

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
Water	Tween 80	N-Acetyl-D-Galactosamine	N-Acetyl-D-Glucosamine	N-Acetyl-D-Mannosamine	Adonitol	Amygdalin	D-Arabinose	L-Arabinose	D-Arabitol	Arbutin	D-Cellobiose
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
®-Cyclodextrin	®-Cyclodextrin	Dextrin	i-Erythritol	D-Fructose	L-Fucose	D-Galactose	D-Galacturonic Acid	Gentiobiose	D-Gluconic Acid	D-Glucosamine	®-D-Glucose
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
Glucose-1-Phosphate	Glucuronamide	D-Glucuronic Acid	Glycerol	Glycogen	m-Inositol	2-Keto-D-Gluconic Acid	®-D-Lactose	Lactulose	Maltitol	Maltose	Maltotriose
D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12
D-Mannitol	D-Mannose	D-Melezitose	D-Melibiose	®-Methyl-D-Galactoside	®-Methyl-D-Galactoside	®-Methyl-D-Glucoside	®-Methyl-D-Glucoside	Palatinose	D-Psicose	D-Raffinose	L-Rhamnose
E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12
D-Ribose	Salicin	Sedoheptulosan	D-Sorbitol	L-Sorbose	Stachyose	Sucrose	D-Tagatose	D-Trehalose	Turanose	Xylitol	D-Xylose
F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12
®-Amino-butyric Acid	Bromosuccinic Acid	Fumaric Acid	®-Hydroxy-butyric Acid	®-Hydroxy-butyric Acid	p-Hydroxyphenyl-acetic Acid	®-Keto-glutaric Acid	D-Lactic Acid	L-Lactic Acid	D-Malic Acid	L-Malic Acid	Quinic Acid
G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12
D-Saccharic Acid	Sebacic Acid	Succinamic Acid	Succinic Acid	Succinic Acid	N-Acetyl-Mono-Methyl Ester	Alaninamide	L-Alanine	L-Alanyl-Glycine	L-Asparagine	L-Aspartic Acid	L-Glutamic Acid
H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12
Glycyl-L-Glutamic Acid	L-Ornithine	L-Phenylalanine	L-Proline	L-Pyroglutamic Acid	L-Serine	L-Threonine	2-Amino Ethanol	Putrescine	Adenosine	Uridine	Adenosine-5'-Monophosphate

Figure S1. Carbon sources in FF microplate with 95 wells, containing water as a control



Figure S2. Liofilchem MIC test strip with 0.002-32 µg/ml posaconazole. The MIC test strip for voriconazole has the same concentration range

