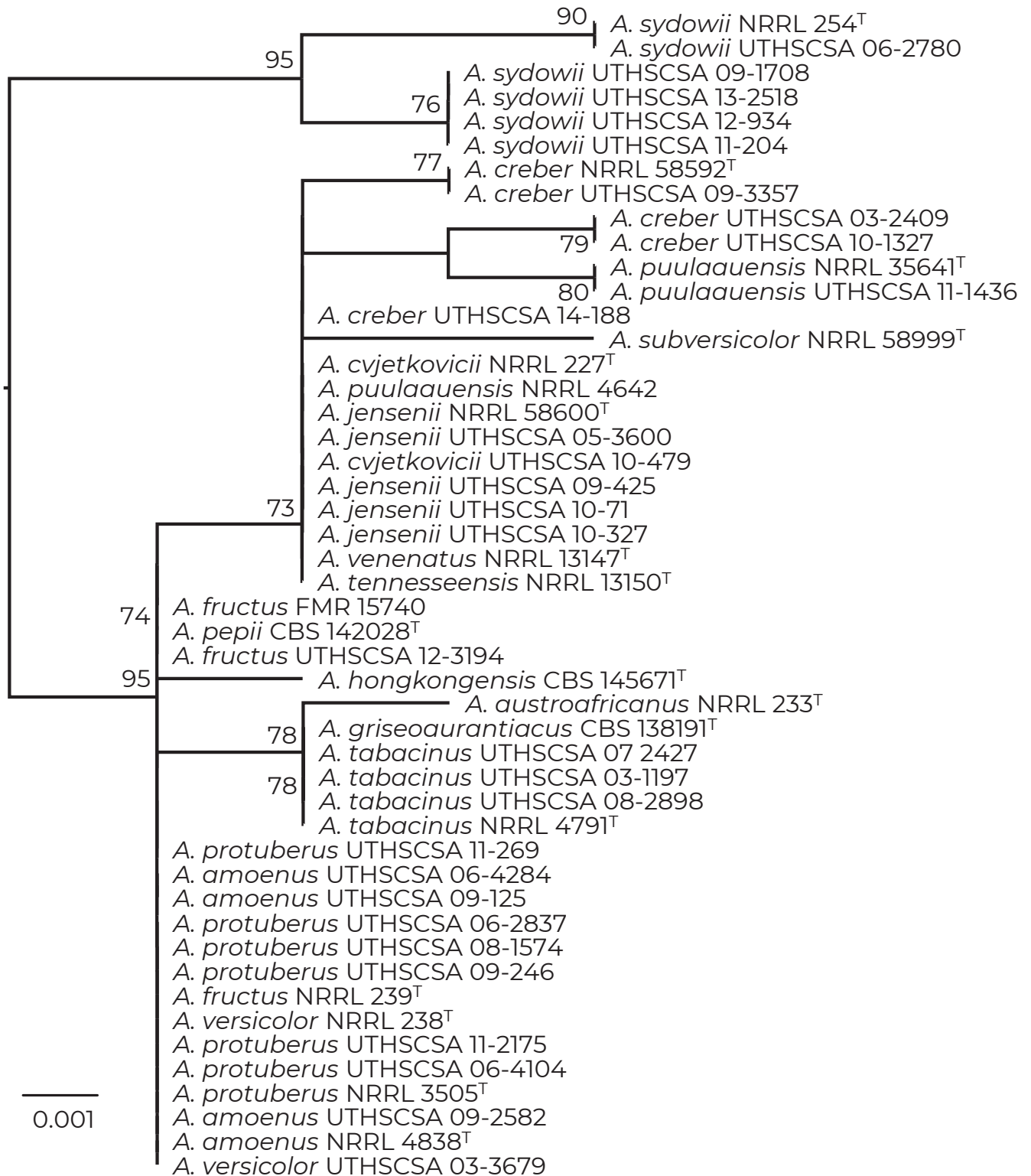


FIG. S1



**Fig. S1.** Phylogenetic tree based on 48 ITS sequences of series *Versicolores* strains available from the NCBI GenBank database (Table 1). The tree was calculated in IQ-TREE v. 2.1.2 with 100 000 ultrafast bootstrap replicates (only support values higher than 70 % are shown). TrNef was selected as the most suitable model of evolution by jModelTest v 2.1.7. The ex-type strains are designated with a superscript T.

## TABLE S1

**Table S1.** Strains from *Aspergillus* series *Versicolores* used for calculation of phylogenetic tree based on the partial calmodulin sequences (Fig. 1).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/ DDBJ accession Nos.
<i>A. creber</i>	<b>NRRL 58592<sup>T</sup> = IBT 32277<sup>T</sup> = DTO 225-G7<sup>T</sup> = CBS 145749<sup>T</sup></b>	USA, CA, indoor air, 2008, Ž. Jurjević	JN854043
	NRRL 58670	USA, NJ, indoor air, 2009, Ž. Jurjević	JN854053
	EMSL 4759	USA, NY, Buffalo, bathroom wall - swab, 2018, Ž. Jurjević	ON807928
	EMSL 4751	USA, NJ, Bedford, bathroom wall - swab, 2018, Ž. Jurjević	OP650267
	NRRL 58584	USA, PA, indoor air, 2008, Ž. Jurjević	JN854041
	S 435	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650268
	S 443	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650269
	S 448	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	ON807931
	S 436	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650270
	EMSL 4775	USA, WA, Shoreline, bathroom - swab, 2018, Ž. Jurjević	ON807933
	EMSL 4844	USA, TN, Memphis, bathroom - settle plate, 2018, Ž. Jurjević	OP650271
	EMSL 4672	USA, NJ, Trenton, bathroom wall tiles - swab, 2018, Ž. Jurjević	OP650272
	DTO 319-D6 = IBT 22306	USA, MD, indoor air, 2014, B. Jarvis	ON807934
	S 1522	Spain, Nerja Cave, cave sediment, 2011, A. Nováková	OP650273
	S 1521	Spain, Cueva del Tesoro, cave sediment, 2011, A. Nováková	OP650274
	S 430	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650275
	DTO 321-F5	Netherlands, cystic fibrosis patient, between 2011–2013	OP650276
	S 321	Slovakia, Demanovská Peace cave, dead marten, 2011, A. Nováková	ON807930
	S 457	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650277
	CMW-IA 29 = CMW 58631 = CN 090-F5	South Africa, Goeiehoek Silo, Gauteng, soybean, 2020, S. Bezuidenhout	ON807929
	UTHSCSA 04-434 = FMR 14364	USA, MN, sputum, D.A. Sutton	LN898770
	UTHSCSA 14-188 = FMR 14168	USA, DE, bronchoalveolar lavage, 2014, D.A. Sutton	LN898762
	UTHSCSA 09-1670 = FMR 14149	USA, MN, bronchoalveolar lavage, D.A. Sutton	LN898760
	UTHSCSA 06-3435 = FMR 14186	USA, OH, bronchoalveolar lavage, D.A. Sutton	LN898763
	CGMCC 3.1349	China, 1960	OP650278
	UTHSCSA 10-1327 = FMR 14201	USA, MN, human nail, 2010, D.A. Sutton	LN898764
	UTHSCSA 04-799 = FMR 14325	USA, TN, sputum, D.A. Sutton	LN898768
	UTHSCSA 03-2409 = FMR 14132	USA, TX, hospital air, 2003, D.A. Sutton	LN898758
	UTHSCSA 09-3357 = FMR 14151	USA, PA, bronchoalveolar lavage, 2009, D.A. Sutton	LN898761
	UTHSCSA 14-223 = FMR 14112	USA, NC, arm, D.A. Sutton	LN898757
	UTHSCSA 10-582 = FMR 14369	USA, VA, bronchoalveolar lavage, D.A. Sutton	LN898771
	S 1515	Spain, Cueva del Tesoro, cave sediment, 2011, A. Nováková	OP650279
	UTHSCSA 05-2359 = FMR 14133	USA, UT, bronchoalveolar lavage, D.A. Sutton	LN898759
	DTO 319-D7 = IBT 23076	South Korea, flower bulb soil, 2014, H.B. Lee	OP650280
	S 66	Czech Republic, Zbrašov Aragonite Caves, Gallašův Hall, 2012, A. Nováková	OP650281
	CGMCC 3.05281	China, fruit peel, 1999	ON807932
	CGMCC 3.01087	China, 1959	OP650282
	DTO 319-D1 = IBT 14906	Denmark, indoor air, 2014, J.C. Frisvad	OP650283
	EMSL 4845	USA, TN, Memphis, bathroom settle plate, 2018, Ž. Jurjević	OP650284
	DTO 180-A7 = KAS 3916	South Africa, house dust, 2010, C.M. Visagie	OP650285
	CF 3190	Netherlands, cystic fibrosis patient - clinical sample, between 2011–2013	OP650286
	S 298	Slovakia, Gombasecká Cave, cave air, 2009, A. Nováková	OP650287
	S 485	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650288
S 379	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650289	

