

Supplementary Material

Azole-resistance in *Aspergillus* section *Terrei* an emerging problem or a rare phenomenon?

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Supplementary Table S1. Investigated isolates in study

Strain	Species	Origin	Specimen	First-line Therapy	Susceptibility testing
1	<i>A. terreus sensu stricto</i>	Italy	BAL	No data	ETest®
2	<i>A. terreus sensu stricto</i>	Italy	BAL	No data	ETest®
3	<i>A. citrinoterreus</i>	Italy	Toenail	No	ETest®
4	<i>A. terreus sensu stricto</i>	Italy	Toenail	No	ETest®
5	<i>A. terreus sensu stricto</i>	Italy	Toenail	No	ETest®
6	<i>A. terreus sensu stricto</i>	Italy	Toenail	No	ETest®
7	<i>A. terreus sensu stricto</i>	Italy	Toenail	No	ETest®
8	<i>A. terreus sensu stricto</i>	Italy	Toenail	No	ETest®
9	<i>A. terreus sensu stricto</i>	Italy	Toenail	No	ETest®
10	<i>A. terreus</i>	Italy	Toenail	No	ETest®

<i>sensu stricto</i>						
11	<i>A. terreus sensu stricto</i>	Italy	Fingernails	No		ETest®
12	<i>A. terreus sensu stricto</i>	Austria	Sputum	No		ETest®
13	<i>A. terreus sensu stricto</i>	Austria	Sputum	Micafungin		ETest®
14	<i>A. terreus sensu stricto</i>	Austria	Sputum	No		ETest®
15	<i>A. terreus sensu stricto</i>	Austria	Sputum	No		ETest®
16	<i>A. terreus sensu stricto</i>	Austria	Sputum	No		ETest®
17	<i>A. terreus sensu stricto</i>	Austria	No data	No data		ETest®
18	<i>A. terreus sensu stricto</i>	Austria	BAL	No		ETest®
19	<i>A. terreus sensu stricto</i>	Austria	Sputum	No		ETest®
20	<i>A. terreus sensu stricto</i>	Austria	BAL	Voriconazole		ETest®
21	<i>Potential new species</i>	Italy	Biopsy	Voriconazole		ETest®
22	<i>A. hortai</i>	Italy	Sputum	Voriconazole		ETest®
23	<i>A. terreus sensu stricto</i>	Austria	Swab	No		ETest®
24	<i>A. terreus sensu stricto</i>	Austria	Sputum	No		ETest®
25	<i>A. terreus</i>	Austria	Sputum	No		ETest®

<i>sensu stricto</i>					
26	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
27	<i>A. citrinoterreus</i>	Germany	BAL	Caspofungin	ETest®
28	<i>A. terreus sensu stricto</i>	Germany	BAL	Caspofungin	ETest®
29	<i>A. terreus sensu stricto</i>	Germany	BAL	No data	ETest®
30	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
31	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
32	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
33	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
34	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
35	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
36	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
37	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
38	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
39	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data	ETest®
40	<i>A. terreus</i>	Germany	Sputum	No data	ETest®

<i>sensu stricto</i>						
41	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data		ETest®
42	<i>A. terreus sensu stricto</i>	Germany	Sputum	No data		ETest®
43	<i>A. terreus sensu stricto</i>	Germany	Bronchial secretion	No data		ETest®
44	<i>A. terreus sensu stricto</i>	Germany	Tracheal secretion	No		ETest®
45	<i>A. terreus sensu stricto</i>	Germany	BAL	Caspofungin		ETest®
46	<i>A. terreus sensu stricto</i>	Germany	BAL	No		ETest®
47	<i>A. terreus sensu stricto</i>	Germany	Sputum	No		ETest®
48	<i>A. terreus sensu stricto</i>	Germany	No data	No data		ETest®
49	<i>A. alabamensis</i>	Germany	Sputum	No data		ETest®
50	<i>A. terreus sensu stricto</i>	Austria	Swab	No data		ETest®
51	<i>A. terreus sensu stricto</i>	Austria	Sputum	No		ETest®
52	<i>A. terreus sensu stricto</i>	Austria	Sputum	No		ETest®
53	<i>A. terreus sensu stricto</i>	Italy	BAL	Voriconazole		ETest®
54	<i>A. citrinoterreus</i>	Spain	Sputum	No		ETest®

58	<i>A. terreus sensu stricto</i>	Austria	Sputum	No	ETest®
59	<i>A. terreus sensu stricto</i>	Austria	Sputum	No	ETest®
60	<i>A. terreus sensu stricto</i>	Austria	Sputum	No	ETest®
61	<i>A. terreus sensu stricto</i>	Italy	No data	No data	ETest®
62	<i>A. terreus sensu stricto</i>	Italy	Tracheobronchial aspirate	No data	ETest®
63	<i>A. alabamensis</i>	Italy	BAL	No data	ETest®
64	<i>A. terreus sensu stricto</i>	Italy	Sputum	Itraconazole	ETest®
66	<i>A. terreus sensu stricto</i>	Austria	Sputum	No	ETest®
67	<i>A. terreus sensu stricto</i>	Austria	Swab	No	ETest®
69	<i>A. terreus sensu stricto</i>	Austria	Sputum	No	ETest®
70	<i>A. terreus sensu stricto</i>	Austria	Swab	No	ETest®
71	<i>A. terreus sensu stricto</i>	Austria	Sputum	No	ETest®
73	<i>A. terreus sensu stricto</i>	Austria	BAL	No	ETest®
74	<i>A. terreus sensu stricto</i>	Austria	Nails	No	ETest®
75	<i>A. terreus sensu stricto</i>	Austria	Nails	No	ETest®