Compound	1 - <i>A. fumigatus</i>	2 - <i>A. fumigatus</i>	3 - <i>A. fumigatus</i>	4 - <i>A. fumigatus</i>	5 - <i>A. fumigatus</i>	6 - <i>A. fumigatus</i>	7 - <i>A. fumigatus</i>	8 - <i>A. fumigatus</i>	9 - <i>A. fumigatus</i>	10 - <i>A. niger</i>	11 - <i>A. fumigatus</i>	12 - <i>A. niger</i>	13 - <i>A. niger</i>	14 - <i>A. fumigatus</i>	15 - <i>A. fumigatus</i>	16 - <i>A. fumigatus</i>	17 - <i>A. fumigatus</i>	18 - <i>A. niger</i>	19 - <i>A. fumigatus</i>	20 - <i>A. fumigatus</i>	21 - <i>A. niger</i>	22 - <i>A. flavus</i>	23 - <i>A. fumigatus</i>	24 - <i>A. fumigatus</i>	25 - <i>A. niger</i>	26 - <i>A. fumigatus</i>	27 - <i>A. fumigatus</i>	28 - <i>A. fumigatus</i>	29 - <i>A. fumigatus</i>	30 - <i>A. niger</i>	31 - <i>A. fumigatus</i>	32 - <i>A. flavus</i>	33 - <i>A. niger</i>	34 - <i>A. fumigatus</i>	35 - <i>A. fumigatus</i>	36 - <i>A. fumigatus</i>
Apramycin sulphate	0.315	0.278	0.253	0.4	0.201	0.249	0.281	2.198	2.16	0.662	0.232	1.198	0.451	0.253	2.175	0.685	0.324	0.555	0.33	0.226	0.233	0.326	0.269	0.286	0.265	0.233	0.24	0.361	0.706	0.19	0.32	0.274	0.225	0.35	0.35	0.36
Aminacrine	0.367	0.306	0.255	0.311	0.209	0.303	0.269	2.145	2.026	1.577	0.243	1.225	0.226	0.325	2.287	0.295	0.307	1.509	0.275	0.276	0.199	0.392	0.274	0.305	0.194	0.343	0.37	0.28	0.318	0.199	0.419	0.382	0.253	0.296	0.31	0.306
Zaragozic acid A	0.237	0.248	0.226	0.253	0.191	0.212	0.217	1.783	1.919	1.91	0.191	1.45	0.173	0.237	1.88	0.259	0.236	1.729	0.243	0.203	0.174	0.289	0.221	0.249	0.167	0.226	0.233	0.265	0.272	0.171	0.272	0.259	0.215	0.259	0.3	0.273
Blasticidin hydrochloride	0.268	0.302	0.258	0.304	0.203	0.246	0.318	2.441	2.047	0.948	0.254	0.697	0.199	0.253	1.852	0.312	0.308	0.549	0.248	0.229	0.182	0.351	0.278	0.295	0.189	0.26	0.218	0.283	0.305	0.204	0.277	0.275	0.267	0.268	0.284	0.319
Thiordazine hydrochloride	0.282	0.298	0.247	0.288	0.202	0.256	0.295	2.067	2.23	2.131	0.27	1.624	0.232	0.262	2.126	0.313	0.307	2.061	0.256	0.236	0.195	0.349	0.328	0.31	0.189	0.262	0.248	0.282	0.304	0.267	0.279	0.289	0.292	0.282	0.294	0.316
Sodium benzoate	0.291	0.311	0.265	0.304	0.221	0.289	0.302	2.067	2.223	2.04	0.247	1.588	0.227	0.277	2.105	0.313	0.321	1.674	0.262	0.24	0.196	0.416	0.317	0.304	0.195	0.271	0.235	0.305	0.314	0.238	0.283	0.298	0.275	0.31	0.298	0.311
Chlortetracycline hydrochloride	0.346	0.343	0.307	0.323	0.268	0.31	0.338	2.095	1.399	1.387	0.336	0.741	0.264	0.352	1.37	0.403	0.398	0.724	0.4	0.3	0.268	0.402	0.31	0.402	0.225	0.368	0.281	0.336	0.408	0.282	0.33	0.442	0.324	0.328	0.416	0.382
Sodium metasilicate	0.259	0.31	0.257	0.294	0.222	0.257	0.275	2.11	2.077	0.491	0.296	0.615	0.242	0.295	2.028	0.338	0.33	0.822	0.311	0.253	0.19	0.351	0.289	0.308	0.204	0.324	0.342	0.29	0.323	0.231	0.28	0.324	0.255	0.289	0.295	0.34
Pentamidine isethionate	0.406	0.323	0.288	0.296	0.227	0.283	0.306	2.026	2.076	1.438	0.258	1.515	0.309	0.264	2.161	0.29	0.308	1.669	0.301	0.295	0.36	0.422	0.268	0.341	0.2	0.262	0.286	0.356	0.349	0.271	0.378	0.298	0.357	0.3	0.336	0.346
6-Azauracil	0.329	0.293	0.247	0.287	0.196	0.246	0.362	2.252	2.261	1.953	0.247	1.648	0.226	0.258	2.058	0.305	0.296	1.702	0.314	0.229	0.198	0.316	0.364	0.285	0.243	0.259	0.204	0.257	0.315	0.277	0.274	0.297	0.236	0.294	0.293	0.314
