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	herbarum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	psychrotolerans	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	perangustum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	sphaerospermum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	green	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	tenellum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	tenuissimum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	Agaricales	Psathyrellaceae	Coprinellus	xanthothrix	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]

The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Xylariales	Hypoxylaceae	Daldinia	concentrica	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	nigrum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	avenacea	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Gibberella	intricans	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Lophiotremataceae	Lophiotrema	rubi	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	minutissima	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	zychae	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	alpina	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	clonocystis	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Mucoromycota	Mucoromycetes	Mucorales	Mucoraceae	Mucor	fragilis	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Mucoromycota	Mucoromycetes	Mucorales	Mucoraceae	Mucor	hiemalis	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Parengyodontium	album	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	dark and green	Trovão et al., 2019 [50]

The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	angulare	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	brevicompactum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	black	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	chrysogenum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	crustosum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	dark and green	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	pancosmium	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	glabrum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	green	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	scabrosum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Periconiaceae	Periconia	byssoides	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Heterophoma	sylvatica	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	Ophiocordycipitaceae	Purpureocillium	lavendulum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Stagonosporopsis	dorenboschii	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	green	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	Russulales	Stereaceae	Stereum	hirsutum	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]

The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	Talaromyces	amestolkiae	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	black and green	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	Talaromyces	stolii	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	Polyporales	Polyporaceae	Trametes	versicolor	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	atroviride	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Valsariales	Valsariaceae	Valsaria	spartii	PDA medium, dichloran-glycerol agar, malt extract agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Botryosphaeriales	Botryosphaeriaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Orbiliomycetes	Orbiliales	Orbiliaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	not identified	not identified	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Chytridiomycota	Chytridiomycetes	Spizellomycetales	Powellomycetaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Lecanoromycetes;	Acarosporales	Acarosporaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Pezizomycetes	Pezizales	Pyrenomataceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]

The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	Agaricales	Strophariaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	Agaricales	Xenasmataceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Mycosphaerellales	Mycosphaerellaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Pleosporales	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Lecanoromycetes	Lecanorales	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Saccharomycetes	Saccharomycetales	Saccharomycetaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Eurotiales	Trichomaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	Trechisporales	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Mycosphaerellales	Neodevriesiaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Chaetothyriales	Cyphellophoraceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	Clavicipitaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Xylariales	Xylariaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	Agaricales	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Dothideomycetes	Dothideales	Saccotheciaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	not identified	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Malasseziomycetes	Malasseziales	Malasseziaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]

The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	Polyporales	Fomitopsidaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Leotiomycetes	Helotiales	Sclerotiniaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	not identified	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Leotiomycetes	Helotiales	Helotiaceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Ascomycota	Sordariomycetes	Hypocreales	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Chytridiomycota	Chytridiomycetes	Spizellomycetales	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
The old cathedral of Coimbra	Basidiomycota	Agaricomycetes	Polyporales	Ganodermataceae	not identified	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al., 2019 [50]
El-Amir Muhammad's minaret in Akhmim	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	niger	Deveze-Bruni medium (for CaCO ₃ dissolution)	CDM (PCR)	Both	Egypt	/	Ahmed and Mohamed, 2022 [29]
El-Amir Muhammad's minaret in Akhmim	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	flavus	Deveze-Bruni medium (for CaCO ₃ dissolution)	CDM (PCR)	Both	Egypt	/	Ahmed and Mohamed, 2022 [29]
El-Amir Muhammad's minaret in Akhmim	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	galauca	Deveze-Bruni medium (for CaCO ₃ dissolution)	CDM (PCR)	Outdoors	Egypt	/	Ahmed and Mohamed, 2022 [29]
El-Amir Muhammad's minaret in Akhmim	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	corylophilum	Deveze-Bruni medium (for CaCO ₃ dissolution)	CDM (PCR)	Outdoors	Egypt	/	Ahmed and Mohamed, 2022 [29]
El-Amir Muhammad's minaret in Akhmim	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	chrysogenum	Deveze-Bruni medium (for CaCO ₃ dissolution)	CDM (PCR)	Both	Egypt	/	Ahmed and Mohamed, 2022 [29]
El-Amir Muhammad's minaret in Akhmim	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	alternata	Deveze-Bruni medium (for CaCO ₃ dissolution)	CDM (PCR)	Outdoors	Egypt	/	Ahmed and Mohamed, 2022 [29]
El-Amir Muhammad's minaret in Akhmim	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporoides	Deveze-Bruni medium (for CaCO ₃ dissolution)	CDM (PCR)	Both	Egypt	/	Ahmed and Mohamed, 2022 [29]
El-Amir Muhammad's minaret in Akhmim	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Curvularia	lanata	Deveze-Bruni medium (for CaCO ₃ dissolution)	CDM (PCR)	Outdoors	Egypt	/	Ahmed and Mohamed, 2022 [29]
El-Amir Muhammad's minaret in Akhmim	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Ulocladium	charatum	Deveze-Bruni medium (for CaCO ₃ dissolution)	CDM (PCR)	Indoors	Egypt	/	Ahmed and Mohamed, 2022 [29]
El-Amir Muhammad's minaret in Akhmim	Mucoromycota	Mucoromycetes	Mucorales	Mucoraceae	Mucor	not identified	Deveze-Bruni medium (for	CDM (PCR)	Both	Egypt	/	Ahmed and Mohamed, 2022 [29]

