

Table S1. Fungal strains included in this study, their collection numbers and type status, and the accession numbers of the sequences deposited in GenBank.

Taxon name	Strain number ^a	Status ^b	GenBank accession no.		
			SSU	ITS	LSU
<i>Dissophora decumbens</i> Thaxt.	CBS 301.87	–	HQ667439	HQ630275	HQ667354
<i>D. decumbens</i>	CBS 592.88	–	HQ667440	HQ630276	HQ667355
<i>D. ornata</i> W. Gams	CBS 347.77	<i>M. ornata</i> holotype	HQ667441	HQ630277	HQ667356
<i>D. ornata</i>	CBS 348.77	<i>M. ornata</i> holotype	HQ667442	HQ630278	HQ667357
<i>Gamsiella multidivariata</i> Benny & M. Blackw.	CBS 227.78	<i>M. multidivariata</i> isotype	HQ667475	HQ630314	HQ667391
<i>Lobosporangium transversale</i> M. Blackw. & Benny	NRRL3116	–	HQ667488	–	HQ667404
<i>Micromucor ramannianus</i> var. <i>ramannianus</i> (Möller) Arx	SZMC 12036	–	HQ667452	HQ630288	–
<i>Mi. ramannianus</i>	NRRL1296	–	–	HQ630289	HQ667366
<i>Mortierella acrotona</i> W. Gams	CBS 386.71	type	HQ667489	HQ630328	HQ667405
<i>M. alpina</i> Peyronel	CBS 210.32	<i>M. renispora</i> authentic	HQ667501	HQ630345	HQ667421
<i>M. amoeboides</i> W. Gams	CBS 889.72	type	HQ667502	HQ630346	HQ667422
<i>M. angusta</i> Linnem.	CBS 293.61	<i>M. polycephala</i> var. <i>angusta</i> neotype	HQ667443	HQ630279	HQ667358
<i>M. antarctica</i> Linnem.	CBS 609.70	type	HQ667503	HQ630347	HQ667423
<i>M. armillariicola</i> W. Gams	CBS 914.73	type	HQ667446	HQ630282	HQ667361
<i>M. beljakovae</i> Milko	CBS 123.72	type	–	HQ630352	HQ667428
<i>M. biramosa</i> Tiegh.	CBS 370.95	<i>M. wuyishanensis</i> type	HQ667473	HQ630312	HQ667389
<i>M. camargensis</i> W. Gams & R. Moreau	CBS 221.58	type	HQ667492	HQ630331	HQ667408
<i>M. capitata</i> Marchal	CBS 648.68	<i>M. vesiculosa</i> type	–	HQ847055	HQ667418
<i>M. chlamydozpora</i> (Chesters) Plaäts–Nit.	CBS 120.34	<i>Azygozgyum chlamydosporum</i> syntype	HQ667508	HQ630354	HQ667430
<i>M. clonocystis</i> W. Gams	CBS 357.76	type	HQ667479	HQ630318	HQ667395
<i>M. cogitans</i> Degawa	CBS 879.97	type	HQ667445	HQ630281	HQ667360
