

**Characterizing the assemblage of wood-decay fungi in the forests
of northwest Arkansas**

Nawaf I. Alshammari¹, Fuad Ameen^{2*}, Muneera, D.F. AlKahtani³ and Stephenson, SL⁴

¹Department of Biological Sciences, University of Hail, Hail, Saudi Arabia

²Department of Botany & Microbiology, College of Science, King Saud University, Riyadh 11451, Saudi Arabia

³Department of Biology, College of Science, Princess Nourah Bint Abdulrahman University, Riyadh, Kingdom of Saudi Arabia.

⁴Department of Biological Sciences, University of Arkansas, Fayetteville, Arkansas USA

Correspondence email: fuadameen@ksu.edu.sa

Supplementary tables

Table S1. Taxa of wood-decay fungi recorded from northwest Arkansas. Note: %ID = percent sequence identity and SGB = sequence in GenBank.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Acanthophysium</i> sp. 1	Stereaceae	-----	NR_159629.1
<i>Agaricus pinsitus</i> Fr.	Agaricaceae	-----	MH861223.1
<i>Agrocybe acericola</i> (Peck) Singer	Bolbitiaceae	MN860127.1	MN860126.1
<i>Amanita</i> sp. 1	Amanitaceae	-----	KX348046.1
<i>Antrodia</i> sp. 1 (Fr.) Donk	Fomitopsidaceae	MN749971.1	MN749970.1
<i>Antrodia serialis</i> (Fr.) Donk	Fomitopsidaceae	-----	KC585304.1
<i>Aspergillus ruber</i> (Jos. König, Spieck. & W. Bremer)	Trichocomaceae	MN749936.1	MN749935.1
<i>Auricularia Americana</i> Parmasto & I. Parmasto	Auriculaceae	MN752647.1	MN752646.1
<i>Blastobotrys</i> sp. 1	Trichomonascaceae	-----	FM178345.1
<i>Blastobotrys nivea</i> Klopotek	Trichomonascaceae	-----	FM178345.1
<i>Bolbitius bisporus</i> E.F. Malysheva	Bolbitiaceae	-----	NR153611.1
<i>Bolbitius</i> sp. 1	Bolbitiaceae	-----	JX968249.1

<i>Boletales</i> sp. 1	Bolbitiaceae	MN808641.1	MN808640.1
<i>Byssomerulius incarnates</i> (Schwein.) Gilb.	Meruliaceae	-----	MF773635.1
<i>Ceraceomyces</i> sp. 1	Amylocorticiaceae	-----	MH863804.1
<i>Ceriporiopsis</i> sp. 1	Phanerochaetaceae	-----	NR_154636.1
<i>Cerrena unicolor</i> (Bull.) Murrill	Cerrenaceae	MT050490.1	-----
<i>Cladosporium cladosporioides</i> (Fresen.) G.A. de Vries	Davidiellaceae	-----	MF476049.1
<i>Clitocybe subditopoda</i> Peck	Tricholomataceae	-----	KM453734.1
<i>Clitopilus hobsonii</i> (Berk.) P.D. Orton	Entolomataceae	MT032481.1	-----
<i>Clitopilus</i> sp. 1	Entolomataceae	MN826227.1	MN826226.1
<i>Clitopilus</i> sp. 2	Entolomataceae	MN826225.1	MN826224.1
<i>Clitopilus</i> sp. 3	Entolomataceae	MN826075.1	MN826074.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Coprinellus radians</i> (Fr.) Vilgalys, Hopple & Jacq. Johnson	Psathyrellaceae	MN753980.1	MN753979.1
<i>Coprinellus</i> sp. 1	Psathyrellaceae	-----	KX611630.1
<i>Coprinus alnivorus</i> Bogart	Coprinaceae	-----	MK169326.1
<i>Cordyceps cateniannulata</i> (Z.Q. Liang) Kepler, B. Shrestha & Spatafora	Cordycipitaceae	MN860177.1	MN860176.1
<i>Cordyceps confragosa</i> (Mains) G.H. Sung, J.M. Sung, Hywel-Jones & Spatafora	Clavicipitaceae	-----	KT372853.1
<i>Crepidotus applanatus</i> (Pers.) P. Kumm.	Cortinariaceae	MN826231.1	MN826230.1
<i>Crepidotus</i> sp. 1	Crepidotaceae	-----	MF161223.1
<i>Crinipellis</i> sp. 2	Crepidotaceae	MN977192.1	-----
<i>Crucibulum leave</i> (Huds.) Kambly	Nidulariaceae	MN749576.1	MN749575.1
<i>Cryptococcus yokohamensis</i> Alshahni, Satoh & Makimura	Tremellaceae	-----	HM222928.1