Table S1. (Continued).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/DBJ accession Nos.
	S 468	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650290
	S 478	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	ON807938
	S 1516	Spain, Nerja Cave, cave air, 2011, A. Nováková	OP650291
	S 437	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650292
	DTO 319-F3 = IBT 30961	Slovenia, saltern, 2014, P. Zalar	OP650293
	EMSL 4821	USA, MO, Lee's Summit, kitchen - swab under sink, 2018, Ž. Jurjević	OP650294
	NRRL 58612	USA, NJ, indoor air, 2009, Ž. Jurjević	JN854051
	EMSL 4777	USA, MN, Monticello, basement, staircase - swab, 2018, Ž. Jurjević	OP650295
	EMSL 4788	USA, NY, New York, hallway – indoor air, 2018, Ž. Jurjević	OP650296
	S 449	Spain, Cueva del Tesoro, cave air, 2012, A. Nováková	OP650297
	EMSL 4824	USA, NY, North Collins, kitchen, swab, 2018, Ž. Jurjević	OP650298
	NRRL 58675	USA, OH, indoor air, 2009, Ž. Jurjević	JN854058
	NRRL 58583	USA, PA, indoor air, 2008, Ž. Jurjević	JN854040
	EMSL 4841	USA, MA, Oxford, cellar - swab, 2018, Ž. Jurjević	OP650299
	NRRL 58607	USA, PA, indoor air, 2009, Ž. Jurjević	JN854050
	EMSL 4789	USA, NC, Dallas, bathroom (HVAC), 2018, Ž. Jurjević	OP650300
	NRRL 58673	USA, GA, indoor air, 2009, Ž. Jurjević	JN854056
	DTO 319-E4 = IBT 26409	Greenland, Pakitsoq, ice sample (approximately 11500 years old), 2014, J.C. Frisvad	ON807936
	DTO 357-E7	Netherlands, cystic fibrosis patient, between 2011–2013	ON807937
	NRRL 58597	USA, NJ, indoor air, 2008, Ž. Jurjević	JN854045
	NRRL 58587	USA, CA, indoor air, 2008, Ž. Jurjević	JN854042
	EMSL 4819	USA, TX, Benbrook, kitchen, air vent, swab, 2018, Ž. Jurjević	OP650301
	S 216	Romania, Magura cave, bat guano, 2009, A. Nováková	ON807935
	EMSL 4758	USA, MI, Alpena, living room, settle plate, 2018, Ž. Jurjević	OP650302
	EMSL 4842	USA, GA, Marietta, basement, swab, 2018, Ž. Jurjević	OP650303
	EMSL 4757	USA, MO, Festus, basement, swab, 2018, Ž. Jurjević	ON807940
	NRRL 58672	USA, GA, indoor air, 2009, Ž. Jurjević	JN854055
	EMSL 4740	USA, OH, Cincinnati, basement, settle plate, 2018, Ž. Jurjević	OP650304
	NRRL 58601	USA, NJ, indoor air, 2009, Ž. Jurjević	JN854047
	EMSL 4700	USA, NJ, Tabernacle, basement, swab, 2018, Ž. Jurjević	OP734445
	S 1434	Romania, Movile Cave, cave sediment, 2016, A. Nováková	OP650305
	S 1523	Spain, Cueva del Tesoro, cave sediment, 2011, A. Nováková	OP650306
	DTO 180-A5 = KAS 3914	South Africa, house dust, 2010, C.M. Visagie	ON807939
	<b>NRRL 13147 = CBS 145753 = DTO 225-F4</b> (ex-type of <i>A. venenatus</i> )	USA, TN, toxic dairy cattle feed, 1984, B.W. Horn	JN854014
	NRRL 13148	USA, TN, toxic dairy cattle feed, 1984, B.W. Horn	JN854015
	NRRL 13149	USA, TN, toxic dairy cattle feed, 1984, B.W. Horn	JN854016
	EMSL 4847	USA, NJ, Trenton, office building, cubicle, air, 2018, Ž. Jurjević	ON807947
	<b>NRRL 58600</b> (ex-type of <i>A. jensenii</i> )	USA, MT, indoor air, 2008, Ž. Jurjević	JN854046
	CGMCC 3.1347	China, 1960	OP650307
	CGMCC 3.0523	China, 1952	OP650308
	UTHSCSA 05-3600 = FMR 14136	USA, MN, sputum, 2005, D.A. Sutton	LN898775
	UTHSCSA 09-2299 = FMR 14150	USA, IL, sputum, D.A. Sutton	LN898776
	DTO 021-D4 = CBS 118.50	Switzerland, Basel, nutrient solution, A. Vöchting	OP650309
	UTHSCSA 09-425 = FMR 14234	USA, UT, human nail, 2009, D.A. Sutton	LN898781
	UTHSCSA 12-79 = FMR 14161	USA, OH, bronchoalveolar lavage, D.A. Sutton	LN898778

**Table S1.** (Continued).

<b>Species</b>	<b>Strain No.<sup>1</sup></b>	<b>Provenance</b> (locality, substrate, year of isolation, isolator/ collector)	<b>GenBank/ENA/ DDBJ accession Nos.</b>
	UTHSCSA 10-71 = FMR 14200	USA, CT, bronchoalveolar lavage, 2010, D.A. Sutton	LN898780
	UTHSCSA 07-3790 = FMR 14193	USA, PA, bronchoalveolar lavage, D.A. Sutton	LN898779
	S 309	Slovakia, Ardovská Cave, cave air, 2009, A. Nováková	ON807904
	UTHSCSA 10-327 = FMR 14152	USA, PA, sputum, 2010, D.A. Sutton	LN898777
	CGMCC 3.05276	China, soil, 1999	OP650310
	CGMCC 3.05267	China, soil, 1999	OP650311
	CMW-IA 39 = CMW 58641 = CN 138-G5	Canada, Nova Scotia, Little Lepreau, house dust, 2015, C.M. Visagie	ON807899
	CF 2281	Netherlands, cystic fibrosis patient - clinical sample, between 2011–2013	OP650312
	CF 2096	Netherlands, cystic fibrosis patient - clinical sample, between 2011–2013	OP650313
	CF 2685	Netherlands, cystic fibrosis patient - clinical sample, between 2011–2013	OP650314
	CF 2755	Netherlands, cystic fibrosis patient - clinical sample, between 2011–2013	OP650315
	DTO 268-B9	Uruguay, Montevideo, house dust, 2008, Z. Torrano	OP650316
	DTO 178-F6 = KAS 3811	South Africa, house dust, 2010, C.M. Visagie	OP650317
	DTO 138-B3	Germany, indoor air, 2010	ON807895
	S 479	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650318
	S 1099	Romania, Movile Cave, cave air, 2015, A. Nováková	OP650319
	DTO 262-A7	Turkey, Edirne, mosque indoor air, 2013, M. Tikvesli	OP650320
	ANV 6	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650321
	S 367	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650322
	S 139	Romania, Limanu Cave, cave air, 2012, A. Nováková	ON807905
	S 165	Czech Republic, Výпустek cave, cave air, 2012, A. Nováková	OP650323
	S 475	Spain, Nerja Cave, cave air, 2012, A. Nováková	ON807906
	EMSL 4720	USA, MA, Cohasset, apartment – indoor air, 2018, Ž. Jurjević	ON807901
	DTO 321-F4	Netherlands, cystic fibrosis patient, between 2011–2013	ON807907
	EMSL 4680	USA, NJ, apartment, air, 2018, Ž. Jurjević	OP650324
	EMSL 4785	USA, NJ, Cherry Hill, office, air, 2018, Ž. Jurjević	ON807892
	S 447	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	ON807893
	S 207	Romania, Meziad Cave, Capela, bat guano, 2010, A. Nováková	ON807890
	CGMCC 3.03941	China, 1969	OP650325
	DTO 319-D8 = IBT 23103	Slovenia, soil salterns, 2014, N. Gunde-Cimerman	ON807891
	S 844	Czech republic, Na Špičáku cave, moonmilk (limestone precipitate), 2013, A. Nováková	OP650326
	DTO 351-H1	Germany, sedimentation air sample, 2016, C. Stacke	OP650327
	NRRL 235	United Kingdom, London, paraffin, 1930, H. Raistrick	JN854027
	NRRL 240	USA, NY, rhizosphere of pepper plants, 1911, C.N. Jensen	JN854030
	NRRL 225	United Kingdom, 1913	JN854020
	DTO 019-B9 = CBS 108959	Denmark, cheese, J.C. Frisvad	OP650328
	CGMCC 3.05342	China, moldy preserved meat, 1999	OP650329
	S 378	Spain, Cueva del Tesoro, cave air, 2012, A. Nováková	OP650330
	S 454	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650331
	S 315	Slovakia, Ochtinská aragonitová cave, cave air, 2010, A. Nováková	ON807898
	ANV 3-16	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650332
	S 464	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650333
	R 1134 = CCF 5870	Czech Republic, Opava, sheet inside a church book, 2012, M. Polášek	OP650334
	S 452	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650335
	S 444	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650336
	S 451	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650337

