

Supplementary Material

Table 1. Overview of the 50 *C. auris* strains used in this study. In vitro anidulafungin, micafungin and caspofungin susceptibility test using CLSI and MBT ASTRA for respective isolates have been shown. Six strains were constantly resistant against 3 antifungals by 2 different methods (strains number 22, 24-28).

	<i>C. auris</i> Strains	Origin	CLSI MIC (Visually) [$\mu\text{g/ml}$] 24 h			MBT ASTRA MIC [$\mu\text{g/ml}$] 24 h			Amino acid substitution in FKS1 HSI
			Anidulafungin	Micafungin	Caspofungin	Anidulafungin	Micafungin	Caspofungin	
1	CDC_381 ^{ac}	Japan	0.5	4	0.25	0.125	4	1	Not available
2	CDC_382 ^{ac}	Unknown	1	4	0.25	0.125	4	1	Not available
3	CDC_383 ^{ac}	South Africa	1	4	0.5	0.25	2	1	Not available
4	CDC_384 ^{ac}	South Africa	1	4	0.25	0.125	1	0.5	Not available
5	CDC_385 ^{ac}	Venezuela	1	4	0.5	0.25	4	0.5	Not available
6	CDC_386 ^{ab}	Venezuela	1	4	0.25	0.5	4	2	Not available
7	CDC_387 ^{ac}	Pakistan	1	8	0.25	2	4	2	Not available
8	CDC_388 ^{ac}	Pakistan	4	4	0.5	2	8	>8	Not available
9	CDC_389 ^{ac}	India	0.5	4	0.25	4	>8	8	Not available
10	CDC_390 ^{ab}	India	2	8	>16	0.125	1	8	Not available
11	TAU_171103-23 ^{ab}	Israel	0.5	8	0.5	0.125	4	0.5	No mutations
12	TAU_171103-24 ^{ab}	Israel	0.5	8	0.5	0.125	1	0.5	No mutations
13	TAU_171103-156 ^{ab}	Israel	0.5	8	0.5	0.25	8	1	No mutations
14	TAU_171103-172 ^{ab}	Israel	0.5	8	0.5	0.125	4	1	No mutations
15	TAU_171103-197 ^{ab}	Israel	0.5	8	0.5	0.125	0.5	1	No mutations
16	TAU_171103-201 ^{ab}	Israel	0.5	8	0.5	2	4	1	No mutations
17	TAU_171103-597 ^{ab}	South Africa	1	8	0.5	0.125	1	0.5	No mutations
18	TAU_171103-598 ^{ab}	South Africa	1	8	0.5	0.5	2	1	No mutations
19	CBS 31062 ^{ab}	India	0.25	4	0.25	0.06	4	0.125	No mutations
20	KCTC 17810 ^{ab}	India	0.25	4	0.125	0.5	4	1	No mutations
21	CWZ_10031064 ^{ab}	India	0.25	4	0.25	0.125	2	0.125	No mutations
22	CWZ_10051257 ^{ab}	India	>16	>16	>16	>8	>8	8	S639F
23	CWZ_10051259 ^{ab}	India	2	8	1	0.06	8	8	No mutations
24	CWZ_10051262 ^{ab}	India	>16	>16	>16	>8	>8	8	S639F
25	CWZ_10051266 ^{ab}	India	>16	>16	>16	>8	>8	8	S639F
26	CWZ_10051295 ^{ab}	India	>16	>16	>16	>8	>8	8	S639F
27	CWZ_10051297 ^{ab}	India	>16	>16	>16	>8	>8	8	S639F
28	Bgm_180321 ^{ac}	Kuwait	16	16	>16	>8	>8	>8	Not available

29	CBS 10913 ^{ab}	Japan	0.5	2	0.25	0.125	2	1	Not available
30	CBS 12372 ^{ab}	Korea	2	4	0.25	0.125	0.5	0.125	Not available
31	CBS 12766 ^{ab}	India	2	8	1	2	1	>8	Not available
32	CBS 12767 ^{ab}	India	2	8	0.5	0.25	2	1	Not available
33	CBS 12768 ^{ab}	India	2	4	0.5	0.25	2	2	Not available
34	CBS 12769 ^{ab}	India	2	4	0.5	2	2	1	Not available
35	CBS 12770 ^{ab}	India	2	2	>16	1	8	>8	Not available
36	CBS 12771 ^{ab}	India	2	8	0.5	2	4	8	Not available
37	CBS 12772 ^{ab}	India	2	4	>16	2	2	>8	Not available
38	CBS 12773 ^{ab}	India	2	4	0.5	2	4	8	Not available
39	CBS 12774 ^{ab}	India	0.25	4	1	0.06	4	>8	Not available
40	CBS 12775 ^{ab}	India	0.125	0.125	0.06	0.5	2	>8	Not available
41	CBS 12776 ^{ab}	India	4	8	>16	1	4	>8	Not available
42	CBS 12777 ^{ab}	India	1	8	>16	0.5	2	>8	Not available
43	CBS 12805 ^{ab}	India	2	8	1	0.5	4	>8	Not available
44	CBS 12806 ^{ab}	India	2	4	0.5	0.5	2	>8	Not available
45	CBS 12876 ^{ab}	India	0.25	2	0.5	2	4	>8	Not available
46	CBS 12877 ^{ab}	India	4	8	>16	2	4	>8	Not available
47	CBS 14916 ^{ab}	Oman	0.5	4	0.5	2	4	>8	Not available
48	CBS 14918 ^{ab}	Oman	2	8	1	>8	>8	>8	Not available
49	CBS 15108 ^{ab}	Oman	0.25	2	0.25	0.25	4	0.5	Not available
50	CBS 15109 ^{ab}	Oman	0.25	2	0.25	0.25	2	>8	Not available
	ATCC 64548 ^a	Quality control	0.06	0.125	0.06	≤0.25	≤0.5	≤0.5	
	ATCC 64550 ^a	Quality control	0.06	0.06	0.125	≤0.25	≤0.5	≤0.25	
	ATCC 22019 ^{×a}	Quality control	1	2	2	×	×	×	
	ATCC 6258 ^{×a}	Quality control	0.125	0.25	0.25	×	×	×	

- × These quality control strains were only tested by CLSI.
- a. These strains were identified by MALDI TOF MS.
- b. These strains were identified by Molecular methods.
- c. Information about identification based molecular method is not available.