

Table S1. Samples collected and included in this study.

Sample/Locations	Number of samples (#)		Ocean	
	Ballast	Harbor	Longitude	Latitude
LA/Long Beach, CA	22	7		
Singapore	7	4		
Durban, South Africa	4	4		
Shanghai, China	7	5		
S2			01.4791667	104.0213889
S3			01.1960050	104.0981728
S5			00.0419444	104.7627778
S7			-01.9702778	105.1883333
S8			-04.9241667	106.9772222

Table S2. Ballast water sample metadata. Missing information is a result of incomplete or outdated ship logs of the sampled ballast tanks.

Sample ¹	Date	Vessel Type	Last Fill Location	Treatment ²	Ballast Residence Time ³
CA2	3/15/16	tanker	usa	bwe	3
CA3	3/15/16	bulker	ocean	er	26
CA6	3/15/16	bulker	usa	bwe	6
CA9	3/15/16	tanker			
CA13	3/17/16	container	brazil	er	10
CA18	3/18/16	container	usa	bwe	1
CA20	3/18/16	container	canada	bwe	74
CA23	3/20/16	container	ocean	er	8
CA26	3/20/16	tanker		er	1
CA28	3/9/17	container	usa	bwe	5
CA29	3/9/17	container	hong kong	er	8
CA30	3/10/17	bulker	usa	bwe	5
CA31	3/10/17	container	hong kong	bwe	9
CA32	3/11/17	container		er	98
CA33	3/12/17	container	belgium	er	10
CA34	3/12/17	tanker	usa	bwe	0
CA35	3/12/17	tanker	usa	bwe	2
CA36	3/12/17	tanker	korea		
CA37	3/13/17	container	korea	er	4
CA38	3/13/17	container	china	er	5
CA40	3/15/17	cargo			
CA41	3/15/17	cargo			
CN1	7/21/17	container	china	bwe	5
CN2	7/23/17	container	china	bwe	
CN4	7/24/17	container	taiwan	bwe	
CN6	7/26/17	container			
CN7	7/26/17	container	shanghai	bwe	
CN9	7/28/17	container	germany	bwe	
CN11	7/28/17	container	malta	bwe	
S9	5/16/16	container	china	bwe	6
S10	5/15/16	container	china	bwe	17
S11	5/20/16	container	china	bwe	16
S13	5/21/16	container	ocean	bwe	7
S15	7/1/16	container	uae	bwe	14
S17	7/4/16	container	singapore	bwe	0
S19	7/9/16	container	singapore	er	7
SA1	4/23/17	container	brazil	er	6
SA2	4/23/17	container	brazil	er	6
SA4	4/25/17	container	india	ft	8
SA6	4/29/17	container	south africa	bwe	15

¹ Location abbreviations: CA (Los Angeles/Long Beach, California); CN (Shanghai, China); S (Singapore); SA (Durban, South Africa)

² Treatment type abbreviations (meaning): bwe (ballast water exchange), er (empty-refill, sequential), ft (flow-through)

³ Reported in day.

Table S3. List of species used as a scaffolding for class phylogenetic analyses.

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
Basidiomycota			
Agaricomycetes	<i>Agaricus campestris</i>	Yes	NR151745
	<i>Albatrellus citrinus</i>	Yes	NR132801
	<i>Amanita muscaria</i>		AB015700
	<i>Amanita retenta</i>	Yes	NR159591
	<i>Amylocorticium subsulphureum</i>		GU187506
	<i>Athelia rolfsii</i>		AB042626
	<i>Auricularia mesenterica</i>		KJ698436
	<i>Auricularia orientalis</i>	Yes	NR151844
	<i>Bankera fuligineoalba</i>		EU622324
	<i>Boletus austroedulis</i>	Yes	NR 151833
	<i>Boletus edulis</i>		HM579927
	<i>Brevicellicium atlanticum</i>		HE963773
	<i>Byssocorticium caeruleum</i>	Yes	NR121454
	<i>Cantharellus cibarius</i>		AB453024
	<i>Cantharellus cibarius</i>		LC176759
	<i>Ceraceomyces atlanticus</i>	Yes	NR153926
	<i>Clavaria fragilis</i>		MH979249
	<i>Clavariadelphus pistillaris</i>		MH281842
	<i>Clavulina cristata</i>		AJ889929
	<i>Corticium roseum</i>		KJ140550
	<i>Cortinarius citrinofulvescens</i>	Yes	NR153067
	<i>Cortinarius infractus</i>	Yes	NR130225
	<i>Crepidotus malachioides</i>		KF879615
	<i>Entoloma mirum</i>	Yes	NR152932
	<i>Entoloma sinuatum</i>		LC088068
	<i>Fomitopsis pinicola</i>		LT906565
	<i>Ganoderma lucidum</i>		AM269773
	<i>Geastrum pectinatum</i>		EU784241
	<i>Gloeophyllum sepiarium</i>	Yes	NR119869
	<i>Gomphus clavatus</i>		DQ365637
	<i>Heliocybe sulcata</i>		HM536095
	<i>Hericium coralloides</i>		MG549951
	<i>Hydnum repandum</i>		AJ783968
	<i>Hygrophorus eburneus</i>		AY463484
	<i>Hymenochaete rubiginosa</i>		JQ716407
	<i>Hysterangium aggregatum</i>		KY697567
	<i>Inocybe subpaleacea</i>	Yes	NR153138
	<i>Jaapia argillacea</i>	Yes	NR119766
	<i>Lentaria surculus</i>		KU870450
	<i>Lepidostroma asianum</i>		KR186216
<i>Marasmius rotula</i>		KM085384	
<i>Meripilus giganteus</i>		KU366500	

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
	<i>Mycena pura</i>		KM085401
	<i>Omphalotus olearius</i>		MH856796
	<i>Paxillus adelphus</i>	Yes	NR158830
	<i>Phallus impudicus</i>		MH424916
	<i>Phanerochaete cystidiata</i>		LC412097
	<i>Phlebia tremellosa</i>		KJ668481
	<i>Physalacria corneri</i>	Yes	NR154323
	<i>Pleurotus ostreatus</i>		EU622256
	<i>Pluteus cervinus</i>	Yes	NR119875
	<i>Pluteus oreibatus</i>	Yes	NR153241
	<i>Podoserpula ailaoshanensis</i>	Yes	NR158915
	<i>Polyporus tuberaster</i>		AB474086
	<i>Pterula gracilis</i>		MH857800
	<i>Punctularia strigosozonata</i>		AB374288
	<i>Russula emetica</i>		AF418619
	<i>Schizophyllum commune</i>		AB733147
	<i>Schizopora radula</i>		AF145581
	<i>Sebacina incrustans</i>		AF490395
	<i>Steccherinum ochraceum</i>		KJ668453
	<i>Stereum hirsutum</i>		EU851114
	<i>Stropharia aeruginosa</i>		MH697848
	<i>Suillus pseudoalbivelatus</i>	Yes	NR159031
	<i>Sulzbacheromyces caatingae</i>	Yes	NR 120240
	<i>Sulzbacheromyces miomboensis</i>	Yes	NR159036
	<i>Tremellodendropsis tuberosa</i>		GQ981528
	<i>Tricholoma highlandense</i>	Yes	NR153299
	<i>Typhula maritima</i>	Yes	NR132792
	<i>Veluticeps fasciculata</i>	Yes	NR159011
	<i>Vuilleminia comedens</i>		FN539056
Microbotryomycetes	<i>Bauerago abstrusa</i>		DQ238719
	<i>Colacogloea peniophorae</i>		AF444591
	<i>Curvibasidium cygneicollum</i>	Yes	NR111077
	<i>Glaciozyma antarctica</i>	Yes	NR132797
	<i>Heterogastridium pycnidioideum</i>		GU291276
	<i>Kriegeria eriophori</i>	Yes	NR119455
	<i>Kriegeria eriophori</i>	Yes	NR119455
	<i>Leucosporidium intermedium</i>	Yes	NR73309
	<i>Leucosporidium muscorum</i>	Yes	NR73286
	<i>Leucosporidium scottii</i>	Yes	NR73267
	<i>Liroa emodensis</i>		DQ238743
	<i>Meredithblackwellia eburnea</i>	Yes	NR120214
	<i>Microbotryum violaceum</i>	Yes	NR119596
	<i>Rhodotorula glutinis</i>	Yes	NR73294
	<i>Rhodotorula toruloides</i>	Yes	NR153295
	<i>Sphacelotheca hydropiperis</i>		AF038836

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
	<i>Sporidiobolus salmonicolor</i>	Yes	NR149325
	<i>Sporobolomyces johnsonii</i>	Yes	NR77090
	<i>Ustilentyloma graminis</i>	Yes	NR73285
Tremellomycetes	<i>Apiotrichum dulcitum</i>	Yes	NR73248
	<i>Apiotrichum lignicola</i>	Yes	NR154666
	<i>Apiotrichum veenhuisii</i>	Yes	NR73208
	<i>Apiotrichum xylopinii</i>	Yes	NR111547
	<i>Bullera alba</i>	Yes	NR111083
	<i>Bullera formosensis</i>	Yes	NR111182
	<i>Bullera unica</i>	Yes	NR73256
	<i>Bulleribasidium begoniae</i>	Yes	NR154878
	<i>Bulleribasidium pseudovariabile</i>	Yes	NR111085
	<i>Carcinomyces polyporina</i>		JN053501
	<i>Cryptococcus albidus</i>	Yes	NR149343
	<i>Cryptococcus amylolentus</i>	Yes	NR111372
	<i>Cryptococcus antarcticus</i>	Yes	NR152963
	<i>Cryptococcus neoformans</i>	Yes	NR130682
	<i>Cryptococcus saitoi</i>		EU149783
	<i>Cutaneotrichosporon dermatis</i>	Yes	NR130667
	<i>Cutaneotrichosporon oleaginosum</i>	Yes	NR154774
	<i>Cystofilobasidium bisporidii</i>	Yes	NR154785
	<i>Cystofilobasidium capitatum</i>	Yes	NR111042
	<i>Cystofilobasidium macerans</i>	Yes	NR154835
	<i>Derxomyces cylindricus</i>	Yes	NR121300
	<i>Derxomyces hubeiensis</i>	Yes	NR111159
	<i>Derxomyces schimicola</i>		KY103334
	<i>Derxomyces waltii</i>	Yes	NR111014
	<i>Dioszegia crocea</i>	Yes	NR155062
	<i>Dioszegia rishiriensis</i>	Yes	NR157461
	<i>Fellomyces mexicanus</i>		AJ608668
	<i>Fellomyces penicillatus</i>	Yes	NR73217
	<i>Fellomyces polyborus</i>	Yes	NR73238
	<i>Fellomyces thailandicus</i>		AJ608649
	<i>Fibulobasidium murrhardtense</i>	Yes	NR121466
	<i>Filobasidium elegans</i>		MF062225
	<i>Filobasidium floriforme</i>	Yes	NR119429
	<i>Filobasidium globisporum</i>	Yes	NR119453
	<i>Goffeauzyma aciditolerans</i>	Yes	NR137808
	<i>Goffeauzyma iberica</i>	Yes	NR137812
	<i>Guehomyces pullulans</i>		HQ615695
	<i>Haglerozyma chiarellii</i>	Yes	NR137042
	<i>Hannaella coprosmae</i>	Yes	NR111062
	<i>Hannaella luteola</i>	Yes	NR73215
	<i>Hannaella sinensis</i>	Yes	NR155150
	<i>Heterocephalacria bachmannii</i>		JN053506