Table S1. (Continued).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/DBJ accession Nos.
	S 372	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650338
	S 463	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650339
	S 458	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650340
	CF 0680	Netherlands, cystic fibrosis patient - clinical sample, between 2011–2013	OP650341
	CGMCC 3.05310	China, soil, 1999	OP650342
	CF 0901	Netherlands, cystic fibrosis patient - clinical sample, between 2011–2013	OP650343
	CGMCC 3.05297	China, moldy shoe, 1999	ON807897
	CGMCC 3.05282	China, soil, 1999	OP650344
	ANV 11-K8	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650345
	EMSL 4721	USA, NJ, Somerdale, bedroom, air, 2018, Ž. Jurjević	OP650346
	S 317	Slovakia, Krásnohorská Cave, cave air, 2006, A. Nováková	ON807896
	EMSL 4809	USA, MA, Cohasset, bedroom, air, 2018, Ž. Jurjević	OP650347
	ANV 15-16	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650348
	EMSL 4825	USA, OH, Pepper Pike, bedroom, settle plates, 2018, Ž. Jurjević	ON807894
	S 371	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	ON807903
	S 11	Spain, Cueva del Tesoro, cave sediment, 2010, A. Nováková	OP650349
	EMSL 4791	USA, VA, Lynchburg, crawlspace beam, swab, 2018, Ž. Jurjević	OP650350
	S 453	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650351
	DTO 319-F6 = IBT 31894	Japan, Noto, Peninsula, Mediterranean mussel ( <i>Mytilus galloprovinciales</i> ), 2014, M. Tzukamoto	ON807902
	S 966	Romania, Liliacilor de la Guru Dobrogei cave, cave air, 2014, A. Nováková	OP650352
	DTO 357-E6	Netherlands, cystic fibrosis patient, between 2011–2013	OP650353
	S 332	Spain, Gruta de las Maravillas, cave sediment, 2012, A. Nováková	OP650354
	EMSL 4787	USA, ME, Cohasset, bedroom - indoor air, 2018, Ž. Jurjević	OP650355
	EMSL 4818	USA, MA, Swampscott, bathroom wall, bulk, 2018, Ž. Jurjević	OP650356
	ANV 8-4K	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650357
	S 968	Romania, Liliacilor de la Guru Dobrogei cave, cave air, 2014, A. Nováková	OP650358
	NRRL 58671	USA, PA, indoor air, 2009, Ž. Jurjević	JN854054
	S 365	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650359
	ANV 7-4K	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650360
	NRRL 58674	USA, OH, indoor air, 2009, Ž. Jurjević	JN854057
	EMSL 4678	USA, NY, Mamaroneck, bedroom - indoor air, 2018, Ž. Jurjević	OP650361
	DTO 303-H3	Netherlands, Leerdam, surface of archive material, 2014, M. Meijer	ON807900
	ANV 17-4K	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650362
	EMSL 4507	USA, IL, hospital hallway - indoor air, 2017, Ž. Jurjević	OP650363
	ANV 5-4K	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650364
	EMSL 4776	USA, MN, Monticello, basement, staircase, swab, 2018, Ž. Jurjević	OP650365
	S 455	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650366
	EMSL 4786	USA, ME, Cohasset, office, air, 2018, Ž. Jurjević	OP650367
	EMSL 4729	USA, NY, Hicksville, office, return grill above file cabinet - swab, 2018, Ž. Jurjević	OP650368
	ANV 10-4K	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650369
	<b>NRRL 35641 = CBS 145750 = DTO 225-G5 = IBT 32284</b> (ex-type of <i>A. puulaaensis</i> )	USA, HI, dead hardwood branch, 2003, D.T. Wicklow	JN854034
	S 344	Slovakia, Šingliarova Abyss, organic matter in cave, 2008, A. Nováková	ON807943
	S 331	Romania, Meziad Cave, bat guano, 2009, A. Nováková	OP650370
	S 327	Czech Republic, Amatérská cave, organic matter in cave, 2009, A. Nováková	OP650371



Table S1. (Continued).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/ DDBJ accession Nos.
	S 843A	Czech Republic, Na Špičáku cave, moonmilk (limestone precipitate), 2013, A. Nováková	OP650372
	S 376	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	ON807945
	DTO 321-G4	Netherlands, polyethylene foil, 2014, J. Houbraeken	ON807944
	DTO 021-E3 = CBS 112381	Germany, indoor environment, 2002	OP650373
	CCF 5173	Czech Republic, Prague, mouse excrements in seed store, 2000, J. Hubert	ON807946
	S 209	Romania, Meziad Cave, bat droppings, 2009, A. Nováková	OP650374
	DTO 319-F1 = IBT 28264	Canada, Carp, indoor air, 2014, D. Miller	OP650375
	DTO 324-F6	Netherlands, cystic fibrosis patient, 2014	ON807941
	S 343	Czech Republic, Amatérská cave, earthworm casts, 2009, A. Nováková	OP650376
	NRRL 58602	USA, WV, indoor air, 2009, Ž. Jurjević	JN854048
	DTO 019-I1	Imported into the Netherlands, coconut milk, 2006, J. Houbraeken	OP650377
	S 191	Romania, Meziad Cave, bat droppings, 2009, A. Nováková	ON807942
	S 164	Czech Republic, Javoříčské caves, cave air, 2012, A. Nováková	OP650378
	S 934	Czech Republic, Prague, wooden mat, 2014, A. Nováková	OP650379
	CCF 5742	Czech Republic, Sedlnice, abdominal cavity of <i>Apistogramma ramirezi</i> , 2011, J. Řehulka	OP650380
	DTO 328-A9	Germany, indoor air, 2015, T. van Doorn	OP650381
	UTHSCSA 11-1436 = FMR 14159	USA, WA, bronchoalveolar lavage, 2014, D.A. Sutton	LN898792
	CGMCC 3.04413	China, 1983	OP650382
	<b>NRRL 13150 = CBS 145752 = DTO 225-F5 = IBT 32283</b> (ex-type of <i>A. tennesseensis</i> )	USA, TN, toxic dairy cattle feed, 1984, B.W. Horn	JN854017
	CCF 5066	Spain, Nerja Cave, cave air, 2011, A. Nováková	ON807914
	S 466	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650383
	S 418	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650384
	S 377	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650385
	DTO 319-F2 = IBT 28293	Denmark, Fano, seawater, 2014, E.K. Lynne	ON807921
	S 442	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650386
	DTO 326-B3	Netherlands, Wolvega, cellophane, 2015, J. Houbraeken	OP650387
	NRRL 229	Unknown, 1917, R. Thaxter	JN854022
	S 384	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	ON807918
	S 429	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650388
	DTO 178-C5 = KAS 3787	South Africa, house dust, 2010, C.M. Visagie	ON807911
	S 488	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650389
	S 432	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650390
	S 431B	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650391
	S 428	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650392
	DTO 319-D2 = IBT 14828	United Kingdom, wheat, 2014, M. Hetmanski	ON807920
	CGMCC 3.03939	China, wood, 1969	OP650393
	CGMCC 3.05331	China, moldy oil, 1999	ON807908
	CGMCC 3.05379	China, soil, 1999	OP650394
	DTO 268-C6	Uruguay, Montevideo, house dust, 2008, Z. Torrano	ON807919
	CGMCC 3.0140	China, 1953	OP650395
	CGMCC 3.02907	China, 1971	OP650396
	CMW-IA 30 = CMW 58632 = CN 093-G3	South Africa, Free State, Kroonstad, maize (white), 2020, C.M. Visagie	ON807925
	CMW-IA 33 = CMW 58635 = CN 116-D2	South Africa, Free State, Heuningspruit, sunflower, 2020, C.M. Visagie	ON807922
	CMW-IA 28 = CMW 58630 = CN 089-A3	South Africa, Gauteng, Afrikaskop, soybean, 2020, S. Bezuidenhout	ON807916

Table S1. (Continued).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/DBJ accession Nos.
	CMW-IA 31 = CMW 58633 = CN 096-A1	South Africa, Mpumalanga, Bethal, soybean, 2020, S. Bezuidenhout	ON807924
	DTO 019-A6 = CBS 556.90	Japan, dried <i>Lentinus edodes</i> , 1990, J. C. Frisvad	ON807910
	CGMCC 3.1340	China, 1960	OP650397
	CGMCC 3.05345	China, moon cake, 1999	ON807909
	CMW-IA 27 = CMW 58629 = CN 089-A2	South Africa, Gauteng, Afrikaskop, soybean, 2020, S. Bezuidenhout	ON807923
	CMW-IA 26 = CMW 58628 = CN 089-A1	South Africa, Gauteng, Afrikaskop, soybean, 2020, S. Bezuidenhout	ON807915
	CMW-IA 25 = CMW 58627 = CN 088-I9	South Africa, Gauteng, Afrikaskop, soybean, 2020, S. Bezuidenhout	ON807917
	CGMCC 3.05307	China, moldy preserved meat, 1999	OP650398
	CGMCC 3.0505	China, 1952	OP650399
	CGMCC 3.0139	China, 1953	OP650400
	<b>NRRL 227 = CBS 599.65 = ATCC 16853 = IMI 211379</b> (ex-type of <i>A. cvjetkovicii</i> )	USA, New Jersey, soil, 1915, G.W. Wilson	EF652352
	NRRL 230	China, soy sauce, 1917, Round	JN854023
	NRRL 58593	USA, CA, indoor air, 2008, Ž. Jurjević	JN854044
	NRRL 4642	Unknown, 1969	EF652379
	DTO 019-A3	USA, NJ, soil	ON807926
	CCF 5764	Czech Republic, Staré Těchanovice, granulated feed for trout, 2011, J. Řehulka	OP650401
	UTHSCSA 10-479 = FMR 14153	USA, OH, hospital air, 2010, D.A. Sutton	LN898772
	CGMCC 3.1339	China, 1960	OP650402
	CGMCC 3.631	China, 1954	OP650403
	CMW-IA 24 = CMW 58636 = CN 116-D4	South Africa, Free State, Heuningspruit, sunflower, 2020, C.M. Visagie	ON807913
	CMW-IA 23 = CMW 58625 = CN 066-E9	South Africa, Gauteng, Afrikaskop, soybean, 2020, S. Bezuidenhout	ON807912
	CGMCC 3.07849	China, 2005	ON807927
<i>A. subversicolor</i>	<b>NRRL 58999<sup>T</sup> = CBS 145751<sup>T</sup> = DTO 225-G9<sup>T</sup></b>	India, Karnataka, coffee berry, 1970, B. Muthappa	JN854010
	DTO 353-D8 = URM 7878	Brazil, Recife, honey of <i>Melipona scutellaris</i> , 2014, R. Barbosa	ON807889
	DTO 353-A7 = URM 7877	Brazil, Recife, honey of <i>Melipona scutellaris</i> , 2014, R. Barbosa	ON807888
	DTO 352-E1 = URM 7876	Brazil, Recife, nests of <i>Melipona scutellaris</i> , 2014, R. Barbosa	OP650404
<i>A. sydowii</i>	<b>NRRL 254<sup>T</sup> = CBS 593.65<sup>T</sup> = IMI 211384<sup>T</sup> = NRRL 250<sup>T</sup> = ATCC 16844<sup>T</sup></b>	USA, GA, clinical isolate, M.M. Harris	LC589325
	S 17	Spain, Cueva del Tesoro, cave air, 2010, A. Nováková	OP650405
	S 15	Spain, Cueva del Tesoro, cave air, 2010, A. Nováková	ON807882
	DTO 020-F2 = CBS 116.34 = IFO 4096 (ex-type of <i>Aspergillus sydowii</i> var. <i>achlamydosporus</i> )	Japan, tobacco, R. Nakazawa	OP650406
	CMW-IA 41 = CMW 58643 = CN 164B1 = DN 6	Botswana, Gcwihaba Cave, guano-contaminated cave sediment, 2019, G. Modise and D. Nkwe	ON807884
	S 1493	Romania, Movable Cave, cave sediment, 2015, A. Nováková	OP650407
	DTO 002-H3 = CBS 117771	South Korea, Yeongi, hot pepper from pepper field, 2003, S.B. Hong	ON807874
	DTO 004-G1 = CBS 118475	Netherlands, tattoo paint, 2005, J. Houbraken	ON807871
	DTO 276-B2	Iran, bronchoalveolar lavage, 2013, J. Najafzadeh	OP650408
	S 13	Spain, Cueva del Tesoro, cave sediment, 2010, A. Nováková	OP650409

