

**Supplementary table 1.** Genotyping results of *A. fumigatus* isolates in this study.

Strain ID	Date of isolation†	Source	TRESPERG typing			
			CSP	MP2	CFEM	ERG
14	2019/01/16	Environmental	t01	m1.1	c05A	e02
318	2021/10/25	Clinical	t01	m1.1	c05A	e07
235	2021/04/15	Clinical	t01	m1.1	c05A	e07
205	2021/02/16	Environmental	t01	m1.1	c07	e07
101	2020/01/16	Clinical	t01	m1.1	c08A	e07
248	2021/05/11	Clinical	t01	m1.1	c08A	e07
247	2021/05/14	Clinical	t01	m1.1	c08B	e07
131	2020/04/23	Clinical	t01	m1.1	c20	e07
128	2020/04/15	Clinical	t01	m3.3	c20	e07
185	2020/12/15	Environmental	t01	m3.4	c05A	e15
335	2021/11/26	Clinical	t01	m3.4	c20	e11
194	2021/01/27	Clinical	t01	m3.4	c20	e15
199	2021/01/27	Clinical	t01	m3.4	c20	e15
195	2021/01/24	Clinical	t01	m3.4	c20	e15
23	2019/03/15	Clinical	t01	m5.1	c09	e07
301	2021/08/31	Clinical	t01	m5.1	c09	e07
309	2021/09/20	Clinical	t01	m5.1	c09	e07
36	2019/05/29	Clinical	t01	m5.3	c08A	e07
183	2020/11/11	Clinical	t01	m5.3	c08A	e07
122	2020/03/06	Clinical	t01	m5.3	c08B	e07
287	2021/07/21	Environmental	t01	m5.3	c08B	e07
254	2021/05/17	Clinical	t01	m5.4	c05A	e19
292	2021/08/04	Clinical	t01	m5.4	c06	e11
261	2021/06/14	Clinical	t01	m5.4	c06	e15
294	2021/08/02	Clinical	t01	m5.4	c06	e15
42	2019/06/24	Clinical	t01	m5.5	c08A	e07
3	2019/01/10	Environmental	t01	m5.5	c20	e15
18	2019/01/16	Environmental	t01	m5.10	c08A	e07
331	2021/12/01	Environmental	t02	m1.1	c08A	e05
144		Clinical	t02	m1.1	c08A	e09
56	2019/09/19	Clinical	t02	m1.1	c08A	e13
317	2021/10/22	Environmental	t02	m1.1	c08B	e05
322	2021/11/03	Environmental	t02	m1.1	c08B	e05
67	2019/10/05	Clinical	t02	m1.1	c09	e05
69	2019/10/04	Clinical	t02	m1.1	c09	e05
208	2021/02/19	Environmental	t02	m1.1	c09	e11
130	2020/04/23	Clinical	t02	m1.2	c08B	e06
277	2021/07/13	Environmental	t02	m1.5	c08A	e16
107	2020/02/06	Clinical	t02	m1.8	c17	e05
102	2020/01/17	Clinical	t02	m1.12	c09	e05
26	2019/03/29	Clinical	t02	m6.3	c08A	e09

