

**Table S2** Closest BLAST matches of representative isolates of DSE groups

DSE group	Isolate	Closest sequence matches	Source / Host	Country	Coverage	Similarity		
1	REF025	u. mycorrhizal ascomycete (AY634148)	H: <i>Epipactis atrorubens</i> , TT: mycorrhizal root section, ES	Germany	100	99		
		<i>Cadophora</i> sp. (FJ666349)	H: <i>Populus tremuloides</i>	Canada	99	98		
		<i>Cadophora</i> sp. (GU212389)	IS: box packing material sample	Antarctica	100	97		
		<i>Cadophora</i> sp. (DQ317329)	IS: Ross Sea region of Antarctica	Antarctica	100	97		
		<i>Cadophora luteo-olivacea</i> is. (FJ486274)			100	97		
		u. <i>Cadophora</i> c. (EU517022)	IS: soil, ES	Austria	97	98		
		<i>Cadophora luteo-olivacea</i> st. (DQ404348)	IS: <i>Actinidia deliciosa</i> discolored wood	Italy	100	96		
		<i>Cadophora luteo-olivacea</i> st. (GU128589)	IS: apple fruit	Italy	100	96		
		<i>Cadophora luteo-olivacea</i> is. (GQ214536)			100	96		
		<i>Cadophora luteo-olivacea</i> st. (FJ430742)	IS: soil	Czech Rep.	100	96		
		u. ascomycete is. (AY833035)	H: <i>Cephalanthera damasonium</i> , IS: orchid mycorrhiza, ES	France	96	97		
		REF039	u. soil fungus c. (EU490132)	IS: savanna soil (0 to 10 cm) under <i>Prosopis glandulosa</i> , ES	USA: TX	98	97	
			<i>Cadophora luteo-olivacea</i> (HM116748)	H: <i>Actinidia deliciosa</i> cv. Hayward	New Zealand	98	96	
			<i>Cadophora luteo-olivacea</i> st. (DQ404349)			97	97	
			<i>Rhexocercosporidium</i> sp. (DQ275614)	H: <i>Panax ginseng</i>	Canada	97	96	
	u. soil fungus c. (DQ420925)		IS: soil, ES	USA: MN	97	96		
	u. <i>Leptodontidium</i> is. (FJ378720)		H: <i>Kobresia</i> sp., ES	China	97	96		
	dark septate endophyte (AF168783)		H: <i>Ranunculus adoneus</i>	USA: CO	99	95		
	u. ascomycete is. (DQ182423)		IS: host roots, H: <i>Cephalanthera longifolia</i> , ES		97	96		
	<i>Leptodontidium orchidicola</i> st. (AF486133)		H: <i>Platanthera hyperborea</i>		97	96		
	2		REF058	u. fungus c. (GQ921746)	IS: soil, ES	Australia	100	99
		u. Helotiales c. (FJ197867)		IS: primary successional glacier foreland soil, ES	Austria	95	99	
		u. fungus c. (EU292653)		IS: soil, ES	USA: AK	100	97	
		u. Helotiales c. (GU327458)		H: <i>Epipactis helleborine</i> , IS: mycorrhizal seedling, ES	Czech Rep.	92	99	
		u. soil fungus (GU083256)		IS: total community (raw soil DNA extraction), ES	USA: AK	100	97	
		u. fungus c. (FJ553784)		IS: forest soil, ES	Canada	100	96	
		u. Helotiales is. (DQ182427)		H: <i>Cephalanthera longifolia</i> , IS: host roots, ES		100	96	
		Ericoid mycorrhizal sp. (AY046400)		IS: <i>Quercus ilex</i> areas	Italy	99	96	
		u. Ascomycota c. (FJ440888)		IS: roots of <i>Pyrola</i> plants, ES	USA: OR/CA	100	96	
		u. ectomycorrhiza (Helotiales) is. (EF644169)		IS: ectomycorrhizal root tips of <i>Populus tremula</i> , TT: ectomycorrhizal mantle, ES	Austria	97	96	
		u. ectomycorrhiza ( <i>Leohumicola verrucosa</i> ) c. (DQ497978)	H: <i>Tsuga heterophylla</i> , IS: root, ES	Canada	100	94		
		<i>Leohumicola minima</i> st. (AY706329)	IS: volcanic ash soil	Chile	98	94		
		Fungal endophyte sp. (EU686206)	H: <i>Scapania</i> sp.	Wales	100	94		