**Table S1.** (Continued).

<b>Species</b>	<b>Strain No.<sup>1</sup></b>	<b>Provenance</b> (locality, substrate, year of isolation, isolator/ collector)	<b>GenBank/ENA/ DDBJ accession Nos.</b>
	S 1062B	Romania, Movile Cave, cave air, 2015, A. Nováková	OP650410
	DTO 145-G7	Egypt, tomb of dogs, 2010, M. Meijer	ON807880
	S 1518	Spain, Nerja Cave, cave sediment, 2011, A. Nováková	OP650411
	DTO 266-H9	Federated States of Micronesia, Malem, house dust, 2009, W. Law	ON807873
	S 1504	Mauritius, beach sand, 2017, A. Nováková	OP650412
	S 16	Spain, Altamira Cave, cave air, 2008, A. Nováková	OP650413
	ANV 2-22	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650414
	S 1068	Romania, Movile Cave, floating mat, 2015, A. Nováková	OP650415
	CCF 5063	Spain, Cueva del Tesoro, cave sediment, 2011, A. Nováková	ON807872
	S 1524	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650416
	CCF 3621	Czech Republic, Olomouc, endotracheal secret of man, 2003, P. Hamal	ON807875
	CGMCC 3.1353	China, 1960	OP650417
	CGMCC 3.1359	China, 1960	OP650418
	UTHSCSA 09-1708 = FMR 14338	USA, UT, lung tissue, 2009, D.A. Sutton	LN898809
	CGMCC 3.1357	China, 1960	OP650419
	UTHSCSA 12-934 = FMR 14210	USA, MN, bronchoalveolar lavage, 2012, D.A. Sutton	LN898802
	UTHSCSA 09-48 = FMR 14147	USA, KY, blood, D.A. Sutton	LN898793
	UTHSCSA 06-4167 = FMR 14187	USA, MN, sinus, D.A. Sutton	LN898799
	UTHSCSA 11-204 = FMR 14155	USA, PA, clinical sample – eye, 2011, D.A. Sutton	LN898794
	DTO 268-C2	Uruguay, Montevideo, house dust, 2008, Z. Torrano	ON807879
	UTHSCSA 06-2780 = FMR 14185	USA, MN, bronchus, 2006, D.A. Sutton	LN898798
	UTHSCSA 08-865 = FMR 14366	USA, MN, hip joint, D.A. Sutton	LN898811
	UTHSCSA 07-1018 = FMR 14189	USA, CA, animal clinical sample, D.A. Sutton	LN898800
	UTHSCSA 06-2186 = FMR 14184	USA, FL, bronchoalveolar lavage, D.A. Sutton	LN898797
	UTHSCSA 13-2518 = FMR 14164	USA, UT, clinical sample – eye, 2013, D.A. Sutton	LN898795
	UTHSCSA 09-97 = FMR 14197	USA, CA, bronchoalveolar lavage, D.A. Sutton	LN898801
	UTHSCSA 13-2630 = FMR 14165	USA, MN, sinus, D.A. Sutton	LN898796
	CGMCC 3.03157	China, soil, 1970	OP650420
	CGMCC 3.03567	China, pig dung, 1969	OP650421
	CGMCC 3.13937	China, shoe, 2009	ON807876
	CGMCC 3.1081	China, 1959	OP650422
	CGMCC 3.07873	China, 2005	OP650423
	CGMCC 3.06723	China, fermented crop, 2004	ON807878
	CGMCC 3.05318	China, soil, 1999	OP650424
	S 23	Czech Republic, Moravian Karst, New Amateur Cave, „Dóm Ráztoka“ Dome, cave sediment, 2009, A. Nováková	ON807881
	S 41	Spain, near Castañar de Ibor Cave, outdoor air, 2009, A. Nováková	ON807883
	CMW-IA 46 = CMW 58648 = CN 164B6 = DN 86	Botswana, Gcwihaba Cave, guano-contaminated cave sediment, 2019, G. Modise & D. Nkwe	ON807887
	DTO 020-F3 = CBS 129.55 = ATCC 12065	Brazil, sputum, A.C. Batista	OP650425
	DTO 002-B1 = CBS 117278	Ghana, Djembe, 2005, J. Houbraken	OP650426
	CGMCC 3.06744	China, fermented crop, 2004	OP650427
	CMW-IA 35 = CMW 58637 = CN 117-C2	South Africa, Viljoenskroon, sunflower, 2020, C.M. Visagie & N. Yilmaz	ON807877
	CGMCC 3.07839	China, soil, 2005	OP650428
	CGMCC 3.01415	China, 1960	OP650429
	DTO 020-E8 = CBS 11826	China, red rice	OP650430
	CGMCC 3.03886	China, lens, 1969	OP650431



Table S1. (Continued).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/ DDBJ accession Nos.
	CGMCC 3.01452	China, 1960	OP650432
	DTO 283-E2	Thailand, soil from corn field, 2013, N. Anukul	OP650433
	CGMCC 3.03943	China, 1969	OP650434
	CGMCC 3.03944	China, paper, 1969	OP650435
	DTO 317-H5	China, Beijing, indoor air, 2012, A.J. Chen	OP650436
	CGMCC 3.03942	China, wood, 1969	OP650437
	CGMCC 3.13934	China, 2009	OP650438
	DTO 262-A8	Turkey, Edirne, indoor air, 2013, A. Asan	OP650439
	CGMCC 3.1355	China, 1960	OP650440
	DTO 245-C9	Mexico, Sayulita, house dust, 2009, A. Amed	OP650441
	CMW-IA 42 = CMW 58644 = CN 164B2 = DN 30	Botswana, Gcwihaba Cave, guano-contaminated cave sediment, 2019, G. Modise & D. Nkwe	ON807885
	CGMCC 3.05451	China, underwear, 1999	OP650442
	DTO 021-D5 = CBS 38475	India, Lucknow, Gaurigaon, usar soil, J.N. Rai, J.P. Tewari & R. Agarwal	OP650443
	CGMCC 3.07939	China, indoor air, 2006	OP650444
	CGMCC 3.07826	China, indoor air, 2005	OP650445
	DTO 250-D8	Indonesia, pathological laboratory room, 2012, A. Sidar	OP650446
	CGMCC 3.06739	China, fermented crop, 2004	OP650447
	CMW-IA 44 = CMW 58646 = CN 164B4 = DN 47	Botswana, Gcwihaba Cave, guano-contaminated cave sediment, 2019, G. Modise & D. Nkwe	ON807886
	CGMCC 3.00352	China, 2007	OP650448
<i>A. versicolor</i>	<b>NRRL 238<sup>T</sup> = CBS 583.65<sup>T</sup> = ATCC 9577<sup>T</sup> = IFO 33027<sup>T</sup> = IMI 229970<sup>T</sup> = JCM 10258<sup>T</sup> = UAMH 4956<sup>T</sup> = UAMH 9314<sup>T</sup></b>	USA, V.K. Charles	EF652354
	DTO 174-H9	Imported from Madagascar, vanilla sticks, 2012, J. Houbraken	ON807867
	DTO 319-E9 = IBT 28029 = ATCC 32662	USA, TX, soil, 2014, H.W. Schroeder	ON807866
	NRRL 13146	USA, TN, toxic dairy cattle feed, 1984, B.W. Horn	JN854013
	NRRL 13145	USA, TN, toxic dairy cattle feed, 1984, B.W. Horn	JN854012
	NRRL 13144 = NRRL A-27273	USA, TN, toxic dairy cattle feed, 1984, B.W. Horn	JN854011
	DTO 270-D1	Mexico, Sayulita, house dust, 2009, A. Amend	ON807868
	DTO 352-F7 = URM 7879	Brazil, Recife, nests of <i>Melipona scutellaris</i> , 2014, R. Barbosa	OP650449
	UTHSCSA 03-3679 = FMR 14181	USA, FL, bronchoalveolar lavage, 2003, D.A. Sutton	LN898817
	DTO 241-I4	Indonesia, surface in medical rehabilitation room, 2012, A. Sidar	ON807869
	DTO 266-H8	Federated States of Micronesia, Malem, house dust, 2009, W. Law	OP650450
	CMW-IA 22 = CMW 58624 = CN 054-B5	South Africa, North West Province, Ottosdal, maize (white), 2020, C.M. Visagie & N. Yilmaz	ON807870
	CGMCC 3.04415	China, 1983	OP650451
	CGMCC 3.04414	China, 1983	OP650452
	<b>NRRL 233 = CBS 145748 = DTO 225-D8</b> (ex-type of <i>A. austroafricanus</i> )	South Africa, Cape Town, 1922, V.A. Putterill	JN854025
	DTO 267-C1	Federated States of Micronesia, house dust	OP650453
	DTO 237-D1	Indonesia, Yogyakarta, food and nutrient library, 2012, R. Rahmawati	ON807852
	DTO 268-A1	Thailand, Songkla, house dust, 2009, P. Noonim	ON807853
	DTO 267-G2	South Africa, Stellenbosch, house dust, 2009, K. Jacobs	ON807850
	S 627	Spain, Cueva del Tesoro, cave air, 2012, A. Nováková	ON807851