<i>Cyathus annulatus</i> H.J. Brodie	Agaricaceae	MT032353.1	-----
<i>Cyathus renweii</i> T.X. Zhou & R.L. Zhao	Agaricaceae	-----	NR_119589.1
<i>Daedaleopsis confragosa</i> (Bolton) J. Schröt.	Polyporaceae	MN749637.1	MN749636.1
<i>Daedaleopsis septentrionalis</i> (P. Karst.) Niemela	Polyporaceae	MN749933.1	MN749932.1
<i>Daedaleopsis sinensis</i> (Lloyd) Y.C. Dai	Polyporaceae	-----	FJ627256.1
<i>Daedaleopsis tricolor</i> (Bull.) Bondartsev & Singer	Polyporaceae	-----	KY235366.1
<i>Daldinia childiae</i> J.D. Rogers & Y.M. Ju	Hypoxylaceae	MN860149.1	MN860148.1
<i>Diatrype stigma</i> (Hoffm.) Fr.	Diatrypaceae	MN809140.1	MN809139.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Donkia pulcherrima</i> (Berk. & M.A. Curtis) Pilát	Phanerochaetaceae	MN860136.1	-----
<i>Ductifera pululahuana</i> (Pat.) Donk	Exidiaceae	MN860170.1	MN860169.1
<i>Eichleriella</i> sp. 1	Exidiaceae	-----	MH349728.1
<i>Entoloma platyphylloides</i> (Romagn.) Largent	Entolomataceae	-----	JF908003.1
<i>Eurotium rubrum</i> Jos. König, Spieck. & W. Bremer	Trichocomaceae	-----	EU001331.1
<i>Eurotium tuberculatum</i> Z.T. Qi & Z.M. Sun	Aspergillaceae,	-----	HE615134.1
<i>Exidia recisa</i> (Ditmar) Fr.	Auriculariaceae	-----	LC098751.1
<i>Exidia</i> sp. 1	Auriculariaceae	MN752654.1	MN752653.1
<i>Exidia</i> sp. 2	Auriculariaceae	-----	MF161299.1
<i>Fuscoporia gilva</i> (Schwein.) T. Wagner & M. Fisch.	Hymenochaetaceae	MN781978.1	MN781977.1

<i>Galerina triscopa</i> (Fr.) Kühner	Sarcosomataceae	MT050467.1	-----
<i>Galiella rufa</i> (Schwein.) Nannf. & Korf	Sarcosomataceae	MN826132.1	MN826131.1
<i>Ganoderma</i> sp. 1	Ganodermataceae	MN964002.1	MN964001.1
<i>Ganoderma</i> sp. 2	Ganodermataceae	-----	AF255100.1
<i>Ganoderma</i> sp. 3	Ganodermataceae	MN749648.1	MN749647.1
<i>Gloeoporus dichrous</i> (Fr.) Bres.	Meruliaceae	MN749626.1	MN749625.1
<i>Grammothele</i> sp. 1	Polyporaceae	-----	NR_158484.1
<i>Gymnopilus decipiens</i> (Sacc.) P.D. Orton	Cortinariaceae	MN964270.1	MN964269.1
<i>Gymnopus biformis</i> (Peck) Halling	Omphalotaceae	-----	KJ416250.1
<i>Gymnopus dichrous</i> (Berk. & M.A. Curtis) Halling	Marasmiaceae	MN864292.1	MN864291.1
<i>Gymnopus dryophilus</i> (Bull.) Murrill	Omphalotaceae	-----	DQ449974.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Gymnopus earleae</i> Murrill	Marasmiaceae	-----	DQ449994.1
<i>Gymnopus erythropus</i> (Pers.) Antonín, Halling & Noordel.	Omphalotaceae	-----	KY950460.1
<i>Gymnopus foliiphilus</i> R.H. Petersen	Omphalotaceae	-----	KY026721.1
<i>Gymnopus gibbosus</i> (Corner) A.W. Wilson, Desjardin & E. Horak	Omphalotaceae	-----	KP012713.1
<i>Gymnopus junquilleus</i> R.H. Petersen & J.L. Mata	Omphalotaceae	-----	KF007938
<i>Gymnopus luxurians</i> (Peck) Murrill	Marasmiaceae	MN860558.1	=====
<i>Gymnopus semihirtipes</i> (Peck) Halling	Marasmiaceae	MT027500.1	-----
<i>Gymnopus</i> sp. 1	Omphalotaceae	-----	MK532854.1
<i>Gymnopus spongiosus</i> (Berk. & M.A. Curtis) Halling	Marasmiaceae	-----	KY026687.1

