

Table S1. Database of terminal restriction fragments (TRFs) and sequences for 269 fungal isolates from mature beech maple forests in Northeastern Ohio, USA.

Isolate ID	Isolate Access	Location	Source	Date Collected	Putative identity based on best UNITE database match			Terminal Restriction Fragment			
					Taxa Affinity	%ID	Access #	Database name	AluI 58A2F	HaeIII 58A2F	HaeIII NLB4
B0739	FM999657	Bole Woods	Sporocarp	8/24/2007	<i>Agaricus campestris</i>	97	FJ23223	<i>Agaricus campestris</i>	202	469	84
B0740	FM999675	Bole Woods	Sporocarp	8/24/2007	<i>Agaricus macrosporus</i>	99	AF432878	<i>Agaricus macrosporus</i>	160	184	84
S0752	FM999624	Stebbins	Sporocarp	8/27/2007	<i>Agaricus xanthodermus</i>	98	EU326208	<i>Agaricus sp 1</i>	297	187	84
S0784	FM999640	Stebbins	Sporocarp	10/6/2007	<i>Agaricus xanthodermus</i>	98	EU326208	<i>Agaricus sp 1</i>	296	187	84
S07136	FM999717	Stebbins	Sporocarp	10/22/2007	<i>Agaricus xanthodermus</i>	98	EU326208	<i>Agaricus sp 2</i>	204	187	84
S0701	NA	Stebbins	Sporocarp	8/13/2007	Did not sequence, repeat			<i>Agaricus sp 2</i>	202	185	84
S0705	NA	Stebbins	Sporocarp	8/15/2007	Did not sequence, repeat			<i>Agaricus sp 2</i>	202	185	84
S0702	NA	Stebbins	Sporocarp	8/13/2007	Did not sequence, repeat			<i>Agaricus sp 2</i>	202	185	84
S0703	FM999607	Stebbins	Sporocarp	8/13/2007	<i>Agaricus xanthodermus</i>	98	EU326208	<i>Agaricus sp 2</i>	202	185	84
S0755	FM999626	Stebbins	Sporocarp	8/27/2007	<i>Amanita flavipes</i>	98	AB015696	<i>Amanita flavipes</i>	139	553	551
S06J9	FM999547	Stebbins	Sporocarp	7/18/2006	<i>Amanita rubescens</i>	97	AJ889923	<i>Amanita flavipes</i>	139	553	550
S0722	FM999682	Stebbins	Sporocarp	8/23/2007	<i>Amanita flavipes</i>	98	AB015696	<i>Amanita flavipes</i>	137	551	549
S0729	FM999694	Stebbins	Sporocarp	8/27/2007	<i>Amanita rubescens</i>	98	EU19464	<i>Amanita rubescens 1</i>	231	553	549
S0741	FM999655	Stebbins	Sporocarp	8/27/2007	<i>Amanita ibotengutake</i>	93	AB211056	<i>Amanita sp 1</i>	198	584	580
S0739	FM999619	Stebbins	Sporocarp	8/27/2007	<i>Amanita longistriata</i>	93	AB015678	<i>Amanita sp 2</i>	196	180	366
S0724	FM999614	Stebbins	Sporocarp	8/23/2007	<i>Amanita rubescens</i>	92	AJ889923	<i>Amanita sp 3</i>	139	466	85
S07135	FM999716	Stebbins	Sporocarp	10/22/2007	<i>Amanita vaginata</i>	99	EU19489	<i>Amanita vaginata</i>	210	196	328
S0780	NA	Stebbins	Sporocarp	10/6/2007	Did not sequence, repeat			<i>Amanita virosa</i>	438	555	553
S0760	FM999697	Stebbins	Sporocarp	9/12/2007	<i>Amanita virosa</i>	98	EU909450	<i>Amanita virosa</i>	437	553	552
S07115	NA	Stebbins	Sporocarp	10/15/2007	Did not sequence, repeat			<i>Armillaria sp 1</i>	203	720	713
S07124	NA	Stebbins	Sporocarp	10/16/2007	Did not sequence, repeat			<i>Armillaria sp 1</i>	203	719	712
S07108	FM999651	Stebbins	Sporocarp	10/15/2007	<i>Armillaria gemina</i>	99	AY213558	<i>Armillaria sp 1</i>	203	720	714
S07102	NA	Stebbins	Sporocarp	10/9/2007	Did not sequence, repeat			<i>Armillaria sp 1</i>	202	719	712
S0754	FM999625	Stebbins	Sporocarp	8/27/2007	<i>Artomyces pyxidatus</i>	99	AF336145	<i>Artomyces pyxidatus</i>	459	249	91
B0613	FM999553	Bole Woods	Sporocarp	5/23/2006	<i>Artomyces pyxidatus</i>	98	AF336147	<i>Artomyces pyxidatus</i>	458	249	91
BC063531-18	FM999593	Bole Woods	Soil	9/1/2006	Uncultured ectomycorrhiza (Ph)	94	AY634154	Black Yeast, Putative Saprobe	226	159	90
S0712	FM999689	Stebbins	Sporocarp	8/15/2007	<i>Boletinus merulioides</i>	100	DQ200922	<i>Boletinus merulioides</i>	466	255	85
S07100	NA	Stebbins	Sporocarp	10/9/2007	Did not sequence, repeat			<i>Boletinus merulioides</i>	466	255	85
S0774	FM999701	Stebbins	Sporocarp	9/12/2007	<i>Boletus mirabilis</i>	98	EU597076	<i>Boletus mirabilis</i>	199	254	84
S0681	FM999554	Stebbins	Sporocarp	9/1/2006	<i>Boletus satanas</i>	95	UDB000419	<i>Boletus sp 2</i>	350	253	83
S06J4	FM999570	Stebbins	Sporocarp	7/18/2006	<i>Boletus queletii</i>	95	UDB000760	<i>Boletus sp 3</i>	204	189	84