Table S1. (Continued).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/ DDBJ accession Nos.
	<b>CBS 145671 = HKU49 = NBRC 110693 = NCPF 7870 = BCRC FU30360 = DTO 351-C3</b> (ex-type of <i>A. hongkongensis</i> )	Hong Kong, human toenail, 2013	LC000565
	CMW-IA 45 = CMW 58647 = CN 164B5 = DN 52	Botswana, Gcwihaba Cave, guano-contaminated cave sediment, 2019, G. Modise & D. Nkwe	ON807849
	<b>CBS 142028 = MFBF AV11051B IX = SZMC 22333</b> (ex-type of <i>A. pepii</i> )	Croatia, Zagreb, grain mill- indoor air, 2012, D. Jakšić Despot	KU613365
	DTO 243-G4	Indonesia, polyclinic for children, 2012, A. Sidar	OP650454
	DTO 321-IA = IBT 26784	Brazil, green coffee beans, 2014, M. Franck	OP650455
	<b>CBS 138191 = DTO 267-D8</b> (ex-type of <i>A. griseoaurantiacus</i> )	Federated States of Micronesia, Yela of Kosrae Island, house dust, 2010, E. Whitfield & K. Mwangi	KJ775357
	S 385	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650456
	S 441	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650457
	DTO 319-E3	Thailand, Sofitel, Hua Hin, soil under bush, 2014, J.C. Frisvad	OP650458
	DTO 138-A3	Germany, airconditioning system, 2010	ON807825
	S 465	Spain, Nerja Cave, cave air, 2012, A. Nováková	ON807827
	S 381	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650459
	EMSL 4828	USA, PA, Philadelphia, pharmacy air, 2018, Ž. Jurjević	OP650460
	S 115	Romania, Movile Cave, cave air, 2012, A. Nováková	OP650461
	S 438	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650462
	S 431A	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650463
	DTO 267-D2 = CBS 138190	Federated States of Micronesia, Lelu, house dust, 2009, W. Law	ON807817
	EMSL 4723	USA, NJ, Morris Plains, bathroom wall – swab, 2018, Ž. Jurjević	ON807819
	DTO 337-C3	Germany, school material, 2015, U. Hack	ON807818
	DTO 245-F5 = CBS 138189	Mexico, Sayulita, house dust, 2009, A. Amend	ON807821
	CF 2835	Netherlands, cystic fibrosis patient - clinical sample, between 2011–2013	OP650464
	CMW-IA 37 = CMW 58639 = CN 132-C9	South Africa, animal feed, 2021, C.M. Visagie & N. Yilmaz	ON807820
	DTO 138-A9	Germany, recycling company, air, 2010	OP650465
	CMW-IA 36 = CMW 58638 = CN 131-G9	South Africa, animal feed, 2021, C.M. Visagie & N. Yilmaz	ON807822
	DTO 353-A8 = URM 7875	Brazil, Recife, nests of <i>Melipona scutellaris</i> , 2014, R. Barbosa	OP650466
	CGMCC 3.03903	China, 1969	OP650467
	DTO 283-E8	Thailand, soil from corn field, 2013, N. Anukul	OP650468
	CGMCC 3.05271	China, soil, 1999	OP650469
	DTO 276-F9	Iran, bronchoalveolar lavage, 2013, J. Najafzadeh	ON807826
	CGMCC 3.05265	China, 1999	OP650470
	FMR 15740	Argentina, soil, 2016, A.M. Stchigel	LT903684
	CGMCC 3.1083	China, 1959	OP650471
	UTHSCSA 10-1677 = FMR 14202	USA, CA, pleural fluid, D.A. Sutton	LN898815
	UTHSCSA 07-2427 = FMR 14190	USA, bronchoalveolar lavage, 2007, D.A. Sutton	LN898814
	CGMCC 3.1068	China, shoe, 1959	OP650472
	UTHSCSA 08-2898 = FMR 14232	USA, bronchoalveolar lavage, 2008, D.A. Sutton	LN898816
	CGMCC 3.05288	China, moldy broom, 1999	ON807810
	<b>NRRL 239 = CBS 584.65 = ATCC 16856 = IMI 211385</b> (ex-type of <i>A. fructus</i> )	USA, CA, date fruit ( <i>Phoenix dactylifera</i> ), 1939, D.E. Bliss	EF652361
	DTO 268-I7	Federated States of Micronesia, Lelu, house dust, 2008, W. Law	ON807847
	DTO 246-D6	South Africa, <i>Gonatophragmium</i> sp., 2013, J. Houbraken	ON807848

Table S1. (Continued).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/ DDBJ accession Nos.
	DTO 246-D5	South Africa, <i>Gonatophragmium</i> sp., 2013, J. Houbraeken	OP650473
	CMW-IA 32 = CMW 58634 = CN 116-D1	South Africa, Heuningspruit, sunflower, 2020, C.M. Visagie & N. Yilmaz	ON807834
	DTO 319-D4	USA, WY, Farson, dungy soil under <i>Artemisia tridentata</i> , 2014, J.C. Frisvad	ON807833
	CMW-IA 40 = CMW 58642 = CN 164A9 = DN 2	Botswana, Gcwihaba Cave, guano-contaminated cave sediment, 2019, G. Modise & D. Nkwe	ON807832
	DTO 267-G6	South Africa, Stellenbosch house dust, 2009, K. Jacobs	OP650474
	DTO 267-G8	South Africa, Stellenbosch, house dust, 2009, K. Jacobs	ON807831
	DTO 262-A1	Turkey, Izmir, breakfast cereal, 2013, A. Yoltas	OP650475
	DTO 261-I4	Turkey, Izmir, soil, 2013, C. Unal	OP650476
	S 434	Spain, near Nerja Cave, soil, 2012, A. Nováková	ON807830
	S 440	Spain, near Nerja Cave, soil, 2012, A. Nováková	OP650477
	NRRL 241	Unknown, pomegranate fruit, 1916, L. McCulloch	JN854031
	UTHSCSA 12-3194 = FMR 14162	USA, CA, pericardium, 2012, D.A. Sutton	LN898773
	S 433	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650478
	DTO 019-A2	USA, CA, fruit of <i>Phoenix dactylifera</i>	ON807829
	<b>NRRL 4838 = NRRL 236 = CBS 111.32 = CBS 600.65 = DTO 019-A4 = IMI 211400 = ATCC 16845</b> (ex-type of <i>A. amoenus</i> )	Germany, Münster, botanical garden, fruit of <i>Berberis</i> sp., 1930, M. Roberg	EF652392
	DTO 319-D5 = IBT 21121 = CCRC 32142	Taiwan, Hwalien City, stored sesame seeds, 2014, S.S. Tzean	ON807845
	EMSL 4790	USA, MD, Aberdeen, bathroom wall, swab, 2018, Ž. Jurjević	ON807846
	EMSL 4774	USA, MD, Aberdeen, bedroom, settle plate, 2018, Ž. Jurjević	OP650479
	DTO 267-F7	Federated States of Micronesia, Lelu, house dust, 2008, W. Law	ON807844
	UTHSCSA 09-2582 = FMR 14368	USA, MA, lung tissue, 2009, D.A. Sutton	LN898754
	UTHSCSA 06-1721 = FMR 14138	USA, FL, bronchoalveolar lavage, D.A. Sutton	LN898742
	DTO 319-E7 = IBT 26807	India, Chickmagalur, green coffee beans, 2014, M. Franck	OP650480
	CGMCC 3.02759	China, 1962	OP650481
	DTO 319-E2 = NRRL 35600 = IBT 29647	USA, HI, Kapuka Pauula, basidiomata of <i>Ganoderma australe</i> , 2014, D.T. Wicklow	JN854033
	DTO 269-A7	Federated States of Micronesia, Lelu, house dust, 2008, W. Law	ON807843
	EMSL 4779	USA, TX, Tyler, bedroom, vent – swab, 2018, Ž. Jurjević	ON807840
	DTO 337-B5	Germany, air sample, 2015, U. Hack	OP650482
	S 333	Romania, Fânațe Cave, bat guano, 2010, A. Nováková	ON807841
	S 194	Romania, Fânațe Cave, bat guano, 2010, A. Nováková	OP650483
	DTO 319-D3 = IBT 16439 = IMI 096225	United Kingdom, hay, 2014, M.E. Lacey	ON807842
	S 217	Romania, Fânațe Cave, bat guano, 2010, A. Nováková	OP650484
	S 320	Slovakia, Harbešská Cave, cave sediment, 2009, A. Nováková	OP650485
	UTHSCSA 05-2980 = FMR 14134	USA, NB, animal - clinical sample	LN898741
	S 459	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	ON807837
	NRRL 226 = ATCC 10072	Unknown, mammary gland – clinical sample	LC589335
	EMSL 4810	USA, FL, St. Petersburg, hallway air, 2018, Ž. Jurjević	OP650486
	DTO 248-D1	Mexico, Sayulita, house dust, 2009, A. Amend	ON807839
	S 380	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650487
	S 409B	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650488
	CCF 5038	Spain, Nerja Cave, cave air, 2011, A. Nováková	OP650489