Potassium chromate	0.273	0.283	0.258	0.369	0.228	0.257	0.268	1.788	1.405	1.855	0.246	1.524	0.246	0.269	1.334	0.329	0.319	1.701	0.27	0.267	0.202	0.34	0.248	0.291	0.205	0.323	0.23	0.286	0.334	0.2	0.28	0.325	0.24	0.304	0.312	0.338
Thialysine	0.319	0.27	0.258	0.279	0.221	0.26	0.306	2.185	2.001	1.411	0.226	1.519	0.199	0.232	1.914	0.284	0.275	1.253	0.266	0.217	0.189	0.335	0.229	0.231	0.181	0.246	0.268	0.286	0.309	0.25	0.317	0.331	0.253	0.291	0.312	0.313
Berberine	0.338	0.311	0.349	0.305	0.286	0.284	0.286	2.217	2.146	2	0.354	1.689	0.309	0.314	2.081	0.519	0.449	1.49	0.653	0.313	0.256	0.356	0.271	0.312	0.281	0.306	0.437	0.335	0.439	0.281	0.426	0.432	0.35	0.447	0.253	0.389
EGTA	0.309	0.322	0.311	0.369	0.3	0.32	0.266	2.393	2.282	2.175	0.305	1.884	0.261	0.33	2.248	0.375	0.393	2.052	0.435	0.32	0.221	0.402	0.273	0.342	0.218	0.413	0.277	0.36	0.392	0.319	0.33	0.455	0.319	0.351	0.34	0.46
Sodium pyrophosphate decahydrate	0.36	0.374	0.338	0.395	0.303	0.368	0.286	2.196	2.362	0.951	0.327	1.296	0.321	0.327	2.277	0.365	0.368	1.028	0.433	0.317	0.263	0.426	0.326	0.35	0.277	0.385	0.341	0.369	0.404	0.273	0.363	0.447	0.332	0.353	0.382	0.53
Isoniazid	0.392	0.269	0.238	0.282	0.203	0.258	0.267	1.59	1.545	0.757	0.215	0.514	0.178	0.238	1.692	0.281	0.265	0.551	0.382	0.216	0.184	0.319	0.261	0.295	0.182	0.239	0.219	0.254	0.277	0.144	0.258	0.251	0.207	0.28	0.271	0.254
Methyl viologen dichloride hydrate	0.289	0.354	0.296	0.276	0.221	0.318	0.302	1.714	1.305	0.704	0.297	0.646	0.321	0.314	1.203	0.4	0.333	0.48	0.289	0.295	0.26	0.374	0.341	0.29	0.233	0.363	0.283	0.32	0.398	0.334	0.305	0.446	0.292	0.291	0.369	0.347
Sodium fluoride	0.36	0.278	0.308	0.301	0.241	0.268	0.298	1.58	1.576	0.885	0.215	1.411	0.188	0.254	1.709	0.293	0.288	1.02	0.362	0.225	0.172	0.324	0.235	0.155	0.143	0.234	0.291	0.347	0.319	0.186	0.32	0.26	0.234	0.288	0.322	0.181
Cisplatin	0.675	0.288	0.263	0.3	0.209	0.253	0.297	1.394	1.447	0.69	0.244	0.628	0.219	0.246	1.416	0.295	0.283	0.568	0.59	0.236	0.186	0.33	0.257	0.306	0.196	0.266	0.242	0.308	0.319	0.186	0.271	0.274	0.248	0.316	0.301	0.305
Aluminium sulphate	0.346	0.39	0.292	0.337	0.245	0.291	0.27	1.537	1.393	0.712	0.323	0.781	0.253	0.358	1.464	0.317	0.375	0.474	0.336	0.261	0.252	0.44	0.329	0.304	0.284	0.292	0.286	0.317	0.347	0.339	0.367	0.317	0.26	0.325	0.376	0.341
Fluconazole	0.379	0.27	0.279	0.265	0.186	0.272	0.441	0.908	1.181	0.649	0.206	0.989	0.194	0.278	1.264	0.282	0.263	0.522	0.475	0.253	0.169	0.3	0.277	0.185	0.139	0.206	0.249	0.315	0.322	0.151	0.283	0.282	0.216	0.288	0.324	0.269
Propiconazole	0.328	0.294	0.265	0.33	0.215	0.311	0.277	1.656	1.189	1.035	0.221	0.759	0.209	0.253	1.256	0.286	0.278	1.098	0.471	0.227	0.189	0.315	0.243	0.271	0.194	0.258	0.227	0.276	0.295	0.178	0.262	0.271	0.216	0.279	0.275	0.276
Tamoxifen	0.33	0.298	0.262	0.328	0.218	0.276	0.297	1.497	1.185	0.641	0.222	0.494	0.225	0.25	1.301	0.28	0.287	0.505	0.486	0.248	0.192	0.31	0.255	0.287	0.175	0.258	0.244	0.267	0.306	0.191	0.267	0.272	0.204	0.273	0.264	0.261