							CaCO3 dissolution)					
The Klippe statues in Hangzhou	Ascomycota	Dothideomycetes	Pleosporales	Periconiaceae	Periconia	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Dothideomycetes	Pleosporales	Corynesporascaceae	Corynespora	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Lecanoromycetes	Teloschistales	Caloplacoideae	Caloplaca	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Sordariomycetes	Xylariales	Diatrypaceae	Eutypa	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Sordariomycetes	Xylariales	Diatrypaceae	Eutypella	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Mucoromycota	Glomeromycetes	Entrophosporales	Entrophosporaceae	Entrophospora	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Orbiliomycetes	Orbiliales	Orbiliaceae	Dactylellina	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Dothideomycetes	not identified (NCBI Taxonomy)	not identified (NCBI Taxonomy)	Coniosporium	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Dothideomycetes	Pleosporales	Coniothyriaceae	Coniothyrium	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Basidiomycota	Tritirachiomycetes	Tritirachiales	Tritirachiaceae	Tritirachium	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Lecanoromycetes	Peltigerales	Pannariaceae	Degelia	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Eurotiomycetes	Verrucariales	Verrucariaceae	Verrucaria	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Dothideomycetes	Mycosphaerellales	Mycosphaerellaceae	Mycosphaerella	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Eurotiomycetes	Verrucariales	Verrucariaceae	Psoroglaena	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Dothideomycetes	Mycosphaerellales	Teratosphaeriaceae	Devriesia	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Arthoniomycetes	Arthoniales	Arthoniaceae	Arthothelium	not identified	none	NGS	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	not identified	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Sordariomycetes	Xylariales	Sporocadaceae	Pestalotiopsis	microspora	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Sordariomycetes	Xylariales	Sporocadaceae	Pestalotiopsis	not identified	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	not identified	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Sordariomycetes	Glomerellales	Glomerellaceae	Colletotrichum	not identified	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	oxalicum	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Dothideomycetes	Botryosphaeriales	Botryosphaeriaceae	Lasiodiplodia	theobromae	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Basidiomycota	Agaricomycetes	Agaricales	Schizophyllaceae	Schizophyllum	commune	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Hypocrea	lixii	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]

The Klippe statues in Hangzhou	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	harzianum	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
The Klippe statues in Hangzhou	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	asperellum	PDA	CDM (PCR)	Outdoors	China	/	Li et al., 2017 [20]
Qingxing palace and Lingyin and Kaihua temple	Ascomycota	Dothideomycetes	Mycosphaerellales	Teratosphaeriaceae	Devriesia	not identified	none	NGS	Outdoors	China	/	Li et al., 2016 [31]
Qingxing palace and Lingyin and Kaihua temple	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	not identified	none	NGS	Outdoors	China	/	Li et al., 2016 [31]
Qingxing palace and Lingyin and Kaihua temple	Ascomycota	Lecanoromycetes	Lecanorales	Stereocaulaceae	Lepraria	not identified	none	NGS	Outdoors	China	/	Li et al., 2016 [31]
Qingxing palace and Lingyin and Kaihua temple	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Rhinocladiella	not identified	none	NGS	Outdoors	China	/	Li et al., 2016 [31]
Lingyan Temple	Basidiomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	Rhodotorula	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Basidiomycota	Agaricales	Marasmiineae	Physalacriaceae	Flammulina	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Basidiomycota	Malasseziomycetes	Malasseziales	Malasseziaceae	Malassezia	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	not identified	none	NGS	Indoors	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Sordariomycetes	Xylariales	incertae sedis	Monosporascus	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Basidiomycota	Agaricomycetes	Atheliales	Atheliaceae	Athelia	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	Chaetomium	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Pleosporales	Sporormiaceae	Sporormiella	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Sordariomycetes	Xylariales	Apiosporaceae	Nigrospora	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	not identified	not identified (NCBI Taxonomy)	Coniosporium	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Basidiomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	Sporobolomyces	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	Sporidiobolus	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Dothideales	Sacotheciaceae	Aureobasidium	not identified	none	NGS	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Dothideales	Sacotheciaceae	Aureobasidium	pullulans	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]

Lingyan Temple	Ascomycota	Saccharomycetes	Saccharomycetales	Metschnikowiaceae	Metschnikowia	not identified	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Dothideales	Sacrotheciaceae	Aureobasidium	melanogenum	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Dothideales	Sacrotheciaceae	Kabatiella	not identified	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Dothideales	Sacrotheciaceae	Aureobasidium	melanogenum	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	Paraconiothyrium	brasiliense	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	alternata	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	attemata	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	tenuissima	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Basidiomycota	Tremellomycetes	Tremellales	Cryptococcaceae	Cryptococcus	uzbekistanensis	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Naganishia	uzbekistanensis	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	Talaromyces	funiculosus	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	piluliferum	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Sordariomycetes	Glomerellales	Glomerellaceae	Colletotrichum	gloeosporioides	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	not identified	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Lingyan Temple	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	not identified	PDA	CDM (barcode PCR)	Both	China	/	Li et al., 2023 [67]
Qing Dynasty's temporary palace in West Lake Cultural Landscape of Hangzhou	Ascomycota	not identified	not identified	not identified	not identified	not identified	none	NGS	Outdoors	China	/	Wu et al., 2021 [16]
Qing Dynasty's temporary palace in West Lake Cultural Landscape of Hangzhou	Basidiomycota	not identified	not identified	not identified	not identified	not identified	none	NGS	Outdoors	China	/	Wu et al., 2021 [16]
Qing Dynasty's temporary palace in West Lake Cultural Landscape of Hangzhou	Zygomycota	not identified	not identified	not identified	not identified	not identified	none	NGS	Outdoors	China	/	Wu et al., 2021 [16]

Ancient stone stela	Ascomycota	Sordariomycetes	Hypocreales;	Bionectriaceae	Bionectria	ochroleuca	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	/	Savković et al., 2016 [19]
Ancient stone stela	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	Chaetomium	murorum	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	/	Savković et al., 2016 [19]
Ancient stone stela	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	/	Savković et al., 2016 [19]
Ancient stone stela	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	oxysporum	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	/	Savković et al., 2016 [19]
Ancient stone stela	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	nigrum	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	/	Savković et al., 2016 [19]
Ancient stone stela	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	proliferatum	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	dark red	Savković et al., 2016 [19]
Ancient stone stela	Mucoromycota	Mucoromycetes	Mucorales	Mucoraceae	Mucor	racemosus	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	/	Savković et al., 2016 [19]