		3	REF078	Fungal endophyte (AF373055)	H: <i>Rosmarinus officinalis</i> , IS: endomycorrhizae of host	Italy	100	99
				Fungal endophyte (AF373052)	H: <i>Pinus halepensis</i> , IS: from ectomycorrhizae of host	Italy	100	99
u. endophytic fungus (AJ879648)				IS: root tips, TT: ectomycorrhiza, ES	Italy	100	99	
u. endophytic fungus c. (FJ524327)				IS: <i>Oryza granulate</i> root endophyte, ES	China	100	99	
<i>Rhizopycnis vagum</i> is. (HQ610506)				IS: diseased roots collected from farm fields, H: <i>Citrullus lanatus</i>	USA: IN	100	99	
Ascomyceta sp. (HM208718)				IS: hair root, H: <i>Rhododendron fortunei</i>	China	100	99	
Ascomycete sp. (AM944359)				IS: <i>Lycopersicon esculentum</i> disinfected roots	Colombia	100	99	
Fungal endophyte sp. (DQ459005)	H: <i>Dioscorea zingiberensis</i> rhizomes			China	100	99		
Fungal sp. (HM208743)	IS: hair root, H: <i>Rhododendron fortunei</i>			China	100	98		
<i>Rhizopycnis vagum</i> (AF022786) Holotype culture (TX951120)	IS: <i>Cucumis melo</i> var. <i>cantalupensis</i>			USA: TX	100	98		
<i>Rhizopycnis</i> sp. (DQ682600)	H: <i>Coffea arabica</i> roots		97	99				
Fungal endophyte sp. (EU250374)	IS: fruit of host, H: <i>Camptotheca acuminata</i>		100	95				
Pleosporales sp. (EU002891)	IS: peduncle endophyte, H: <i>Coffea arabica</i> , ES	USA: HI	100	95				
Fungal endophyte sp. (EU625406)	IS: mulberry roots		96	98				
<i>Rhizopycnis</i> sp. (FJ827623)	IS: <i>Coffea arabica</i> endophyte	Ethiopia	93	99				
Ascomycete sp. (EF672295)	H: <i>Coffea arabica</i> roots	USA	92	99				
Pleosporales sp. (FJ624263)	H: mangrove		95	94				
<i>Rhizopycnis vagum</i> st. (FJ582640)			100	93				
4	REF101	<i>Pithomyces valparadisiacus</i> (EU552152)	H: <i>Protea lepidocarpodendron</i>	South Africa	60	85		
		u. fungus c. (GQ921741)	IS: soil, ES	Australia	42	100		
		u. fungus is. (GU564990)	H: <i>Populus tremula</i> , ES	Sweden	32	88		
		<i>Coniothyrium</i> sp. (GU062312)	H: <i>Alnus incana</i> , IS: wood	Latvia	43	100		
		u. fungus (FN397425)	IS: <i>T. melanosporum</i> truffle-ground soil, outside burnt area, ES	France	43	100		
		u. Ascomycota c. (FJ553168)	IS: forest soil, ES	Canada	35	100		
		<i>Coniothyrium fuckelii</i> is. (FJ228185)	H: <i>Fraxinus excelsior</i>	Sweden	43	100		
		Ascomycete sp. (AJ972833)	IS: Marble Monument	Turkey	39	84		
		Fungal endophyte (FN394698)	H: <i>Holcus lanatus</i>	Spain	27	93		
		u. ascomycete c. (EU490122)	IS: savanna soil (0 to 10 cm) under <i>Prosopis glandulosa</i> , ES	USA	42	100		
		<i>Saccharicola</i> sp. (GU973718)	IS: root-endophyte, H: sugarcane cultivar IMI-1	Brazil	42	100		
		<i>Coniothyrium fuckelii</i> (AY904055)	H: <i>Rosa</i> sp., TT: stem	Mexico	42	100		
		u. fungus (AM260897)	IS: peat, ES	UK	43	100		
		5	REF104	<i>Alternaria helianthi</i> st. (DQ156343)		India	100	90
				<i>Alternaria helianthi</i> (AY154713)	H: <i>Helianthus annuus</i> (leaves)	Iran	100	90
<i>Alternaria leucanthemi</i> st. (AF314586)					100	90		
<i>Alternaria leucanthemi</i> st. (AY372684)				China	99	90		