77	<i>A. terreus sensu stricto</i>	Austria	BAL		Liposomal amphotericin B, micafungin	ETest®
78	<i>A. terreus sensu stricto</i>	Denmark	Swab		No	ETest®
79	<i>A. terreus sensu stricto</i>	Denmark	BAL		No	ETest®
80	<i>A. terreus sensu stricto</i>	Denmark	Sputum		Itraconazole	ETest®
81	<i>A. terreus sensu stricto</i>	Denmark	BAL		No	ETest®
82	<i>A. terreus sensu stricto</i>	Denmark	BAL		No	ETest®
83	<i>A. terreus sensu stricto</i>	Denmark	Sputum		Posaconazole	ETest®
84	<i>A. terreus sensu stricto</i>	Denmark	Sputum		No	ETest®
85	<i>A. terreus sensu stricto</i>	Denmark	BAL		No	ETest®
86	<i>A. terreus sensu stricto</i>	Denmark	BAL		No	ETest®
87	<i>A. terreus sensu stricto</i>	Denmark	Sputum, tracheal aspirate		No	ETest®
88	<i>A. terreus sensu stricto</i>	Denmark	Sputum		Posaconazole	ETest®
89	<i>A. terreus sensu stricto</i>	Denmark	Sputum		No	ETest®
90	<i>A. terreus sensu stricto</i>	Denmark	BAL		No	ETest®
91	<i>A. terreus sensu stricto</i>	Denmark	Sputum		No	ETest®

sensu stricto

92	<i>A. terreus sensu stricto</i>	Denmark	Sputum	No	ETest®
93	<i>A. terreus sensu stricto</i>	Denmark	Aspirate	No	ETest®
94	<i>A. terreus sensu stricto</i>	Denmark	Sputum	Posaconazole	ETest®
95	<i>A. terreus sensu stricto</i>	India	BAL	No	ETest®
96	<i>A. terreus sensu stricto</i>	India	BAL	Itraconazole (6 weeks along with steroids)	ETest®
97	<i>A. terreus sensu stricto</i>	India	Biopsy	No	ETest®
98	<i>A. terreus sensu stricto</i>	India	BAL	No	ETest®
99	<i>A. terreus sensu stricto</i>	India	Biopsy	Voriconazole	ETest®
101	<i>A. terreus sensu stricto</i>	India	BAL	Amphotericin deoxycholate	B ETest®
102	<i>A. terreus sensu stricto</i>	India	Biopsy	Itraconazole (6 weeks along with steroids)	ETest®
103	<i>A. terreus sensu stricto</i>	India	BAL	Itraconazole (6 weeks along with steroids)	ETest®
104	<i>A. terreus sensu stricto</i>	India	Biopsy	Voriconazole	ETest®
105	<i>A. terreus sensu stricto</i>	India	Biopsy	Amphotericin deoxycholate	B ETest®
106	<i>A. terreus sensu stricto</i>	India	Biopsy	No	ETest®

<i>sensu stricto</i>						
107	<i>A. terreus sensu stricto</i>	India	BAL	Itraconazole (6 weeks along with steroids)	ETest®	
108	<i>A. terreus sensu stricto</i>	India	Bronchial aspirate	Systemic steroids	ETest®	
110	<i>A. terreus sensu stricto</i>	India	Sputum	No	ETest®	
111	<i>A. terreus sensu stricto</i>	India	BAL	Systemic steroids	ETest®	
112	<i>A. terreus sensu stricto</i>	India	Biopsy	Amphotericin B deoxycholate (two weeks followed by voriconazole next 3-4 weeks)	ETest®	
114	<i>A. terreus sensu stricto</i>	India	BAL	Amphotericin deoxycholate	ETest®	B
115	<i>A. terreus sensu stricto</i>	India	BAL	Voriconazole	ETest®	
116	<i>A. terreus sensu stricto</i>	Austria	BAL	No	ETest®	
117	<i>A. terreus sensu stricto</i>	Austria	BAL	No	ETest®	
118	<i>A. terreus sensu stricto</i>	Texas	Biopsy	No	ETest®	
119	<i>A. hortai</i>	Texas	Sputum	Liposomal amphotericin B	ETest®	
120	<i>A. terreus sensu stricto</i>	Texas	No data	No data	ETest®	
121	<i>A. alabamensis</i>	Texas	BAL	Liposomal amphotericin B	ETest®	

122	<i>A. terreus sensu stricto</i>	Texas	BAL	Caspofungin	ETest®
123	<i>A. terreus sensu stricto</i>	Texas	Peritoneal fluid	Fluconazole	ETest®
124	<i>A. terreus sensu stricto</i>	Texas	BAL	No	ETest®
125	<i>A. terreus sensu stricto</i>	Texas	BAL	No	ETest®
126	<i>A. terreus sensu stricto</i>	Texas	Sputum	Voriconazole	ETest®
127	<i>A. terreus sensu stricto</i>	Texas	No data	No data	ETest®
128	<i>A. terreus sensu stricto</i>	India	Biopsy	Itracoazole (6 weeks along with steroids)	ETest®
129	<i>A. terreus sensu stricto</i>	India	BAL	Itraconazole (6 weeks along with steroids)	ETest®
130	<i>A. terreus sensu stricto</i>	Italy	Sputum	No	ETest®
131	<i>A. terreus sensu stricto</i>	Italy	Sputum	No	ETest®
132	<i>A. terreus sensu stricto</i>	Italy	No data	No data	ETest®
133	<i>A. terreus sensu stricto</i>	Italy	Sputum	No	ETest®
134	<i>A. terreus sensu stricto</i>	Italy	Sputum	No	ETest®
135	<i>A. terreus sensu stricto</i>	Italy	Sputum	No data	ETest®