Ancient stone stela	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	crustosum	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	/	Savković et al., 2016 [19]
Ancient stone stela	Mucoromycota	Mucoromycetes	Mucorales	Rhizopodaceae	Rhizopus	stolonifer	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	/	Savković et al., 2016 [19]
Ancient stone stela	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	harzianum	MEA, rose bengal chloramphenicol agar, Czapek Yeast extract agar, PDA, Oatmeal Agar	CDM (PCR)	Outdoors	Serbia	/	Savković et al., 2016 [19]
Church of Boris and Gleb	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Lecanicillium	gracile	Czapek medium	CDM (PCR)	Indoors	Russia	secondary calcite formation	Ponizovskaya, 2019 [68]
Pasargadae (Cyrus the Great Tomb)	Basidiomycota	Tremellomycetes	Tremellales	Cryptococcaceae	Cryptococcus	friedmannii	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	Candida	albicans	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	Humicola	not identified	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	ossifragi	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]

Pasargadae (Cyrus the Great Tomb)	Basidiomycota	Ustilaginomycetes	Ustilaginales	Ustilaginaceae	Pseudozyma	shanxiensis	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Dothideomycetes	Pleosporales	Montagnulaceae	not identified	not identified	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Ulocladium	consortiale	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	chlamydosporigena	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Sordariomycetes	Xylariomycetidae	Xylariales	Arthrrium	sacchari	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	Meyerozyma	guilliermondii	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	Candida	tropicalis	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	Candida	tropicalis	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Pasargadae (Cyrus the Great Tomb)	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	solani	Potato Dextrose Agar (PDA) and Sabourud Dextrose Agar (SDA)	CDM (PCR)	Outdoors	Iran	/	Gholipour-Shahraki and Mohammadi, 2017 [23]
Saaleck Castle/Bad Kösen	Ascomycota	Lecanoromycetes	Teloschistales	Caloplacoideae	Caloplaca	holocarpa	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Mycosphaerellales	Mycosphaerellaceae	Passalora	not identified	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]

Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Dothideales	Saccotheciaceae	Aureobasidium	pullulans	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	bruhnei	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Pleosporales	incertae sedis	Clavariopsis	aquatica	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	not identified (NCBI Taxonomy)	not identified (NCBI Taxonomy)	Coniosporium	apollinis	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Basidiomycota	Tremellomycetes	Tremellales	Cryptococcaceae	Cryptococcus	carnescens	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Myriangiales	Elsinoaceae	Elsinoe	veneta	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Botryosphaeriales	Phyllostictaceae	Guignardia	not identified	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Pleosporales	Leptosphaeriaceae	Leptosphaeria	maculans	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	Paraphaeosphaeria	nodorium	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	soilutum	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	not identified	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Rachicladosporium	paocitum	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Mycosphaerellales	Mycosphaerellaceae	Septoria	dysentericae	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Chytridiomycota	not identified	not identified	not identified	not identified	not identified	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Eurotiomycetes	Chaetothyriales	Trichomeriaceae	Knufia	perforans	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Eurotiomycetes	Chaetothyriales	Trichomeriaceae	Knufia	endospora	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Rhinocladiella	not identified	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Capnodiales	not identified	not identified	not identified	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Patellariales	incertae sedis	Glyphium	elatum	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Cordyceps	brongniartii	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]

Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	incertae sedis	incertae sedis	Cryomyces	not identified	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Zygomycota	not identified	not identified	not identified	not identified	not identified	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	incertae sedis	incertae sedis	incertae sedis	Cheimomoniophora	elegans	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Dothideales	not identified	not identified	not identified	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Basidiomycota	Tremellomycetes	Tremellales	Sirobasidiaceae	Fibulobasidium	murrhardtense	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Pleospora	herbarum	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Saaleck Castle/Bad Kösen	Ascomycota	Dothideomycetes	Hysteriales	Hysteriaceae	Rhytidhysterium	rufulum	3N BBM+V medium and Z Medium	CDM (PCR)	Outdoors	Germany	/	Kirchhof et al., 2018 [22]
Santa Maria della Pietà	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Lecanicillium	not identified	MEA	CDM (PCR)	Indoors	Italy	bright green	Mascaro et al., 2021[70]
Santa Maria della Pietà	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Stachybotrys	chartarum	MEA	CDM (PCR)	Indoors	Italy	brown	Mascaro et al., 2021[70]
Santa Maria della Pietà	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	chrysogenum	MEA	CDM (PCR)	Indoors	Italy	brown	Mascaro et al., 2021[70]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	alternata	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	iridiaustralis	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	not identified	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	flavus	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	niger	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	sydowii	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	terreus	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	Chaetomium	globosum	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]

Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	halotolerans	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	not identified	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	velox	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	fulvum	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Curvularia	lunata	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	nigrum	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	not identified	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	equiseti	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	oxysporum	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	not identified	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Glomerellales	Glomerellaceae	Glomerella	cingulata	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Leotiomycetes	Helotiales	Sclerotiniaceae	Monilinia	not identified	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Mucoromycota	Mucoromycetes	Mucorales	Mucoraceae	Mucor	ambiguous	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Mycosphaerellales	Mycosphaerellaceae	Mycosphaerella	not identified	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Mycosphaerellales	Mycosphaerellaceae	Mycosphaerella	tassiana	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]

Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	not identified	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Leotiomycetes	Helotiales	Mollisiaceae	Phialocephala	fluminis	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Sordariales	Podosporaceae	Podospora	anserina	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Capnodiales	incertae sedis	Pseudotaeniolina	globosa	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Basidiomycota	Pucciniomycetes	Pucciniales	Pucciniaceae	Puccinia	graminis	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Hypocreales	Stachybotryaceae	Stachybotrys	chlorohalonatus	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Stemphylium	not identified	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	not identified	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Ulocladium	botrytis	DRBC medium with 100ppm chloramphenicol	CDM (PCR)	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Eurotiomycetes	Chaetothyriales	Trichomeriaceae	Knufia	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Sporormiaceae	not identified	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Pezizomycetes	Pezizales	not identified	not identified	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	not identified	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Paradendryphiella	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Basidiomycota	Tremellomycetes	Filobasidiales	Filobasidiaceae	Filobasidium	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]

Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Xylariales	Apiosporaceae	Nigrospora	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Vishniacozyma	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Stemphylium	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Saccharomycetes	Saccharomycetales	Pichiaceae	Pichia	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Mycosphaerellales	Mycosphaerellaceae	Mycosphaerella	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Sordariomycetes	Sordariales	Sordariaceae	Neurospora	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Saccharomycetes	Saccharomycetales	not identified	not identified	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Basidiomycota	Tremellomycetes	Trichosporonales	Trichosporonaceae	Cutaneotrichosporon	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	not identified	not identified	not identified	not identified	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
Memphis necropolis of Egypt (Djoser and Lahun Pyramids)	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	not identified	none	NGS	Outdoors	Egypt	/	Rizk et al., 2023 [30]
The West Lake area statues	Ascomycota	not identified	not identified	not identified	not identified	not identified	none	NGS	Outdoors	China	white	Zhu et al., 2023 [6]
The West Lake area statues	Mortierellomycota	not identified	not identified	not identified	not identified	not identified	none	NGS	Outdoors	China	white	Zhu et al., 2023 [6]
The West Lake area statues	Basidiomycota	not identified	not identified	not identified	not identified	not identified	none	NGS	Outdoors	China	white	Zhu et al., 2023 [6]
The West Lake area statues	Ascomycota	Orbiliomycetes	Orbiliales	Orbiliaceae	Orobilia	not identified	none	NGS	Outdoors	China	yellow	Zhu et al., 2023 [6]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Microascales	Microascaceae	Cephalotrichum	not identified	none	NGS	Outdoors	Portugal	/	Soares et al., 2022 [73]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Eurotiomycetes	Chaetothyriales	not identified	not identified	not identified	none	NGS	Outdoors	Portugal	/	Soares et al., 2022 [73]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Eurotiomycetes	Chaetothyriales	Cyphellophoraceae	Cyphellophora	not identified	none	NGS	Outdoors	Portugal	/	Soares et al., 2022 [73]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreomycetidae	Hypocreales	Lecanicillium	not identified	none	NGS	Outdoors	Portugal	/	Soares et al., 2022 [73]
Coimbra's hypogean Roman cryptoporticus	Mucoromycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	not identified	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	acutatum	PDA with streptomycin	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]

							(0.5 g L ⁻¹), Oatmeal agar					
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	alternatum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	fusidioides	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	hennebertii	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	sclerotigenum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	zeylanicum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Bryocentria	brongniarti	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Bryocentria	metzgeriae	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	incertae sedis	Bulbithecium	hyalosporum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Bullnockia	australis	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Caespitomonium	euphorbiae	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Circumfusicillium	cavernae	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Clonostachys	epichloe	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Clonostachys	grammicospora	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Clonostachys	ochroleuca	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Clonostachys	pityrodes	PDA with streptomycin	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]

							(0.5 g L ⁻¹), Oatmeal agar					
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Clonostachys	setosa	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	incertae sedis	Emericellopsis	glabra	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	incertae sedis	Emericellopsis	maritima	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	incertae sedis	Emericellopsis	terricola	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Geonectria	subalpina	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Geosmithia	langdonii	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Geosmithia	lavendula	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Geosmithia	microcorthyli	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Geosmithia	putterillii	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Geosmithia	not identified	none	NGS	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Gliomastix	masseei	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Gliomastix	roseogrisea	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Heleococcum	aurantiacum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Heleococcum	japonense	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Heleococcum	japonicum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]

Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Hydropisphaera	peziza	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Hydropisphaera	suffulta	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	ljuhya	chilensis	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	ljuhya	fournieri	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	ljuhya	peristomialis	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Kallichroma	glabrum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Kallichroma	tethys	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Lasionectriella	rubioi	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	incertae sedis	Leucosphaerina	arxii	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Mycorachis	inversa	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Nectriopsis	violacea	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Nigrosabulum	globosum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Ochronectria	calami	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Ochronectria	thailandica	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Ovicillium	attenuatum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]

Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Ovicillium	napiforme	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Ovicillium	oosporum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Ovicillium	subglobosum	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Paracylindrocarpon	aloicola	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Protocreopsis	korfi	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Protocreopsis	pertusa	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Roumegueriella	rufula	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Selinia	pulchra	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Stephanonectria	keithii	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Stilbocrea	colubrensis	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Stilbocrea	gracilipes	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Stilbocrea	macrostoma	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Stilbocrea	macrostoma	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Stilbocrea	macrostoma	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Stilbocrea	walteri	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al, 2022 [61]

Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Stromatonectria	caraganae	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Synnemellisia	aurantia	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Verrucostoma	freycinetiae	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Verrucostoma	martinicensis	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2022 [61]
Coimbra's hypogean Roman cryptoporticus	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Xanthonectria	pseudopeziza	PDA with streptomycin (0.5 g L ⁻¹), Oatmeal agar	CDM (PCR)	Outdoors	Portugal	/	Trovão et al., 2022 [61]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Sordariales	Podosporaceae	Cladorrhinum	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	Malasseziomycetes	Malasseziales	Malasseziaceae	Malassezia	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Mucoromycota	Mucoromycetes	Mucorales	Mucoraceae	Mucor	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Parengyodontium	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	Rhodotorula	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]