<i>Alternaria helianthi</i> is. (HM449994)	IS: seeds, H: <i>Helianthus annuus</i> cv. Bhanu			India	90	91		

		u. fungus c. (EU516993)	IS: soil, ES	Austria	88	89
		<i>Leptosphaeria lindquistii</i> is. (HM003206)	H: <i>Helianthus annuus</i> , TT: mycelium	China	87	89
		u. fungus c. (FJ237205)	IS: in-growth mesh bags in snow covered alpine soil, ES	Austria	93	88
		<i>Leptosphaeria maculans</i> (M96663)			91	87
		u. fungus c. (GU817175)	H: <i>Bistorta vivipara</i> individual 3.1, IS: root system	Norway	93	87
		<i>Leptosphaeria</i> sp. (DQ093683)	IS: <i>Pinus sylvestris</i> decayed roots, ES	Lithuania	96	86
6	REF106	u. ascomycete c. (EF154351)	H: <i>Fagopyrum esculentum</i> roots, ES		100	100
		u. Ascomycota c. (HM162252)	IS: grass roots, ES	USA: TX	100	99
		u. ascomycete c. (EU358787)	H: <i>Capsicum annuum</i> , ES	Mexico	100	99
		u. ascomycete c. (EU177123)	H: <i>Capsicum annuum</i> , IS: roots	Mexico	100	99
		u. soil fungus c. (EU490117)	IS: savanna soil (0 to 10 cm) under <i>Prosopis glandulosa</i> , ES	USA TX	100	99
		<i>Alternaria</i> sp. (HQ630996)	H: <i>Miscanthus giganteus</i>	USA: IL	100	98
		<i>Thielaviopsis basicola</i> is. (GQ131878)	IS: peach rootstock, TT: mycelia	Italy	94	99
		<i>Alternaria longissima</i> is. (DQ865104)	H: <i>Linaria hegelmaieri</i>	Spain	95	99
	REF109	<i>Setophoma sacchari</i> (FN394730)	H: <i>Holcus lanatus</i>	Spain	100	100
		Hypocreales sp. (GQ923970)	IS: Ojuelos, H: <i>Bouteloua gracilis</i>	Mexico	100	99
		u. endophytic fungus c. (EF505610)	H: <i>Zea mays</i> , IS: leaves, stems, kernels, ES	USA	100	99
		Ascomycete sp. (EF672299)	H: <i>Coffea arabica</i>	Colombia	99	99
		<i>Setophoma sacchari</i> (AB499793)	H: <i>Allium fistulosum</i>	Japan	98	99
		Fungal endophyte st. (FJ450016)			100	99
7	REF123	u. soil fungus c. (EU480270)	IS: biological soil crust, ES	USA: NM	100	97
		u. root-associated fungus c. (EU144602)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	100	97
		Root-associated fungal sp. (EU144366)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	100	96
		u. root-associated fungus c. (FJ449545)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	96	96
	REF128	u. soil fungus c. (EU480184)	IS: biological soil crust, ES	USA: NM	99	97
		u. root-associated fungus c. (EU144953)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	99	97
		Pleosporales sp. (GQ923954)	IS: grasslands, H: <i>Bouteloua gracilis</i>	Canada: SK	100	97
		u. Pleosporales c. (GQ924050)	IS: roots from wind cave, H: <i>Bouteloua gracilis</i>	USA: SD	99	97
		Fungal sp. (FJ449549)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	93	97
	REF130	u. root-associated fungus c. (EU145013)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	100	97
		u. root-associated fungus c. (FJ361958)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	100	97
		Root-associated fungal sp. (EU144367)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	100	97
		u. soil fungus c. (EU479732)	IS: <i>Bouteloua gracilis</i> rhizosphere soil, ES	USA: NM	100	97
	REF132	u. root-associated fungus c. (FJ361994)	IS: roots, H: <i>Sporobolus cryptandrus</i> , ES	USA: NM	100	99