**Table S1.** (Continued).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/ DDBJ accession Nos.
	S 310	Spain, Cueva del Tesoro, cave sediment, 2010, A. Nováková	ON807838
	CMW-IA 38 = CMW 58640 = CN 137-15	South Africa, animal feed, 2021, C.M. Visagie & N. Yilmaz	ON807835
	UTHSCSA 09-125 = FMR 14198	USA, MD, bronchoalveolar lavage, 2009, D.A. Sutton	LN898750
	UTHSCSA 07-443 = FMR 14329	USA, FL, bronchoalveolar lavage, D.A. Sutton	LN898752
	CGMCC 3.0730	China, 1956	OP650490
	UTHSCSA 06-4284 = FMR 14188	USA, SC, bronchoalveolar lavage, 2006, D.A. Sutton	LN898749
	UTHSCSA 11-476 = FMR 14157	USA, MO, sputum, D.A. Sutton	LN898747
	UTHSCSA 07-2785 = FMR 14143	USA, pleural fluid, D.A. Sutton	LN898744
	UTHSCSA 07-1668 = FMR 14142	USA, MN, sinus, D.A. Sutton	LN898743
	<b>NRRL 4791 = CBS 122718 = IFO 4098</b> (ex-type of <i>A. tabacinus</i> )	Unknown, tobacco, before 1934, Y. Nakazawa	EF652390
	CMW-IA 43 = CMW 58645 = CN 164B3 = DN 40	Botswana, Gcwihaba Cave, guano-contaminated cave sediment, 2019, G. Modise & D. Nkwe	ON807828
	S 334	Romania, Zidita Cave, bat guano, 2009, A. Nováková	ON807824
	S 215	Romania, Zidita Cave, bat guano, 2009, A. Nováková	ON807823
	NRRL 5031 (ex-type of <i>A. versicolor</i> var. <i>magnus</i> )	Unknown country and source, before 1962, Y. Sasaki	JN854036
	DTO 019-D2	South Korea, Daejeon, soil from pepper field, 2003, S.B. Hong	ON807811
	CCF 3690	Czech Republic, Liberec, toenail of woman, 2006, J. Doležalová	FR751430
	CF 0865	Netherlands, cystic fibrosis patient - clinical sample, between 2011–2013	OP650491
	DTO 065-G7	Austria, Vienna, pharmaceutical factory – indoor air, G.F. Kraus	OP650492
	DTO 337-B9	Germany, wallpaper, 2015, U. Hack	ON807816
	CGMCC 3.09552	China, moldy chocolate, 2006	OP650493
	CCF 6106	Czech Republic, gills of rainbow trout, J. Řehulka	OP650494
	DTO 319-E6 = IBT 26806	India, Kerala, green coffee beans, 2014, M. Franck	ON807814
	EMSL 4820	USA, NY, New York, bedroom, swab, 2018, Ž. Jurjević	ON807815
	ANV 16-4K	Czech Republic, Prague, book in library, 2018, A. Nováková	ON807813
	S 1250	Romania, near Limanu Cave, soil, 2015, A. Nováková	OP650495
	S 375	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650496
	S 369	Spain, Cueva del Tesoro, cave air, 2012, A. Nováková	OP650497
	EMSL 4753	USA, FL, Jacksonville, bedroom, settle plates, 2018, Ž. Jurjević	ON807859
	DTO 268-C4	Uruguay, Montevideo, house dust, 2008, Z. Torrano	OP650498
	S 473	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650499
	S 49	Spain, Nerja Cave, cave sediment, 2011, A. Nováková	ON807862
	S 450	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	ON807861
	CCF 5370	Romania, Movile Cave, cave air, 2013, A. Nováková	OP650500
	S 487	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650501
	S 445	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	ON807858
	ANV 12-4K	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650502
	S 482	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650503
	CGMCC 3.1350	Unknown	OP650504
	DTO 019-A8 = CBS 56490	Egypt, salty marsh soil, 1985, A.F. Moustafa	OP650505
	CGMCC 3.0526	China, soil, 1999	OP650506
	DTO 319-F5 = IBT 31399	Denmark, sewage water, 2014, J.C. Frisvad	OP650507
	DTO 138-B8	Germany, indoor environment, 2010	OP650508
	UTHSCSA 06-2837 = FMR 14328	USA, bronchoalveolar lavage, 2006, D.A. Sutton	LN898790
	CGMCC 3.1338	China, 1960	OP650509
	UTHSCSA 12-338 = FMR 14208	USA, CA, anima clinical sample I, D.A. Sutton	LN898788

Table S1. (Continued).

Species	Strain No. <sup>1</sup>	Provenance (locality, substrate, year of isolation, isolator/ collector)	GenBank/ENA/DBJ accession Nos.
	CGMCC 3.1344	China, 1960	OP650510
	UTHSCSA 08-3392 = FMR 14195	USA, MA, bronchoalveolar lavage, D.A. Sutton	LN898786
	UTHSCSA 12-256 = FMR 14244	USA, SC, bronchoalveolar lavage, D.A. Sutton	LN898789
	CGMCC 3.1080	China, fermented crop, 1999	OP650511
	DTO 019-D6	Montenegro, Ulcinj, seawater, M. Muntañola-Cvetkovic	ON807854
	S 39	Spain, Cueva del Tesoro, cave air, 2010, A. Nováková	ON807856
	DTO 161-A3	Turkey, Istanbul, clinical sample, cervical smear, B.A. Borsa	OP650512
	UTHSCSA 11-2175 = FMR 14205	USA, AL, Ohio, sputum, 2011, D.A. Sutton	LN898787
	UTHSCSA 08-1574 = FMR 14336	USA, CO, bronchoalveolar lavage, 2008, D.A. Sutton	LN898791
	UTHSCSA 11-269 = FMR 14156	USA, IL, bronchoalveolar lavage, 2011, D.A. Sutton	LN898784
	UTHSCSA 06-4104 = FMR 14140	USA, MD, bronchoalveolar lavage, 2006, D.A. Sutton	LN898782
	UTHSCSA 03-1197 = FMR 14179	USA, FL, sputum, 2003, D.A. Sutton	LN898813
	CGMCC 3.1345	China, 1960	OP650513
	DTO 019-A9 = CBS 56590	USA, FL, soil, 1988, R.A. Samson	OP650514
	DTO 268-C8	Uruguay, Montevideo, house dust, 2008, Z. Torrano	OP650515
	DTO 262-E9	Turkey, Izmir, child hospital, indoor, 2013, E. Sakartepe	OP650516
	DTO 247-E7	Mexico, Sayulita, house dust, 2009, A. Amend	ON807855
	CGMCC 3.01434	China, 1960	OP650517
	<b>NRRL 3505 = CBS 602.74 = ATCC 18990</b> (ex-type of <i>A. protuberus</i> )	former Yugoslavia, rubber coated electrical cables, before 1968, M. Muntañola-Cvetkovic	EF652372
	S 484	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650518
	S 471	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650519
	ANV 1-K8	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650520
	S 446	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650521
	S 415	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650522
	S 489	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650523
	S 469	Spain, Cueva del Tesoro, cave air, 2012, A. Nováková	OP650524
	S 486	Spain, Cueva del Tesoro, cave air, 2012, A. Nováková	OP650525
	S 480	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650526
	S 472	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650527
	S 474	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650528
	S 481	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650529
	S 417	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650530
	ANV 9-4K	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650531
	S 416	Spain, Nerja Cave, cave sediment, 2012, A. Nováková	OP650532
	EMSL 4703	USA, CA, Lawndale, framing below balcony, swab, 2018, Ž. Jurjević	ON807863
	DTO 019-D4 = CBS 601.74 = IMI 278378	former Yugoslavia, rubber coated electrical cables, before 1968, M. Muntañola-Cvetkovic	ON807864
	UTHSCSA 09-246 = FMR 14148	USA, CT, animal clinical specimen, 2009, D.A. Sutton	LN898783
	S 373	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650533
	S 1234	Romania, Liliecilor de la Guru Dobrogei cave, cave sediment, 2015, A. Nováková	OP650534
	S 374	Spain, Nerja Cave, cave air, 2012, A. Nováková	OP650535
	S 364	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650536
	DTO 021-E1 = CBS 110382	Argentina, <i>Prosopis</i> sp., R.M. Comerio	OP650537
	S 456	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650538
	EMSL 4739	USA, KS, Topeka, basement, settle plate, 2018, Ž. Jurjević	OP650539
	EMSL 4846	USA, NJ, Trenton, office building - indoor air, 2018, Ž. Jurjević	ON807857