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	<i>Holtermannia corniformis</i>		GU937756
	<i>Holtermanniella nyarrowii</i>	Yes	NR155182
	<i>Itersonilia pannonica</i>	Yes	NR77110
	<i>Itersonilia perplexans</i>	Yes	NR77117
	<i>Kockovaella calophylli</i>	Yes	NR155238
	<i>Krasilnikovozyma huempii</i>	Yes	NR73214
	<i>Kwoniella dejecticola</i>	Yes	NR111374
	<i>Kwoniella dendrophila</i>	Yes	NR73257
	<i>Kwoniella heveanensis</i>	Yes	NR73210
	<i>Mrakia blollopis</i>	Yes	NR155360
	<i>Mrakia frigida</i>	Yes	NR111044
	<i>Mrakia niccombsii</i>	Yes	NR156192
	<i>Naganishia diffluens</i>	Yes	NR111051
	<i>Papiliotrema laurentii</i>	Yes	NR130670
	<i>Papiliotrema nemorosus</i>	Yes	NR137534
	<i>Papiliotrema perniciosus</i>	Yes	NR137653
	<i>Papiliotrema pseudoalba</i>	Yes	NR73231
	<i>Phaeotremella fagi</i>	Yes	NR119558
	<i>Piskurozyma capsuligena</i>	Yes	NR73229
	<i>Piskurozyma cylindrica</i>		FJ873596
	<i>Saitozyma podzolica</i>	Yes	NR73213
	<i>Sirobasidium magnum</i>	Yes	NR154446
	<i>Solicoccozyma aeria</i>	Yes	NR155841
	<i>Solicoccozyma phenolicus</i>	Yes	NR73222
	<i>Solicoccozyma terricola</i>	Yes	NR73221
	<i>Syzygospora pallida</i>		JN053508
	<i>Takashimella koratensis</i>	Yes	NR154531
	<i>Tetragoniomyces uliginosus</i>		JN053514
	<i>Tremella aurantia</i>	Yes	NR155873
	<i>Tremella aurantialba</i>		DQ404321
	<i>Tremella candelariellae</i>		JN053470.1
	<i>Tremella cetrariicola</i>		JN053490
	<i>Tremella cladoniae</i>		JN053478
	<i>Tremella dendrographae</i>		JN053471
	<i>Tremella everniae</i>		JN053493
	<i>Tremella fuciformis</i>	Yes	NR155936
	<i>Tremella lichenicola</i>		JN053504
	<i>Tremella mesenterica</i>	Yes	NR155937
	<i>Tremella neofoliacea</i>		AF042418
	<i>Tremella nephromatis</i>		JN053475
	<i>Tremella resupinata</i>		AF042421
	<i>Tremella simplex</i>		AF042428
	<i>Tremella tropica</i>	Yes	NR155938
	<i>Tremella tuckerae</i>		JN053482
	<i>Tremella wirthii</i>		JN053492

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	<i>Trichosporon aquatile</i>	Yes	NR155872
	<i>Trichosporon asahii</i>	Yes	NR73341
	<i>Trichosporon otae</i>	Yes	NR155943
	<i>Trichosporon shinodae</i>		KC009048
	<i>Trimorphomyces sakaeraticus</i>	Yes	NR77088
	<i>Udeniomyces puniceus</i>	Yes	NR73250
	<i>Udeniomyces pyricola</i>	Yes	NR73233
	<i>Vanrija fragicola</i>	Yes	NR136945
	<i>Vanrija humicola</i>		AF444384
	<i>Vanrija pseudolonga</i>	Yes	NR137523
	<i>Vishniacozyma carnescens</i>	Yes	NR130695
	<i>Vishniacozyma dimennae</i>	Yes	NR144808
	<i>Vishniacozyma globospora</i>		KY105823
	<i>Xanthophyllomyces dendrorhous</i>	Yes	NR77107
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Ascomycota			
Dothideomycetes	<i>Abrothallus acetabuli</i>		TBAS database
	<i>Abrothallus buellianus</i>		
	<i>Abrothallus cladoniae</i>		
	<i>Abrothallus hypotrachynae</i>		
	<i>Abrothallus parmeliarum</i>		
	<i>Abrothallus parmotrematis</i>		
	<i>Abrothallus secedens</i>		
	<i>Abrothallus sp1</i>		
	<i>Abrothallus sp2</i>		
	<i>Abrothallus suecicus</i>		
	<i>Abrothallus usneae</i>		
	<i>Aliquandostipite khaoyaiensis</i>		
	<i>Alternaria alternata</i>		
	<i>Alternaria eureka</i>		
	<i>Alternaria sp</i>		
	<i>Alternaria tenuissima</i>		
	<i>Arthopyrenia salicis</i>		
	<i>Arthrocatena tenebrio</i>		
	<i>Ascochyta pisi</i>		
	<i>Ascochyta rabiei</i>		
	<i>Astrothelium cinnamomeum</i>		
	<i>Aureobasidium pullulans</i>		
	<i>Bipolaris maydis</i>		
	<i>Bipolaris sorokiniana</i>		
	<i>Botryosphaeria dothidea</i>		
	<i>Capnodium coffeae</i>		
	<i>Caproventuria hanliniana</i>		
	<i>Cercospora beticola</i>		
	<i>Cladosporium allicinum</i>		
	<i>Cladosporium cladosporioides</i>		

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	<i>Coniothyrium cereale</i>		
	<i>Coniothyrium palmarum</i>		
	<i>Cryomyces antarcticus</i>		
	<i>Cryomyces sp montanus</i>		
	<i>Curvularia brachyspora</i>		
	<i>Curvularia geniculata</i>		
	<i>Devriesia thermodurans</i>		
	<i>Didymosphaeria enalia</i>		
	<i>Diplodia mutila</i>		
	<i>Diplodia tsugae</i>		
	<i>Dothidea hippophaeos</i>		
	<i>Dothidea insculpta</i>		
	<i>Dothidea sambuci</i>		
	<i>Dothiora cannabinae</i>		
	<i>Dothiorella sarmentorum</i>		
	<i>Drechslera erythrospila</i>		
	<i>Elasticomyces elasticus</i>		
	<i>Extremus antarcticus</i>		
	<i>Farlowiella carmichaeliana</i>		
	<i>Friedmanniomyces endolithicus</i>		
	<i>Gloniopsis praelonga</i>		
	<i>Guignardia gaultheriae</i>		
	<i>Helicomyces roseus</i>		
	<i>Herpotrichia juniperi</i>		
	<i>Hysterium pulicare</i>		
	<i>Jahnula appendiculata</i>		
	<i>Jahnula aquatica</i>		
	<i>Jahnula bipileata</i>		
	<i>Jahnula bipolaris</i>		
	<i>Jahnula granulosa</i>		
	<i>Jahnula sangamonensis</i>		
	<i>Kirschsteiniothelia aethiops</i>		
	<i>Lasiodiplodia theobromae</i>		
	<i>Lepidosphaeria nicotiae</i>		
	<i>Leptosphaeria maculans</i>		
	<i>Lophium mytilinum</i>		
	<i>Macrophomina phaseolina</i>		
	<i>Manglicola guatemalensis</i>		
	<i>Massariosphaeria typhicola</i>		
	<i>Meristemomyces frigidus</i>		
	<i>Montagnula opulenta</i>		
	<i>Monticola elongata</i>		
	<i>Mytilinidion mytilinellum</i>		
	<i>Neocatenulostroma abietis</i>		
	<i>Neodevriesia strelitziae</i>		

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	<i>Neofusicoccum kwambonambiense</i>		
	<i>Neofusicoccum ribis</i>		
	<i>Ophiosphaerella herpotricha</i>		
	<i>Otthia spiraeae</i>		
	<i>Paradendryphiella arenariae</i>		
	<i>Parastagonospora avenae</i>		
	<i>Parastagonospora nodorum</i>		
	<i>Phaeosphaeria eustoma</i>		
	<i>Phoma herbarum</i>		
	<i>Phyllosticta ampellicida</i>		
	<i>Phyllosticta capitalensis</i>		
	<i>Phyllosticta elongata</i>		
	<i>Phyllosticta philoprina</i>		
	<i>Piedraia hortae</i>		
	<i>Pleospora halimiones</i>		
	<i>Pleospora herbarum</i>		
	<i>Preussia minima</i>		
	<i>Preussia terricola</i>		
	<i>Pseudocercospora fijiensis</i>		
	<i>Pyrenochaeta cava</i>		
	<i>Pyrenochaeta nobilis</i>		
	<i>Pyrenophora phaeocomes</i>		
	<i>Pyrenophora triticirepentis</i>		
	<i>Rachicladosporium inconspicuum</i>		
	<i>Rachicladosporium mcmurdoi</i>		
	<i>Ramularia endophylla</i>		
	<i>Rhytidhysterium rufulum</i>		
	<i>Sclerostagonospora opuntiae</i>		
	<i>Scorias spongiosa</i>		
	<i>Sigarispora arundinis</i>		
	<i>Spencermartinsia viticola</i>		
	<i>Sydowia polyspora</i>		
	<i>Teratosphaeria readeriellophora</i>		
	<i>Trematosphaeria heterospora</i>		
	<i>Trematosphaeria pertusa</i>		
	<i>Tubeufia cerea</i>		
	<i>Tubeufia helicomyces</i>		
	<i>Westerdykella cylindrica</i>		
	<i>Wettsteinina lacustris</i>		
	<i>Zymoseptoria tritici</i>		
Leotiomycetes	<i>Acephala applanata</i>		TBAS database
	<i>Ascocoryne sarcoides</i>		
	<i>Bisporella citrina</i>		
	<i>Botrytis cinerea</i>		
	<i>Bulgaria inquinans</i>		