136	<i>A. terreus sensu stricto</i>	Italy	Sputum	No	ETest®
137	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
138	<i>A. terreus sensu stricto</i>	Spain	Sputum	Posaconazole	ETest®
139	<i>A. terreus sensu stricto</i>	Spain	Sputum	Posaconazole	ETest®
140	<i>A. citrinoterreus</i>	Spain	Sputum	No	ETest®
141	<i>A. terreus sensu stricto</i>	Spain	Sputum	Voriconazole	ETest®
142	<i>A. hortai</i>	Spain	BAL	Liposomal amphotericin B	ETest®
143	<i>A. terreus sensu stricto</i>	Spain	Sputum	Voriconazole	ETest®
144	<i>A. terreus sensu stricto</i>	Spain	BAL	Nebulized amphotericin (profilaxis), voriconazole	ETest® B
145	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
146	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
147	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
148	<i>A. citrinoterreus</i>	Spain	Sputum	Voriconazole	ETest®
149	<i>A. citrinoterreus</i>	Spain	Sputum	Voriconazole	ETest®

150	<i>A. citrinoterreus</i>	Spain	Sputum	Voriconazole	ETest®
151	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
152	<i>A. terreus sensu stricto</i>	Spain	Bronchial aspirate	Nebulized amphotericin micafungin	B, ETest®
153	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
154	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
155	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
156	<i>A. terreus sensu stricto</i>	Spain	Sputum	Nebulized amphotericin posaconazole	B, ETest®
157	<i>A. terreus sensu stricto</i>	Spain	Sputum	Voriconazole	ETest®
158	<i>A. hortai</i>	Spain	Sputum	Voriconazole	ETest®
159	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
160	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
161	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
162	<i>A. alabamensis</i>	Spain	Sputum	Liposomal amphotericin B	ETest®
163	<i>A. terreus sensu stricto</i>	Spain	Bronchial aspirate	Liposomal amphotericin voriconazole	B, ETest®

164	<i>A. terreus sensu stricto</i>	Spain	Tracheal aspirate	Nebulized amphotericin (profilax), voriconazole; liposomal amphotericin voriconazole	ETest® B B,
165	<i>A. citrinoterreus</i>	Spain	Sputum	Posaconazole	ETest®
166	<i>A. citrinoterreus</i>	Spain	Sputum	Posaconazole	ETest®
167	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
168	<i>A. terreus sensu stricto</i>	Spain	Sputum	Nebulized amphotericin posaconazole	ETest® B,
169	<i>A. terreus sensu stricto</i>	Spain	Sputum	Posaconazole	ETest®
170	<i>A. terreus sensu stricto</i>	Spain	Sputum	Posaconazole	ETest®
171	<i>A. terreus sensu stricto</i>	Sweden	Sputum	No	ETest®
172	<i>A. terreus sensu stricto</i>	Sweden	BAL	No	ETest®
173	<i>A. terreus sensu stricto</i>	Spain	Sputum	Voriconazole	ETest®
174	<i>A. terreus sensu stricto</i>	Spain	Sputum	Nebulized amphotericin B	ETest®
175	<i>A. citrinoterreus</i>	Spain	BAL	Micafungin	ETest®
176	<i>A. citrinoterreus</i>	Spain	Sputum	No	ETest®

177	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
178	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
179	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
180	<i>A. terreus sensu stricto</i>	Spain	Bronchial aspirate	No	ETest®
181	<i>A. alabamensis</i>	Spain	Sputum	No	ETest®
182	<i>A. citrinoterreus</i>	Spain	Sputum	No	ETest®
183	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
184	<i>A. terreus sensu stricto</i>	Spain	Bronchial aspirate	No	ETest®
185	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
186	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
188	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
189	<i>A. citrinoterreus</i>	Spain	Bronchial aspirate	No	ETest®
190	<i>A. terreus sensu stricto</i>	Spain	Bronchial aspirate	No	ETest®
191	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
192	<i>A. terreus sensu stricto</i>	Belgium	Sputum	No	ETest®

193	<i>A. terreus sensu stricto</i>	Belgium	Sputum	No	ETest®
194	<i>A. terreus sensu stricto</i>	Belgium	BAL	No	ETest®
196	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
197	<i>A. terreus sensu stricto</i>	Serbia	Sputum	No	ETest®
198	<i>A. terreus sensu stricto</i>	Serbia	Sputum	No	ETest®
199	<i>A. terreus sensu stricto</i>	Turkey	Swab	No	ETest®
200	<i>A. terreus sensu stricto</i>	Turkey	Swab	No	ETest®
201	<i>A. terreus sensu stricto</i>	Turkey	BAL	No	ETest®
202	<i>A. terreus sensu stricto</i>	Turkey	Tracheal aspirate	Caspofungin	ETest®
203	<i>A. terreus sensu stricto</i>	Turkey	Swab	Liposomal amphotericin B	ETest®
204	<i>A. floccosus</i>	Turkey	Swab	Liposomal amphotericin B	ETest®
205	<i>A. citrinoterreus</i>	Turkey	Tracheal aspirate	No	ETest®
206	<i>A. terreus sensu stricto</i>	Turkey	Swab	No	ETest®
207	<i>A. terreus sensu stricto</i>	Germany	Sputum	No	ETest®
208	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®