The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	Tremellomycetes	Cystofilobasidiales	Mrakiaceae	Udeniomyces	not identified	none	NGS	Indoors	Portugal	dark and green with salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Leotiomycetes	Helotiales	Mollisiaceae	Acidomelania	not identified	none	NGS	Indoors	Portugal	salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	Candida	not identified	none	NGS	Indoors	Portugal	salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	incertae sedis	Corticiales	Corticaceae	Corticium	not identified	none	NGS	Indoors	Portugal	salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Xylariales	incertae sedis	Neophysalospora	not identified	none	NGS	Indoors	Portugal	salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	incertae sedis	Polyporales	Meruliaceae	Phlebia	not identified	none	NGS	Indoors	Portugal	salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	Tremellomycetes	Tremellales	Trimorphomycetaceae	Saitozyma	not identified	none	NGS	Indoors	Portugal	salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Vishniacozyma	not identified	none	NGS	Indoors	Portugal	salt efflorescence	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	incertae sedis	Hymenochaetales	Schizoporaceae	Xylodon	not identified	none	NGS	Indoors	Portugal	dark and green	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Exophiala	not identified	none	NGS	Indoors	Portugal	green	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Chaetothyriales	Cyphellophoraceae	Cyphellophora	not identified	none	NGS	Indoors	Portugal	green	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	Talaromyces	not identified	none	NGS	Indoors	Portugal	green	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Chaetothyriales	Trichomeriaceae	Knufia	not identified	none	NGS	Indoors	Portugal	black	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Mycosphaerellales	Neodevriesiaceae	Neodevriesia	not identified	none	NGS	Indoors	Portugal	black	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	Agaricales	Agaricineae	Psathyrellaceae	Psathyrella	not identified	none	NGS	Indoors	Portugal	black	Paiva et al., 2022 [34]
The Lemos Pantheon	Basidiomycota	Ustilaginomycetes	Ustilaginales	Ustilaginaceae	Ustilago	cynodontis	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

							medium supplemented with 10% NaCl (w/v) (HM 10%)					
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	Talaromyces	purpureogens	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Stachybotryaceae	Stachybotrys	chartarum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	olsonii	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	corylophilum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Parengyodontium	album	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreomycetidae	Microascales	Microascus	cirrus	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Circumfusicillium	cavernae	PDA; dichloran-glycerol agar (DG-18); malt	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

							extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)					
The Lemos Pantheon	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	infectoria	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	tenuissimum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	sphaerospermum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

							10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)					
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	ramotenellum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	herbarum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	dominicanum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

							base (RB); DSMZ 372- Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)					
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	fumigatus	PDA; dichloran- glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372- Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Xylariomycetidae	Xylariales	Arthrrium	marit	PDA; dichloran- glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372- Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Capnodiales	incertae sedis	Aeminium	ludgeri	PDA; dichloran- glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372- Halobacteria medium	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

							supplemented with 10% NaCl (w/v) (HM 10%)					
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	alternatum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Toxicocladosporium	irritans	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Xylariales	incertae sedis	Neophysalospora	eucalypti	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

The Lemos Pantheon	Basidiomycota	incertae sedis	Polyporales	Phanerochaetaceae	Phlebiopsis	gigantea	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	echinulatum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	brevicompactum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Leotiomycetes	Helotiales	Hamatocanthoscyphaeae	Microscypha	not identified	PDA; dichloran-glycerol agar (DG-18); malt	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

							extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)					
The Lemos Pantheon	Ascomycota	Sordariomycetes	Xylariomycetidae	Xylariales	Hansfordia	pulvinata	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	nigrum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Chaetothyriales	Cyphellophoraceae	Cyphellophora	olivaceae	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

							10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)					
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	tenellum	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	not identified	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	psychrotolerans	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

							base (RB); DSMZ 372- Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)					
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	floccosum	PDA; dichloran- glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372- Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	PDA; dichloran- glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372- Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	conicus	PDA; dichloran- glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372- Halobacteria medium	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]

							supplemented with 10% NaCl (w/v) (HM 10%)					
The Lemos Pantheon	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	alternata	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	charticola	PDA; dichloran-glycerol agar (DG-18); malt extract agar supplemented with 10% NaCl (w/v) (MEA 10%); Czapek solution agar (CZ); rose bengal agar base (RB); DSMZ 372-Halobacteria medium supplemented with 10% NaCl (w/v) (HM 10%)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2022 [34]
Petroglyph sites from the Negev Desert	Ascomycota	Coniocybomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Dothideomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Taphrinomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Schizosaccharomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]

Petroglyph sites from the Negev Desert	Ascomycota	Pneumocystidomyces	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Neoelectromycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Saccharomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Pezizomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Orbiliomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Xylonomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Sordariomyceta	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Lichinomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Lecanoromycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Geoglossomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Eurotiomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Basidiomycota	not identified	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]

Petroglyph sites from the Negev Desert	Ascomycota	Dothideomycetes	incertae sedis	incertae sedis	Coniosporium	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Exophiala	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Lecanoromycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Petroglyph sites from the Negev Desert	Ascomycota	Lichinomycetes	not identified	not identified	not identified	not identified	none	whole-genome shotgun sequencing	Outdoors	Israel	/	Nir et al., 2022 [32]
Tomb of D. Afonso I	Ascomycota	Leotiomyces	Helotiales	Sclerotiniaceae	Botrytis	cinerea	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Agaricomycetes	Agaricales	Psathyrellaceae	Coprinellus	domesticus	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Pezizomycetes	Pezizales	Pyrenomataceae	Pyronema	not identified	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]

							with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin					
Tomb of D. Afonso I	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	charticola	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	glaucus	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	pseudoglaucus	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	versicolor	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]

							extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin					
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	westerdijkiae	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Parengyodontium	album	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	brevicompactum	(Potato dextrose agar (PDA),	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]

							dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin					
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	chrysogenum	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	glabrum	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Dothideomycetes	Dothideales	Sacotheciaceae	Aureobasidium	pullulans	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]