Figure S3. Absorbance readings taken at 750nm after 48hr of incubation of isolates in a growth medium incorporated with the 24 compounds. Red indicates susceptibility and yellow indicates the resistance of isolates to the potential antifungal compounds.

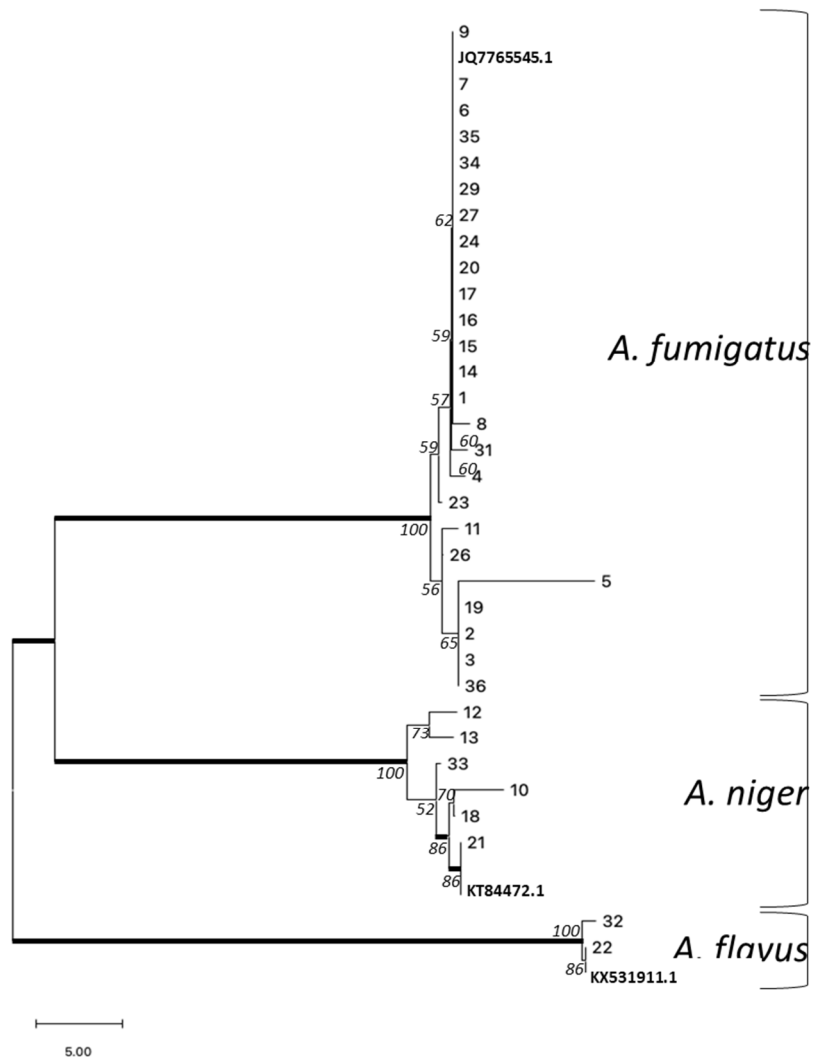


Figure S4. Phylogenetic tree showing isolates of *Aspergillus* species. The sequences were aligned and the tree was done using Neighbour-Joining analysis and visualised on Treebase. dark lines that the branches with more than 75% support with UPGMA to the NJ tree (1000 bootstrap).