<i>M. cystojenkini</i> W. Gams & Veenb.–Rijks	CBS 456.71	type	HQ667504	HQ630348	HQ667424
<i>M. dichotoma</i> Linnem.	CBS 221.35	syntype	HQ667477	HQ630316	HQ667393
<i>M. echinosphaera</i> Plaäts–Nit.	CBS 575.75	holotype	–	GU559985	HQ667431
<i>M. elongata</i> Linnem.	FSU 822	–	HQ667494	HQ630336	HQ667412
<i>M. elongata</i>	FSU 823	–	HQ667495	HQ630337	HQ667413
<i>M. elongatula</i> W. Gams & Domsch	CBS 488.70	type	HQ667505	HQ630349	HQ667425
<i>M. epicladia</i> W. Gams & Emden	CBS 355.76	type	HQ667480	HQ630319	HQ667396
<i>M. epigama</i> W. Gams & Domsch	CBS 489.70	type	HQ667453	HQ630290	HQ667367
<i>M. exigua</i> Linnem.	CBS 655.68	type	HQ667490	HQ630329	HQ667406
<i>M. gamsii</i> Milko	CBS 253.36	<i>M. spinosa</i> syntype	HQ667497	HQ630339	HQ667415
<i>M. gamsii</i>	FSU 824	–	HQ667498	HQ630341	HQ667417
<i>M. gamsii</i>	CBS 749.68	type	–	HQ630340	HQ667416
<i>M. cf. gamsii</i> Milko	CBS 314.52	<i>M. spinosa</i> syntype	HQ667468	HQ630307	HQ667384
<i>M. gemmifera</i> M. Ellis	CBS 134.45	type	HQ667456	HQ630293	HQ667371
<i>M. globulifera</i> O. Rostr	CBS 417.64	<i>M. ericetorum</i> type	–	HQ847056	HQ667370
<i>M. globulifera</i>	CBS 858.70	neotype	HQ667454	HQ630291	HQ667368
<i>M. globulifera</i>	FSU 826	–	HQ667455	HQ630292	HQ667369
<i>M. histoplasmatoides</i> W. Gams	CBS 321.78	type	HQ667470	HQ630309	HQ667386
<i>M. horticola</i> Linnem.	CBS 305.52	syntype	HQ667483	HQ630322	HQ667399
<i>M. humilis</i> Linnem.	CBS 222.35	syntype	HQ667485	HQ630325	HQ667401
<i>M. humilis</i>	FSU 828	–	HQ667486	HQ630326	HQ667402
<i>M. humilis</i>	CBS 745.68	–	HQ667487	HQ630327	HQ667403
<i>M. hyalina</i> (Harz) W. Gams	CBS 306.52	<i>M. hygrophila</i> var. <i>minuta</i> syntype	HQ667460	HQ630297	HQ667376
<i>M. cf. hyalina</i> (Harz) W. Gams	CBS 115655	<i>Hydrophora hyalina</i> isotype	HQ667509	HQ630355	HQ667432
<i>M. hypsycladia</i> Degawa & W. Gams	CBS 116202	type	–	HQ630302	HQ667379
<i>M. indohii</i> C.Y. Chien	FSU 830	–	EU736291	HQ630299	EU736318
<i>M. indohii</i>	FSU 831	–	HQ667462	HQ630300	HQ667438
<i>M. indohii</i>	CBS 720.71	isotype	HQ667461	HQ630298	HQ667377