Tomb of D. Afonso I	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	Chaetomium	spicutipilium	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v))) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	dominicanum	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v))) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	ramotenellum	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v))) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	sphaerospermum	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]

							medium (NaCl 15% (w/v)) + streptomycin					
Tomb of D. Afonso I	Basidiomycota	Tremellomycetes	Cystofilobasidiales	Cystofilobasidiaceae	Cystofilobasidium	infirmominiatum	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Wallemiomycetes	Wallemiales	Wallemiaceae	Wallemia	mellicola	(Potato dextrose agar (PDA), dichloran-glycerol agar (DG-18), Malt extract agar (MEA) supplemented with NaCl (10% (w/v)), DSMZ 372-Halobacteria medium (NaCl 15% (w/v)) + streptomycin	CDM (PCR)	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Ascochyta	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Agaricales	Psathyrellaceae	Coprinellus	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Agaricales	Psathyrellaceae	Coprinopsis	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Agaricales	Physalacriaceae	Cryptomarasmius	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Onygenales	Gymnoascaceae	Gymnoascoideus	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]

Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Agaricales	Strophariaceae	Hypholoma	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Agaricales	Inocybaceae	Mallocybe	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Sordariomycetes	Xylariales	incertae sedis	Neophysalospora	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Russulales	Peniophoraceae	Peniophora	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Phialosimplex	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Tremellomycetes	Cystofilobasidiales	Mrakiaceae	Pholiota	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Agaricales	Psathyrellaceae	Psathyrella	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Polyporales	Polyporaceae	Trametes	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Trechisporales	Hydnodontaceae	Trechispora	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Tremellomycetes	Cystofilobasidiales	Mrakiaceae	Udeniomyces	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	Agricales	not identified	not identified	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Agaricomycetes	not identified	not identified	not identified	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Eurotiomycetes	Onygenales	Gymnoascaceae	Gymnoascus	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Basidiomycota	Wallemiomycetes	Wallemiales	Wallemiaceae	Wallemia	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Tomb of D. Afonso I	Ascomycota	Sordariomycetes	incertae sedis	incertae sedis	Hypocreomycetidae	not identified	none	NGS	Indoors	Portugal	/	Trovão et al., 2020 [46]
Stone statue of St. Helena	Ascomycota	Sordariomycetes	Microascales	Microascaceae	Scopulariopsis	acremonium	MEA, PDA, and DRBC	REP and RAMP PCR	Indoors	Slovakia	/	Pangallo et al., 2009 [27]
Stone statue of St. Helena	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	nidulans	MEA, PDA, and DRBC	REP and RAMP PCR	Indoors	Slovakia	/	Pangallo et al., 2009 [27]
Stone statue of St. Helena	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	niger	MEA, PDA, and DRBC	REP and RAMP PCR	Indoors	Slovakia	/	Pangallo et al., 2009 [27]
Stone statue of St. Helena	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	awamori	MEA, PDA, and DRBC	REP and RAMP PCR	Indoors	Slovakia	/	Pangallo et al., 2009 [27]

Stone statue of St. Helena	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	Chaetomium	globulosum	MEA, PDA, and DRBC	REP and RAMP PCR	Indoors	Slovakia	/	Pangallo et al., 2009 [27]
Stone statue of St. Helena	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	Chaetomium	cladosporioides	MEA, PDA, and DRBC	REP and RAMP PCR	Indoors	Slovakia	/	Pangallo et al., 2009 [27]
Stone statue of St. Helena	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	chrysogenum	MEA, PDA, and DRBC	REP and RAMP PCR	Indoors	Slovakia	/	Pangallo et al., 2009 [27]
Stone statue of St. Helena	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	not identified	MEA, PDA, and DRBC	REP and RAMP PCR	Indoors	Slovakia	/	Pangallo et al., 2009 [27]
Stone statue of St. Helena	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	MEA, PDA, and DRBC	REP and RAMP PCR	Indoors	Slovakia	/	Pangallo et al., 2009 [27]
Santa Clara-a-Velha Monastery	Ascomycota	Dothideomycetes	Mycosphaerellales	Teratosphaeriaceae	Capnobotryella	not identified	culture medium	CDM (PCR)	Outdoors	Portugal	/	Pinheiro et al., 2019 [25]
Santa Clara-a-Velha Monastery	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	culture medium	CDM (PCR)	Outdoors	Portugal	/	Pinheiro et al., 2019 [25]
Santa Clara-a-Velha Monastery	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Cyphelophora	lacciniata	culture medium	CDM (PCR)	Outdoors	Portugal	/	Pinheiro et al., 2019 [25]
Santa Clara-a-Velha Monastery	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	not identified	culture medium	CDM (PCR)	Outdoors	Portugal	/	Pinheiro et al., 2019 [25]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Beauveria	bassiana	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Sordariomycetes	Hypocreales	Stachybotryaceae	Stachybotrys	chartarum	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	not identified	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	speluncae	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	glandicola	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	citrinum	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	tubingensis	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Dothideomycetes	Pleosporales	Cucurbitariaceae	Neocucurbitaria	irregularis	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]

