

Table S1 GenBank accession number, top BLASTN match, and phylogenetic assignment for each 454 operational taxonomic unit (OTU). OTUs were designated based on 97% sequence similarity.

OTU	OTU Accession	BLASTN Match	BLASTN Accession	Phylum	Phylogenetic Assignment
106	HQ257008	<i>Acaulospora laevis</i>	Y17633.2	Glomeromycota	AM
86	HQ256988	<i>Acaulospora spinos</i>	Z14004.1	Glomeromycota	AM
40	HQ256942	<i>Ambispora fennica</i>	AM268195.1	Glomeromycota	AM
89	HQ256991	<i>Ambispora fennica</i>	AM268195.1	Glomeromycota	AM
177	HQ257079	<i>Ambispora fennica</i>	AM268195.1	Glomeromycota	AM
200	HQ257102	<i>Ambispora fennica</i>	AM268195.1	Glomeromycota	AM
25*	HQ256927	<i>Ambispora leptoticha</i>	AB047309.1	Glomeromycota	Removed from data set
13	HQ256915	<i>Glomus aureum</i>	AJ871991.1	Glomeromycota	AM
51	HQ256953	<i>Glomus aureum</i>	AJ871991.1	Glomeromycota	AM
104	HQ257006	<i>Glomus aureum</i>	AJ871991.1	Glomeromycota	AM
137	HQ257039	<i>Glomus aureum</i>	AJ871991.1	Glomeromycota	AM
235	HQ257137	<i>Glomus aureum</i>	AJ871991.1	Glomeromycota	AM
48	HQ256950	<i>Glomus badium</i>	AJ871990.1	Glomeromycota	AM
109	HQ257011	<i>Glomus badium</i>	AJ871990.1	Glomeromycota	AM
29	HQ256931	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	AM
42	HQ256944	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	AM
113	HQ257015	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	AM
191	HQ257093	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	AM
208	HQ257110	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	AM
210	HQ257112	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	AM
224	HQ257126	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	AM
231	HQ257133	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	AM
193^	HQ257095	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	Removed from data set
212^	HQ257114	<i>Glomus claroideum</i>	Y17636.2	Glomeromycota	Removed from data set
76	HQ256978	<i>Glomus eburneum</i>	AM713431.1	Glomeromycota	AM
2	HQ256904	<i>Glomus hoi</i>	AM743188.1	Glomeromycota	AM
85	HQ256987	<i>Glomus hoi</i>	AM743188.1	Glomeromycota	AM
1	HQ256903	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
15	HQ256917	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
20	HQ256922	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
27	HQ256929	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
33	HQ256935	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
74	HQ256976	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
78	HQ256980	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
98	HQ257000	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
142	HQ257044	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM

Table S1 Continued.

OTU	OTU Accession	BLASTN Match	BLASTN Accession	Phylum	Phylogenetic Assignment
163	HQ257065	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
171	HQ257073	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
206	HQ257108	<i>Glomus intraradices</i>	EU232660.1	Glomeromycota	AM
165	HQ257067	<i>Glomus irregulare</i>	FJ009618.1	Glomeromycota	AM
6	HQ256908	<i>Glomus proliferum</i>	AF213462.1	Glomeromycota	AM
214	HQ257116	<i>Glomus proliferum</i>	AF213462.1	Glomeromycota	AM
26	HQ256928	<i>Glomus sp.</i>	AF480157.1	Glomeromycota	AM
146	HQ257048	<i>Glomus sp.</i>	AF480157.1	Glomeromycota	AM
166	HQ257068	<i>Glomus sp.</i>	AF480157.1	Glomeromycota	AM
175	HQ257077	<i>Glomus sp.</i>	AF480157.1	Glomeromycota	AM
205	HQ257107	<i>Paraglomus brasilianum</i>	AJ301862.1	Glomeromycota	AM
32*	HQ256934	<i>Paraglomus occultum</i>	AJ276082.2	Glomeromycota	Removed from data set
8	HQ256910	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
37	HQ256939	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
79	HQ256981	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
80	HQ256982	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
102	HQ257004	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
125	HQ257027	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
153	HQ257055	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
178	HQ257080	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
179	HQ257081	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
183	HQ257085	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
202	HQ257104	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
207	HQ257109	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
216	HQ257118	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	NON-AM
199^	HQ257101	<i>Articulospora tetracladia</i>	EU998929.1	Ascomycota	Removed from data set
4	HQ256906	<i>Botryotinia fuckeliana</i>	EF110887.1	Ascomycota	NON-AM
128	HQ257030	<i>Botryotinia fuckeliana</i>	EF110887.1	Ascomycota	NON-AM
84	HQ256986	<i>Calcarisporium arbuscula</i>	AY271796.1	Ascomycota	NON-AM
45	HQ256947	<i>Capronia fungicola</i>	FJ358292.1	Ascomycota	NON-AM
94	HQ256996	<i>Capronia fungicola</i>	FJ358292.1	Ascomycota	NON-AM
50	HQ256952	<i>Capronia sp.</i>	FJ358295.1	Ascomycota	NON-AM
73	HQ256975	<i>Catenulostroma elginense</i>	GU214517.1	Ascomycota	NON-AM
46	HQ256948	<i>Cephalotheca sulfurea</i>	AB278194.1	Ascomycota	NON-AM
204^	HQ257106	<i>Chaetomium elatum</i>	FN666095.1	Ascomycota	Removed from data set
101	HQ257003	<i>Chaetothyriomycetidae sp.</i>	FJ358326.1	Ascomycota	NON-AM
16	HQ256918	<i>Chalara constricta</i>	AF222506.1	Ascomycota	NON-AM