<i>M. kuhlmanni</i> W. Gams	CBS 157.71	type	HQ667457	HQ630294	HQ667372
<i>M. lignicola</i> (G.W. Martin) W. Gams & R. Moreau	CBS 207.37	<i>Haplosporangium lignicola</i> type	HQ667511	HQ630357	HQ667435
<i>M. lignicola</i>	CBS 313.52	<i>M. sepedonioides</i> type	HQ667510	–	HQ667434
<i>M. longicollis</i> Dixon–Stew.	CBS 209.32	authentic	HQ667451	HQ630287	HQ667365
<i>M. microzygospora</i> Degawa	CBS 880.97	type	HQ667478	HQ630317	HQ667394
<i>M. minutissima</i> Tiegh.	FSU 832	–	EU736292	HQ630324	EU736319
<i>M. minutissima</i> var. <i>dubia</i> Linnem.	CBS 307.52	syntype	HQ667484	HQ630323	HQ667400
<i>M. mutabilis</i> Linnem.	CBS 308.52	syntype	HQ667476	HQ630315	HQ667392
<i>M. nantahalensis</i> C.Y. Chien	CBS 610.70	type	HQ667472	HQ630311	HQ667388
<i>M. paraensis</i> Pfenning & W. Gams	CBS 547.89	type	–	HQ630353	HQ667429
<i>M. parazychnae</i> W. Gams	CBS 868.71	type	HQ667447	HQ630283	HQ667362
<i>M. parvispora</i> Linnem.	CBS 311.52	syntype	HQ667458	EU484279	HQ667373
<i>M. parvispora</i>	FSU 834	–	HQ667459	HQ630295	HQ667374
<i>M. parvispora</i>	FSU 835	–	–	HQ630296	HQ667375
<i>M. polycephala</i> Coem.	CBS 456.66	–	–	HQ630335	HQ667411
<i>M. polycephala</i>	FSU 696	–	HQ667493	HQ630332	HQ667409
<i>M. polycephala</i>	FSU 866	–	–	HQ630333	HQ667410
<i>Mortierella polygonia</i> W. Gams & Veenb. Rijks	–CBS 685.71	type	HQ667463	HQ630301	HQ667378
<i>M. pulchella</i> Linnem.	CBS 312.52	authentic	HQ667507	HQ630351	HQ667427
<i>M. ramanniana</i> var. <i>angulispora</i> (Naumov) Linnem.	CBS 222.29	neotype	HQ667450	HQ630286	HQ667364
<i>M. rishiksha</i> B.S. Mehrotra & B.R. Mehrotra	CBS 652.68	type	HQ667469	HQ630308	HQ667385
<i>M. rostafinskii</i> Bref.	CBS 522.70	neotype	HQ667512	HQ630358	HQ667436
<i>M. sarnyensis</i> Milko	CBS 122.72	type	HQ667474	HQ630313	HQ667390
<i>M. schmuckeri</i> Linnem.	CBS 295.59	syntype	HQ667496	HQ630338	HQ667414
<i>M. sclerotiella</i> Milko	CBS 529.68	type	HQ667471	HQ630310	HQ667387
<i>M. selenospora</i> W. Gams	CBS 811.68	type	HQ667499	HQ630343	HQ667419
<i>M. strangulata</i> Tiegh	CBS 455.67	neotype	HQ667513	HQ630359	HQ667437
<i>M. stylospora</i> Dixon–Stew.	CBS 211.32	type	HQ667444	HQ630280	HQ667359
<i>M. turficola</i> Y. Ling	CBS 432.76	neotype	HQ667506	HQ630350	HQ667426
<i>M. verticillata</i> Linnem.	CBS 346.66	<i>M. marburgensis</i> syntype	HQ667481	HQ630320	HQ667397
<i>M. verticillata</i>	CBS 374.95	<i>Haplosporangium attenuatissimum</i> type	HQ667482	HQ630321	HQ667398
<i>M. wolfii</i> B.S. Mehrotra & Baijal	CBS 209.69	–	HQ667464	HQ630303	HQ667380
<i>M. wolfii</i>	CBS 611.70	–	HQ667467	HQ630306	HQ667383
<i>M. wolfii</i>	CBS 612.70	–	HQ667465	HQ630304	HQ667381
<i>M. wolfii</i>	CBS 651.93	–	HQ667466	HQ630305	HQ667382
<i>Mortierella</i> cf. <i>wolfii</i>	CBS 614.70	–	HQ667500	HQ630344	HQ667420
<i>M. zonata</i> Linnem.	CBS 228.35	type	–	HQ630356	HQ667433
<i>M. zychnae</i> Linnem.	CBS 316.52	type	HQ667491	HQ630330	HQ667407
<i>Rhizopus oryzae</i> Went & Prins. Geerl.	NRRL28631	–	AF113440	–	AY213626
<i>Umbelopsis autotrophica</i> (E.H. Evans) W. Gams	CBS 310.93	<i>Mortierella ramanniana</i> var. <i>autotrophica</i> type	HQ667449	HQ630285	HQ667363
<i>U. isabellina</i> (Oudem.) W. Gams	NRLL1757	–	HQ667448	HQ630284	–

^a Abbreviations: CBS, Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands,

FSU, Fungal Reference Centre, Jena, Germany, NRRL, Agricultural Research Service Culture

Collection, Peoria, Illinois, U.S.A., SZMC, Szeged Microbial Collection, Hungary.

^b The status of the strains is presented as to be found in Mycobank

(<http://www.mycobank.org/>).