209	<i>A. terreus sensu stricto</i>	Austria	No data	No	ETest®
210	<i>A. terreus sensu stricto</i>	Netherlands	BAL	No	ETest®
211	<i>A. terreus sensu stricto</i>	Netherlands	BAL	No	ETest®
212	<i>A. terreus sensu stricto</i>	Netherlands	Swab	No	ETest®
213	<i>A. terreus sensu stricto</i>	Netherlands	Sputum	No	ETest®
214	<i>A. terreus sensu stricto</i>	Netherlands	Sputum	No	ETest®
215	<i>A. terreus sensu stricto</i>	Netherlands	Sputum	No	ETest®
216	<i>A. terreus sensu stricto</i>	Netherlands	Sputum	No	ETest®
217	<i>A. citrinoterreus</i>	Netherlands	Sputum	No	ETest®
218	<i>A. terreus sensu stricto</i>	Netherlands	Sputum	No	ETest®
219	<i>A. terreus sensu stricto</i>	Greece	BAL	No	ETest®
220	<i>A. citrinoterreus</i>	Greece	Nails	No	ETest®
221	<i>A. terreus sensu stricto</i>	Greece	Swab	No	ETest®
222	<i>A. terreus sensu stricto</i>	no data	No data	No data	ETest®
223	<i>A. terreus sensu stricto</i>	United Kingdom	Blood	No	ETest®

224	<i>A. terreus sensu stricto</i>	United Kingdom	BAL	Voriconazole	ETest®
225	<i>A. alabamensis</i>	United Kingdom	Swab	No	ETest®
226	<i>A. terreus sensu stricto</i>	United Kingdom	Swab	No	ETest®
227	<i>A. terreus sensu stricto</i>	United Kingdom	Sputum	No	ETest®
228	<i>A. citrinoterreus</i>	United Kingdom	Sputum	No	ETest®
229	<i>A. citrinoterreus</i>	United Kingdom	BAL	Voriconazole	ETest®
230	<i>A. terreus sensu stricto</i>	Qatar	Sputum	No	ETest®
231	<i>A. terreus sensu stricto</i>	Qatar	Swab	No	ETest®
232	<i>A. terreus sensu stricto</i>	Qatar	Sputum	No	ETest®
233	<i>A. citrinoterreus</i>	Qatar	Swab	No	ETest®
234	<i>A. citrinoterreus</i>	Qatar	Endotracheal aspirate	No	ETest®
235	<i>A. terreus sensu stricto</i>	Qatar	BAL	No	ETest®
236	<i>A. terreus sensu stricto</i>	Qatar	Sputum	No	ETest®
237	<i>A. terreus sensu stricto</i>	Qatar	Swab	Clotrimazole 1%	ETest®
238	<i>A. terreus sensu stricto</i>	Qatar	BAL	Anidulafungin	ETest®

239	<i>A. terreus sensu stricto</i>	Qatar	Swab	No	ETest®
240	<i>A. terreus sensu stricto</i>	Qatar	Swab	No	ETest®
241	<i>A. terreus sensu stricto</i>	Qatar	Sputum	Anidulafungin	ETest®
242	<i>A. terreus sensu stricto</i>	Qatar	Swab	No	ETest®
243	<i>A. citrinoterreus</i>	Qatar	Biopsy	Itraconazole	ETest®
244	<i>A. terreus sensu stricto</i>	Qatar	Sputum	No	ETest®
245	<i>A. terreus sensu stricto</i>	Qatar	Swab	Clotrimazole 1%	ETest®
246	<i>A. terreus sensu stricto</i>	Qatar	BAL	No	ETest®
247	<i>A. terreus sensu stricto</i>	Qatar	Bronchial wash	No	ETest®
248	<i>A. terreus sensu stricto</i>	Germany	No data	No data	ETest®
249	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
250	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
251	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®
252	<i>A. terreus sensu stricto</i>	Spain	Sputum	Voriconazole	ETest®
253	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®

254	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®
255	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
256	<i>A. citrinoterreus</i>	Spain	Sputum	Voriconazole	ETest®
257	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
258	<i>A. terreus sensu stricto</i>	Spain	Sputum	Voriconazole	ETest®
259	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
260	<i>A. citrinoterreus</i>	Spain	Sputum	No	ETest®
261	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
262	<i>A. neoafricanus</i>	Spain	Nails	No	ETest®
263	<i>A. citrinoterreus</i>	Spain	Nails	No	ETest®
264	<i>A. terreus sensu stricto</i>	Spain	Sputum	Voriconazole	ETest®
265	<i>A. terreus sensu stricto</i>	Spain	Sputum	Itraconazole	ETest®
266	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
267	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
268	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®