Tombs in the Père-Lachaise Cemetery	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	not identified	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Dothideomycetes	Dothideales	Sacrotheciaceae	Aureobasidium	metanogenum	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Ascomycota	Dothideomycetes	Dothideales	Sacrotheciaceae	Aureobasidium	not identified	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Tombs in the Père-Lachaise Cemetery	Mucoromycota	Mucoromycetes	Mucorales	Mucoraceae	Mucor	circinelloides	PDA, Melin Norkans agar	CDM (PCR)	Outdoors	France	/	Balland-Bolou-Bi et al., 2023 [49]
Santa Clara-a-Velha Monastery	Ascomycota	Dothideomycetes	Mycosphaerellales	Teratosphaeriaceae	Capnobotryella	not identified	liquid medium BG11	CDM (PCR)	Outdoors	Portugal	green	Miller et al., 2008 [63]
Santa Clara-a-Velha Monastery	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	liquid medium BG11	CDM (PCR)	Outdoors	Portugal	green	Miller et al., 2008 [63]
Santa Clara-a-Velha Monastery	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Cyphellophora	laciniata	liquid medium BG11	CDM (PCR)	Outdoors	Portugal	green	Miller et al., 2008 [63]
Feilaifeng	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Feilaifeng	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Feilaifeng	Ascomycota	Sordariomycetes	Xylariales	Sporocadaceae	Pestalotiopsis	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Feilaifeng	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Feilaifeng	Ascomycota	Sordariomycetes	Glomerellales	Glomerellaceae	Colletotrichum	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Feilaifeng	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Feilaifeng	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Phoma	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Feilaifeng	Ascomycota	Sordariomycetes	Diaporthales	Valsaceae	Phomopsis	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Feilaifeng	Ascomycota	Tremellomycetes	Tremellales	Bulleribasidiaceae	Hannaella	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Feilaifeng	Ascomycota	Sordariomycetes	Hypocreales	Clavicipitaceae	Aschersonia	not identified	modified B4 medium	CDM (PCR)	Outdoors	China	white	Li et al., 2018 [21]
Church of Boris and Gleb	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Parengyodontium	album	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
The Tver Regional Art Gallery	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Parengyodontium	album	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Saint George Cathedral in Yuryev-Polsky	Ascomycota	Sordariomycetes	Hypocreales	Sarocladiaceae	Sarocladium	kiliense	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]

Church of Boris and Gleb	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Lecanicillium	not identified	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Rozhdestvenskiy Cathedral	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	charticola	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Bogolyubskiy Cathedral	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	charticola	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Church of Boris and Gleb	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	furcatum	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Church of Boris and Gleb	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	chrysogenum	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Bogolyubskiy Cathedral	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	langeronii	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Bogolyubskiy Cathedral	Ascomycota	Leotiomycetes	incertae sedis	Pseudeurotiaceae	Pseudogymnoascus	pannorum	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Saint George Cathedral in Yuryev-Polsky	Ascomycota	Leotiomycetes	incertae sedis	Pseudeurotiaceae	Pseudogymnoascus	pannorum	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Bogolyubskiy Cathedral	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	Verticillium	zaregamsianum	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Bogolyubskiy Cathedral	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	flavus	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Saint George Cathedral in Yuryev-Polsky	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	aurantiogriseum	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Church of Boris and Gleb	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	Talaromyces	funiculosus	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Bogolyubskiy Cathedral	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	Talaromyces	funiculosus	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Saint George Cathedral in Yuryev-Polsky	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Saint George Cathedral in Yuryev-Polsky	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	harzianum	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]

The Tver Regional Art Gallery	Mucoromycota	Umbelopsidomycetes	Umbelopsidales	Umbelopsidaceae	Umbelopsis	nana	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
The State Tretyakov Gallery's Archive	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	glabrum	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Rozhdestvenskiy Cathedral	Ascomycota	Sordariomycetes	Hypocreales	incertae sedis	Emericellopsis	not identified	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Bogolyubskiy Cathedral	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	not identified	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Saint George Cathedral in Yuryev-Polsky	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	not identified	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Church of Boris and Gleb	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	Acrostalagmus	luteoalbus	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Saint George Cathedral in Yuryev-Polsky	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	alternata	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Saint George Cathedral in Yuryev-Polsky	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	Epicoccum	nigrum	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Bogolyubskiy Cathedral	Ascomycota	Leotiomycetes	Helotiales	Sclerotiniaceae	Botrytis	not identified	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
Saint George Cathedral in Yuryev-Polsky	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	not identified	Czapek medium and Starch Czapek medium	CDM (PCR)	Indoors	Russia	/	Ponizovskaya et al., 2019 [68]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Mycosphaerellales	Aeminiaceae	Saxispiralis	lemnorum	Rose Bengal Agar Base with streptomycin (0.5 g L ⁻¹)	CDM (PCR)	Indoors	Portugal	CaCO ₃ dissolution	Paiva et al., 2023 [54]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Mycosphaerellales	Aeminiaceae	Aeminium	ludgeri	Rose Bengal Agar Base with streptomycin (0.5 g L ⁻¹)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [54]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Mycosphaerellales	Neodevriesiaceae	Neodevriesia	bulbillosa	Rose Bengal Agar Base with streptomycin (0.5 g L ⁻¹)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [54]

The Lemos Pantheon	Ascomycota	Dothideomycetes	Mycosphaerellales	Neodevriesiaceae	Neodevriesia	modesta	Rose Bengal Agar Base with streptomycin (0.5 g L ⁻¹)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [54]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Mycosphaerellales	Neodevriesiaceae	Neodevriesia	queenslandica	Rose Bengal Agar Base with streptomycin (0.5 g L ⁻¹)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [54]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Dothideomycetidae	Extremaceae	Extremus	antarcticus	Rose Bengal Agar Base with streptomycin (0.5 g L ⁻¹)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [54]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Dothideomycetidae	Extremaceae	Extremus	adstrictus	Rose Bengal Agar Base with streptomycin (0.5 g L ⁻¹)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [54]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Capnodiales	incertae sedis	Xenodevriesia	strelitzicola	Rose Bengal Agar Base with streptomycin (0.5 g L ⁻¹)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [54]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	ramotenellum	Rose Bengal Agar Base with streptomycin (0.5 g L ⁻¹)	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [54]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Parengyodontium	album	Malt extract agar with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	cladosporioides	Rose Bengal Agar Base	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Acremonium	charticola	Potato Dextrose Agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]