SR06T3-171	FM999526	Stebbins	Root tip	9/21/2006	<i>Boletus pulverulentus</i>	97	UDB000408	<i>Boletus sp 4</i>	200	186	84
S0771	NA	Stebbins	Sporocarp	9/12/2007	Did not sequence, repeat			<i>Boletus sp 5</i>	372	262	84
B0759	FM999679	Bole Woods	Sporocarp	8/28/2007	<i>Boletus sp.</i>	92	EU569238	<i>Boletus sp 5</i>	370	261	84
S0742	FM999620	Stebbins	Sporocarp	8/27/2007	<i>Boletus violaceofuscus</i>	92	DQ131630	<i>Boletus sp 6</i>	197	183	81
S0730	FM999695	Stebbins	Sporocarp	8/27/2007	<i>Boletus edulis</i>	92	EU417874	<i>Boletus sp 7</i>	189	178	40
S0721	FM999613	Stebbins	Sporocarp	8/23/2007	<i>Calocera comea</i>	96	AY789083	<i>Calocera sp 1</i>	193	273	46
BR06T2-171	FM999534	Bole Woods	Root tip	9/20/2006	<i>Cenococcium geophilum</i>	92	Z48527	<i>Cenococcium sp 1</i>	378	243	81
BR06T3-51	FM999605	Bole Woods	Root tip	9/20/2006	<i>Cenococcium geophilum</i>	97	DQ474281	<i>Cenococcium sp 2</i>	28	366	81
SR06T3-161-1	FM999513	Stebbins	Root tip	9/21/2006	Clavulinaceae	98	AJ534708	<i>Clavulina sp 1</i>	199	203	292
SR06T3-161	NA	Stebbins	Root tip	9/21/2006	Clavulinaceae	98	AJ534708	<i>Clavulina sp 1</i>	199	203	292
SR06T3-161-4	FM999514	Stebbins	Root tip	9/21/2006	Clavulinaceae	98	AJ534708	<i>Clavulina sp 1</i>	198	203	292
S0748	NA	Stebbins	Sporocarp	8/27/2007	Did not sequence, repeat			<i>Clavulina sp. 2</i>	136	208	293
B0729	FM999654	Bole Woods	Sporocarp	8/22/2007	<i>Clavulina sp.</i>	99	DQ202266	<i>Clavulina sp. 2</i>	135	207	292
S07147	NA	Stebbins	Sporocarp	11/13/2007	Did not sequence, repeat			<i>Clitocybe nebularis</i>	201	473	84
S07123	FM999711	Stebbins	Sporocarp	10/16/2007	<i>Clitocybe nebularis</i>	100	DQ149728	<i>Clitocybe nebularis</i>	201	473	84
S07126	FM999713	Stebbins	Sporocarp	10/16/2007	<i>Clitocybe subditopoda</i>	91	EU697244	<i>Clitocybe sp 1</i>	154	468	84
S07127	FM999714	Stebbins	Sporocarp	10/16/2007	<i>Clitocybe subditopoda</i>	89	EU852800	<i>Clitocybe sp 1</i>	154	468	84
S07146	FM999690	Stebbins	Sporocarp	11/13/2007	<i>Collybia cirrhata</i>	95	AF274382	<i>Collybia sp 1</i>	114	269	290
S0797	FM999646	Stebbins	Sporocarp	10/9/2007	<i>Collybia tuberosa</i>	97	AF065124	<i>Collybia tuberosa</i>	142	269	290
S0728	FM999628	Stebbins	Sporocarp	8/23/2007	<i>Coprinopsis echinospora</i>	92	AB071801	<i>Coprinopsis sp 1</i>	434	462	84
S07134	FM999720	Stebbins	Sporocarp	10/16/2007	<i>Coprinus fissolatus</i>	95	AF345812	<i>Coprinus sp 1</i>	143	462	84
SR06T3-21-5	FM999508	Stebbins	Root tip	9/21/2006	<i>Cortinarius acutus</i>	93	AF325578	<i>Cortinarius sp 1</i>	193	547	533
S0769	FM999698	Stebbins	Sporocarp	9/12/2007	<i>Cortinarius sp.</i>	96	DQ365639	<i>Cortinarius sp 2</i>	142	187	370
S0783	NA	Stebbins	Sporocarp	10/6/2007	Did not sequence, repeat			<i>Cortinarius sp 2</i>	142	187	370
BC063531-28	FM999601	Bole Woods	Soil	9/1/2006	<i>Cryptococcus terricola</i>	100	AF444377	<i>Cryptococcus terricola</i>	206	293	40
BC063531-2	FM999587	Bole Woods	Soil	9/1/2006	<i>Cystofilobasidium capitatum</i>	99	AF444300	<i>Cystofilobasidium capitatum</i>	222	291	40
BC063531-19	FM999594	Bole Woods	Soil	9/1/2006	<i>Helictiales sp.</i>	96	EF093148	Dark Septate Endophyte 1	134	248	89
BC063531-4	FM999588	Bole Woods	Soil	9/1/2006	uncultured fungus	99	DQ093748	Decaying Root Fungus 1	553	553	548
BC063531-10	FM999590	Bole Woods	Soil	9/1/2006	uncultured cf. <i>Tricholoma sp.</i>	98	AY254876	Decaying Root Fungus 2	435	225	83
S07125	FM999712	Stebbins	Sporocarp	10/16/2007	<i>Nolanea sericea</i>	90	AF357021	<i>Entoloma sp 1</i>	197	553	551
S0602	FM999560	Stebbins	Sporocarp	5/22/2006	<i>Nolanea sericea</i>	91	AF357021	<i>Entoloma sp 1</i>	197	554	552
BR06T3-81	FM999545	Bole Woods	Root tip	9/20/2006	<i>Entoloma sp.</i>	93	UDB000937	<i>Entoloma sp 2</i>	158	189	552
S0630-21	FM999573	Stebbins	Sporocarp	5/23/2006	<i>Flammula alnicola</i>	97	AF195588	<i>Flammula alnicola</i>	143	187	84
S0717	FM999612	Stebbins	Sporocarp	8/23/2007	Uncultured ectomycorrhiza	98	DQ377440	Funnel Shape Fungi 1	198	563	560