269	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®
270	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®
271	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®
272	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®
273	<i>A. terreus sensu stricto</i>	Spain	Sputum	Voriconazole	ETest®
274	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®
275	<i>A. citrinoterreus</i>	Spain	Sputum	No	ETest®
276	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®
277	<i>A. citrinoterreus</i>	Spain	Nails	No	ETest®
278	<i>A. citrinoterreus</i>	Iran	Biopsy	Amphotericin B	ETest®
279	<i>A. citrinoterreus</i>	Iran	BAL	No data	ETest®
280	<i>A. citrinoterreus</i>	Iran	Biopsy	No data	ETest®
281	<i>A. citrinoterreus</i>	Iran	Sinuses discharge	No data	ETest®
282	<i>A. terreus sensu stricto</i>	Iran	Environment (swab)	No data	ETest®
283	<i>A. terreus sensu stricto</i>	Iran	Swab	Itraconazole	ETest®

284	<i>A. terreus sensu stricto</i>	Iran	BAL	Itraconazole	ETest®
285	<i>A. terreus sensu stricto</i>	Iran	Biopsy	No data	ETest®
286	<i>A. terreus sensu stricto</i>	Iran	Swab	Itraconazole	ETest®
287	<i>A. terreus sensu stricto</i>	Iran	Biopsy	No data	ETest®
288	<i>A. terreus sensu stricto</i>	Iran	Swab	Itraconazole	ETest®
289	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
290	<i>A. citrinoterreus</i>	Austria	No data	No data	ETest®
291	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
292	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
293	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
294	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
295	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
296	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
297	<i>A. citrinoterreus</i>	Czech Republic	Swab	No	ETest®
298	<i>A. terreus sensu stricto</i>	Czech Republic	BAL	Itraconazole	ETest®

299	<i>A. terreus sensu stricto</i>	Czech Republic	Swab	No	ETest®
300	<i>A. hortai</i>	Czech Republic	Swab	No	ETest®
301	<i>A. terreus sensu stricto</i>	Czech Republic	Swab	No	ETest®
302	<i>A. hortai</i>	Czech Republic	Sputum	No	ETest®
303	<i>A. terreus sensu stricto</i>	Czech Republic	Tracheal secretion	Voriconazole	ETest®
304	<i>A. terreus sensu stricto</i>	Czech Republic	No data	No data	ETest®
305	<i>A. terreus sensu stricto</i>	Czech Republic	No data	No data	ETest®
306	<i>A. hortai</i>	Czech Republic	No data	No data	ETest®
307	<i>A. terreus sensu stricto</i>	Czech Republic	No data	No data	ETest®
308	<i>A. citrinoterreus</i>	Israel	No data	No data	ETest®
309	<i>A. citrinoterreus</i>	Israel	No data	No data	ETest®
310	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
311	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
312	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
313	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®

315	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
316	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
317	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
318	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
319	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
320	<i>A. hortai</i>	Israel	No data	No data	ETest®
321	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
322	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
323	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
324	<i>A. citrinoterreus</i>	Israel	No data	No data	ETest®
325	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
326	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
327	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
328	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
329	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®

330	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
331	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
332	<i>A. citrinoterreus</i>	Israel	No data	No data	ETest®
333	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
334	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
335	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
336	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
337	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
338	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
339	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
340	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
341	<i>A. terreus sensu stricto</i>	Israel	No data	No data	ETest®
342	<i>A. terreus sensu stricto</i>	No data	No data	No data	ETest®
343	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
344	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®

345	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
346	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
347	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
348	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
349	<i>A. hortai</i>	Italy	No data	No data	ETest®
350	<i>A. terreus sensu stricto</i>	Italy	Toenail		ETest®
351	<i>A. hortai</i>	Brazil	No data	No data	ETest®
352	<i>A. terreus sensu stricto</i>	Brazil	Environment (swab)	No data	ETest®
353	<i>A. terreus sensu stricto</i>	Brazil	No data	No data	ETest®
354	<i>A. terreus sensu stricto</i>	Brazil	No data	No data	ETest®
355	<i>A. terreus sensu stricto</i>	Brazil	No data	No data	ETest®
356	<i>A. terreus sensu stricto</i>	Brazil	No data	No data	ETest®
357	<i>A. terreus sensu stricto</i>	Brazil	No data	No data	ETest®
358	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
359	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®

360	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
361	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
362	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
363	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
364	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
365	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
366	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
367	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
368	<i>A. terreus sensu stricto</i>	France	Sputum	No data	ETest®
369	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
371	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
372	<i>A. terreus sensu stricto</i>	Austria	No data	No data	ETest®
373	<i>A. terreus sensu stricto</i>	Greece	Sputum	Liposomales amphotericin B	ETest®
374	<i>A. terreus sensu stricto</i>	Greece	Sputum	Liposomales amphotericin B	ETest®
375	<i>A. terreus sensu stricto</i>	Greece	Sputum	Liposomales amphotericin B	ETest®