		u. soil fungus c. (EU480264)	IS: biological soil crust, ES	USA: NM	100	99
		u. root-associated fungus c. (EU145010)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	100	99
		u. Pleosporales c. (GQ924025)	IS: roots from Konza, H: <i>Bouteloua gracilis</i>	USA: KS	100	99
		Pleosporales sp. (GQ923972)	IS: Oujelos, H: <i>Bouteloua gracilis</i>	Mexico	100	96
	REF140	u. root-associated fungus c. (EU144759)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	98	99
		u. mycorrhizal fungus c. (AY929107)	IS: root; semi-arid grassland, H: <i>Stipa hymenoides</i> , ES	USA: UT	99	98
		u. Pleosporales c. (HQ389473)	IS: roots, H: <i>Sporobolus cryptandrus</i> , ES	USA: NM	96	99
		u. Pleosporales c. (GQ924053)	IS: roots from SNWR, H: <i>Bouteloua gracilis</i>	USA: NM	96	99
8	REF144	<i>Periconia macrospinoso</i> st. (FJ536208)	IS: roots of C <sub>4</sub> grasses	USA: KS	100	99
		u. Ascomycota c. (HM162309)	IS: grass roots, ES	USA: TX	100	99
		u. <i>Periconia</i> c. (GU055658)	IS: grassland soil	Austria	99	89
		<i>Periconia macrospinoso</i> (AJ246159)	IS: <i>Avena sativa</i> cv. Gerald roots	UK	95	100
		Pleosporales sp. (GQ923975)	IS: Ojuelos, H: <i>Bouteloua gracilis</i>	Mexico	95	99
		u. soil fungus c. (DQ420990)	IS: soil, ES	USA: MN	100	97
		<i>Periconia</i> sp. (HQ631028)	H: <i>Saccharum officinarum</i>	USA: LA	100	97
		<i>Periconia macrospinoso</i> (FN393421)	H: <i>Holcus lanatus</i> roots	Spain	92	99
		u. fungus c. (HQ260291)	IS: roots, H: Ericaceae, ES	USA: AK	100	97
		<i>Massarina</i> sp. (GQ141701)	IS: brown rice, H: rice		93	98
		<i>Periconia</i> sp. (HQ130695)	H: <i>Warburgia ugandensis</i>		96	97
		<i>Massarina igniaria</i> st. (EU715627)	IS: branch, H: <i>Taxus globosa</i>	Mexico	93	97
		u. fungus c. (GQ999275)	IS: air filter sample, ES		100	94
		<i>Periconia macrospinoso</i> st. (HQ328037)			93	97
		<i>Periconia</i> sp. (FJ903341)	IS: decayed wood, H: <i>Picea abies</i>	Latvia	90	97
		Fungal endophyte sp. (EU685980)	H: <i>Cheilelejeunea</i> sp.	Peru	93	96
		<i>Massarina igniaria</i> st. (GQ377480)	H: <i>Taxus globosa</i> , IS: branch	Mexico	91	97
		<i>Periconia macrospinoso</i> (AM262349)	H: <i>Dactylis glomerata</i>	Spain	81	100
		Fungal endophyte sp. (EU977233)	H: <i>Macairea thyrsiflora</i>	Peru	88	97
9	REF148	u. soil fungus c. (EU480177)	IS: biological soil crust, ES	USA: NM	100	100
		<i>Embellisia</i> sp. (AY345356)	H: <i>Hennediella heimii</i>	Antarctica	100	99
		u. root-associated fungus c. (FJ362231)	IS: roots, H: <i>Sporobolus cryptandrus</i> , ES	USA: NM	100	99
		<i>Embellisia astragali</i> st. (FJ914716)			100	99
		<i>Embellisia</i> sp. (AY864335)	H: <i>Hennediella heimii</i>	Antarctica	100	99
		<i>Alternaria japonica</i> (AY154703)	H: <i>Raphanus sativus</i> (leaves)	Iran	100	95
	REF150	<i>Embellisia</i> sp. (AF212309)		Antarctica	100	99
		u. soil fungus c. (EU480175)	IS: biological soil crust, ES	USA: NM	100	99
		u. root-associated fungus c. (EU144461)	IS: roots, H: <i>Bouteloua gracilis</i> , ES	USA: NM	96	99
		<i>Embellisia telluster</i> st. (FJ357316)	H: <i>Oxytropis</i> spp.	USA: NM	97	99