S0779	FM999638	Stebbins	Sporocarp	10/6/2007	<i>Galerina autumnalis</i>	97	AY281020	<i>Galerina autumnalis</i>	450	279	84
S07149	NA	Stebbins	Sporocarp	12/12/2007	Did not sequence, repeat			<i>Galerina autumnalis</i>	450	279	84
S07144	NA	Stebbins	Sporocarp	11/13/2007	Did not sequence, repeat			<i>Galerina autumnalis</i>	450	279	84
S0782	FM999639	Stebbins	Sporocarp	10/6/2007	<i>Galeropsis desertorum</i>	99	AY194534	<i>Galeropsis desertorum</i>	153	187	84
SR06T1-14-4	FM999498	Stebbins	Root tip	9/14/2006	<i>Gymnopus dryophilus</i>	99	AF505787	<i>Gymnopus dryophilus 1</i>	143	353	292
S0807	FM999674	Stebbins	Sporocarp	7/14/2008	<i>Gymnopus dryophilus</i>	99	DQ480100	<i>Gymnopus dryophilus 2</i>	140	170	685
S0801	FM999670	Stebbins	Sporocarp	6/2/2008	<i>Gymnopus junquilleus</i>	99	AY256693	<i>Gymnopus junquilleus</i>	144	693	686
B0601	FM999722	Bole Woods	Sporocarp	5/23/2006	<i>Gymnopus dryophilus</i>	99	AF505787	<i>Gymnopus sp 1</i>	419	178	142
S0607	FM999564	Stebbins	Sporocarp	5/22/2006	Did not sequence, repeat			<i>Gymnopus sp 1</i>	419	178	142
B0704	FM999692	Bole Woods	Sporocarp	7/30/2007	<i>Gymnopus dichrous</i>	95	AF505766	<i>Gymnopus sp 2</i>	295	648	38
S0630-2	FM999563	Stebbins	Sporocarp	5/23/2006	<i>Gymnopus dryophilus</i>	99	AF505787	<i>Gymnopus sp 3</i>	142	28	0
S0772	FM999636	Stebbins	Sporocarp	9/12/2007	<i>Gyroporus castaneus</i>	97	UDB000651	<i>Gyroporus castaneus</i>	222	300	40
BC063531-17	FM999592	Bole Woods	Soil	9/1/2006	<i>Diaporthe phaseolorum</i>	98	EF594044	Hemlock Mycorrhizal Root	381	496	498
S0770	FM999699	Stebbins	Sporocarp	9/12/2007	<i>Hericium erinaceum</i>	98	DQ185926	<i>Hericium erinaceum</i>	448	475	84
SR06T3-22-3	FM999511	Stebbins	Root tip	9/21/2006	Uncultured ectomycorrhizal	99	AB219151	<i>Hyphodiscus sp 1</i>	384	175	241
S07145	FM999664	Stebbins	Sporocarp	11/13/2007	<i>Hypholoma sublateritium</i>	99	AY181349	<i>Hypholoma sublateritium</i>	206	477	84
S07142	FM999718	Stebbins	Sporocarp	11/13/2007	<i>Inocybe johannae</i>	99	EU326177	<i>Inocybe johannae</i>	222-382	292	496
S0756	FM999627	Stebbins	Sporocarp	8/27/2007	<i>Inocybe rimosa</i>	96	EU523562	<i>Inocybe sp 1</i>	228	543	541
S07120	FM999652	Stebbins	Sporocarp	10/16/2007	<i>Inocybe sp.</i>	87	DQ974806	<i>Inocybe sp 2</i>	418	436	84
S07110	FM999706	Stebbins	Sporocarp	10/15/2007	<i>Inocybe cervicolor</i>	98	AM882939	<i>Inocybe sp 2</i>	418	439	84
S07107	FM999707	Stebbins	Sporocarp	10/9/2007	<i>Inocybe quietiodor</i>	93	AM882961	<i>Inocybe sp 3</i>	289	266	84
S07117	NA	Stebbins	Sporocarp	10/16/2007	Did not sequence, repeat			<i>Inocybe sp 4</i>	208	544	540
S0747	FM999696	Stebbins	Sporocarp	8/27/2007	<i>Inocybe sp.</i>	92	DQ822813	<i>Inocybe sp 4</i>	206	543	539
S0609	FM999572	Stebbins	Sporocarp	5/22/2006	<i>Kuehneromyces mutabilis</i>	93	AF345807	<i>Kuehneromyces 1</i>	143	475	84
S07128	NA	Stebbins	Sporocarp	10/16/2007	Did not sequence, repeat			<i>Laccaria sp 1</i>	152	559	555
S0790	FM999642	Stebbins	Sporocarp	10/6/2007	<i>Laccaria bicolor</i>	94	AF006598	<i>Laccaria sp 1</i>	152	560	556

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S0765	FM999634	Stebbins	Sporocarp	9/12/2007	<i>Laccaria proxima</i>	94	UDB001588	<i>Laccaria</i> sp 1	151	560	556
S0743	FM999621	Stebbins	Sporocarp	8/27/2007	<i>Laccaria amethystina</i>	96	AM113955	<i>Laccaria</i> sp 2	142	562	559
S0762	FM999632	Stebbins	Sporocarp	9/12/2007	<i>Laccaria laccata</i>	97	UDB000104	<i>Laccaria</i> sp 2	141	561	558
BR06T3-17-B3	FM999542	Bole Woods	Root tip	6/21/2006	<i>Lactarius fluens</i>	97	AJ889961	<i>Lactarius</i> sp 1	220	183	ND
BR06T3-17-C1	FM999543	Bole Woods	Root tip	6/21/2006	<i>Lactarius fluens</i>	96	AJ889961	<i>Lactarius</i> sp 1	220	183	ND
B0754	FM999659	Bole Woods	Sporocarp	8/28/2007	<i>Lactarius longisporus</i>	90	DQ421971	<i>Lactarius</i> sp 2	212	194	36
S0789	FM999641	Stebbins	Sporocarp	10/6/2007	<i>Lepista saeva</i>	99	AF241522	<i>Lepista saeva</i>	142	476	84
B0809	FM999669	Bole Woods	Sporocarp	9/17/2008	<i>Lepista saeva</i>	99	AF241522	<i>Lepista saeva</i>	142	475	83