153	2020/09/07	Clinical	t02	m6.3	c08A	e09
158	2020/11/11	Clinical	t02	m6.3	c08A	e09
165	2020/09/14	Clinical	t02	m6.3	c08A	e09
175	2020/10/21	Clinical	t02	m6.8	c08A	e09
304	2021/09/09	Clinical	t02	m6.9	c08B	e06
156	2020/09/09	Clinical	t02	m6.9	c08B	e11
95	2019/12/12	Clinical	t02	m6.11	c08A	e13
193	2021/01/23	Clinical	t02	m6.11	c08A	e17
179	2020/11/09	Environmental	t02B	m12.1	c32	e23
21	2019/03/04	Clinical	t02B	m8.1	c14	e10
25	2019/03/27	Clinical	t02B	m8.1	c14	e10
285	2021/07/19	Environmental	t03	m1.1	c05A	e07
293	2021/08/02	Clinical	t03	m1.1	c05A	e07
296	2021/08/11	Clinical	t03	m1.1	c05A	e07
164	2020/09/17	Clinical	t03	m1.1	c05A	e09
300	2021/08/30	Clinical	t03	m1.1	c05A	e09
242	2021/05/03	Clinical	t03	m1.1	c05A	e13
263	2021/06/15	Clinical	t03	m1.1	c05A	e13
269		Clinical	t03	m1.1	c05A	e13
5	2019/01/04	Clinical	t03	m1.1	c07	e06
2	2019/01/10	Environmental	t03	m1.1	c07	e07
33	2019/05/15	Clinical	t03	m1.1	c08A	e07
76	2019/10/28	Clinical	t03	m1.1	c08A	e07
203	2021/02/16	Environmental	t03	m1.1	c08A	e07
333	2021/12/13	Environmental	t03	m1.1	c08A	e07
334	2021/12/13	Environmental	t03	m1.1	c08A	e07
58	2019/09/23	Clinical	t03	m1.1	c08A	e09
271	2021/07/03	Clinical	t03	m1.1	c08A	e09
6	2019/01/04	Clinical	t03	m1.1	c08A	e13
321	2021/11/02	Clinical	t03	m1.1	c08A	e16
236	2021/04/13	Environmental	t03	m1.1	c08B	e07
223	2021/03/30	Environmental	t03	m1.1	c08B	e09
233	2021/04/13	Environmental	t03	m1.1	c08B	e09
319	2021/10/24	Clinical	t03	m1.1	c09	e09
167	2020/09/26	Clinical	t03	m1.1	c10	e06
222	2021/03/21	Clinical	t03	m1.1	c10	e06
229	2021/04/06	Clinical	t03	m1.1	c10	e06
337	2021/12/02	Clinical	t03	m1.1	c10	e06
339	2021/05/28	Clinical	t03	m1.1	c10	e06
133	2020/06/18	Clinical	t03	m1.1	c10	e07
71	2019/10/21	Clinical	t03	m1.3	c05A	e07
73	2019/10/28	Clinical	t03	m1.3	c05A	e07
77	2019/10/28	Clinical	t03	m1.3	c05A	e07
79	2019/10/28	Clinical	t03	m1.3	c05A	e07
225	2021/04/01	Environmental	t03	m1.3	c08A	e09

232	2021/04/13	Clinical	t03	m1.3	c08A	e09
243	2021/05/07	Clinical	t03	m1.3	c08B	e09
258	2021/05/31	Clinical	t03	m1.3	c08B	e09
299	2021/08/24	Environmental	t03	m1.3	c09	e02
298	2021/08/20	Clinical	t03	m1.3	c19	e02
34	2019/05/20	Clinical	t03	m1.5	c10	e06
213	2021/03/02	Clinical	t03	m2.3	c07	e06
283	2021/07/19	Environmental	t03	m2.3	c07	e06
221	2021/03/26	Clinical	t03	m3.3	c05A	e07
31	2019/04/01	Clinical	t03	m3.3	c05A	e09
252	2021/05/17	Clinical	t03	m3.3	c05A	e09
13	2019/01/16	Environmental	t03	m3.3	c05A	e13
126	2020/03/20	Clinical	t03	m3.3	c08A	e07
81	2019/10/31	Clinical	t03	m3.4	c08A	e19
62	2019/10/02	Clinical	t03	m3.8	c04	e07
85	2019/12/05	Clinical	t04A	m1.1	c03	e07
43	2019/07/23	Clinical	t04A	m1.1	c04	e07
154	2020/09/04	Clinical	t04A	m1.1	c04	e07
155	2020/09/04	Clinical	t04A	m1.1	c04	e07
215	2021/03/06	Clinical	t04A	m1.1	c05A	e09
256	2021/05/31	Clinical	t04A	m1.1	c05A	e09
48	2019/08/07	Clinical	t04A	m1.1	c05B	e07
109	2020/02/12	Clinical	t04A	m1.1	c07	e07
70	2019/10/16	Clinical	t04A	m1.1	c08A	e13
180	2020/11/09	Environmental	t04A	m1.1	c08B	e06
238	2021/04/21	Clinical	t04A	m1.1	c08B	e07
28	2019/04/11	Clinical	t04A	m1.1	c09	e07
29	2019/04/15	Clinical	t04A	m1.1	c09	e07
134	2020/06/18	Clinical	t04A	m1.1	c09	e07
138	2020/06/14	Clinical	t04A	m1.1	c12	e09
137	2020/06/23	Environmental	t04A	m1.1	c12	e15
140	2020/07/06	Clinical	t04A	m1.1	c12	e15
211	2021/02/23	Clinical	t04A	m1.3	c05A	e07
214	2021/03/05	Clinical	t04A	m1.3	c05A	e07
20	2019/03/02	Clinical	t04A	m1.3	c08A	e07
108	2020/02/12	Clinical	t04A	m1.3	c08A	e07
192	2021/01/25	Environmental	t04A	m1.3	c08A	e07
141	2020/07/15	Clinical	t04A	m1.3	c08B	e07
217	2021/03/19	Clinical	t04A	m1.3	c08B	e07
219	2021/03/26	Clinical	t04A	m1.3	c08B	e07
220	2021/03/26	Clinical	t04A	m1.3	c08B	e07
224	2021/03/31	Clinical	t04A	m1.3	c08B	e07
230	2021/04/08	Clinical	t04A	m1.3	c08B	e07
274	2021/07/09	Environmental	t04A	m1.3	c08B	e07
204	2021/02/16	Environmental	t04A	m1.5	c07	e07