Table S1 Continued.

OTU	OTU Accession	BLASTN Match	BLASTN Accession	Phylum	Phylogenetic Assignment
134	HQ257036	<i>Cladosporium sphaerospermum</i>	AY251098.2	Ascomycota	NON-AM
69	HQ256971	<i>Clavariopsis aquatica</i>	FJ804122.1	Ascomycota	NON-AM
211	HQ257113	<i>Collophora rubra</i>	GQ154629.1	Ascomycota	NON-AM
239	HQ257141	<i>Collophora rubra</i>	GQ154629.1	Ascomycota	NON-AM
149	HQ257051	<i>Coniochaeta velutina</i>	GQ154626.1	Ascomycota	NON-AM
236	HQ257138	<i>Coniosporium perforans</i>	EF137365.1	Ascomycota	NON-AM
82	HQ256984	<i>Cucurbitaria elongata</i>	AY857657.1	Ascomycota	NON-AM
58	HQ256960	<i>Cyathicula microspora</i>	EU940015.1	Ascomycota	NON-AM
136	HQ257038	<i>Cyathicula microspora</i>	EU940015.1	Ascomycota	NON-AM
150	HQ257052	<i>Cyathicula microspora</i>	EU940015.1	Ascomycota	NON-AM
158	HQ257060	<i>Cyathicula microspora</i>	EU940015.1	Ascomycota	NON-AM
90	HQ256992	<i>Cyphellophora laciniata</i>	FJ358307.1	Ascomycota	NON-AM
93	HQ256995	<i>Cyphellophora laciniata</i>	FJ358307.1	Ascomycota	NON-AM
225	HQ257127	<i>Cyphellophora laciniata</i>	FJ358307.1	Ascomycota	NON-AM
194	HQ257096	<i>Farlowiella carmichaeliana</i>	AY541482.1	Ascomycota	NON-AM
226	HQ257128	<i>Farlowiella carmichaeliana</i>	AY541482.1	Ascomycota	NON-AM
31	HQ256933	<i>Fragosphaeria reniformis</i>	AB278193.1	Ascomycota	NON-AM
77	HQ256979	<i>Fusarium oxysporum</i>	AB521041.1	Ascomycota	NON-AM
201	HQ257103	<i>Geomyces destructans</i>	GQ489025.1	Ascomycota	NON-AM
41	HQ256943	<i>Gymnostellatospora alpina</i>	FJ590656.1	Ascomycota	NON-AM
63	HQ256965	<i>Gymnostellatospora alpina</i>	FJ590656.1	Ascomycota	NON-AM
75	HQ256977	<i>Gymnostellatospora alpina</i>	FJ590656.1	Ascomycota	NON-AM
138	HQ257040	<i>Gymnostellatospora alpina</i>	FJ590656.1	Ascomycota	NON-AM
21	HQ256923	<i>Hyaloscypha fuckelii</i>	EU940078.1	Ascomycota	NON-AM
130	HQ257032	<i>Hypoxyton mediterraneum</i>	AF346564.1	Ascomycota	NON-AM
126^	HQ257028	<i>Hypoxyton mediterraneum</i>	AF346564.1	Ascomycota	Removed from data set
83	HQ256985	<i>Lecophagus longispora</i>	AB014400.1	Ascomycota	NON-AM
176	HQ257078	<i>Lemonnieria terrestris</i>	AY204607.1	Ascomycota	NON-AM
196^	HQ257098	<i>Lemonnieria terrestris</i>	AY204607.1	Ascomycota	Removed from data set
197^	HQ257099	<i>Lemonnieria terrestris</i>	AY204607.1	Ascomycota	Removed from data set
120	HQ257022	<i>Leohumicola minima</i>	AY706329.1	Ascomycota	NON-AM
219	HQ257121	<i>Leohumicola minima</i>	AY706329.1	Ascomycota	NON-AM
117	HQ257019	<i>Meliniomyces variabilis</i>	GU206875.1	Ascomycota	NON-AM
140	HQ257042	<i>Meliniomyces variabilis</i>	GU206875.1	Ascomycota	NON-AM
35	HQ256937	<i>Monilinia fructicola</i>	AY544724.1	Ascomycota	NON-AM
72	HQ256974	<i>Monilinia fructicola</i>	AY544724.1	Ascomycota	NON-AM
36	HQ256938	<i>Neofabraea alba</i>	FJ654654.1	Ascomycota	NON-AM