S0788	FM999703	Stebbins	Sporocarp	10/6/2007	<i>Lepista saeva</i>	99	AF241522	<i>Lepista saeva</i>	ND	476	84
S0725	FM999719	Stebbins	Sporocarp	8/23/2007	<i>Leucogargaricus crystallifer</i>	88	AF482863	<i>Leucogargaricus</i> sp 1	201	553	551
B07141	NA	Bole Woods	Sporocarp	11/1/2007	<i>Leucopaxillus tricolor</i>	99	EU819413	<i>Leucopaxillus tricolor</i>	200	505	505
S07122	NA	Stebbins	Sporocarp	10/16/2007	Did not sequence, repeat			<i>Leucophleps</i> sp 1	200	637	631
S07114	FM999710	Stebbins	Sporocarp	10/15/2007	<i>Leucophleps spinispora</i>	88	AY621794	<i>Leucophleps</i> sp 1	200	637	631
S0704	FM999608	Stebbins	Sporocarp	8/15/2007	<i>Lycoperdon perlatum</i>	98	DQ112630	<i>Lycoperdon perlatum</i>	141	564	561
B0807	FM999681	Bole Woods	Sporocarp	9/17/2008	<i>Lycoperdon perlatum</i>	99	DQ112630	<i>Lycoperdon perlatum</i>	140	562	560
S0734	FM999616	Stebbins	Sporocarp	8/27/2007	<i>Macrolepiota sp.</i>	99	AY243592	<i>Macrolepiota</i> sp 1	199	183	84
S07116	NA	Stebbins	Sporocarp	10/16/2007	Did not sequence, repeat			<i>Macrolepiota</i> sp 1	199	183	84
B0757	FM999677	Bole Woods	Sporocarp	8/28/2007	<i>Macrolepiota sp.</i>	98	AY243592	<i>Macrolepiota</i> sp 2	200	184	ND
S0791	FM999643	Stebbins	Sporocarp	10/9/2007	<i>Marasmius oreades</i>	90	DQ490641	<i>Marasmius</i> sp 1	142	598	38
B06P119	FM999555	Bole Woods	Sporocarp	9/1/2006	<i>Megacollybia platyphylla</i>	99	DQ249275	<i>Megacollybia</i> sp 1	434	550	548
B0722	FM999663	Bole Woods	Sporocarp	8/22/2007	<i>Megacollybia rodmani</i>	99	EU623762	<i>Megacollybia</i> sp 1	432	548	545
SR06T2-92-1	FM999517	Stebbins	Root tip	9/14/2006	<i>Meliniomyces bicolor</i>	93	EF093183	<i>Meliniomyces</i> sp. 1	142	169	80
SR06T2-92-4	FM999518	Stebbins	Root tip	9/14/2006	<i>Meliniomyces bicolor</i>	93	EF093183	<i>Meliniomyces</i> sp. 1	142	169	80
SR06T3-51-6	FM999503	Stebbins	Root tip	9/21/2006	<i>Meliniomyces bicolor</i>	94	EF093183	<i>Meliniomyces</i> sp 2	378	170	320
SR06T1-5-8	FM999580	Stebbins	Root tip	9/1/2006	<i>Meliniomyces bicolor</i>	95	EF093183	<i>Meliniomyces</i> sp. 2	379	170	320
B07102cr	FM999665	Bole Woods	Sporocarp	10/6/2007	<i>Morganella pyriformis</i>	99	DQ112557	<i>Morganella pyriformis</i>	144	188	369
S0785	NA	Stebbins	Sporocarp	10/6/2007	Did not sequence, repeat			<i>Morganella pyriformis</i>	143	189	369
S06Log	FM999559	Stebbins	Sporocarp	9/1/2006	<i>Morganella pyriformis</i>	99	DQ112557	<i>Morganella pyriformis</i>	143	185	369
S0711	FM999609	Stebbins	Sporocarp	8/15/2007	<i>Mycena septentrionalis</i>	98	UDB001611	<i>Mycena</i> sp 1	142	564	560
B0614	FM999566	Bole Woods	Sporocarp	5/23/2006	<i>Mycena septentrionalis</i>	99	UDB001611	<i>Mycena</i> sp 1	142	545	561
S07111	FM999708	Stebbins	Sporocarp	10/15/2007	<i>Mycena hudsoniana</i>	95	EU846300	<i>Mycena</i> sp 2	457	487	84
S07138	NA	Stebbins	Sporocarp	10/29/2007	Did not sequence, repeat			<i>Mycena</i> sp 2	457	487	84
B0804	FM999686	Bole Woods	Sporocarp	5/19/2008	<i>Mycena</i> sp.	97	AY805615	<i>Mycena</i> sp 3	154	560	560
B0803	FM999685	Bole Woods	Sporocarp	5/19/2008	<i>Mycena cf. vitilis F15193</i>	97	DQ384588	<i>Mycena</i> sp 3	154	560	560
S0777	FM999637	Stebbins	Sporocarp	9/18/2007	<i>Oudemansiella radicata</i>	97	AF321495	<i>Oudemansiella radicata</i>	144	640	634
S0733	FM999615	Stebbins	Sporocarp	8/27/2007	<i>Panaeolus sphinctrinus</i>	90	DQ182503	<i>Panaeolus</i> sp 1	444	183	375
B0802	FM999684	Bole Woods	Sporocarp	5/19/2008	<i>Peziza phyllogena</i>	94	AY789329	<i>Peziza</i> sp 1	209	467	88
S07132	NA	Stebbins	Sporocarp	10/16/2007	Identified from sporocarp only			<i>Phallus impudicus</i>	450	144	40
SR06T1-12-1	FM999494	Stebbins	Root tip	9/14/2006	<i>Piloderma lanatum</i>	98	DQ469288	<i>Piloderma</i> sp 1	163	461	85
B0712	FM999662	Bole Woods	Sporocarp	8/16/2007	<i>Pleurotus sapidus</i>	98	AY540327	<i>Pleurotus sapidus</i>	292	461	84
S0608	FM999557	Stebbins	Sporocarp	5/22/2006	<i>Pluteus petasatus</i>	92	AF085495	<i>Pluteus</i> sp 1	195	185	351