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
	<i>Chlorociboria aeruginosa</i>		
	<i>Chloroscypha enterochroma</i>		
	<i>Coccomyces dentatus</i>		
	<i>Crinula caliciiiformis</i>		
	<i>Cudonia circinans</i>		
	<i>Cudoniella clavus</i>		
	<i>Cyclaneusma minus</i>		
	<i>Dermea acerina</i>		
	<i>Fabrella tsugae</i>		
	<i>Hyaloscypha aureliella</i>		
	<i>Hymenoscyphus fructigenus</i>		
	<i>Lachnum bicolor</i>		
	<i>Lachnum virgineum</i>		
	<i>Lambertella subrenispora</i>		
	<i>Leotia lubrica</i>		
	<i>Leotia viscosa</i>		
	<i>Leuconeurospora pulcherrima</i>		
	<i>Lophodermium pinastri</i>		
	<i>Loramyces macrosporus</i>		
	<i>Meloderma desmazieresii</i>		
	<i>Meria laricis</i>		
	<i>Microglossum rufum</i>		
	<i>Mitrula elegans</i>		
	<i>Mollisia cinerea</i>		
	<i>Monilinia fructicola</i>		
	<i>Monilinia fructigena</i>		
	<i>Monilinia laxa</i>		
	<i>Neobulgaria pura</i>		
	<i>Neofabraea malicorticis</i>		
	<i>Pezicula carpinea</i>		
	<i>Phialocephala fortinii</i>		
	<i>Phialocephala scopiformis</i>		
	<i>Potebniamyces pyri</i>		
	<i>Pseudeurotium zonatum</i>		
	<i>Rhabdocline parkeri</i>		
	<i>Rhytisma acerinum</i>		
	<i>Rutstroemia firma</i>		
	<i>Sclerotinia sclerotiorum</i>		
	<i>Spathularia velutipes</i>		
	<i>Thelebolus globosus</i>		
	<i>Tryblidiopsis pinastri</i>		
	<i>Vibrissea flavovirens</i>		
	<i>Vibrissea truncorum</i>		
Saccharomycetes	<i>Candida albicans</i>		TBAS database
	<i>Candida glabrata</i>		

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
	<i>Candida tropicalis</i>		
	<i>Clavispora lusitaniae</i>		
	<i>Debaryomyces hansenii</i>		
	<i>Eremothecium gossypii</i>		
	<i>Kluyveromyces lactis</i>		
	<i>Lachancea waltii</i>		
	<i>Metschnikowia bicuspidata</i>		
	<i>Meyerozyma guilliermondii</i>		
	<i>Naumovozyma castellii</i>		
	<i>Saccharomyces cerevisiae</i>		
	<i>Yarrowia lipolytica</i>		
	<i>Zygoascus hellenicus</i>		
Sordariomycetes	<i>Acremonium alternatum</i>		TBAS database
	<i>Acremonium persicinum</i>		
	<i>Akanthomyces arachnophilus</i>		
	<i>Akanthomyces cinereus</i>		
	<i>Akanthomyces novoguineensis</i>		
	<i>Albifimbria verrucaria</i>		
	<i>Ambrosiella xylebori</i>		
	<i>Amphiportha castanea</i>		
	<i>Amphisphaeria umbrina</i>		
	<i>Annulohyphoxylon nitens</i>		
	<i>Anthostomella sepelebilis</i>		
	<i>Apiognomonium errabunda</i>		
	<i>Arthrimum arundinis</i>		
	<i>Arthrimum puccinioides</i>		
	<i>Arthrimum sacchari</i>		
	<i>Aurantioportha corni</i>		
	<i>Balansia epichloe</i>		
	<i>Balansia henningsiana</i>		
	<i>Balansia pilulaeformis</i>		
	<i>Beauveria caledonica</i>		
	<i>Biscogniauxia capnodes</i>		
	<i>Biscogniauxia mediterranea</i>		
	<i>Camarops ustulinoides</i>		
	<i>Cephalotheca sulfurea</i>		
	<i>Ceratocystis fimbriata</i>		
	<i>Cercophora caudata</i>		
	<i>Cercophora mirabilis</i>		
	<i>Chaetomium elatum</i>		
	<i>Chaetomium globosum</i>		
	<i>Chrysoportha cubensis</i>		
	<i>Claviceps fusiformis</i>		
	<i>Claviceps paspali</i>		
	<i>Claviceps purpurea</i>		

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
	<i>Clonostachys pityrodes</i>		
	<i>Clonostachys rosea</i>		
	<i>Colletotrichum gloeosporioides</i>		
	<i>Colletotrichum gloeosporioides 1</i>		
	<i>Coniochaeta decumbens</i>		
	<i>Coniochaeta hoffmannii</i>		
	<i>Coniochaeta ligniaria</i>		
	<i>Coniochaeta lignicola</i>		
	<i>Coniochaeta mutabilis</i>		
	<i>Coniochaeta velutina</i>		
	<i>Conoideocrella luteorostrata</i>		
	<i>Conoideocrella tenuis</i>		
	<i>Cordyceps bifusispora</i>		
	<i>Cordyceps cardinalis</i>		
	<i>Cordyceps confragosa</i>		
	<i>Cordyceps cylindrica</i>		
	<i>Cordyceps gunnii</i>		
	<i>Cordyceps militaris</i>		
	<i>Cordyceps ninchukispora</i>		
	<i>Cordyceps pruinosa</i>		
	<i>Cordyceps scarabaeicola</i>		
	<i>Cordyceps tuberculata</i>		
	<i>Corollospora angusta</i>		
	<i>Corollospora maritima</i>		
	<i>Cosmospora coccinea</i>		
	<i>Cryphonectria parasitica</i>		
	<i>Cryptosporella hypoderma</i>		
	<i>Cylindrocarpon cylindroides</i>		
	<i>Daldinia concentrica</i>		
	<i>Daldinia eschscholtzii</i>		
	<i>Diaporthe eres</i>		
	<i>Diaporthe longicolla</i>		
	<i>Diaporthe phaseolorum</i>		
	<i>Diatrype disciformis</i>		
	<i>Discula campestris</i>		
	<i>Discula destructiva</i>		
	<i>Emericellopsis maritima</i>		
	<i>Endothia gyrosa</i>		
	<i>Epichloe amarillans</i>		
	<i>Epichloe typhina</i>		
	<i>Eutypa lata</i>		
	<i>Fusarium ciliatum</i>		
	<i>Fusarium graminearum</i>		
	<i>Fusarium polyphialidicum</i>		
	<i>Gelasinospora tetrasperma</i>		

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
	<i>Geniculisynnema termiticola</i>		
	<i>Gibellulopsis nigrescens</i>		
	<i>Gliocephalotrichum bulbilium</i>		
	<i>Gliomastix murorum</i>		
	<i>Gnomonia gnomon</i>		
	<i>Gnomonia padicola</i>		
	<i>Gnomoniopsis comari</i>		
	<i>Graphium penicillioides</i>		
	<i>Graphostroma platystoma</i>		
	<i>Haptocillium balanoides</i>		
	<i>Haptocillium sinense</i>		
	<i>Hydropisphaera erubescens</i>		
	<i>Hypocrella raciborskii</i>		
	<i>Hypocrella siamensis</i>		
	<i>Hypomyces chrysospermus</i>		
	<i>Hypoxylon haematostroma</i>		
	<i>Hypoxylon monticulosum</i>		
	<i>Hypoxylon perforatum</i>		
	<i>Isaria farinosa</i>		
	<i>Isaria takamizusanensis</i>		
	<i>Isaria tenuipes</i>		
	<i>Knoxdaviesia capensis</i>		
	<i>Kretzschmaria deusta</i>		
	<i>Lasiosphaeria glabrata</i>		
	<i>Lasiosphaeria lanuginosa</i>		
	<i>Lasiosphaeria ovina</i>		
	<i>Lecanicillium antillanum</i>		
	<i>Lecanicillium attenuatum</i>		
	<i>Lecanicillium fusisporum</i>		
	<i>Lecanicillium psalliotae</i>		
	<i>Lecanicillium tenuipes</i>		
	<i>Lignicola laevis</i>		
	<i>Lindra thalassiae</i>		
	<i>Linospora capreae</i>		
	<i>Lulwoana uniseptata</i>		
	<i>Magnaporthe grisea</i>		
	<i>Melanconis alni</i>		
	<i>Melanconis marginalis</i>		
	<i>Melanconis stilbostoma</i>		
	<i>Melanopsamma pomiformis</i>		
	<i>Melanospora tiffanii</i>		
	<i>Menispora tortuosa</i>		
	<i>Metapochonia bulbilosa</i>		
	<i>Metapochonia goniodes</i>		
	<i>Metapochonia rubescens</i>		

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
	<i>Metarhizium album</i>		
	<i>Metarhizium anisopliae</i>		
	<i>Metarhizium carneum</i>		
	<i>Metarhizium frigidum</i>		
	<i>Metarhizium guizhouense</i>		
	<i>Metarhizium lepidiotae</i>		
	<i>Metarhizium marquandii</i>		
	<i>Metarhizium minus</i>		
	<i>Metarhizium rileyi</i>		
	<i>Microascus trigonosporus</i>		
	<i>Microdochium bolleyi</i>		
	<i>Microdochium nivale</i>		
	<i>Moelleriella libera</i>		
	<i>Moelleriella turbinata</i>		
	<i>Myriogenospora atramentosa</i>		
	<i>Nectria cinnabarina</i>		
	<i>Nectria haematococca</i>		
	<i>Nemania aenea</i>		
	<i>Nemania diffusa</i>		
	<i>Nemania serpens</i>		
	<i>Neurospora crassa</i>		
	<i>Neurospora pannonica</i>		
	<i>Ophiocordyceps acicularis</i>		
	<i>Ophiocordyceps agriotidis</i>		
	<i>Ophiocordyceps brunneipunctata</i>		
	<i>Ophiocordyceps entomorrhiza</i>		
	<i>Ophiocordyceps gracilis</i>		
	<i>Ophiocordyceps heteropoda</i>		
	<i>Ophiocordyceps irangiensis</i>		
	<i>Ophiocordyceps konnoana</i>		
	<i>Ophiocordyceps nigrella</i>		
	<i>Ophiocordyceps nutans</i>		
	<i>Ophiocordyceps pruinosa</i>		
	<i>Ophiocordyceps rhizoidea</i>		
	<i>Ophiocordyceps sinensis</i>		
	<i>Ophiocordyceps sobolifera</i>		
	<i>Ophiocordyceps sphecocephala</i>		
	<i>Ophiocordyceps unilateralis</i>		
	<i>Ophionectria trichospora</i>		
	<i>Ophiostoma piliferum</i>		
	<i>Ophiostoma ulmi</i>		
	<i>Orbiocrella petchii</i>		
	<i>Paecilomyces penicillatus</i>		
	<i>Paramyrothecium roridum</i>		
	<i>Penicillifer diparietisporus</i>		