Table S1 Continued.

OTU	OTU Accession	BLASTN Match	BLASTN Accession	Phylum	Phylogenetic Assignment
49	HQ256951	<i>Neofabraea alba</i>	FJ654654.1	Ascomycota	NON-AM
108	HQ257010	<i>Neofabraea alba</i>	FJ654654.1	Ascomycota	NON-AM
155	HQ257057	<i>Neofabraea alba</i>	FJ654654.1	Ascomycota	NON-AM
170	HQ257072	<i>Neofabraea alba</i>	FJ654654.1	Ascomycota	NON-AM
23	HQ256925	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
34	HQ256936	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
110	HQ257012	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
118	HQ257020	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
147	HQ257049	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
148	HQ257050	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
184	HQ257086	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
185	HQ257087	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
187	HQ257089	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
188	HQ257090	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
240	HQ257142	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	NON-AM
203^	HQ257105	<i>Ophiosphaerella herpotricha</i>	DQ767650.1	Ascomycota	Removed from data set
38	HQ256940	<i>Penicillium chrysogenum</i>	GQ458038.1	Ascomycota	NON-AM
96	HQ256998	<i>Phaeosphaeria anchiala</i>	AY741066.1	Ascomycota	NON-AM
107	HQ257009	<i>Phoma herbarum</i>	AY864822.1	Ascomycota	NON-AM
198^	HQ257100	<i>Phoma herbarum</i>	AY864822.1	Ascomycota	Removed from data set
18	HQ256920	<i>Phyllachora graminis</i>	AF064051.1	Ascomycota	NON-AM
64	HQ256966	<i>Pleiochaeta setosa</i>	EU167563.1	Ascomycota	NON-AM
139	HQ257041	<i>Pleiochaeta setosa</i>	EU167563.1	Ascomycota	NON-AM
53	HQ256955	<i>Polystigma ochraceum</i>	AF276299.1	Ascomycota	NON-AM
10	HQ256912	<i>Roccellographa cretacea</i>	DQ883705.1	Ascomycota	NON-AM
61	HQ256963	<i>Scolecobasidium tshawytschae</i>	AB161066.4	Ascomycota	NON-AM
19	HQ256921	<i>Sirodesmium olivaceum</i>	GU250915.1	Ascomycota	NON-AM
7	HQ256909	<i>Sowerbyella imperialis</i>	DQ646551.1	Ascomycota	NON-AM
12	HQ256914	<i>Sowerbyella imperialis</i>	DQ646551.1	Ascomycota	NON-AM
54	HQ256956	<i>Sowerbyella imperialis</i>	DQ646551.1	Ascomycota	NON-AM
71	HQ256973	<i>Sporobolomyces roseus</i>	DQ832235.1	Ascomycota	NON-AM
121	HQ257023	<i>Sporormia lignicola</i>	EU263612.1	Ascomycota	NON-AM
44	HQ256946	<i>Tetracladium maxilliforme</i>	EU883430.1	Ascomycota	NON-AM
52	HQ256954	<i>Tetracladium maxilliforme</i>	EU883430.1	Ascomycota	NON-AM
59	HQ256961	<i>Tetracladium maxilliforme</i>	EU883430.1	Ascomycota	NON-AM
103	HQ257005	<i>Tetracladium maxilliforme</i>	EU883430.1	Ascomycota	NON-AM
135	HQ257037	<i>Tetracladium maxilliforme</i>	EU883430.1	Ascomycota	NON-AM

Table S1 Continued.