S0604	FM999562	Stebbins	Sporocarp	5/22/2006	<i>Pluteus petasatus</i>	92	AF085495	<i>Pluteus</i> sp 1	194	185	351
B0701	NA	Bole Woods	Sporocarp	7/27/2007	Did not sequence, repeat			<i>Pluteus</i> sp 1	193	183	351
S07106	FM999650	Stebbins	Sporocarp	10/9/2007	<i>Pluteus cervinus</i>	97	EU486448	<i>Pluteus</i> sp 1	191	185	351
S0792	FM999644	Stebbins	Sporocarp	10/9/2007	<i>Pluteus cervinus</i>	96	EU486448	<i>Pluteus</i> sp 2	196	186	91
S07105	FM999649	Stebbins	Sporocarp	10/9/2007	<i>Polyporus badius</i>	100	AF516559	<i>Polyporus badius</i>	216	480	84
S0761	FM999631	Stebbins	Sporocarp	9/12/2007	<i>Polyporus radicans</i>	99	AF516585	<i>Polyporus radicans</i>	219	331	219
S0803	FM999672	Stebbins	Sporocarp	6/16/2008	<i>Polyporus varius</i>	99	AF516580	<i>Polyporus</i> sp 1	220	466	84
S07119	NA	Stebbins	Sporocarp	10/16/2007	Did not sequence, repeat			<i>Polyporus</i> sp 1	219	466	84
S0799	NA	Stebbins	Sporocarp	10/9/2007	Did not sequence, repeat			<i>Polyporus</i> sp 1	217	466	84
B0611	FM999565	Bole Woods	Sporocarp	5/23/2006	<i>Polyporus tuberaster</i>	96	AF516599	<i>Polyporus</i> sp 1	218	466	84
S0805	FM999687	Stebbins	Sporocarp	7/14/2008	<i>Psathyrella fagetophila</i>	99	AM712263	<i>Psathyrella fagetophila</i>	488	187	416
S0603	FM999561	Stebbins	Sporocarp	5/22/2006	<i>Psathyrella cf.</i>	94	AY228352	<i>Psathyrella</i> sp 1	168	467	467
B0602	FM999574	Bole Woods	Sporocarp	5/23/2006	<i>Psathyrella cf.</i>	93	AY228352	<i>Psathyrella</i> sp 1	168	467	467
S0606	FM999571	Stebbins	Sporocarp	5/22/2006	<i>Psathyrella cf.</i>	94	AY228352	<i>Psathyrella</i> sp 2	168	467	41
S0716	FM999611	Stebbins	Sporocarp	8/23/2007	<i>Psathyrella gossypina</i>	98	AM712294	<i>Psathyrella</i> sp 3	209	468	84
S07103	FM999648	Stebbins	Sporocarp	10/9/2007	<i>Psathyrella gossypina</i>	98	AM712294	<i>Psathyrella</i> sp 3	209	468	84
S0768	FM999635	Stebbins	Sporocarp	9/12/2007	<i>Psathyrella gossypina</i>	95	AM712294	<i>Psathyrella</i> sp 3	209	468	84
S0802	FM999671	Stebbins	Sporocarp	6/16/2008	<i>Psathyrella gossypina</i>	99	AM712294	<i>Psathyrella</i> sp 3	207	466	84
BC063531-32	FM999602	Bole Woods	Soil	9/1/2006	mycorrhizal ascomycete	93	AB089663	Putative Parasitic Fungus	276	402	88
SR06T1-5-11	FM999582	Stebbins	Root tip	9/1/2006	<i>Rhizoscyphus ericae</i>	94	AM084703	<i>Rhizoscyphus</i> sp 1	379	169	320
SR06T3-51-5	FM999502	Stebbins	Root tip	9/21/2006	<i>Rhizoscyphus ericae</i>	94	AM084704	<i>Rhizoscyphus</i> sp 1	378	169	320
B0703	NA	Bole Woods	Sporocarp	7/30/2007	Did not sequence, repeat			<i>Rhodocollybia butyracea</i>	143	695	689
B0808	FM999668	Bole Woods	Sporocarp	9/17/2008	<i>Rhodocollybia butyracea</i>	99	EU486454	<i>Rhodocollybia butyracea</i>	141	692	686
BC063531-35	FM999603	Bole Woods	Soil	9/1/2006	mycorrhizal ascomycete	93	AB089663	Root Associated Ascomycota	135	488	487
S0763	FM999633	Stebbins	Sporocarp	9/12/2007	<i>Russula chloroides</i>	98	AF418604	<i>Russula chloroides</i>	206	516	85
BR06T1-22-5	FM999500	Bole Woods	Root tip	9/11/2006	<i>Russula melzeri</i>	95	AY061691	<i>Russula</i> sp 1	220	313	84
S0726	NA	Stebbins	Sporocarp	8/23/2007	Did not sequence, repeat			<i>Russula</i> sp 1	218	311	84
S0737	NA	Stebbins	Sporocarp	8/27/2007	Did not sequence, repeat			<i>Russula</i> sp 10	205	525	84
S0749	FM999623	Stebbins	Sporocarp	8/27/2007	<i>Russula xerampelina</i> var.	91	DQ367916	<i>Russula</i> sp 10	205	525	84
S07129	NA	Stebbins	Sporocarp	10/16/2007	Did not sequence, repeat			<i>Russula</i> sp 10	205	525	84
C0602	FM999567	Carver Pond	Sporocarp	9/1/2006	<i>Russula rosea</i>	96	AY061715	<i>Russula</i> sp 2	293	222	84
S07130	FM999715	Stebbins	Sporocarp	10/16/2007	<i>Russula brunneoviolacea</i>	92	AM113956	<i>Russula</i> sp 3	210	526	84
S07101	FM999647	Stebbins	Sporocarp	10/9/2007	<i>Russula brunneoviolacea</i>	91	AM113956	<i>Russula</i> sp 3	209	526	84
S0758	FM999630	Stebbins	Sporocarp	8/27/2007	<i>Russula brunneoviolacea</i>	94	AM113956	<i>Russula</i> sp 3	209	526	84