376	<i>A. terreus sensu stricto</i>	Portugal	BAL	No data	ETest®
377	<i>A. terreus sensu stricto</i>	Portugal	BAL	No data	ETest®
378	<i>A. terreus sensu stricto</i>	Czech Republic	Puncture	No	ETest®
379	<i>A. terreus sensu stricto</i>	Czech Republic	Swab	No	ETest®
380	<i>A. terreus sensu stricto</i>	Spain	Nails	No	ETest®
381	<i>A. terreus sensu stricto</i>	Spain	Sputum	Voriconazole	ETest®
382	<i>A. terreus sensu stricto</i>	Spain	Surgical injury	No	ETest®
383	<i>A. terreus sensu stricto</i>	Spain	Sputum	No	ETest®
384	<i>A. terreus sensu stricto</i>	Czech Republic	No data	No data	ETest®
T10	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T100	<i>A. terreus sensu stricto</i>	Austria	Sputum	No data	EUCAST
T101	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T102	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T103	<i>A. terreus sensu stricto</i>	Austria	Sputum	No data	EUCAST
T104	<i>A. terreus sensu stricto</i>	UK	No data	No data	EUCAST

T105	<i>A. citrinoterreus</i>	Austria	Sputum	No data	EUCAST
T106	<i>A. terreus sensu stricto</i>	Austria	Sputum	No data	EUCAST
T107	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T109	<i>A. alabamensis</i>	Netherlands	No data	No data	EUCAST
T11	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T110	<i>A. alabamensis</i>	Netherlands	No data	No data	EUCAST
T112	<i>A. terreus sensu stricto</i>	Germany	Swab	No data	EUCAST
T113	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T12	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T128	<i>A. terreus sensu stricto</i>	Germany	Bronhial secretion	No data	EUCAST
T129	<i>A. citrinoterreus</i>	Germany	Swab	No data	EUCAST
T13	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T130	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T131	<i>A. terreus sensu stricto</i>	Austria	Sputum	No data	EUCAST
T132	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST

T134	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T135	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T136	<i>A. terreus sensu stricto</i>	Germany	Nails	No data	EUCAST
T139	<i>A. hortai</i>	Germany	Swab	No data	EUCAST
T14	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T140	<i>A. terreus sensu stricto</i>	Germany	Swab	No data	EUCAST
T141	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T144	<i>A. terreus sensu stricto</i>	Germany	Bronhial secretion	No data	EUCAST
T146	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T147	<i>A. terreus sensu stricto</i>	Germany	Swab	No data	EUCAST
T148	<i>A. terreus sensu stricto</i>	Germany	Swab	No data	EUCAST
T149	<i>A. citrinoterreus</i>	Germany	Swab	No data	EUCAST
T15	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T150	<i>A. citrinoterreus</i>	Germany	No data	No data	EUCAST
T152	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST

T153	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T154	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T155	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T156	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST
T157	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T158	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T159	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T16	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T160	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST
T17	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T18	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T19	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T2	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T20	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T21	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST

T22	<i>A. terreus sensu stricto</i>	Austria	Sputum	No data	EUCAST
T24	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T25	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T26	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T27	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T28	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T29	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T3	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T30	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T31	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T32	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T34	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T35	<i>A. terreus sensu stricto</i>	Austria	Sputum	No data	EUCAST
T36	<i>A. terreus sensu stricto</i>	Austria	Biopsy	No data	EUCAST
T4	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST

T40	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T41	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T42	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T43	<i>A. terreus sensu stricto</i>	Austria	Biopsy	No data	EUCAST
T44	<i>A. terreus sensu stricto</i>	Austria	Bronchial secretion	No data	EUCAST
T47	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T49	<i>A. terreus sensu stricto</i>	Austria	Environment (swab)	No data	EUCAST
T5	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T50	<i>A. terreus sensu stricto</i>	Austria	Swab	No data	EUCAST
T51	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T52	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST
T53	<i>A. hortai</i>	Germany	No data	No data	EUCAST
T54	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST
T55	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST
T56	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST

T57	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST
T58	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST
T59	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST
T6	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T60	<i>A. terreus sensu stricto</i>	Germany	No data	No data	EUCAST
T61	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T62	<i>A. terreus sensu stricto</i>	Austria	Bronchial secretion	No data	EUCAST
T63	<i>A. terreus sensu stricto</i>	Austria	Biopsy	No data	EUCAST
T64	<i>A. terreus sensu stricto</i>	Austria	Swab	No data	EUCAST
T65	<i>A. terreus sensu stricto</i>	Austria	Sputum	No data	EUCAST
T66	<i>A. hortai</i>	Austria	Swab	No data	EUCAST
T67	<i>A. terreus sensu stricto</i>	Austria	Bronchial secretion	No data	EUCAST
T68	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T69	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T7	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST

T70	<i>A. citrinoterreus</i>	Austria	No data	No data	EUCAST
T71	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T72	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T73	<i>A. terreus sensu stricto</i>	Austria	Biopsy	No data	EUCAST
T74	<i>A. terreus sensu stricto</i>	Spain	No data	No data	EUCAST
T75	<i>A. terreus sensu stricto</i>	Spain	No data	No data	EUCAST
T76	<i>A. terreus sensu stricto</i>	Germany	Swab	No data	EUCAST
T77	<i>A. terreus sensu stricto</i>	Italy	Swab	No data	EUCAST
T78	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T79	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T8	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T80	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T81	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T82	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T83	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST

T84	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T85	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T86	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T87	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T88	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T89	<i>A. terreus sensu stricto</i>	Italy	No data	No data	EUCAST
T9	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST
T90	<i>A. citrinoterreus</i>	Italy	No data	No data	EUCAST
T91	<i>A. terreus sensu stricto</i>	Germany	Swab	No data	EUCAST
T92	<i>A. terreus sensu stricto</i>	Germany	Swab	No data	EUCAST
T93	<i>A. terreus sensu stricto</i>	Austria	Bronchial secretion	No data	EUCAST
T94	<i>A. terreus sensu stricto</i>	Austria	Biopsy	No data	EUCAST
T95	<i>A. terreus sensu stricto</i>	Austria	Sputum	No data	EUCAST
T96	<i>A. terreus sensu stricto</i>	Austria	Biopsy	No data	EUCAST
T97	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST

T98	<i>A. terreus sensu stricto</i>	Austria	BAL	No data	EUCAST
T99	<i>A. terreus sensu stricto</i>	Austria	No data	No data	EUCAST

EUCAST. European Committee for Antimicrobial Susceptibility. BAL. bronchoalveolar lavage.