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
	<i>Petriella setifera</i>		
	<i>Phaeoacremonium minimum</i>		
	<i>Phialemonium atrogriseum</i>		
	<i>Plagiostoma aesculi</i>		
	<i>Plagiostoma euphorbiae</i>		
	<i>Pleurothecium recurvatum</i>		
	<i>Pochonia chlamydosporia</i>		
	<i>Podospora anserina</i>		
	<i>Polycephalomyces ramosopulvinatus</i>		
	<i>Protocrea pallida</i>		
	<i>Pseudonectria rousseliana</i>		
	<i>Pseudopestalotiopsis theae</i>		
	<i>Purpureocillium lilacinum</i>		
	<i>Rosellinia subiculata</i>		
	<i>Rotiferophthora angustispora</i>		
	<i>Sarocladium strictum</i>		
	<i>Seiridium cardinale</i>		
	<i>Shimizuomyces paradoxus</i>		
	<i>Sigmoidea marina</i>		
	<i>Simplicillium lamellicola</i>		
	<i>Simplicillium lanosoniveum</i>		
	<i>Sordaria fimicola</i>		
	<i>Sordaria lappae</i>		
	<i>Sordaria macrospora</i>		
	<i>Sphaerostilbella aureonitens</i>		
	<i>Sphaerostilbella berkeleyana</i>		
	<i>Sporothrix stenoceras</i>		
	<i>Stephanonectria keithii</i>		
	<i>Striaticonidium cinctum</i>		
	<i>Tolypocladium capitatum</i>		
	<i>Tolypocladium inegoense</i>		
	<i>Tolypocladium inflatum</i>		
	<i>Tolypocladium japonicum</i>		
	<i>Tolypocladium longisegmentum</i>		
	<i>Tolypocladium ophioglossoides</i>		
	<i>Tolypocladium parasiticum</i>		
	<i>Torrubiella alba</i>		
	<i>Torrubiella arachnophilus</i>		
	<i>Torrubiella ratticaudata</i>		
	<i>Torrubiella wallacei</i>		
	<i>Trichoderma americanum</i>		
	<i>Trichoderma citrinoviride</i>		
	<i>Trichoderma deliquescens</i>		
	<i>Trichoderma spirale</i>		

Kingdom / Class	Latin binomial	Type	TBAS or GenBank acc.#
	<i>Trichoderma stercorarium</i>		
	<i>Trichoderma viride</i>		
	<i>Valsa ambiens</i>		
	<i>Valsa nivea</i>		
	<i>Verticillium dahliae</i>		
	<i>Virgatospora echinofibrosa</i>		
	<i>Xepicula leucotricha</i>		
	<i>Xylaria acuta</i>		
	<i>Xylaria hypoxylon</i>		
Out groups - Ascomycota and Basidiomycota	<i>Dacrymyces subantarcticensis</i>		LC131436
	<i>Dacrymyces pezizoides</i>		LC386888

Type mean that the sequence comes from a Type specimen.

Table S4. List of species used as a scaffolding for review of initial *Aspergillus* and *Fusarium* taxonomic determination.

Genus	Latin binomial	Type	GenBank acc.#
<i>Aspergillus</i>	<i>Aspergillus</i> sp.		FJ491682
	<i>Aspergillus</i> sp.		JF412767
	<i>Aspergillus</i> sp.		JF412769
	<i>Aspergillus</i> sp.		JF412774
	<i>Aspergillus</i> sp.		KF928303
	<i>Aspergillus</i> sp.		KT698840
	<i>Aspergillus</i> sp.		KT698845
	<i>Aspergillus aculeatinus</i>		EU15921
	<i>Aspergillus aculeatinus</i>	Yes	NR135417
	<i>Aspergillus aculeatus</i>		U65309
	<i>Aspergillus aculeatus</i>	Yes	NR111412
	<i>Aspergillus aeneus</i>	Yes	NR135357
	<i>Aspergillus affinis</i>		GU721090
	<i>Aspergillus affinis</i>	Yes	NR111684
	<i>Aspergillus alabamensis</i>		FJ531193
<i>Aspergillus alabamensis</i>		KP987071	

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus alabamensis</i>	Yes	NR135428
	<i>Aspergillus albertensis</i>	Yes	NR137470
	<i>Aspergillus allahabadii</i>	Yes	NR135399
	<i>Aspergillus alliaceus</i>	Yes	NR121331
	<i>Aspergillus ambiguus</i>	Yes	NR135400
	<i>Aspergillus amoenus</i>	Yes	NR137462
	<i>Aspergillus amylovorus</i>		FJ531161
	<i>Aspergillus anthodesmis</i>		FJ491662
	<i>Aspergillus anthodesmis</i>	Yes	NR135424
	<i>Aspergillus apicalis</i>		EU078634
	<i>Aspergillus appendiculatus</i>	Yes	NR135433
	<i>Aspergillus arachidicola</i>		HM560045
	<i>Aspergillus arcoverdensis</i>	Yes	NR151816
	<i>Aspergillus ardalensis</i>		FR733808
	<i>Aspergillus ardalensis</i>	Yes	NR135430
	<i>Aspergillus arenarioides</i>		KJ775562
	<i>Aspergillus arenarioides</i>	Yes	NR135460
	<i>Aspergillus arxii</i>	Yes	NR159627
	<i>Aspergillus asclerogenus</i>	Yes	NR151817
	<i>Aspergillus askiburgiensis</i>	Yes	NR151821
	<i>Aspergillus asper</i>	Yes	NR151788
	<i>Aspergillus asperescens</i>	Yes	NR135358
	<i>Aspergillus assiutensis</i>	Yes	NR151787
	<i>Aspergillus assulatus</i>	Yes	NR137516
	<i>Aspergillus astellatus</i>	Yes	NR137460
	<i>Aspergillus aurantiobrunneus</i>	Yes	NR135355
	<i>Aspergillus auratus</i>	Yes	NR137487
	<i>Aspergillus aureolatus</i>	Yes	NR135369
	<i>Aspergillus aureolus</i>	Yes	NR135405

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus auricomus</i>		AF203792
	<i>Aspergillus auricomus</i>		AY373839
	<i>Aspergillus auricomus</i>	Yes	NR135388
	<i>Aspergillus australensis</i>	Yes	NR137484
	<i>Aspergillus austroafricanus</i>	Yes	NR135443
	<i>Aspergillus avenaceus</i>	Yes	NR131262
	<i>Aspergillus awamori</i>		AM087614
	<i>Aspergillus awamori</i>	Yes	NR077143
	<i>Aspergillus baeticus</i>	Yes	NR135431
	<i>Aspergillus bicolor</i>	Yes	NR137466
	<i>Aspergillus biplanus</i>		FJ491661
	<i>Aspergillus biplanus</i>	Yes	NR135378
	<i>Aspergillus bisporus</i>	Yes	NR135377
	<i>Aspergillus bombycis</i>		AJ874120
	<i>Aspergillus bombycis</i>	Yes	NR131261
	<i>Aspergillus brasiliensis</i>		FJ810517
	<i>Aspergillus brasiliensis</i>	Yes	NR111414
	<i>Aspergillus brevipes</i>	Yes	NR135406
	<i>Aspergillus brevistipitatus</i>	Yes	NR135438
	<i>Aspergillus bridgeri</i>		AY338964
	<i>Aspergillus bridgeri</i>	Yes	NR135386
	<i>Aspergillus brunneouniseriatus</i>		FJ531055
	<i>Aspergillus brunneouniseriatus</i>	Yes	NR137453
	<i>Aspergillus brunneoviolaceus</i>		AJ280003
	<i>Aspergillus brunneoviolaceus</i>	Yes	NR138279
	<i>Aspergillus brunneus</i>	Yes	NR163667
	<i>Aspergillus caelatus</i>	Yes	NR135326
	<i>Aspergillus caesiellus</i>	Yes	NR077146
	<i>Aspergillus caespitosus</i>	Yes	NR131288

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus calidoustus</i>		HE616558
	<i>Aspergillus californicus</i>		FJ531153
	<i>Aspergillus campestris</i>		EU076300
	<i>Aspergillus campestris</i>	Yes	NR135396
	<i>Aspergillus canadensis</i>	Yes	NR154727
	<i>Aspergillus candidus</i>		AY373842
	<i>Aspergillus candidus</i>		EU076304
	<i>Aspergillus candidus</i>	Yes	NR077149
	<i>Aspergillus caninus</i>		KY980618
	<i>Aspergillus caninus</i>	Yes	NR131300
	<i>Aspergillus capensis</i>		KJ775550
	<i>Aspergillus capensis</i>	Yes	NR135458
	<i>Aspergillus carbonarius</i>		AJ280011
	<i>Aspergillus carbonarius</i>	Yes	NR111094
	<i>Aspergillus carlsbadensis</i>		FJ531151
	<i>Aspergillus carneus</i>		FJ531202
	<i>Aspergillus carneus</i>	Yes	NR135402
	<i>Aspergillus cavernicola</i>		FJ531155
	<i>Aspergillus cejpui</i>	Yes	NR159605
	<i>Aspergillus cervinus</i>		FJ491621
	<i>Aspergillus cervinus</i>	Yes	NR135382
	<i>Aspergillus chevalieri</i>		AF453883
	<i>Aspergillus chevalieri</i>		AY373886
	<i>Aspergillus chevalieri</i>	Yes	NR135340
	<i>Aspergillus chinensis</i>	Yes	NR137441
	<i>Aspergillus chlamydosporus</i>		KY980617
	<i>Aspergillus chrysellus</i>	Yes	NR137456
	<i>Aspergillus cibarius</i>		JQ918177
	<i>Aspergillus cibariusk</i>	Yes	NR111728

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus citocrescens</i>		FR727121
	<i>Aspergillus citocrescens</i>	Yes	NR151781
	<i>Aspergillus citrisporus</i>	Yes	NR137478
	<i>Aspergillus clavatonanicus</i>		AF400604
	<i>Aspergillus clavatonanicus</i>		EU07865
	<i>Aspergillus clavatonanicus</i>	Yes	NR135410
	<i>Aspergillus clavatophorus</i>	Yes	NR154735
	<i>Aspergillus clavatus</i>		EU078635
	<i>Aspergillus clavatus</i>		HQ026749
	<i>Aspergillus clavatus</i>	Yes	NR121482
	<i>Aspergillus collinsii</i>	Yes	NR145194
	<i>Aspergillus conicus</i>	Yes	NR135332
	<i>Aspergillus conjunctus</i>		FJ491663
	<i>Aspergillus conjunctus</i>	Yes	NR135375
	<i>Aspergillus contaminans</i>		IT594451
	<i>Aspergillus contaminans</i>	Yes	NR156339
	<i>Aspergillus conversis</i>	Yes	NR135437
	<i>Aspergillus coremiiformis</i>		AJ874114
	<i>Aspergillus coremiiformis</i>		FJ491474
	<i>Aspergillus coremiiformis</i>	Yes	NR135393
	<i>Aspergillus coremiiformis</i>		AF257793
	<i>Aspergillus corrugatus</i>		KU866574
	<i>Aspergillus corrugatus</i>	Yes	NR151789
	<i>Aspergillus costaricaensis</i>	Yes	NR103604
	<i>Aspergillus costiformis</i>	Yes	NR135434
	<i>Aspergillus creber</i>	Yes	NR135442
	<i>Aspergillus cremeus</i>	Yes	NR137455
	<i>Aspergillus cretensis</i>		FJ491572
	<i>Aspergillus cretensis</i>	Yes	NR135420