SR06T2-141-2	FM999504	Stebbins	Root tip	9/21/2006	<i>Russula nigricans</i>	93	AY228357	<i>Russula</i> sp 4	205	490	92
SR06T2-141	NA	Stebbins	Root tip	9/21/2006	<i>Russula nigricans</i>	94	AY228357	<i>Russula</i> sp 4	205	490	92
B0737	FM999656	Bole Woods	Sporocarp	8/24/2007	<i>Russula ingwa</i>	97	EU019919	<i>Russula</i> sp 4	204	490	91
SR06T2-141-4	FM999506	Stebbins	Root tip	9/21/2006	<i>Russula nigricans</i>	94	AY228357	<i>Russula</i> sp 4	204	491	91
SR06T2-141-3	FM999505	Stebbins	Root tip	9/21/2006	<i>Russula nigricans</i>	94	AY228357	<i>Russula</i> sp 4	204	491	91
S0794	NA	Stebbins	Sporocarp	10/9/2007	Did not sequence, repeat			<i>Russula</i> sp 5	211	531	84
SR06T3-22-2	FM999510	Stebbins	Root tip	9/21/2006	<i>Russula</i> sp.	94	AJ534905	<i>Russula</i> sp 5	211	532	84
BR06T1-91-3	FM999515	Bole Woods	Root tip	9/11/2006	<i>Russula</i> sp.	94	AJ534905	<i>Russula</i> sp 5	210	530	84
BR06T1-91-4	FM999516	Bole Woods	Root tip	9/11/2006	<i>Russula</i> sp.	93	AJ534905	<i>Russula</i> sp 5	210	530	84
S0793	FM999704	Stebbins	Sporocarp	10/9/2007	<i>Russula</i> sp.	96	AJ534905	<i>Russula</i> sp 5	210	531	600
S0795	NA	Stebbins	Sporocarp	10/9/2007	Did not sequence, repeat			<i>Russula</i> sp 5	210	531	84
SR06T3-22	NA	Stebbins	Root tip	9/21/2006	<i>Russula</i> sp.	94	AJ534905	<i>Russula</i> sp 5	210	531	84
SR06T2-111	FM999531	Stebbins	Root tip	9/21/2006	<i>Russula</i> sp.	94	AJ534905	<i>Russula</i> sp 5	210	531	84
BR06T2-12-A2	FM999538	Bole Woods	Root tip	6/12/2006	<i>Russula</i> sp.	93	AJ534905	<i>Russula</i> sp 5	210	529	84
BR06T2-12-A4	FM999539	Bole Woods	Root tip	6/12/2006	<i>Russula</i> sp.	93	AJ534905	<i>Russula</i> sp 5	210	529	84
SR06T2-2-B2	FM999541	Stebbins	Root tip	6/8/2006	<i>Russula</i> sp.	93	AJ534905	<i>Russula</i> sp 5	210	530	84
SR06T3-22-5	FM999512	Stebbins	Root tip	9/21/2006	<i>Russula</i> sp.	94	AJ534905	<i>Russula</i> sp 5	209	530	85
S0775	NA	Stebbins	Sporocarp	9/12/2007	Did not sequence, repeat			<i>Russula</i> sp 6	216	520	84
B06T2-1	FM999604	Bole Woods	Sporocarp	9/11/2006	<i>Russula</i> sp.	94	AJ534905	<i>Russula</i> sp 6	215	520	84

Table S1. Database of terminal restriction fragments (TRFs) and sequences for 269 fungal isolates from mature beech maple forests in Northeastern Ohio, USA.

S0787	FM999702	Stebbins	Sporocarp	10/6/2007	<i>Russula</i> sp.	98	DQ974761	<i>Russula</i> sp 7	209	194	84
D0601	FM999568	Collected by De	Sporocarp	9/1/2006	<i>Russula</i> sp. FH BB.ES	99	DQ777993	<i>Russula</i> sp 7	209	192	91
S0776	NA	Stebbins	Sporocarp	9/12/2007	Did not sequence, repeat			<i>Russula</i> sp 7	208	191	84
S0757	FM999683	Stebbins	Sporocarp	8/27/2007	<i>Russula vesca</i>	99	DQ422018	<i>Russula</i> sp 7	207	191	84
S0764	NA	Stebbins	Sporocarp	9/12/2007	Did not sequence, repeat			<i>Russula</i> sp 7	207	191	84
S0706	NA	Stebbins	Sporocarp	8/15/2007	Did not sequence, repeat			<i>Russula</i> sp 8	454	192	84
S0753	NA	Stebbins	Sporocarp	8/27/2007	Did not sequence, repeat			<i>Russula</i> sp 8	453	191	84
S06J1	FM999569	Stebbins	Sporocarp	7/18/2006	<i>Russula ilicis</i>	88	AY061682	<i>Russula</i> sp 8	452	190	91
S0709	NA	Stebbins	Sporocarp	8/15/2007	Did not sequence, repeat			<i>Russula</i> sp 8a	455	482	84
S07104	NA	Stebbins	Sporocarp	10/9/2007	Did not sequence, repeat			<i>Russula</i> sp 9	216	475	91
S0708	NA	Stebbins	Sporocarp	8/15/2007	Did not sequence, repeat			<i>Russula</i> sp 9	216	473	91
S0745	NA	Stebbins	Sporocarp	8/27/2007	Did not sequence, repeat			<i>Russula</i> sp 9	216	473	91
S0759	NA	Stebbins	Sporocarp	8/27/2007	Did not sequence, repeat			<i>Russula</i> sp 9	215	473	91
S0744	FM999622	Stebbins	Sporocarp	8/27/2007	<i>Russula mariae</i>	96	EU598199	<i>Russula</i> sp 9	215	473	91
B06T1-68-1	NA	Bole Woods	Sporocarp	9/11/2006	<i>Russula violeipes</i>	93	AY061726	<i>Russula</i> sp 9	215	473	91
B06T1-68-2	FM999501	Bole Woods	Sporocarp	9/11/2006	<i>Russula violeipes</i>	93	AY061726	<i>Russula</i> sp 9	215	475	91
B0758	FM999676	Bole Woods	Sporocarp	8/28/2007	<i>Russula nitida</i>	88	EU598164	<i>Russula</i> sp 9	214	472	90