OTU	OTU Accession	BLASTN Match	BLASTN Accession	Phylum	Phylogenetic Assignment
182	HQ257084	<i>Tetracladium maxilliforme</i>	EU883430.1	Ascomycota	NON-AM
192	HQ257094	<i>Tetracladium maxilliforme</i>	EU883430.1	Ascomycota	NON-AM
213	HQ257115	<i>Tetracladium maxilliforme</i>	EU883430.1	Ascomycota	NON-AM
243	HQ257145	<i>Tetracladium maxilliforme</i>	EU883429.1	Ascomycota	NON-AM
68	HQ256970	<i>Tricharina praecox</i>	DQ646552.1	Ascomycota	NON-AM
105	HQ257007	<i>Tricharina praecox</i>	DQ646552.1	Ascomycota	NON-AM
47	HQ256949	<i>Auricularia auricula-judae</i>	DQ520099.1	Basidiomycota	NON-AM
62	HQ256964	<i>Boletopsis leucomelaena</i>	DQ435797.1	Basidiomycota	NON-AM
95	HQ256997	<i>Campanella subdendrophora</i>	AY445118.1	Basidiomycota	NON-AM
114	HQ257016	<i>Campanella subdendrophora</i>	AY445118.1	Basidiomycota	NON-AM
162	HQ257064	<i>Campanella subdendrophora</i>	AY445118.1	Basidiomycota	NON-AM
218	HQ257120	<i>Campanella subdendrophora</i>	AY445118.1	Basidiomycota	NON-AM
229	HQ257131	<i>Campanella subdendrophora</i>	AY445118.1	Basidiomycota	NON-AM
151	HQ257053	<i>Ceratobasidium sp.</i>	DQ520098.1	Basidiomycota	NON-AM
168	HQ257070	<i>Ceratobasidium sp.</i>	DQ520098.1	Basidiomycota	NON-AM
169	HQ257071	<i>Ceratobasidium sp.</i>	DQ520098.1	Basidiomycota	NON-AM
100	HQ257002	<i>Cortinarius sodagnitus</i>	NG013177.1	Basidiomycota	NON-AM
123	HQ257025	<i>Cortinarius sodagnitus</i>	NG013177.1	Basidiomycota	NON-AM
156	HQ257058	<i>Cortinarius sodagnitus</i>	NG013177.1	Basidiomycota	NON-AM
157	HQ257059	<i>Cortinarius sodagnitus</i>	NG013177.1	Basidiomycota	NON-AM
164	HQ257066	<i>Cortinarius sodagnitus</i>	NG013177.1	Basidiomycota	NON-AM
88	HQ256990	<i>Cryptococcus carnescens</i>	AB105437.1	Basidiomycota	NON-AM
5	HQ256907	<i>Cyphellopsis anomala</i>	AF426949.1	Basidiomycota	NON-AM
233	HQ257135	<i>Dictyonema glabratum</i>	DQ917663.1	Basidiomycota	NON-AM
28	HQ256930	<i>Hohenbuehelia tristis</i>	DQ851573.1	Basidiomycota	NON-AM
221	HQ257123	<i>Hydropus marginellus</i>	DQ444856.1	Basidiomycota	NON-AM
223	HQ257125	<i>Hydropus marginellus</i>	DQ444856.1	Basidiomycota	NON-AM
65	HQ256967	<i>Inocybe aff. asterospora</i>	AY654889.1	Basidiomycota	NON-AM
131	HQ257033	<i>Inocybe aff. asterospora</i>	AY654889.1	Basidiomycota	NON-AM
167	HQ257069	<i>Lepiota cristata</i>	AJ237854.1	Basidiomycota	NON-AM
11	HQ256913	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM
17	HQ256919	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM
70	HQ256972	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM
81	HQ256983	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM
189	HQ257091	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM
215	HQ257117	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM
217	HQ257119	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM

Table S1 Continued.