The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	brevicompactum	Potato Dextrose Agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	allicinum	Potato Dextrose Agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Leotiomycetes	Helotiales	Mollisiaceae	Tapesia	fusca	Malt extract agar with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	jiangxiense	372-Halobacteria medium with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	protuberus	Malt extract agar with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Basidiomycota	Agaricomycetes	Agaricales	Psathyrellaceae	Coprinellus	micaceus	Czapek agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Hypocreales	Stachybotryaceae	Stachybotrys	chartarum	Malt extract agar with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Chaetothyriales	Cyphellophoraceae	Cyphellophora	olivacea	Malt extract agar with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	penicillioides	372-Halobacteria medium with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	crustosum	372-Halobacteria medium with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]

The Lemos Pantheon	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria	infectoria	Czapek agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Dothideomycetidae	Mycosphaerellales	Amycosphaerella	africana	Rose Bengal Agar Base	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	halotolerans	Potato Dextrose Agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Basidiomycota	Agaricomycetes	Russulales	Stereaceae	Stereum	hirsutum	Potato Dextrose Agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Sordariomycetes	Diaporthales	Diaporthaceae	Diaporthe	foeniculina	Malt extract agar with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Dothideomycetes	Cladosporiales	Cladosporiaceae	Cladosporium	sinuosum	372-Halobacteria medium with 10% NaCl	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
The Lemos Pantheon	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	Talaromyces	acaricola	Czapek agar	CDM (PCR)	Indoors	Portugal	/	Paiva et al., 2023 [35]
Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Ascomycota	Eurotiomycetes	Chaetothyriales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	green-orange	Rabbachin et al., 2023 [15]
Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Ascomycota	Eurotiomycetes	Eurotiales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	green-orange	Rabbachin et al., 2023 [15]
Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Ascomycota	Sordariomycetes	Glomerellales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	none	Rabbachin et al., 2023 [15]

Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Ascomycota	Leotiomycetes	Helotiales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	green-orange	Rabbachin et al., 2023 [15]
Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Ascomycota	Sordariomycetes	Hypocreales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	dark green	Rabbachin et al., 2023 [15]
Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Ascomycota	Lecanoromycetes	Lecanorales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	green-orange	Rabbachin et al., 2023 [15]
Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Ascomycota	Eurotiomycetes	Onygenales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	none	Rabbachin et al., 2023 [15]
Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Ascomycota	Sordariomycetes	Ophiostomatales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	none	Rabbachin et al., 2023 [15]
Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Ascomycota	Dothideomycetes	Pleosporales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	green-orange	Rabbachin et al., 2023 [15]
Austrian petroglyphs from Hallstatt-Dachstein/Salzkammergut	Basidiomycota	Agaricomycetes	Agaricales	not identified	not identified	not identified	none	Nanopore sequencing	Outdoors	Austria	none	Rabbachin et al., 2023 [15]
Lascaux Cave	Ascomycota	Eurotiomycetes	Onygenales	Onygenaceae	Chrysosporium	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]

Lascaux Cave	Ascomycota	Leotiomyces	incertae sedis	Pseudeurotiaceae	Pseudogymnoascus	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Ilyonectria	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Trichoderma	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Basidiomycota	Agaricomycetes	Sebacinales	Serendipitaceae	Serendipita	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Sordariomycetes	Microascales	Microascaceae	Cephalotrichum	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	not identified	not identified	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Leotiomyces	incertae sedis	Myxotrichaceae	Oidiodendron	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Clonostachys	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Gliomastix	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Dothideomycetes	Venturiales	Sympoventuriaceae	Ochroconis	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]

Lascaux Cave	Ascomycota	Mortierellomycetes	Mortierellales	Mortierellaceae	Mortierella	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Saccharomycetes	Saccharomycetales	Saccharomycetaceae	Saccharomyces	not identified	none	NGS	Cave	France	dark	Bontemps et al., 2023 [9]
Lascaux Cave	Ascomycota	Dothideomycetes	Venturiales	Sympoventuriaceae	Ochroconis	lascauxensis	MEA	PCR	Cave	France	black	Martin-Sanchez et al., 2013 [8]
Lascaux Cave	Ascomycota	Dothideomycetes	Venturiales	Sympoventuriaceae	Ochroconis	anomala	MEA	PCR	Cave	France	black	Martin-Sanchez et al., 2013 [8]
Lascaux Cave	Ascomycota	Leotiomycetes	incertae sedis	Pseudeurotiaceae	Geomyces	pannorum	MEA	PCR	Cave	France	black	Martin-Sanchez et al., 2013 [8]
Lascaux Cave	Ascomycota	incertae sedis	incertae sedis	incertae sedis	Engyodontium	album	MEA	PCR	Cave	France	black	Martin-Sanchez et al., 2013 [8]
Lascaux Cave	Ascomycota	Dothideomycetidae	Cladosporiales	Cladosporiaceae	Cladosporium	not identified	MEA	PCR	Cave	France	black	Martin-Sanchez et al., 2013 [8]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	not identified	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	not identified	not identified	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Clavicipitaceae	Pochonia	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	Stachybotrys	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Sordariomycetes	not identified	not identified	not identified	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Fusarium	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	Ilyonectria	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	Geosmithia	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	Beauveria	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	Candida	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Basidiomycota	Agaricomycetes	Auriculariales	Exidiaceae	Exidia	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]

Lascaux Cave	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	Schwanniomyces	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Eurotiomycetes	Onygenales	not identified	not identified	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Eurotiomycetes	Onygenales	Arthrodermataceae	Arthroderma	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Aspergillus	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	Penicillium	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Dothideomycetidae	Cladosporiales	Cladosporiaceae	Davidiella	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Sordariomycetes	Xylariales	Xylariaceae	Ascotricha	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Basidiomycota	Agaricomycetes	Atheliales	Atheliaceae	not identified	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Basidiomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	Rhodotorula	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Orbiliomycetes	Orbiliales	Orbiliaceae	Arthrobotrys	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Dothideomycetes	Venturiales	Sympoventuriaceae	Ochroconis	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	not identified	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Capronia	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Exophiala	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]
Lascaux Cave	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Rhinocladiella	not identified	none	NGS	Cave	France	black	Alonso et al., 2018 [10]