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus cristatus</i>	Yes	NR135341
	<i>Aspergillus croceus</i>	Yes	NR151820
	<i>Aspergillus crustosus</i>	Yes	NR135366
	<i>Aspergillus deflectus</i>		FJ531159
	<i>Aspergillus deflectus</i>	Yes	NR135349
	<i>Aspergillus delicatus</i>	Yes	NR160206
	<i>Aspergillus desertorum</i>	Yes	NR137463
	<i>Aspergillus destruens</i>	Yes	NR154731
	<i>Aspergillus dimorphicus</i>		AF203807
	<i>Aspergillus dimorphicus</i>		FJ531068
	<i>Aspergillus dimorphicus</i>	Yes	NR135346
	<i>Aspergillus discophorus</i>	Yes	NR137496
	<i>Aspergillus diversus</i>		FJ491664
	<i>Aspergillus diversus</i>	Yes	NR135379
	<i>Aspergillus domesticus</i>	Yes	NR154728
	<i>Aspergillus duricaulis</i>	Yes	NR135408
	<i>Aspergillus eburneocremeus</i>	Yes	NR135359
	<i>Aspergillus ecuadorensis</i>	Yes	NR159634
	<i>Aspergillus egyptiacus</i>		FJ531164
	<i>Aspergillus egyptiacus</i>	Yes	NR135371
	<i>Aspergillus elegans</i>		FM201284
	<i>Aspergillus elegans</i>	Yes	NR077196
	<i>Aspergillus ellipticus</i>		AJ280014
	<i>Aspergillus ellipticus</i>		AJ876881
	<i>Aspergillus ellipticus</i>		AY656631
	<i>Aspergillus ellipticus</i>	Yes	NR103605
	<i>Aspergillus elongatus</i>		FJ531156
	<i>Aspergillus elongatus</i>	Yes	NR135370
	<i>Aspergillus europaeus</i>	Yes	NR151822

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus falconensis</i>		KU866575
	<i>Aspergillus falconensis</i>	Yes	NR151790
	<i>Aspergillus fasciculatus</i>		FJ491463
	<i>Aspergillus fasciculatus</i>	Yes	NR138285
	<i>Aspergillus felis</i>	Yes	NR138341
	<i>Aspergillus fennelliae</i>	Yes	NR137490
	<i>Aspergillus ferenczii</i>	Yes	NR137486
	<i>Aspergillus filifer</i>	Yes	NR137499
	<i>Aspergillus fischeri</i>	Yes	NR137479
	<i>Aspergillus flaschentraegeri</i>		FJ531059
	<i>Aspergillus flaschentraegeri</i>	Yes	NR135345
	<i>Aspergillus flavipes</i>		AF453888
	<i>Aspergillus flavipes</i>	Yes	NR135397
	<i>Aspergillus flavus</i>		AF138287
	<i>Aspergillus flavus</i>	Yes	NR111041
	<i>Aspergillus floccosus</i>		FJ531205
	<i>Aspergillus floccosus</i>	Yes	NR137512
	<i>Aspergillus flocculosus</i>		FJ491577
	<i>Aspergillus flocculosus</i>	Yes	NR137564
	<i>Aspergillus foeniculicola</i>	Yes	NR137497
	<i>Aspergillus foetidus</i>		FJ491683
	<i>Aspergillus foetidus</i>	Yes	NR163668
	<i>Aspergillus foveolatus</i>		KX423658
	<i>Aspergillus foveolatus</i>	Yes	NR151791
	<i>Aspergillus frankstonensis</i>	Yes	NR154738
	<i>Aspergillus frequens</i>	Yes	NR137473
	<i>Aspergillus fructus</i>		AF453927
	<i>Aspergillus fruticosus</i>	Yes	NR135364
	<i>Aspergillus fumigatus</i>		AY660920

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus fumigatus</i>		HQ026746
	<i>Aspergillus fumigatus</i>		JN943565
	<i>Aspergillus fumigatus</i>	Yes	NR121481
	<i>Aspergillus fumisynnematus</i>	Yes	NR136948
	<i>Aspergillus funiculosus</i>	Yes	NR135380
	<i>Aspergillus germanicus</i>		FJ531146
	<i>Aspergillus giganteus</i>		EU078648
	<i>Aspergillus giganteus</i>	Yes	NR135403
	<i>Aspergillus glabripes</i>	Yes	NR154726
	<i>Aspergillus glaucus</i>		AY373887
	<i>Aspergillus glaucus</i>	Yes	NR135337
	<i>Aspergillus gorakhpurensis</i>		FJ531042
	<i>Aspergillus gorakhpurensis</i>	Yes	NR135343
	<i>Aspergillus gracilis</i>	Yes	NR135334
	<i>Aspergillus granulosis</i>		AF453898
	<i>Aspergillus granulosis</i>	Yes	NR135348
	<i>Aspergillus griseoaurantiacus</i>		KJ775553
	<i>Aspergillus griseoaurantiacus</i>	Yes	NR135459
	<i>Aspergillus haitiensis</i>	Yes	NR137504
	<i>Aspergillus hancockii</i>		KX858342
	<i>Aspergillus hancockii</i>	Yes	NR154725
	<i>Aspergillus helicothrix</i>	Yes	NR138281
	<i>Aspergillus heterocaryoticus</i>	Yes	NR163674
	<i>Aspergillus heteromorphus</i>		AJ280013
	<i>Aspergillus heteromorphus</i>		AJ876879
	<i>Aspergillus heteromorphus</i>	Yes	NR103606
	<i>Aspergillus heterothallicus</i>	Yes	NR135368
	<i>Aspergillus hiratsukaek</i>	Yes	NR131310
	<i>Aspergillus homomorphus</i>	Yes	NR077189

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus hongkongensis</i>	Yes	NR138262
	<i>Aspergillus hortai</i>		FJ531192
	<i>Aspergillus hortai</i>		KP987087
	<i>Aspergillus huiyanaiae</i>	Yes	NR151815
	<i>Aspergillus ibericus</i>	Yes	NR119514
	<i>Aspergillus iizukae</i>	Yes	NR135398
	<i>Aspergillus implicatus</i>		FJ491656
	<i>Aspergillus implicatus</i>	Yes	NR135423
	<i>Aspergillus indologenus</i>		AJ280005
	<i>Aspergillus inflatus</i>	Yes	NR135425
	<i>Aspergillus infrequens</i>	Yes	NR154734
	<i>Aspergillus insolitus</i>		KY980622
	<i>Aspergillus insolitus</i>	Yes	NR154978
	<i>Aspergillus insuetus</i>	Yes	NR131292
	<i>Aspergillus insulicola</i>		AF203799
	<i>Aspergillus insulicola</i>	Yes	NR135391
	<i>Aspergillus intermedius</i>	Yes	NR137448
	<i>Aspergillus iranicus</i>	Yes	NR156297
	<i>Aspergillus itaconicus</i>		FJ531043
	<i>Aspergillus itaconicus</i>	Yes	NR135344
	<i>Aspergillus ivoriensis</i>	Yes	NR135350
	<i>Aspergillus janus</i>		KP131589
	<i>Aspergillus janus</i>	Yes	NR131295
	<i>Aspergillus japonicus</i>		AJ279985
	<i>Aspergillus japonicus</i>	Yes	NR131268
	<i>Aspergillus jensenii</i>	Yes	NR135444
	<i>Aspergillus kalimae</i>		KY980650
	<i>Aspergillus kalimae</i>	Yes	NR156332
	<i>Aspergillus kambarensis</i>		FJ491468

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus kambarensis</i>	Yes	NR138286
	<i>Aspergillus kanagawaensis</i>		FJ491617
	<i>Aspergillus kassunensis</i>	Yes	NR135354
	<i>Aspergillus keveii</i>	Yes	NR137492
	<i>Aspergillus labruscus</i>		KU708544
	<i>Aspergillus labruscus</i>	Yes	NR154709
	<i>Aspergillus lacinosusk</i>	Yes	NR137443
	<i>Aspergillus lanosus</i>		FJ491471
	<i>Aspergillus lanosus</i>	Yes	NR135394
	<i>Aspergillus latus</i>	Yes	NR154682
	<i>Aspergillus lentulus</i>		JN943568
	<i>Aspergillus lentulus</i>	Yes	NR135407
	<i>Aspergillus lentulusisolate</i>		KJ175466
	<i>Aspergillus leporis</i>	Yes	NR135327
	<i>Aspergillus leucocarpus</i>	Yes	NR137451
	<i>Aspergillus longivesica</i>		AF400603
	<i>Aspergillus longivesica</i>		EU078646
	<i>Aspergillus longivesica</i>	Yes	NR135411
	<i>Aspergillus luchuensis</i>		JX500081
	<i>Aspergillus luchuensisik</i>	Yes	NR135449
	<i>Aspergillus lucknowensis</i>		FJ531166
	<i>Aspergillus lucknowensis</i>	Yes	NR135352
	<i>Aspergillus luppii</i>	Yes	NR137477
	<i>Aspergillus mangaliensis</i>	Yes	NR135439
	<i>Aspergillus marvanovae</i>	Yes	NR135436
	<i>Aspergillus melleus</i>		FM986321
	<i>Aspergillus melleus</i>	Yes	NR103610
	<i>Aspergillus microcysticus</i>	Yes	NR135401
	<i>Aspergillus micronesiensis</i>		KJ775548

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus micronesiensis</i>	Yes	NR135457
	<i>Aspergillus monodii</i>		FJ531150
	<i>Aspergillus monodii</i>	Yes	NR135427
	<i>Aspergillus montevidensis</i>	Yes	NR137449
	<i>Aspergillus mottae</i>	Yes	NR137519
	<i>Aspergillus movilensis</i>		HG915904
	<i>Aspergillus movilensis</i>	Yes	NR138295
	<i>Aspergillus multicolor</i>	Yes	NR135360
	<i>Aspergillus mulundensis</i>		KU866604
	<i>Aspergillus mulundensis</i>	Yes	NR159553
	<i>Aspergillus muricatus</i>	Yes	NR135392
	<i>Aspergillus navahoensis</i>	Yes	NR137457
	<i>Aspergillus neobridgeri</i>	Yes	NR135387
	<i>Aspergillus neoellipticus</i>	Yes	NR138337
	<i>Aspergillus neoflavipes</i>	Yes	NR137475
	<i>Aspergillus neoglaber</i>	Yes	NR137483
	<i>Aspergillus neoindicus</i>		FJ531201
	<i>Aspergillus neoindicus</i>	Yes	NR131296
	<i>Aspergillus neoniger</i>	Yes	NR137505
	<i>Aspergillus neoniveus</i>		FJ531198
	<i>Aspergillus neoniveus</i>	Yes	NR137474
	<i>Aspergillus nidulans</i>	Yes	NR133684
	<i>Aspergillus niger</i>		AF138904
	<i>Aspergillus niger</i>		AY373852
	<i>Aspergillus niger</i>		FJ195350
	<i>Aspergillus niger</i>	Yes	NR111348
	<i>Aspergillus nishimurae</i>	Yes	NR137515
	<i>Aspergillus niveoglaucus</i>	Yes	NR135338
	<i>Aspergillus niveus</i>		FJ531204