BC063531-27	FM999600	Bole Woods	Soil	9/1/2006	<i>Russula violeipes</i>	95	AY061726	<i>Russula</i> sp 9	214	472	91
BC063531-7	FM999589	Bole Woods	Soil	9/1/2006	<i>Russula violeipes</i>	93	AY061726	<i>Russula</i> sp 9	214	473	91
BC063531-23	FM999598	Bole Woods	Soil	9/1/2006	<i>Russula violeipes</i>	93	AY061726	<i>Russula</i> sp 9	214	472	91
B0801	FM999680	Bole Woods	Sporocarp	5/19/2008	<i>Schizophyllum commune</i>	99	AF348142	<i>Schizophyllum commune</i>	201	501	84
BR06T2-11	FM999544	Bole Woods	Root tip	9/11/2006	<i>Scleroderma</i> sp.	98	EF517491	<i>Scleroderma</i> sp 1	378	53	273
L0701	FM999606	Latern Court	Sporocarp	11/8/2007	<i>Scleroderma</i>	91	AB099900	<i>Scleroderma</i> sp 2	162	250	ND
S0720	FM999693	Stebbins	Sporocarp	8/23/2007	<i>Scleroderma laeve</i>	99	EU718117	<i>Scleroderma</i> sp 3	160	256	ND
S0714	FM999610	Stebbins	Sporocarp	8/15/2007	<i>Scleroderma cepa</i>	97	DQ453694	<i>Scleroderma</i> sp 3	160	256	ND
SR06T2-18-2	FM999577	Stebbins	Root tip	9/1/2006	Sebacinaceae-beech interface	97	AM161532	<i>Sebacina</i> 1	285	274	271
SR06T2-18-5	FM999585	Stebbins	Root tip	9/1/2006	Sebacinaceae	98	DQ420629	<i>Sebacina</i> 1	285	274	271
SR06T2-18-3	FM999576	Stebbins	Root tip	9/1/2006	Sebacinaceae-beech interface	97	AM161532	<i>Sebacina</i> 1	284	274	271
BR06T1-15	FM999525	Bole Woods	Root tip	9/11/2006	<i>Solenopezia solenia</i>	91	U57991	<i>Solenopezia</i> sp 1	376	169	319
B06B3	FM999721	Bole Woods	Sporocarp	7/1/2006	<i>Strobilomyces floccopus</i>	100	AY854068	<i>Strobilomyces floccopus</i>	165	235	ND
BR06T3-32	FM999535	Bole Woods	Root tip	9/20/2006	<i>Strobilomyces confusus</i>	90	DQ407254	<i>Strobilomyces</i> sp 1	333	240	47
S07143	NA	Stebbins	Sporocarp	11/13/2007	Did not sequence, repeat			<i>Tephroclype</i> sp 1	143	555	552
S0796	FM999645	Stebbins	Sporocarp	10/9/2007	<i>Tephroclype boudieri</i>	93	AF357074	<i>Tephroclype</i> sp 1	142	555	551
SR06T1-12-6	FM999496	Stebbins	Root tip	9/14/2006	<i>Thelephoraceae</i>	95	AJ893339	<i>Tomentella</i> sp 1	160	92	379
SR06T1-12-4	FM999495	Stebbins	Root tip	9/14/2006	<i>Thelephoraceae</i>	95	AJ893339	<i>Tomentella</i> sp 1	159	92	379
SR06T1-14	NA	Stebbins	Root tip	9/14/2006	<i>Thelephoraceae</i>	95	AJ893339	<i>Tomentella</i> sp 1	159	90	387
SR06T1-12	NA	Stebbins	Root tip	9/14/2006	<i>Thelephoraceae</i>	95	AJ893339	<i>Tomentella</i> sp 1	159	92	387
SR06T3-21-6	FM999509	Stebbins	Root tip	9/21/2006	<i>Thelephoraceae</i>	95	AJ893339	<i>Tomentella</i> sp 1	158	92	381
SR06T3-21-4	FM999507	Stebbins	Root tip	9/21/2006	<i>Thelephoraceae</i>	95	AJ893339	<i>Tomentella</i> sp 1	158	92	382
SR06T1-14-2	FM999497	Stebbins	Root tip	9/14/2006	<i>Thelephoraceae</i>	95	AJ893339	<i>Tomentella</i> sp 1	158	89	379
SR06T1-14-5	FM999499	Stebbins	Root tip	9/14/2006	<i>Thelephoraceae</i>	95	AJ893339	<i>Tomentella</i> sp 1	158	89	383
SR06T2-18-7	FM999584	Stebbins	Root tip	9/1/2006	<i>Thelephoraceae</i>	97	DQ420630	<i>Tomentella</i> sp 2	159	183	83
SR06T2-19-2	FM999519	Stebbins	Root tip	9/21/2006	<i>Thelephoraceae</i>	97	DQ420630	<i>Tomentella</i> sp 2	158	183	83
SR06T2-19-3	FM999520	Stebbins	Root tip	9/21/2006	<i>Thelephoraceae</i>	98	DQ420630	<i>Tomentella</i> sp 2	158	183	83
SR06T2-18-9	FM999586	Stebbins	Root tip	9/1/2006	<i>Thelephoraceae</i>	95	DQ420630	<i>Tomentella</i> sp 2	158	183	83
SR06T2-192	NA	Stebbins	Root tip	9/21/2006	<i>Thelephoraceae</i>	97	DQ420630	<i>Tomentella</i> sp 2	158	183	83
SR06T2-192-4	FM999521	Stebbins	Root tip	9/21/2006	<i>Tomentella</i> sp.	93	AJ534912	<i>Tomentella</i> sp 2	157	183	83
BR06T1-201	FM999530	Bole Woods	Root tip	9/11/2006	<i>Tomentella</i> sp.	97	AJ534915	<i>Tomentella</i> sp 3	158	183	83
BR06T1-191	FM999532	Bole Woods	Root tip	9/11/2006	<i>Tomentella</i> sp.	96	AJ534915	<i>Tomentella</i> sp 3	158	183	83
SR06T1-13	FM999524	Stebbins	Root tip	9/14/2006	<i>Thelephoraceae</i>	97	DQ420630	<i>Tomentella</i> sp 4	158	183	389
BR06T2-131	FM999533	Bole Woods	Root tip	9/20/2006	<i>Tomentella</i> sp.	93	AJ534912	<i>Tomentella</i> sp 4	158	183	388