64	2019/09/30	Clinical	t04A	m3.4	c03	e07
86	2019/12/02	Clinical	t04A	m3.4	c03	e07
88	2019/12/02	Clinical	t04A	m3.4	c03	e07
96	2020/01/07	Environmental	t04A	m3.4	c20	e11
97	2020/01/03	Clinical	t04A	m3.4	c20	e11
313	2021/10/13	Environmental	t04A	m3.4	c20	e13
249	2021/05/10	Clinical	t04A	m5.5	c05A	e07
241	2021/04/30	Clinical	t04A	m5.9	c04	e15
257	2021/05/23	Clinical	t04A	m5.9	c04	e15
260	2021/06/07	Clinical	t04A	m5.9	c04	e15
272	2021/06/30	Clinical	t04A	m5.9	c04	e15
100	2020/01/14	Clinical	t04B	m1.2	c20	e07
234	2021/04/15	Clinical	t05	m1.1	c08A	e13
228	2021/04/08	Clinical	t05	m1.1	c09	e11
61	2019/10/01	Clinical	t05	m1.3	c03	e13
119	2020/03/05	Clinical	t05	m1.3	c03	e13
340	2021/12/27	Clinical	t06A	m2.1	c01	e08
341	2021/12/29	Clinical	t06A	m2.1	c01	e08
342	2021/12/29	Clinical	t06A	m2.1	c01	e08
121		Clinical	t06A	m6.2	c08A	e13
227	2021/04/03	Clinical	t06b	m1.1	c08A	e15
46	2019/08/05	Clinical	t08	m6.12	c31	e10
32	2019/04/23	Clinical	t09	m1.1	c03	e07
303	2021/09/03	Clinical	t09	m1.1	c03	e07
278	2021/07/12	Environmental	t09	m5.3	c10	e07
279	2021/06/24	Clinical	t09	m5.3	c10	e07
282	2021/07/19	Environmental	t09	m5.3	c10	e07
218	2021/03/25	Environmental	t13	m3.4	c20	e11
202	2021/02/15	Environmental	t18b	m6.9	c08B	e11
280	2021/07/14	Clinical	t18B	m6.10	c27	e13
289	2021/07/27	Clinical	t18B	m6.10	c27	e13
290	2021/07/27	Clinical	t18B	m6.10	c27	e13
291	2021/08/03	Clinical	t18B	m6.10	c27	e13
295	2021/08/09	Clinical	t18B	m6.10	c27	e13
139	2020/06/24	Clinical	t28	m6.11	c08A	e09
147		Clinical	t30	m5.7	c05A	e07

†: date of isolation (year/mm/dd)