**Table S1.** (Continued).

<b>Species</b>	<b>Strain No.<sup>1</sup></b>	<b>Provenance</b> (locality, substrate, year of isolation, isolator/ collector)	<b>GenBank/ENA/ DDBJ accession Nos.</b>
	CCF 5055	Spain, Nerja Cave, cave sediment, 2011, A. Nováková	OP650540
	S 10	Spain, Cueva del Tesoro, cave sediment, 2010, A. Nováková	OP650541
	S 366	Spain, Cueva del Tesoro, cave sediment, 2012, A. Nováková	OP650542
	NRRL 58748	USA, NJ, indoor air, 2009, Ž. Jurjević	JN854060
	ANV 18-22	Czech Republic, Prague, book in library, 2018, A. Nováková	OP650543

<sup>1</sup> Acronyms of culture collections in alphabetic order: ATCC, American Type Culture Collection, Manassas, Virginia; BCRC, Bioresource Collection and Research Center, Hsinchu, Taiwan; CBS, Westerdijk Fungal Biodiversity Institute (formerly Centraalbureau voor Schimmelcultures), Utrecht, the Netherlands; CCF, Culture Collection of Fungi, Department of Botany of Charles University, Prague, Czech Republic; CGMCC, China General Microbiological Culture Collection Center, China; CMW, CMW-IA & CN, working and formal culture collections housed at FABI (Forestry and Agricultural Biotechnology), Innovation Africa, University of Pretoria, South Africa; DN, working collection of David Nkwe, housed at the Department of Biological Sciences and Biotechnology, Botswana International University of Science and Technology, Palapye, Botswana; DTO, Internal Culture Collection of the Department of Applied and Industrial Mycology of the CBS-KNAW Fungal Biodiversity Centre, Utrecht, The Netherlands; EMSL, EMSL Analytical Inc., New Jersey, USA; FMR, Facultat de Medicina i Ciències de la Salut, Reus, Spain; HKU, The University of Hong Kong Mycological Herbarium, Hong Kong; IBT, Culture Collection at the Department of Biotechnology and Biomedicine, Lyngby, Denmark; IFO, Institute for Fermentation, Osaka, Japan (IFO strains were transferred to the NBRC NITE collection); IMI, CABI's collection of fungi and bacteria, Wallingford, UK; JCM, Japan Collection of Microorganisms, Tsukuba, Japan; KAS, fungal collection of Keith A. Seifert, internal working culture collection at DAOMC (Culture collection of the National Mycological Collections, Agriculture & Agri-Food Canada), Ottawa, Canada; MFBF, collection of the Department of Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Croatia; NBRC (NITE), National Institute of Technology and Evaluation, Biological Resource Center, Department of Biotechnology, Kisarazu, Chiba, Japan; NCPF, The National Collection of Pathogenic Fungi, Bristol, UK; NRRL, Agricultural Research Service Culture Collection, Peoria, Illinois, USA; SZMC, Szeged Microbiological Collection at the Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Hungary; UAMH, UAMH Centre for Global Microfungal Biodiversity (formerly University of Alberta Microfungus collection and Herbarium), Gage Research Institute, University of Toronto, Toronto, Canada; URM, culture collection at the Federal University of Pernambuco, Recife, Brazil; UTHSCSA, Collection of Fungus Testing Laboratory, University of Texas, Health Science Center, San Antonio, USA. Other: ANV, S, personal designation of strains isolated by A. Nováková (no permanent preservation of cultures); CF, personal strain designation of clinical samples from cystic fibrosis patients (no permanent preservation).

TABLE S2

Table S2. Growth rates of selected strains on eight cultivation media after 14 d in mm (average values from at least three measurements).

Species	Strain number	MEA	CYA	CZA	YES	DG18	OA	CY20S	CREA
<i>A. creber</i> (ex-type)	NRRL 58592	29	35	30	42	27	30	47	22
<i>A. creber</i>	EMSL 4844	32	38	32	23	36	23	34	31
<i>A. creber</i> (ex-type of <i>A. cvjetkovicii</i> )	NRRL 227	32	36	25	44	36	28	26	24
<i>A. creber</i> (' <i>A. cvjetkovicii</i> ')	DTO 019-A3	36	37	30	52	51	35	50	25
<i>A. creber</i> (ex-type of <i>A. jensenii</i> )	NRRL 58600	31	33	22	40	37	25	34	20
<i>A. creber</i> (' <i>A. jensenii</i> ')	EMSL 4720	25	29	21	36	25	30	35	23
<i>A. creber</i> (ex-type of <i>A. puulaauensis</i> )	NRRL 35641	36	35	27	48	41	36	37	20
<i>A. creber</i> (' <i>A. puulaauensis</i> ')	CCF 5173	33	34	27	31	31	22	38	25
<i>A. creber</i> (ex-type of <i>A. tennesseensis</i> )	NRRL 13150	31	31	21	35	38	30	27	25
<i>A. creber</i> (' <i>A. tennesseensis</i> ')	CCF 5066	40	18	22	31	44	30	26	23
<i>A. creber</i> (ex-type of <i>A. venenatus</i> )	NRRL 13147	34	35	26	50	30	32	38	26
<i>A. creber</i> (' <i>A. venenatus</i> ')	NRRL 13148	29	31	27	47	33	34	40	27
<i>A. creber</i> (' <i>A. venenatus</i> ')	NRRL 13149	23	28	25	47	28	30	38	25
<i>A. creber</i> (' <i>A. venenatus</i> ')	EMSL 4847	27	28	23	46	27	33	40	26
<i>A. subversicolor</i> (ex-type)	NRRL 58999	22	31	16	29	22	19	25	18
<i>A. sydowii</i> (ex-type)	NRRL 254	48	50	40	45	52	28	61	43
<i>A. sydowii</i>	CCF 3621	34	36	32	46	49	30	50	38
<i>A. sydowii</i>	CCF 5063	43	50	34	48	54	39	38	39
<i>A. versicolor</i> (ex-type)	NRRL 238	27	35	23	29	43	27	35	22
<i>A. versicolor</i>	DTO 241-I4	48	45	30	59	40	44	51	32
<i>A. versicolor</i>	DTO 174-H9	44	46	32	50	58	49	55	45
<i>A. versicolor</i> (' <i>A. amoenus</i> ')	CCF 5038	37	42	30	26	30	23	38	32
<i>A. versicolor</i> (ex-type of <i>A. austroafricanus</i> )	CBS 145748	33	29	33	52	37	45	53	32
<i>A. versicolor</i> (' <i>A. austroafricanus</i> ')	DTO 268-A1	20	37	32	41	30	30	26	33
<i>A. versicolor</i> (' <i>A. austroafricanus</i> ')	DTO 237-D1	38	46	36	60	49	44	52	45
<i>A. versicolor</i> (ex-type of <i>A. fructus</i> )	NRRL 239	25	28	22	25	31	26	30	20
<i>A. versicolor</i> (' <i>A. fructus</i> ')	DTO 319-D4	31	39	35	55	37	41	60	39
<i>A. versicolor</i> (ex-type of <i>A. griseoaurantiacus</i> )	CBS 138191	44	46	37	34	46	33	52	40
<i>A. versicolor</i> (' <i>A. griseoaurantiacus</i> ')	DTO 267-D2	43	33	37	50	40	25	35	39
<i>A. versicolor</i> (ex-type of <i>A. hongkongensis</i> )	CBS 145671	30	26	29	22	31	30	43	30
<i>A. versicolor</i> (ex-type of <i>A. pepii</i> )	CBS 142028	34	32	23	34	42	22	46	27
<i>A. versicolor</i> (' <i>A. protuberus</i> ')	CCF 5370	37	40	30	40	43	27	45	33
<i>A. versicolor</i> (ex-type of <i>A. tabacinus</i> )	NRRL 4791	45	42	35	49	38	41	54	33
<i>A. versicolor</i> (' <i>A. tabacinus</i> ')	CCF 3690	36	40	38	50	42	35	40	33
<i>A. versicolor</i> (' <i>A. tabacinus</i> ')	CCF 6106	24	39	31	46	38	28	36	30