		<i>Embellisia allii</i> (AY278840)			96	99
		<i>Embellisia allii</i> (AB477430)	H: <i>Allium sativum</i>	China	92	98
		<i>Pleospora papaveracea</i> is. (DQ885386)	H: <i>Papaver somniferum</i>	Spain	100	94
		<i>Chalastospora gossypii</i> (FN868458)	H: <i>Pinus halepensis</i>	Spain	100	92
10	REF154	u. fungus (FN397304)	IS: <i>Tuber melanosporum</i> truffle-ground soil, burnt area, ES	France	100	100

		<i>Curvularia inaequalis</i> (FM163616)	IS: nasal secretion	Italy	100	100
		u. Ascomycota c. (HM161938)	IS: grass roots, ES	USA: TX	100	99
		u. endophytic fungus c. (EF505555)	H: <i>Zea mays</i> , IS: leaves, stems, kernels, ES	USA	99	100
		<i>Curvularia coicicola</i> (AB453880)	IS: <i>Coicis lacryma-jobi</i> L.	China	100	99
		<i>Curvularia inaequalis</i> st. (HM101095)			98	100
		<i>Curvularia inaequalis</i> st. (AF120261)			98	99
		u. ascomycete c. (EU489922)	IS: savanna soil (0 to 10 cm) under C4 midgrasses, ES	USA	100	97
		<i>Curvularia inaequalis</i> (AF313409)			100	97
		u. soil fungus c. (DQ420883)	IS: soil, ES	USA: MN	100	97
		<i>Curvularia geniculata</i> (AB245085)	H: <i>Agrostis strobilifera</i>	Japan	99	97
		<i>Curvularia inaequalis</i> st. (AY941256)			92	100
11	REF158	<i>Microdochium bolleyi</i> (AM502264)			100	100
		<i>Microdochium bolleyi</i> st. (GU566298)	IS: rhizosphere, H: <i>Phalaris arundinacea</i>	Czech Rep.	100	100
		<i>Microdochium</i> sp. (AJ279489)	H: <i>Phragmites australis</i> roots	Germany	100	100
		<i>Microdochium</i> sp. (HQ630981)	H: <i>Miscanthus giganteus</i>	USA: IL	100	99
		u. fungus (FN391313)	IS: <i>Tuber melanosporum</i> truffle-ground soil, burnt area, ES	France	100	99
		Xylariales sp. (EU755004)	IS: soil and roots of oilseed rape, ES		100	99
		u. endophytic fungus c. (EF505625)	H: <i>Zea mays</i> , IS: leaves, stems, kernels, ES	USA	100	99
		<i>Microdochium</i> sp. (FJ439588)	IS: soil artificially contaminated with pyrene	UK	98	100
		Ascomycete sp. (AY243053)	H: <i>Ammophila arenaria</i> , IS: plants grown in greenhouse in sterilized and unsterilized soil	USA: CA	96	99
		<i>Microdochium bolleyi</i> (AM924150)	H: <i>Elymus farctus</i>	Spain	92	100
		u. Xylariales c. (GQ924061)	H: <i>Bouteloua gracilis</i> , IS: roots from wind cave, ES	USA: SD	92	99
		<i>Microdochium bolleyi</i> is. (HM007082)	IS: <i>Stipa grandis</i> , IS: roots	China	90	99
		<i>Microdochium</i> sp. (FJ536210)	H: roots of C <sub>4</sub> grasses	USA: KS	92	100
		u. Xylariales c. (DQ317371)	IS: Ross Sea region of Antarctica, ES	Antarctica	66	100
12	REF165	Fungal sp. (HM036626)	H: <i>Pinus sylvestris</i> , IS: root tip	Lithuania	83	99
		<i>Thermoascus crustaceus</i> st. (EU021597)			99	87
		<i>Byssosclamyces verrucosa</i> (DQ073329)		Australia	99	87
		<i>Thermoascus crustaceus</i> (U18353)	TT: mycelium, dev stage: hyphal		99	87
		<i>Penicillium inflatum</i> (AJ608959)	IS: plasticised polyvinylchloride	Bulgaria	99	87
		<i>Penicillium inflatum</i> st. (AF033393)			99	87
		<i>Thermoascus crustaceus</i> st. (FJ389925)	H: <i>Parthenium argentatum</i>	USA	98	87
		<i>Aspergillus wentii</i> is. (FJ537089)			95	88