SR06T2-3-A1	FM999537	Stebbins	Root tip	6/8/2006	<i>Tomentella subilacina</i>	98	DQ482017	<i>Tomentella</i> sp 5	159	183	83
BR06T1-11	FM999523	Bole Woods	Root tip	9/11/2006	<i>Tomentella subilacina</i>	98	DQ482017	<i>Tomentella</i> sp 5	158	183	83
BR06T1-51	FM999528	Bole Woods	Root tip	9/11/2006	<i>Tomentella subilacina</i>	98	DQ482017	<i>Tomentella</i> sp 5	158	183	83
BR06T3-17-B4	FM999549	Bole Woods	Root tip	6/21/2006	<i>Tomentella</i> sp.	94	U83482	<i>Tomentella</i> sp 6	159	183	83
BR06T3-18-A1	FM999551	Bole Woods	Root tip	6/21/2006	<i>Tomentella</i> sp.	94	U83482	<i>Tomentella</i> sp 6	159	183	83
SR06T3-21	NA	Stebbins	Root tip	9/21/2006	<i>Thelephoraceae</i>	95	AJ893339	<i>Tomentella</i> sp 7	195	204	116
SR06T3-181	FM999527	Stebbins	Root tip	9/21/2006	<i>Thelephorales</i> sp.	95	DQ195591	<i>Tomentella</i> sp 8	158	353	356
BR06T3-31	FM999575	Bole Woods	Root tip	9/20/2006	<i>Trechispora farinacea</i>	86	AF347089	<i>Trechispora</i> sp 1	435	539	538
C0601	FM999556	Carver Pond	Sporocarp	9/1/2006	<i>Tremellodendron pallidum</i>	99	AF384862	<i>Tremellodendron pallidum</i>	293	283	217
B0609	FM999558	Bole Woods	Sporocarp	7/25/2006	<i>Tremellodendron pallidum</i>	99	AF384862	<i>Tremellodendron pallidum</i>	292	281	216
S07148	FM999691	Stebbins	Sporocarp	12/12/2007	<i>Tubaria praestans</i>	100	DQ987911	<i>Tubaria praestans</i>	153	557	555
BR06T3-163	FM999536	Bole Woods	Root tip	9/20/2006	<i>Tuber</i> sp.	94	AJ969615	<i>Tuber</i> sp. 1	288	209	38
S0738	FM999629	Stebbins	Sporocarp	8/27/2007	Uncultured fungus	89	EF434125	Uncultured fungus	416	186	334
SR06T1-5-2	FM999578	Stebbins	Root tip	9/1/2006	Uncultured mycorrhizal fungus	97	EF195594	Uncultured mycorrhizal fungus 1	277	554	549
SR06T1-5-15	FM999583	Stebbins	Root tip	9/1/2006	Uncultured mycorrhizal fungus	97	EF195594	Uncultured mycorrhizal fungus 1	277	554	548
SR06T1-5-6	FM999579	Stebbins	Root tip	9/1/2006	Uncultured mycorrhizal fungus	97	EF195594	Uncultured mycorrhizal fungus 2	554	554	549
SR06T1-5-10	FM999581	Stebbins	Root tip	9/1/2006	Uncultured mycorrhizal fungus	97	EF195594	Uncultured mycorrhizal fungus 2	553	553	548
BC063531-22	FM999597	Bole Woods	Soil	9/1/2006	<i>Capronia</i> sp.	97	AF284126	Uncultured Peatland Fungus	135	254	246
BR06T1-94	FM999529	Bole Woods	Root tip	9/11/2006	leaf litter basidiomycete sp.	98	AF241332	Unidentified basidiomycete	154	563	549
BC063531-24	FM999599	Bole Woods	Soil	9/1/2006	<i>Phialophora</i> sp.	91	AY805586	Unknown Ericoid Mycorrhiza 1	375	168	40
BC063531-21	FM999596	Bole Woods	Soil	9/1/2006	mycorrhizal sp.	98	AF081442	Unknown Ericoid Mycorrhiza 2	141	155	338
BC063531-20	FM999595	Bole Woods	Soil	9/1/2006	<i>Hygrophorus hedrychii</i>	96	AY463490	Unknown Root Fungus 1	207	335	91
BC063531-13	FM999591	Bole Woods	Soil	9/1/2006	uncultured cf. <i>Tricholoma</i> sp.	98	AY254876	Unknown Root Fungus 2	139	402	88
B0751	FM999658	Bole Woods	Sporocarp	8/24/2007	<i>Xerocomus chrysenteron</i>	97	DQ533981	<i>Xerocomus chrysenteron</i>	194	248	40
B0725	FM999666	Bole Woods	Sporocarp	8/22/2007	<i>Xerocomus chrysenteron</i>	97	DQ533981	<i>Xerocomus chrysenteron</i>	194	248	40
B0755	NA	Bole Woods	Sporocarp	8/28/2007	Did not sequence, repeat	97	DQ533981	<i>Xerocomus chrysenteron</i>	193	247	40
BR06T3-3-A2	FM999552	Bole Woods	Root tip	6/21/2006	<i>Xerocomus communis</i>	93	UDB001387	<i>Xerocomus</i> sp 1	370	344	103
BR06T3-3-B1	FM999550	Bole Woods	Root tip	6/21/2006	<i>Xerocomus communis</i>	92	UDB001387	<i>Xerocomus</i> sp 1	370	344	103
S06J6	FM999546	Stebbins	Sporocarp	7/18/2006	<i>Xerocomus chrysenteron</i>	96	DQ822793	<i>Xerocomus</i> sp 2	204	188	47
S06140-171	NA	Stebbins		9/1/2006	Unknown-TRFs appear as only fungal peaks in some cores			Unknown	141	172	88
S06152-483	NA	Stebbins		9/1/2006	Unknown-TRFs appear as only fungal peaks in some cores			Unknown	152	483	83
S06202-174	NA	Stebbins		9/1/2006	Unknown-TRFs appear as only fungal peaks in some cores			Unknown	202	174	83