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus niveus</i>	Yes	NR137476
	<i>Aspergillus nomius</i>	Yes	NR121218
	<i>Aspergillus noonimiae</i>		KY980641
	<i>Aspergillus noonimiae</i>	Yes	NR156329
	<i>Aspergillus novoparasiticus</i>		HM560038
	<i>Aspergillus novoparasiticus</i>	Yes	NR159637
	<i>Aspergillus nutans</i>	Yes	NR135384
	<i>Aspergillus occultus</i>	Yes	NR135454
	<i>Aspergillus occultusstrain</i>		KJ775443
	<i>Aspergillus ochraceopetaliformis</i>	Yes	NR135390
	<i>Aspergillus ochraceoroseus</i>		AJ874115
	<i>Aspergillus ochraceoroseus</i>		AF203809
	<i>Aspergillus ochraceoroseus</i>	Yes	NR135381
	<i>Aspergillus ochraceus</i>		AF453904
	<i>Aspergillus ochraceus</i>		AY373856
	<i>Aspergillus ochraceus</i>	Yes	NR077150
	<i>Aspergillus oerlinghausenensis</i>	Yes	NR138362
	<i>Aspergillus oerlinghausensis</i>		KT359601
	<i>Aspergillus olivicola</i>	Yes	NR135419
	<i>Aspergillus oryzae</i>	Yes	NR135395
	<i>Aspergillus oryzae isolate</i>		KJ175431
	<i>Aspergillus osmophilus</i>	Yes	NR135450
	<i>Aspergillus ostianus</i>		AY373858
	<i>Aspergillus ostianus</i>	Yes	NR077151
	<i>Aspergillus otanii</i>	Yes	NR137485
	<i>Aspergillus pachycaulis</i>	Yes	NR154733
	<i>Aspergillus pallidofulvus</i>	Yes	NR137468
	<i>Aspergillus panamensis</i>		FJ491665
	<i>Aspergillus panamensis</i>	Yes	NR135374

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus papuensis</i>	Yes	NR137494
	<i>Aspergillus parasiticus</i>		AY373859
	<i>Aspergillus parasiticus</i>		HM560044
	<i>Aspergillus parasiticus</i>	Yes	NR121219
	<i>Aspergillus parasiticus</i> isolate		KJ175437
	<i>Aspergillus parasiticus</i> var. <i>globosus</i>		HM560048
	<i>Aspergillus parasiticus</i> var. <i>globosus</i>	Yes	NR151784
	<i>Aspergillus parvulus</i>		FJ491619
	<i>Aspergillus parvulus</i>	Yes	NR135383
	<i>Aspergillus penicillioides</i>	Yes	NR131285
	<i>Aspergillus persii</i>	Yes	NR135421
	<i>Aspergillus persii</i> strain		FJ491580
	<i>Aspergillus petersonii</i>	Yes	NR151818
	<i>Aspergillus petrakii</i>		FJ491565
	<i>Aspergillus peyronelii</i>	Yes	NR151819
	<i>Aspergillus piperis</i>	Yes	NR077191
	<i>Aspergillus pluriseminatus</i>		KU866566
	<i>Aspergillus pluriseminatus</i>	Yes	NR145196
	<i>Aspergillus polyporicola</i>	Yes	NR137471
	<i>Aspergillus porphyreostipitatus</i>		KJ775564
	<i>Aspergillus porphyreostipitatus</i>	Yes	NR135461
	<i>Aspergillus posadasensis</i>	Yes	NR137518
	<i>Aspergillus pragensis</i>		FR727138
	<i>Aspergillus pragensis</i>	Yes	NR135429
	<i>Aspergillus proliferans</i>	Yes	NR135339
	<i>Aspergillus protuberus</i>	Yes	NR135353
	<i>Aspergillus pseudodeflectus</i>	Yes	NR135372
	<i>Aspergillus pseudoelegans</i>		FJ491590
	<i>Aspergillus pseudoelegans</i>	Yes	NR135422

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus pseudoglaucus</i>	Yes	NR135336
	<i>Aspergillus pseudonomius</i>	Yes	NR137444
	<i>Aspergillus pseudotamarii</i>	Yes	NR135329
	<i>Aspergillus pseudoterreus</i>	Yes	NR137472
	<i>Aspergillus pseudoustus</i>		FJ531147
	<i>Aspergillus pulvericola</i>		KJ775440
	<i>Aspergillus pulvericola</i>	Yes	NR135453
	<i>Aspergillus pulvinus</i>		FJ531048
	<i>Aspergillus pulvinus</i>	Yes	NR135347
	<i>Aspergillus puniceus</i>	Yes	NR103579
	<i>Aspergillus purpureus</i>	Yes	NR137464
	<i>Aspergillus quadricinctus</i>	Yes	NR137482
	<i>Aspergillus quadrilineatus</i>	Yes	NR131289
	<i>Aspergillus rambellii</i>		AJ874116
	<i>Aspergillus raperi</i>	Yes	NR135351
	<i>Aspergillus recurvatus</i>	Yes	NR135363
	<i>Aspergillus restrictus</i>		AY373864
	<i>Aspergillus restrictus</i>	Yes	NR135333
	<i>Aspergillus reticulatus</i>	Yes	NR164405
	<i>Aspergillus rhizopodus</i>		EU07865
	<i>Aspergillus robustus</i>		AF203808
	<i>Aspergillus robustus</i>	Yes	NR135373
	<i>Aspergillus roseoglobulosus</i>		FJ491583
	<i>Aspergillus roseoglobulosus</i>	Yes	NR137503
	<i>Aspergillus ruber</i>	Yes	NR131286
	<i>Aspergillus rugulosus</i>	Yes	NR131290
	<i>Aspergillus saccharolyticus</i>		HM853552
	<i>Aspergillus saccharolyticus</i>	Yes	NR135441
	<i>Aspergillus salwaensis</i>		KJ775447

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus salwaensis</i>	Yes	NR135455
	<i>Aspergillus sclerotialis</i>	Yes	NR154681
	<i>Aspergillus sclerotiicarbonarius</i>		EU15921
	<i>Aspergillus sclerotiicarbonarius</i>	Yes	NR135418
	<i>Aspergillus sclerotioniger</i>	Yes	NR077192
	<i>Aspergillus sclerotiorum</i>	Yes	NR131294
	<i>Aspergillus sepultus</i>		AF203806
	<i>Aspergillus sepultus</i>		FJ531074
	<i>Aspergillus sepultus</i>	Yes	NR135426
	<i>Aspergillus sesamicola</i>		KJ775437
	<i>Aspergillus sesamicola</i>	Yes	NR135452
	<i>Aspergillus silvaticus</i>	Yes	NR137461
	<i>Aspergillus similis</i>	Yes	NR137500
	<i>Aspergillus sloanii</i>		KJ775540
	<i>Aspergillus sloanii</i>	Yes	NR137876
	<i>Aspergillus sojae</i>		HM560047
	<i>Aspergillus sojae</i>	Yes	NR111545
	<i>Aspergillus sojae</i> isolate		KJ175434
	<i>Aspergillus solicola</i>	Yes	NR137493
	<i>Aspergillus sp</i>		FJ491657
	<i>Aspergillus sp</i>		FJ491680
	<i>Aspergillus sp14js2017</i>		IT903691
	<i>Aspergillus sp1sh2016</i>		KP987077
	<i>Aspergillus sp2sh2016</i>		KP987073
	<i>Aspergillus sparsus</i>		FJ491658
	<i>Aspergillus sparsus</i>	Yes	NR135376
	<i>Aspergillus spathulatus</i>	Yes	NR137480
	<i>Aspergillus spectabilis</i>	Yes	NR137465
	<i>Aspergillus spelaeus</i>		HG915905

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus spelaeus</i>	Yes	NR135440
	<i>Aspergillus spelunceus</i>	Yes	NR135367
	<i>Aspergillus spinosus</i>	Yes	NR137489
	<i>Aspergillus spinulosporus</i>	Yes	NR137459
	<i>Aspergillus stellamaris</i>	Yes	NR137495
	<i>Aspergillus stellatus</i>		KU866626
	<i>Aspergillus stellatus</i>	Yes	NR131287
	<i>Aspergillus steynii</i>		FM201289
	<i>Aspergillus steynii</i>	Yes	NR077197
	<i>Aspergillus stramenius</i>	Yes	NR137488
	<i>Aspergillus striatus</i>	Yes	NR135356
	<i>Aspergillus stromatoides</i>	Yes	NR137454
	<i>Aspergillus subalbidus</i>		KJ866983
	<i>Aspergillus subalbidus</i>	Yes	NR135462
	<i>Aspergillus subflavus</i>	Yes	NR160622
	<i>Aspergillus subnutans</i>		KX528456
	<i>Aspergillus subnutans</i>	Yes	NR151792
	<i>Aspergillus subramaniani</i>		AY338961
	<i>Aspergillus subramaniani</i>	Yes	NR135385
	<i>Aspergillus subsessilis</i>		FJ531158
	<i>Aspergillus subsessilis</i>	Yes	NR135365
	<i>Aspergillus subversicolor</i>	Yes	NR135446
	<i>Aspergillus sydowii</i>	Yes	NR131259
	<i>Aspergillus tabacinus</i>	Yes	NR135361
	<i>Aspergillus taichungensis</i>		EU076301
	<i>Aspergillus taichungensis</i>	Yes	NR137491
	<i>Aspergillus tamaris</i>	Yes	NR135325
	<i>Aspergillus tanneri</i>		JN853798
	<i>Aspergillus tanneri</i>	Yes	NR111840