OTU	OTU Accession	BLASTN Match	BLASTN Accession	Phylum	Phylogenetic Assignment
228	HQ257130	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM
232	HQ257134	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM
241	HQ257143	<i>Mycena galericulata</i>	DQ851576.1	Basidiomycota	NON-AM
124	HQ257026	<i>Panaeolus foenisecii</i>	DQ851578.1	Basidiomycota	NON-AM
144	HQ257046	<i>Panaeolus foenisecii</i>	DQ851578.1	Basidiomycota	NON-AM
154^	HQ257056	<i>Pleurotopsis longinqua</i>	DQ851580.1	Basidiomycota	Removed from data set
222	HQ257124	<i>Pleurotus eryngii</i>	FJ379286.1	Basidiomycota	NON-AM
115	HQ257017	<i>Sistotrema athelioides</i>	DQ898724.1	Basidiomycota	NON-AM
132	HQ257034	<i>Sistotrema athelioides</i>	DQ898724.1	Basidiomycota	NON-AM
145	HQ257047	<i>Sistotrema athelioides</i>	DQ898724.1	Basidiomycota	NON-AM
174	HQ257076	<i>Sistotrema athelioides</i>	DQ898724.1	Basidiomycota	NON-AM
180	HQ257082	<i>Sistotrema athelioides</i>	DQ898724.1	Basidiomycota	NON-AM
181	HQ257083	<i>Sistotrema efibulatum</i>	DQ898721.1	Basidiomycota	NON-AM
220	HQ257122	<i>Sistotrema efibulatum</i>	DQ898721.1	Basidiomycota	NON-AM
127	HQ257029	<i>Sistotrema octosporum</i>	DQ898722.1	Basidiomycota	NON-AM
9	HQ256911	<i>Thanatephorus cucumeris</i>	DQ917659.1	Basidiomycota	NON-AM
129	HQ257031	<i>Thanatephorus cucumeris</i>	DQ917659.1	Basidiomycota	NON-AM
172	HQ257074	<i>Thanatephorus cucumeris</i>	DQ917659.1	Basidiomycota	NON-AM
209	HQ257111	<i>Thanatephorus cucumeris</i>	DQ917659.1	Basidiomycota	NON-AM
30	HQ256932	<i>Trechispora alnicola</i>	AY657012.1	Basidiomycota	NON-AM
195	HQ257097	<i>Trechispora alnicola</i>	AY657012.1	Basidiomycota	NON-AM
242	HQ257144	<i>Trechispora alnicola</i>	AY657012.1	Basidiomycota	NON-AM
56	HQ256958	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
57	HQ256959	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
97	HQ256999	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
99	HQ257001	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
112	HQ257014	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
116	HQ257018	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
133	HQ257035	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
143	HQ257045	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
159	HQ257061	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
186	HQ257088	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
230	HQ257132	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	NON-AM
238^	HQ257140	<i>Olpidium brassicae</i>	NG017176.1	Chytridiomycota	Removed from data set
22	HQ256924	<i>Endogone lactiflua</i>	DQ536471.1	Zygomycota	NON-AM
43	HQ256945	<i>Endogone lactiflua</i>	DQ536471.1	Zygomycota	NON-AM
55	HQ256957	<i>Endogone lactiflua</i>	DQ536471.1	Zygomycota	NON-AM

Table S1 Continued.

OTU	OTU Accession	BLASTN Match	BLASTN Accession	Phylum	Phylogenetic Assignment
66	HQ256968	<i>Endogone lactiflua</i>	DQ536471.1	Zygomycota	NON-AM
122	HQ257024	<i>Endogone lactiflua</i>	DQ536471.1	Zygomycota	NON-AM
161	HQ257063	<i>Endogone lactiflua</i>	DQ536471.1	Zygomycota	NON-AM
24	HQ256926	<i>Endogone pisiformis</i>	NG017181.1	Zygomycota	NON-AM
87	HQ256989	<i>Endogone pisiformis</i>	NG017181.1	Zygomycota	NON-AM
91	HQ256993	<i>Endogone pisiformis</i>	NG017181.1	Zygomycota	NON-AM
92	HQ256994	<i>Endogone pisiformis</i>	NG017181.1	Zygomycota	NON-AM
111	HQ257013	<i>Endogone pisiformis</i>	NG017181.1	Zygomycota	NON-AM
237	HQ257139	<i>Endogone pisiformis</i>	NG017181.1	Zygomycota	NON-AM
190	HQ257092	<i>Monodictys arctica</i>	EU686519.1	Zygomycota	NON-AM
3	HQ256905	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
14	HQ256916	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
60	HQ256962	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
67	HQ256969	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
119	HQ257021	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
141	HQ257043	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
152	HQ257054	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
160	HQ257062	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
173	HQ257075	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
227	HQ257129	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
234	HQ257136	<i>Mortierella hyalina</i>	FJ590643.1	Zygomycota	NON-AM
39	HQ256941	<i>Mucor hiemalis</i>	FN666099.1	Zygomycota	NON-AM

*OTUs removed from the data set due to inconsistent phylogenetic assignment in the BLASTN and neighbor-joining analyses

^OTUs detected in samples removed from the data set after controlling for minimum sampling depth