**TABLE S3**

Table S3. Production of Hülle cells on eight cultivation media after 3 wk of cultivation at 25 °C in the dark.									
species	strain number	MEA	CYA	CZA	YES	DG18	OA	CY20S	CREA
<i>A. creber</i> (ex-type)	NRRL 58592	no	no	yes	no	no	no	no	yes
<i>A. creber</i>	EMSL 4844	yes	no	yes	no	yes	no	no	no
<i>A. creber</i> (ex-type of <i>A. cvjetkovicii</i> )	NRRL 227	no	no	no	no	no	no	no	no
<i>A. creber</i> (ex-type of <i>A. jensenii</i> )	NRRL 58600	yes	no	no	no	no	no	no	no
<i>A. creber</i> (' <i>A. jensenii</i> ')	EMSL 4720	yes	yes	yes	no	no	no	no	no
<i>A. creber</i> (ex-type of <i>A. puulaauensis</i> )	NRRL 35641	no	no	no	no	no	no	no	no
<i>A. creber</i> (' <i>A. puulaauensis</i> ')	CCF 5173	no	no	yes	yes	no	no	no	no
<i>A. creber</i> (ex-type of <i>A. tennesseensis</i> )	NRRL 13150	no	no	no	no	no	no	no	no
<i>A. creber</i> (' <i>A. tennesseensis</i> ')	CCF 5066	no	no	no	no	no	no	no	no
<i>A. creber</i> (ex-type of <i>A. venenatus</i> )	NRRL 13147	no	no	no	no	no	no	no	no
<i>A. creber</i> (' <i>A. venenatus</i> ')	EMSL 4847	no	no	no	no	no	no	no	yes
<i>A. subversicolor</i> (ex-type)	NRRL 58999	no	no	no	no	no	no	no	no
<i>A. sydowii</i> (ex-type)	NRRL 254	no	no	no	no	no	no	no	no
<i>A. sydowii</i>	CCF 3621	no	no	no	no	no	no	no	no
<i>A. sydowii</i>	CCF 5063	no	no	no	no	no	no	no	no
<i>A. versicolor</i> (ex-type)	NRRL 238	no	no	no	no	no	no	no	no
<i>A. versicolor</i>	DTO 241-I4	no	no	no	no	no	no	no	no
<i>A. versicolor</i> (' <i>A. amoenus</i> ')	CCF 5038	no	no	no	no	no	no	no	no
<i>A. versicolor</i> (ex-type of <i>A. austroafricanus</i> )	CBS 145748	no	no	no	yes	no	no	yes	no
<i>A. versicolor</i> (ex-type of <i>A. fructus</i> )	NRRL 239	yes	yes	yes	yes	yes	yes	yes	no
<i>A. versicolor</i> (' <i>A. fructus</i> ')	DTO 319-D4	yes	yes	no	no	yes	no	yes	no
<i>A. versicolor</i> (ex-type of <i>A. griseoaurantiacus</i> )	CBS 138191	no	no	no	no	no	no	no	no
<i>A. versicolor</i> (' <i>A. griseoaurantiacus</i> ')	DTO 267-D2	no	no	no	no	no	no	no	no
<i>A. versicolor</i> (ex-type of <i>A. hongkongensis</i> )	CBS 145671	no	no	no	no	no	no	no	no
<i>A. versicolor</i> (ex-type of <i>A. pepii</i> )	CBS 142028	no	no	no	no	no	no	no	no
<i>A. versicolor</i> (' <i>A. protuberus</i> ')	CCF 5055	yes	no	no	no	no	no	no	yes
<i>A. versicolor</i> (' <i>A. protuberus</i> ')	CCF 5370	no	no	no	no	no	no	no	no
<i>A. versicolor</i> (ex-type of <i>A. tabacinus</i> )	NRRL 4791	no	no	no	no	no	no	no	no
<i>A. versicolor</i> (' <i>A. tabacinus</i> ')	CCF 3690	no	no	no	no	yes	no	no	no
<i>A. versicolor</i> (' <i>A. tabacinus</i> ')	CCF 6106	no	no	no	no	no	no	no	no

**TABLE S4**

Table S4. Maximum sequence dissimilarity between isolates of the same <i>Aspergillus</i> species whose species limits have been delimited using methods based on multispecies coalescent model; only species represented by isolates from at least three countries were included.						
Species (No. of isolates)	Maximum sequence dissimilarity between strains					Reference
	<i>benA</i>	<i>CaM</i>	<i>RPB2</i>	<i>Mcm7</i>	<i>Tsr1</i>	
<b>sect. <i>Nidulantes</i>, ser. <i>Versicolores</i></b>						
<i>A. creber</i> (90)	2.3	2.2	2.8	2.7	2.4	this study
<i>A. sydowii</i> (23)	0.5	1	1	0.6	0.7	this study
<i>A. versicolor</i> (90)	3.7	3.3	3.4	3.3	3.1	this study
<b>sect. <i>Nidulantes</i></b>						
<i>A. falconensis</i> (8)	1.6	2.6	0.7	–	–	Sklenář <i>et al.</i> (2020)

Table S4. (Continued).

Species (No. of isolates)	Maximum sequence dissimilarity between strains					Reference
	<i>benA</i>	<i>CaM</i>	<i>RPB2</i>	<i>Mcm7</i>	<i>Tsr1</i>	
<i>A. spectabilis</i> (4)	1.5	2	1	–	–	Sklenář <i>et al.</i> (2020)
<i>A. stella–maris</i> (4)	0	0.2	0	–	–	Sklenář <i>et al.</i> (2020)
<i>A. stellatus</i> (10)	2.9	1.2	1.2	–	–	Sklenář <i>et al.</i> (2020)
<i>A. unguis</i> (7)	0.7	0.7	1.2	–	–	Sklenář <i>et al.</i> (2020)
<b>sect. <i>Candidi</i></b>						
<i>A. candidus</i> (23)	3	1.5	1.2	–	–	Glässnerová <i>et al.</i> (2022)
<i>A. dobrogensis</i> (22)	1.4	0.2	0.6	–	–	Glässnerová <i>et al.</i> (2022)
<i>A. campestris</i> (7)	2.2	4	4.3	–	–	Glässnerová <i>et al.</i> (2022)
<i>A. pragensis</i> (8)	0	0.2	0.4	–	–	Glässnerová <i>et al.</i> (2022)
<i>A. subalbidus</i> (29)	7.4	2.5	3.7	–	–	Glässnerová <i>et al.</i> (2022)
<i>A. taichungensis</i> (4)	3.3	2.8	1.2	–	–	Glässnerová <i>et al.</i> (2022)
<i>A. neotritici</i> (15)	2	1.6	0.8	–	–	Glässnerová <i>et al.</i> (2022)
<b>sect. <i>Flavipedes</i></b>						
<i>A. iizukae</i> (20)	4.6	3.4	0.9	–	–	Sklenář <i>et al.</i> (2021)
<i>A. micronesiensis</i> (20)	1.5	1.7	0.7	–	–	Sklenář <i>et al.</i> (2021)
<i>A. spelaeus</i> (16)	1.3	1.5	0.9	–	–	Sklenář <i>et al.</i> (2021)
<i>A. templicola</i> (7)	1.8	1.7	1.1	–	–	Sklenář <i>et al.</i> (2021)
<b>sect. <i>Fumigati</i>, ser. <i>Viridinutantes</i></b>						
<i>A. arcoverdensis</i> (13)	2.2	0.9	0.5	–	–	Hubka <i>et al.</i> (2018)
<i>A. felis</i> (35)	6.3	3.1	0.6	1.3	3.3	Hubka <i>et al.</i> (2018)
<i>A. pseudoviridinutans</i> (8)	3.1	2.2	1.9	0.7	1.4	Hubka <i>et al.</i> (2018)
<i>A. udagawae</i> (25)	1.3	2.9	1.2	–	–	Hubka <i>et al.</i> (2018)
<b>sect. <i>Nigri</i>, ser. <i>Nigri</i></b>						
<i>A. brasiliensis</i> (20)	2.7	3.7	1.4	1.8	1	Bian <i>et al.</i> (2022) <sup>1</sup>
<i>A. luchuensis</i> (13)	1.8	2	0.8	1.9	0.9	Bian <i>et al.</i> (2022)
<i>A. niger</i> (152)	1.8	2.7	1.9	0.8	2.1	Bian <i>et al.</i> (2022)
<i>A. tubingensis</i>	2.8	3.6	2.9	3.7	0.6	Bian <i>et al.</i> (2022)
<b>sect. <i>Restricti</i></b>						
<i>A. caesiellus</i> (9)	0.5	0.7	1.3	–	–	Sklenář <i>et al.</i> (2017)
<i>A. conicus</i> (19)	4.9	1.5	0.7	–	–	Sklenář <i>et al.</i> (2017)
<i>A. destruens</i> (14)	5.9	1.5	1.5	–	–	Sklenář <i>et al.</i> (2017)
<i>A. domesticus</i> (8)	2.1	1.3	1.1	–	–	Sklenář <i>et al.</i> (2017)
<i>A. glabripes</i> (11)	2	0	1.2	–	–	Sklenář <i>et al.</i> (2017)
<i>A. penicillioides</i> (26)	5	2	0.9	–	–	Sklenář <i>et al.</i> (2017)
<i>A. magnivesiculatus</i> (11)	1.4	2.4	1.6	–	–	Sklenář <i>et al.</i> (2017)
<i>A. restrictus</i> (17)	2.8	0.5	2.2	–	–	Sklenář <i>et al.</i> (2017)
<i>A. reticulatus</i> (13)	1.4	0.2	1.2	–	–	Sklenář <i>et al.</i> (2017)
<i>A. tardicrescens</i> (9)	0	1.5	0.6	–	–	Sklenář <i>et al.</i> (2017)
<i>A. vitricola</i> (17)	8	4.7	2.2	–	–	Sklenář <i>et al.</i> (2017)

<sup>1</sup>Bian C, Kusuya Y, Sklenář F, *et al.* 2022. Reducing the number of accepted species in *Aspergillus* series *Nigri*. *Studies in Mycology* **102**: under review.