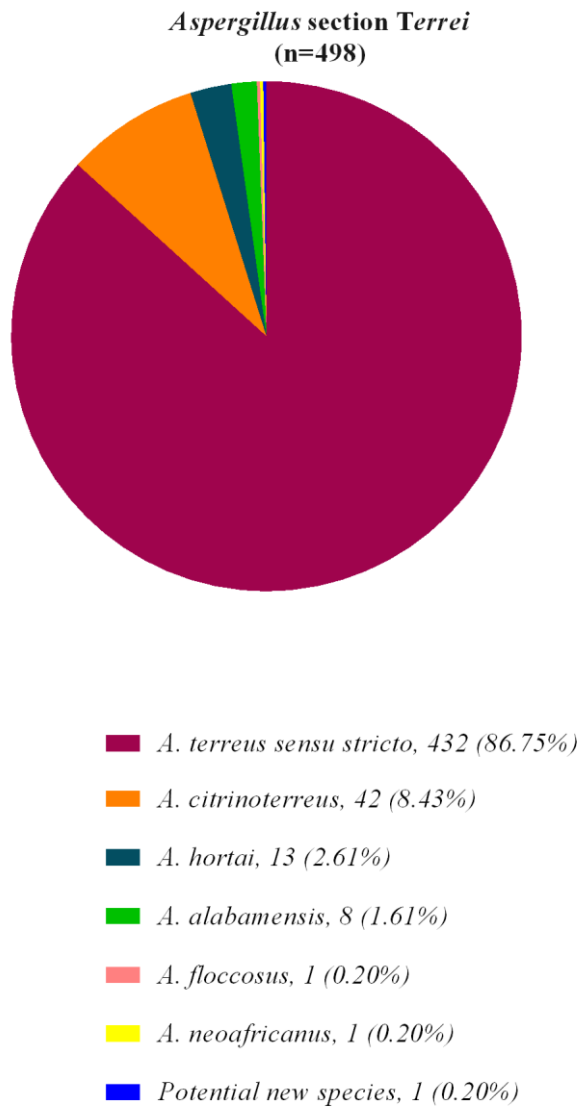
Supplementary Table S2. Wild type reference strains used for *cyp51a* sequencing for *Aspergillus terreus* and *Aspergillus citrinoterreus*

Wild type strain <i>Aspergillus terreus</i>	NIH2624
Wild type strain <i>Aspergillus citrinoterreus</i>	3 (environmental azole susceptible isolate)

Supplementary Table S3. Primers for *Cyp51A* sequencing used in study

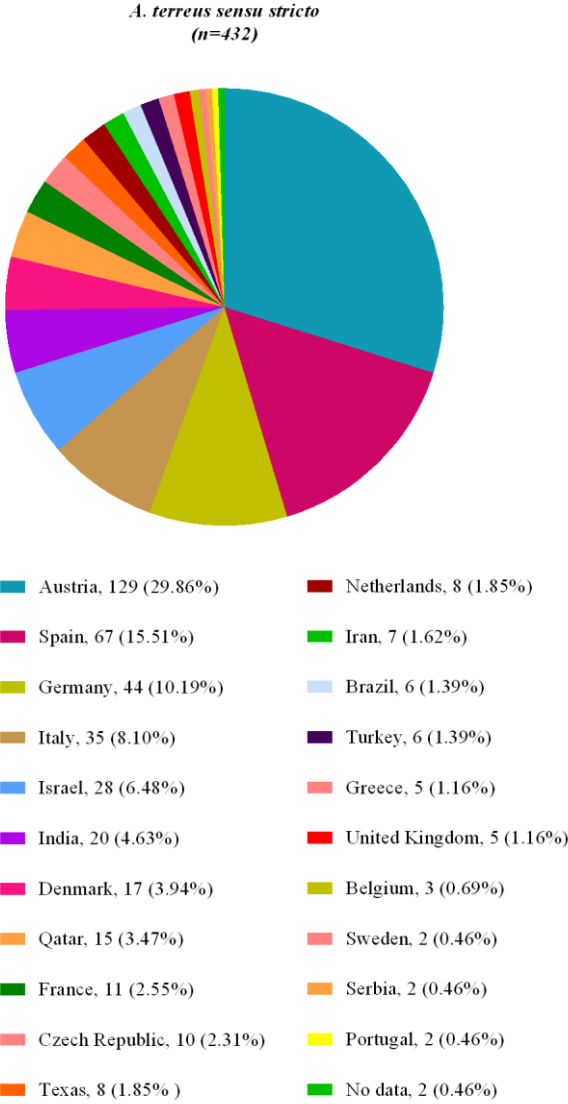
Primer	Sequence	Purpose
cyp51-AT-0	5'-GGTGGGAGAACTTTCGTTCTA-3'	Amplification and sequencing
cyp51-AT-3	5'-CTCCATACAAACCACTGACCTC-3'	Sequencing
cyp51-AT-4	5'-ACGGCAGCATGAAGTTGAT-3'	Sequencing
cyp51-AT-5	5'-CGAGTTTGCCGACCTCTAC-3'	Sequencing
cyp51-AT-8	5'-GCCGTTCTTACGCCTTGT-3'	Amplification and sequencing