		<i>Aspergillus wentii</i> is. (EF652158)			95	88
		<i>Aspergillus dimorphicus</i> (FR727119)	IS: phylloplane	Czech Rep.	95	88
		<i>Aspergillus heteromorphus</i> (AJ876879)	IS: culture contaminant	Brazil	99	87
		<i>Talaromyces leycettanus</i> st. (AF454080)			99	87
13	REF168	u. <i>Plectosphaerella</i> c. (GU327453)	H: <i>Epipactis helleborine</i> , IS: mycorrhizal seedling, ES	Czech Rep.	100	99
		<i>Phyllachoraceae</i> sp. (EU755008)	IS: soil and roots of oilseed rape, ES		100	99
		u. fungus (FM875855)	IS: biofilter reactor, ES		100	99
		<i>Plectosphaerella</i> sp. (FJ430715)		Czech Rep.	100	99
		u. ascomycete c. (AY615882)	IS: field rhizosphere, ES	Netherlands	100	99
		u. ascomycete (AM901905)	IS: house dust, ES	Finland	98	99
		u. fungus c. (GQ921802)	IS: soil, ES	Australia	98	99
		<i>Plectosphaerella cucumerina</i> st. (EF495236)	IS: <i>Paris polyphylla</i> var. <i>yunnanensis</i> rhizomes	China	100	99
		<i>Plectosphaerella</i> sp. (GQ407099)	H: <i>Musa acuminata</i> , IS: root, N: fungal endophyte	Malaysia	100	98
		<i>Plectosphaerella cucumerina</i> st. (DQ779781)	IS: soil		98	99
		<i>Plectosphaerella cucumerina</i> (AJ492873)	H: potato cyst nematode	UK	100	98
		<i>Plectosphaerella cucumerina</i> (FM178318)		Australia	96	99
		<i>Plectosphaerella</i> sp. (HQ008920)	H: <i>Arrabidaea candicans</i>	Ecuador	100	98
		<i>Plectosphaerella cucumerina</i> (AB469880)	H: <i>Homo sapiens</i> cornea		100	98
		<i>Colletotrichum pisi</i> st. (EU400150)			100	97
14	REF210	<i>Fusarium</i> sp. (HQ166538)	H: <i>Buxus sempervirens</i> , IS: infected leaves	Switzerland	100	100
		Hypocreales sp. (GQ923966)	H: <i>Bouteloua gracilis</i> , IS: wind cave	USA: SD	100	100
		<i>Fusarium acuminatum</i> st. (HM068325)			100	100
		<i>Fusarium</i> sp. (GU480954)	H: wheat, IS: seeds	Mexico	100	100
		<i>Fusarium</i> sp. (GQ505464)		USA: TX	100	100
		Fungal sp. (GQ866861)	H: <i>Spiranthes sinensis</i> (Pers.) Ames	China	100	100
		u. root-associated fungus c. (FJ362249)	H: <i>Yucca glauca</i> , IS: roots, ES	USA: NM	100	100
		<i>Fusarium solani</i> (AB470848)	H: <i>Larix gmelinii</i> var. <i>principis-rupprechtii</i>	China	100	100
		<i>Fusarium</i> sp. (EU910079)	H: <i>Cicer arietinum</i>		100	100
		<i>Fusarium tricinctum</i> (FJ233196)	H: kiwifruit	China	100	100
		Hypocreales sp. (EU754934)	IS: soil and roots of oilseed rape, ES		100	100
		<i>Gibberella avenacea</i> is. (EU255801)			100	100
		u. <i>Fusarium</i> c. (EU003042)	H: apple seedling, IS: roots, ES		100	100
		u. soil fungus c. (DQ421028)	IS: soil, ES	USA: MN	100	100
		<i>Fusarium tricinctum</i> (AY188923)			100	100
		Fungal endophyte is. (EU167917)	H: <i>Picrorhiza kurroa</i>		99	100
		u. <i>Gibberella</i> (FM178250)	IS: malthouse waste water, ES		100	99
		<i>Gibberella pulicaris</i> st. (FJ481029)	H: poplar, IS: root		100	99

Name, source, provenance country, query coverage and max ident of sequences from GenBank are indicated. Abbreviations: uncultured (u.), clone (c.), strain (st.), Host (H), Isolation Source (IS), Tissue Type (TT), Environmental Sample (ES)