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus tardicrescens</i>	Yes	NR154729
	<i>Aspergillus tardus</i>		FJ531045
	<i>Aspergillus tardus</i>	Yes	NR137506
	<i>Aspergillus tatenoi</i>	Yes	NR160194
	<i>Aspergillus templicola</i>		KJ775545
	<i>Aspergillus templicola</i>	Yes	NR135456
	<i>Aspergillus tennesseensis</i>	Yes	NR135447
	<i>Aspergillus terreus</i>		AF453915
	<i>Aspergillus terreus</i>		AY373871
	<i>Aspergillus terreus</i>	Yes	NR131276
	<i>Aspergillus terreus</i> var. <i>floccosus</i>		KP987086
	<i>Aspergillus terreus</i> var. <i>subfloccosus</i>		FJ531206
	<i>Aspergillus terreus</i> var. <i>subfloccosus</i>	Yes	NR149331
	<i>Aspergillus terricolavaramericanus</i>		AF257791
	<i>Aspergillus terricolavaramericanus</i>		HM560049
	<i>Aspergillus terricolavaramericanus</i>	Yes	NR151785
	<i>Aspergillus terricolavarindicus</i>		AF257801
	<i>Aspergillus thailandensis</i>		KY980642
	<i>Aspergillus thailandensis</i>	Yes	NR156330
	<i>Aspergillus thermomutatus</i>	Yes	NR137481
	<i>Aspergillus thesauricus</i>	Yes	NR135432
	<i>Aspergillus thomii</i>		FJ491466
	<i>Aspergillus tonophilus</i>	Yes	NR137450
	<i>Aspergillus toxicarius</i>		AJ874126
	<i>Aspergillus toxicarius</i>		FJ491470
	<i>Aspergillus toxicarius</i>		HM560046
	<i>Aspergillus toxicarius</i>	Yes	NR138297
	<i>Aspergillus transmontanensis</i>	Yes	NR137520
	<i>Aspergillus tritici</i>		EU076302

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus tritici</i>		KP987088
	<i>Aspergillus tritici</i>	Yes	NR135414
	<i>Aspergillus tsunodae</i>	Yes	NR137514
	<i>Aspergillus tubingensis</i>	Yes	NR131293
	<i>Aspergillus turcosus</i>	Yes	NR151782
	<i>Aspergillus turkensis</i>		FJ531160
	<i>Aspergillus turkensis</i>	Yes	NR137510
	<i>Aspergillus udagawae</i>	Yes	NR137442
	<i>Aspergillus undulatus</i>	Yes	NR137498
	<i>Aspergillus unguis</i>		KU866616
	<i>Aspergillus unguis</i>	Yes	NR131291
	<i>Aspergillus unilateralis</i>	Yes	NR135412
	<i>Aspergillus ustus</i>	Yes	NR131284
	<i>Aspergillus uvarum</i>		AM745757
	<i>Aspergillus uvarum</i>		KF476654
	<i>Aspergillus uvarum</i>	Yes	NR135330
	<i>Aspergillus varians</i>	Yes	NR135362
	<i>Aspergillus versicolor</i>		AF453926
	<i>Aspergillus versicolor</i>		AY373880
	<i>Aspergillus versicolor</i>	Yes	NR131277
	<i>Aspergillus villosus</i>	Yes	NR154732
	<i>Aspergillus violaceofuscus</i>		FJ491678
	<i>Aspergillus violaceus</i>	Yes	NR137458
	<i>Aspergillus viridinutans</i>	Yes	NR135409
	<i>Aspergillus vitricola</i>	Yes	NR135335
	<i>Aspergillus waksmanii</i>	Yes	NR135404
	<i>Aspergillus waynelawii</i>		KY980639
	<i>Aspergillus waynelawii</i>	Yes	NR156328
	<i>Aspergillus welwitschiae</i>	Yes	NR137513

Genus	Latin binomial	Type	GenBank acc.#
	<i>Aspergillus wentii</i>		AF149752
	<i>Aspergillus wentii</i>		AY373884
	<i>Aspergillus wentii</i>		FJ531076
	<i>Aspergillus wentii</i>	Yes	NR077152
	<i>Aspergillus westlandensis</i>		KJ775434
	<i>Aspergillus westlandensis</i>	Yes	NR135451
	<i>Aspergillus whitfieldii</i>		KY980645
	<i>Aspergillus whitfieldii</i>	Yes	NR156331
	<i>Aspergillus wyomingensis</i>		HG324081
	<i>Aspergillus wyomingensis</i>	Yes	NR137517
	<i>Aspergillus xerophilus</i>	Yes	NR135342
	<i>Aspergillus zhaoqingensis</i>		FJ491472
	<i>Aspergillus zhaoqingensis</i>	Yes	NR137150
	<i>Aspergillus zonatus</i>		AF257799
	<i>Aspergillus westerdijckiae</i>	Yes	NR135389
<i>Fusarium</i>	<i>Fusarium acaciae-mearnsii</i>		DQ459850
	<i>Fusarium acaciae-mearnsii</i>	Yes	NR_121204
	<i>Fusarium acutatum</i>		KR071682
	<i>Fusarium acutatum</i>		KR071686
	<i>Fusarium acutatum</i>	Yes	NR_111142
	<i>Fusarium aethiopicum</i>		FJ240310
	<i>Fusarium aethiopicum</i>	Yes	NR_138284
	<i>Fusarium algeriense</i>		MF120477
	<i>Fusarium algeriense</i>	Yes	NR_158423
	<i>Fusarium annulatum</i>	Yes	NR_138275
	<i>Fusarium arcuatisporum</i>	Yes	NR_164593
	<i>Fusarium asiaticum</i>		DQ459835
	<i>Fusarium asiaticum</i>	Yes	NR_121320
	<i>Fusarium avenaceum</i>		AB587015

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium avenaceum</i>		KX375416
	<i>Fusarium avenaceum</i>		KX424379
	<i>Fusarium babinda</i>	Yes	NR_159861
	<i>Fusarium bactridioides</i>		KC464615
	<i>Fusarium bactridioides</i>	Yes	NR_120262
	<i>Fusarium begoniae</i>		KC464616
	<i>Fusarium begoniae</i>	Yes	NR_111864
	<i>Fusarium beomiforme</i>		MF120474
	<i>Fusarium beomiforme</i>	Yes	NR_111885
	<i>Fusarium biseptatum</i>		EU926252
	<i>Fusarium biseptatum</i>	Yes	NR_137706
	<i>Fusarium boothii</i>		DQ459846
	<i>Fusarium boothii</i>	Yes	NR_121203
	<i>Fusarium brevicatenulatum</i>		KR909391
	<i>Fusarium bulbicola</i>	Yes	NR_152942
	<i>Fusarium</i> sp.		JN235498
	<i>Fusarium</i> sp.		JN235499
	<i>Fusarium</i> sp.		JN235525
	<i>Fusarium</i> sp.		JN235526
	<i>Fusarium</i> sp.		JN235527
	<i>Fusarium</i> sp.		JN235528
	<i>Fusarium</i> sp.		JN235529
	<i>Fusarium</i> sp.		JN235530
	<i>Fusarium</i> sp..		JN235531
	<i>Fusarium</i> sp.		JN235532
	<i>Fusarium</i> sp.		JN235533
	<i>Fusarium</i> sp.		JN235534
	<i>Fusarium</i> sp.		JN235535
	<i>Fusarium</i> sp.		JN235536

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium</i> sp.		JN235537
	<i>Fusarium</i> sp.		JN235538
	<i>Fusarium</i> sp.		JN235539
	<i>Fusarium</i> sp.		JN235540
	<i>Fusarium</i> sp.		JN235541
	<i>Fusarium</i> sp.		JN235542
	<i>Fusarium</i> sp.		JN235543
	<i>Fusarium</i> sp.		JN235544
	<i>Fusarium</i> sp.		JN235545
	<i>Fusarium</i> sp.		JN235546
	<i>Fusarium</i> sp.		JN235547
	<i>Fusarium</i> sp.		JN235548
	<i>Fusarium</i> sp.		JN235549
	<i>Fusarium</i> sp.		JN235945
	<i>Fusarium</i> sp.		JN235946
	<i>Fusarium circinatum</i>		KC464617
	<i>Fusarium circinatum</i>	Yes	NR_120263
	<i>Fusarium concentricum</i>	Yes	NR_111886
	<i>Fusarium continuum</i>	Yes	NR_159818
	<i>Fusarium delphinoides</i>		EU926229
	<i>Fusarium delphinoides</i>	Yes	NR_130680
	<i>Fusarium denticulatum</i>		KR909405
	<i>Fusarium denticulatum</i>	Yes	NR_138359
	<i>Fusarium domesticum</i>		JQ434585
	<i>Fusarium domesticum</i>	Yes	NR_145050
	<i>Fusarium equiseti</i>		GQ131881
	<i>Fusarium equiseti</i>		GQ505688
	<i>Fusarium equiseti</i>		KR071664
	<i>Fusarium equiseti</i>	Yes	NR_121457

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium euwallaceae</i>		JQ038014
	<i>Fusarium euwallaceae</i>		KY499281
	<i>Fusarium euwallaceae</i>		KY499282
	<i>Fusarium falciforme</i>		EU329690
	<i>Fusarium falciforme</i>		FJ545247
	<i>Fusarium falciforme</i>	Yes	NR_164424
	<i>Fusarium ficicrescens</i>		KU604031
	<i>Fusarium ficicrescens</i>	Yes	NR_152915
	<i>Fusarium foetens</i>	Yes	NR_159865
	<i>Fusarium fuckelii</i>		HM626651
	<i>Fusarium fujikuroi</i>		AB725607
	<i>Fusarium fujikuroi</i>		KR071666
	<i>Fusarium fujikuroi</i>	Yes	NR_111889
	<i>Fusarium fujikuroi</i>		X94176
	<i>Fusarium guttiforme</i>		KC464629
	<i>Fusarium guttiforme</i>	Yes	NR_120264
	<i>Fusarium hainanense</i>	Yes	NR_164597
	<i>Fusarium humuli</i>	Yes	NR_164598
	<i>Fusarium inflexum</i>	Yes	NR_152941
	<i>Fusarium ipomoeae</i>	Yes	NR_164596
	<i>Fusarium irregulare</i>	Yes	NR_164595
	<i>Fusarium keratoplasticum</i>		JN235143
	<i>Fusarium keratoplasticum</i>	Yes	NR_130690
	<i>Fusarium kuroshium</i>		LR583723
	<i>Fusarium kyushuense</i>		AB587020
	<i>Fusarium kyushuense</i>	Yes	NR_152943
	<i>Fusarium kyushuense</i>		U85544
	<i>Fusarium lactis</i>	Yes	NR_111887
	<i>Fusarium langsethiae</i>	Yes	NR_121214