Supplementary Figure S1. Results of molecular identification (partial beta-tubulin sequencing)



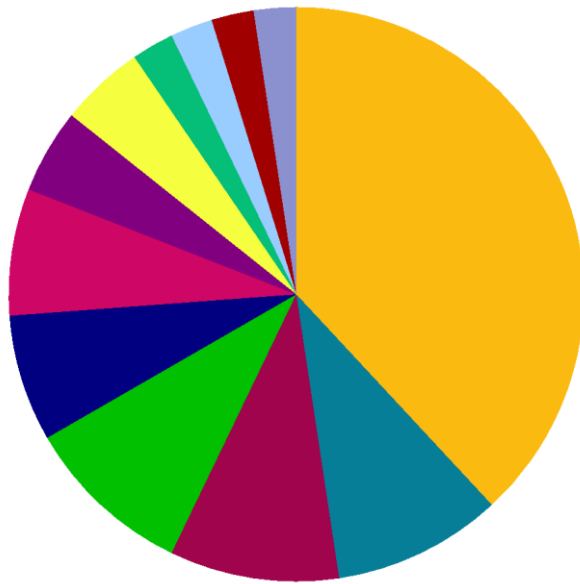
Supplementary Figure S2 (a-d). Overview of geographical origin of section *Terrei* isolates per species: a) *A. terreus sensu stricto*, b) *A. citrinoterreus*, c) *A. hortai*, and d) *A. alabamensis*

a)



b)

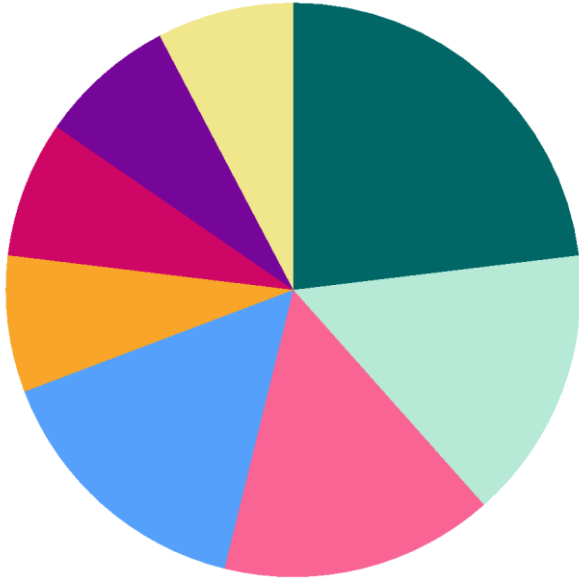
A. citrinoterreus
(n=42)



Spain, 16 (38.10%)
Germany, 4 (9.52%)
Iran, 4 (9.52%)
Israel, 4 (9.52%)
Austria, 3 (7.14%)
Qatar, 3 (7.14%)
Italy, 2 (4.76%)
United Kingdom, 2 (4.76%)
Turkey, 1 (2.38%)
Greece, 1 (2.38%)
Netherlands, 1 (2.38%)
Czech Republic, 1 (2.38%)

c)

A. hortai
(n=13)



■ Czech Republic, 3 (23.08%)

■ Germany, 2 (15.38%)

■ Italy, 2 (15.38%)

■ Spain, 2 (15.38%)

■ Austria, 1 (7.69%)

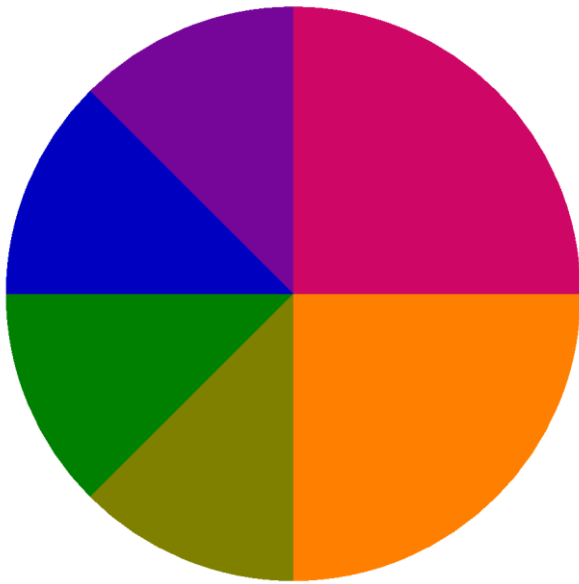
■ Brazil, 1 (7.69%)

■ Israel, 1 (7.69%)

■ Texas, 1 (7.69%)

d)

A. alabamensis
(n=8)



Spain, 2 (25.0%)

Netherlands, 2 (25.0%)

Germany, 1 (12.5%)

Italy, 1 (12.5%)

Texas, 1 (12.5%)

United Kingdom, 1 (12.5%)