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium larvarum</i>		EU860072
	<i>Fusarium larvarum</i>		EU860073
	<i>Fusarium larvarum</i>		EU860074
	<i>Fusarium lateritium</i>		AB587003
	<i>Fusarium lateritium</i>		AY904057
	<i>Fusarium luffae</i>	Yes	NR_164594
	<i>Fusarium merismoides</i>		AB586997
	<i>Fusarium merismoides</i>		EU860059
	<i>Fusarium metavorans</i>		LR583738
	<i>Fusarium mexicanum</i>		MG838062
	<i>Fusarium mexicanum</i>		MG838063
	<i>Fusarium mexicanum</i>		MG838064
	<i>Fusarium mexicanum</i>		MG838065
	<i>Fusarium mexicanum</i>		MG838066
	<i>Fusarium mexicanum</i>		MG838067
	<i>Fusarium mexicanum</i>		MG838068
	<i>Fusarium napiforme</i>		KR071645
	<i>Fusarium napiforme</i>	Yes	NR_149349
	<i>Fusarium nisikadoi</i>		KR909390
	<i>Fusarium nisikadoi</i>	Yes	NR_137623
	<i>Fusarium nurragi</i>	Yes	NR_159860
	<i>Fusarium nygamai</i>		KR071693
	<i>Fusarium nygamai</i>	Yes	NR_130698
	<i>Fusarium oxysporum</i>		AB693805
	<i>Fusarium oxysporum</i>		AF132799
	<i>Fusarium oxysporum</i>		AF132800
	<i>Fusarium oxysporum</i>		AF322075
	<i>Fusarium oxysporum</i>		AF322076
	<i>Fusarium oxysporum</i>		AY904065

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium oxysporum</i>		FJ196765
	<i>Fusarium oxysporum</i>		FJ196766
	<i>Fusarium oxysporum</i>		FJ196767
	<i>Fusarium oxysporum</i>		FJ545244
	<i>Fusarium oxysporum</i>		FJ614642
	<i>Fusarium oxysporum</i>		GQ131884
	<i>Fusarium oxysporum</i>		GU256752
	<i>Fusarium oxysporum</i>		GU327639
	<i>Fusarium oxysporum</i>		HQ651161
	<i>Fusarium oxysporum</i>		JN859432
	<i>Fusarium oxysporum</i>		JN859433
	<i>Fusarium oxysporum</i>		JN859434
	<i>Fusarium oxysporum</i>		JN859435
	<i>Fusarium oxysporum</i>		JN859436
	<i>Fusarium oxysporum</i>		JN859437
	<i>Fusarium oxysporum</i>		JN859438
	<i>Fusarium oxysporum</i>		JN859439
	<i>Fusarium oxysporum</i>		JN859440
	<i>Fusarium oxysporum</i>		JN859441
	<i>Fusarium oxysporum</i>		JN859442
	<i>Fusarium oxysporum</i>		JN859443
	<i>Fusarium oxysporum</i>		JN859444
	<i>Fusarium oxysporum</i>		JN859445
	<i>Fusarium oxysporum</i>		JN859446
	<i>Fusarium oxysporum</i>		JN859447
	<i>Fusarium oxysporum</i>		JN859448
	<i>Fusarium oxysporum</i>		JN859449
	<i>Fusarium oxysporum</i>		JN859450
	<i>Fusarium oxysporum</i>		JN859451

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium oxysporum</i>		JN859452
	<i>Fusarium oxysporum</i>		JN859453
	<i>Fusarium oxysporum</i>		JN859454
	<i>Fusarium oxysporum</i>		JN859455
	<i>Fusarium oxysporum</i>		JN859456
	<i>Fusarium oxysporum</i>		JN859457
	<i>Fusarium oxysporum</i>		JN859458
	<i>Fusarium oxysporum</i>		JN859459
	<i>Fusarium oxysporum</i>		JN859460
	<i>Fusarium oxysporum</i>		JN859461
	<i>Fusarium oxysporum</i>		KX670591
	<i>Fusarium oxysporum</i>		KX670592
	<i>Fusarium oxysporum</i>		KX670593
	<i>Fusarium oxysporum</i>		KX670594
	<i>Fusarium oxysporum</i>		KX670595
	<i>Fusarium oxysporum</i>		KX670596
	<i>Fusarium oxysporum</i>		KX670597
	<i>Fusarium oxysporum</i>		KX670598
	<i>Fusarium oxysporum</i>		KX670599
	<i>Fusarium oxysporum</i>		KX670600
	<i>Fusarium oxysporum</i>		KX670601
	<i>Fusarium oxysporum</i>		KX670602
	<i>Fusarium oxysporum</i>		KX670603
	<i>Fusarium oxysporum</i>		KX670604
	<i>Fusarium oxysporum</i>		KX670605
	<i>Fusarium oxysporum</i>		KX670606
	<i>Fusarium oxysporum</i>		KX670607
	<i>Fusarium oxysporum</i>		KX670608
	<i>Fusarium oxysporum</i>		KX670609

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium oxysporum</i>		KX670610
	<i>Fusarium oxysporum</i>		KX670611
	<i>Fusarium oxysporum</i>		MF993437
	<i>Fusarium oxysporum</i>		MF993439
	<i>Fusarium penzigii</i>		EU926257
	<i>Fusarium penzigii</i>		KM231795
	<i>Fusarium penzigii</i>	Yes	NR_137707
	<i>Fusarium pernambucanum</i>	Yes	NR_163754
	<i>Fusarium petersiae</i>		MG386078
	<i>Fusarium petersiae</i>	Yes	NR_156397
	<i>Fusarium phormii</i>		DQ286136
	<i>Fusarium phyllophilum</i>		AB587006
	<i>Fusarium polyphialidicum</i>		AJ538042
	<i>Fusarium polyphialidicum</i>		KR071662
	<i>Fusarium polyphialidicum</i>	Yes	NR_144930
	<i>Fusarium proliferatum</i>		KF179097
	<i>Fusarium pseudoanthophilum</i>	Yes	NR_163682
	<i>Fusarium pseudocircinatum</i>		MG838043
	<i>Fusarium pseudocircinatum</i>		MG838044
	<i>Fusarium pseudocircinatum</i>		MG838046
	<i>Fusarium pseudocircinatum</i>		MG838047
	<i>Fusarium pseudocircinatum</i>		MG838048
	<i>Fusarium pseudocircinatum</i>		MG838049
	<i>Fusarium pseudocircinatum</i>		MG838050
	<i>Fusarium pseudocircinatum</i>		MG838051
	<i>Fusarium pseudocircinatum</i>		MG838052
	<i>Fusarium pseudocircinatum</i>		MG838053
	<i>Fusarium pseudocircinatum</i>		MG838054
	<i>Fusarium pseudocircinatum</i>		MG838055

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium pseudocircinatum</i>		MG838056
	<i>Fusarium pseudocircinatum</i>		MG838057
	<i>Fusarium pseudocircinatum</i>		MG838058
	<i>Fusarium pseudocircinatum</i>		MG838059
	<i>Fusarium pseudocircinatum</i>		MG838060
	<i>Fusarium pseudocircinatum</i>		MG838061
	<i>Fusarium pseudocircinatum</i>	Yes	NR_163683
	<i>Fusarium pseudonygamai</i>	Yes	NR_137162
	<i>Fusarium ramigenum</i>		KR909397
	<i>Fusarium ramigenum</i>	Yes	NR_111888
	<i>Fusarium robustum</i>	Yes	NR_159851
	<i>Fusarium solani</i>		AY904064
	<i>Fusarium solani</i>		EU008940
	<i>Fusarium solani</i>		FJ914886
	<i>Fusarium solani</i>		HQ026747
	<i>Fusarium solani</i>		HQ651162
	<i>Fusarium solani</i>		HQ651163
	<i>Fusarium solani</i>		HQ651164
	<i>Fusarium solani</i>		HQ651165
	<i>Fusarium solani</i>		KM235740
	<i>Fusarium solani</i>	Yes	NR_163531
	<i>Fusarium</i> sp.		AB245442
	<i>Fusarium</i> sp.		AB693803
	<i>Fusarium</i> sp.		EU251487
	<i>Fusarium</i> sp.		EU251488
	<i>Fusarium</i> sp.		EU251489
	<i>Fusarium</i> sp.		FJ614628
	<i>Fusarium</i> sp.		FJ614630
	<i>Fusarium</i> sp.		FJ614643

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium</i> sp.		FJ614644
	<i>Fusarium</i> sp.		HQ651166
	<i>Fusarium</i> sp.		JN575600
	<i>Fusarium</i> sp.		JN859423
	<i>Fusarium</i> sp.		JN859424
	<i>Fusarium</i> sp.		JN859425
	<i>Fusarium</i> sp.		JN859426
	<i>Fusarium</i> sp.		JN859427
	<i>Fusarium</i> sp.		JN859428
	<i>Fusarium</i> sp.		JN859429
	<i>Fusarium</i> sp.		JN859430
	<i>Fusarium</i> sp.		JN859431
	<i>Fusarium</i> sp.		KM236752
	<i>Fusarium</i> sp.		KT313633
	<i>Fusarium</i> sp.		KX790413
	<i>Fusarium</i> sp.		LT746241
	<i>Fusarium</i> sp.		LT746245
	<i>Fusarium</i> sp.		LT746262
	<i>Fusarium sporotrichioides</i>		EU853850
	<i>Fusarium sporotrichioides</i>		EU853851
	<i>Fusarium sporotrichioides</i>		EU853852
	<i>Fusarium sporotrichioides</i>		EU853853
	<i>Fusarium sporotrichioides</i>		EU853854
	<i>Fusarium sporotrichioides</i>		EU853855
	<i>Fusarium sporotrichioides</i>		EU853856
	<i>Fusarium sporotrichioides</i>		FJ614629
	<i>Fusarium sporotrichioides</i>		FJ614631
	<i>Fusarium sporotrichioides</i>		FJ614632
	<i>Fusarium sporotrichioides</i>		FJ614633

Genus	Latin binomial	Type	GenBank acc.#
	<i>Fusarium sporotrichioides</i>		FJ614634
	<i>Fusarium sporotrichioides</i>		FJ614635
	<i>Fusarium sporotrichioides</i>		FJ614636
	<i>Fusarium sporotrichioides</i>		FJ614637
	<i>Fusarium sporotrichioides</i>		FJ614638
	<i>Fusarium sporotrichioides</i>		FJ614639
	<i>Fusarium sublunatum</i>		AF111060
	<i>Fusarium sublunatum</i>	Yes	NR_111606
	<i>Fusarium tricinctum</i>		AB587028
	<i>Fusarium venenatum</i>		EU853843
	<i>Fusarium venenatum</i>		FJ545225
	<i>Fusarium venenatum</i>		FJ746660
	<i>Fusarium venenatum</i>		KM231814
	<i>Fusarium venenatum</i>	Yes	NR_156290
	<i>Fusarium zealandicum</i>		HM626658
	<i>Fusarium zealandicum</i>	Yes	NR_138298
	<i>Fusicolla acetilerea</i>	Yes	NR_111603
	<i>Gibberella acuminata</i>		AF132802
	<i>Gibberella avenacea</i>		AM886285
	<i>Gibberella avenacea</i>		AM886286
	<i>Gibberella fujikuroi</i>		AB237662
	<i>Gibberella intricans</i>		GU291255
	Uncultured <i>Fusarium</i>		KC753416
	Uncultured <i>Fusarium</i>		KC753417
	Uncultured <i>Fusarium</i>		KC753424

Type mean that the sequence comes from a Type specimen.