<i>Gymnopus subnudus</i> (Ellis ex Peck) Halling	Marasmiaceae	MT027360.1	-----
<i>Heimiomyces neovelutipes</i> (Hongo) E. Horak	Mycenaceae	-----	KM975407.1
<i>Hericium erinaceus</i> (Bull.) Pers.	Hericiaceae	MN752252.1	MN752251.1
<i>Heterobasidion araucariae</i> P.K. Buchanan	Bondarzewiaceae	-----	MH268104.1
<i>Hohenbuehelia angustata</i> (Berk.) Singer	Pleurotaceae	MN808821.1	MN808820.1
<i>Hohenbuehelia petaloides</i> (Bull.) Schulzer	Pleurotaceae	-----	GQ142023.1
<i>Hydnochaete tabacina</i> (Berk. & M.A. Curtis ex Fr.) Ryvarden	Hymenochaetaceae	MN749624.1	MN749623.1
<i>Hymenochaete pinnatifida</i> Burt	Hymenochaetaceae	MN749653.1	MN749652.1
<i>Hymenochaete rubiginosa</i> (Dicks.) Lév.	Hymenochaetaceae	MT032360.1	-----
<i>Hymenochaete</i> sp. 1	Hymenochaetaceae	-----	MH211729.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Hyphodermella rosae</i> (Bres.) Nakasone	Phanerochaetaceae	MN749631.1	MN749630.1
<i>Hyphodontia tropica</i> Sheng H. Wu	Hymenochaetaceae	MN752433.1	MN752432.1
<i>Hypholoma</i> sp. 1	Strophariaceae	-----	KY950514.1
<i>Hypocrea peltata</i> Berk.	Hypocreaceae	-----	AB742524.1
<i>Hypomyces microspermus</i> Rogerson & Samuels	Hypocreaceae	MN872844.1	MN872843.1
<i>Hypoxylon crocopeplum</i> Berk. & M.A. Curtis	Xylariaceae	MN964272.1	MN964271.1
<i>Infundibulicybe gibba</i> (Pers.) Harmaja	Tricholomataceae	-----	MG663274.1
<i>Inocybe</i> sp. 1	Inocybaceae	MN964335.1	MN964334.1
<i>Inocybe subradiata</i> Murrill	Inocybaceae	-----	MF992157.1
<i>Irpex lacteus</i> (Fr.) Fr.	Steccherinaceae	-----	KT272411.1
<i>Lachnum virgineum</i> (Batsch) P. Karst.	Hyaloscyphaceae	-----	AB481268.1

<i>Lactarius purpureocastaneus</i> X.H. Wang	Russulaceae	-----	MF508965.1
<i>Lactarius rubrocinctus</i> Fr.	Russulaceae	MN872840.1	MN871815.1
<i>Lactarius subserifluus</i> Longyear	Russulaceae	-----	EU819486.1
<i>Leiotrametes lactinea</i> (Berk.) Welti & Courtec.	Polyporaceae	MN860138.1	MN860137.1
<i>Lentinellus brunnescens</i> Lj.N. Vassiljeva	Russulaceae	MN860129.1	MN860128.1
<i>Lentinellus castoreus</i> (Fr.) Kühner & Maire	Auriscalpiaceae	MN809125.1	MN809124.1
<i>Lentinellus</i> sp. 1	Auriscalpiaceae	-----	AY513169.1
<i>Lentinellus</i> sp. 2	Auriscalpiaceae	-----	MH211871.1
<i>Lentinus levis</i> (Berk. & M.A. Curtis) Murrill	Polyporaceae	MN809143.1	MN809142.1
<i>Lenzites betulinus</i> (L.) Fr.	Polyporaceae	MN749633.1	MN749632.1
<i>Lenzites</i> sp.1	Polyporaceae	-----	MK575249.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Lepiota phaeosticta</i> Morgan	Agaricaceae	MN826136.1	MN826135.1
<i>Lepiota</i> sp. 1	Agaricaceae	-----	MH212044.1
<i>Leucoagaricus americanus</i> (Peck) Vellinga	Agaricaceae	MN808631.1	MN808630.1
<i>Lycoperdon pyriforme</i> Schaeff.	Agaricaceae	-----	MF161171.1
<i>Marasmiellus candidus</i> (Fr.) Singer	Marasmiaceae	MN977325.1	MN860121.1
<i>Marasmiellus juniperinus</i> Murrill	Marasmiaceae	-----	NR_119582.1
<i>Marasmiellus rhizomorphigenus</i> Antonín, Ryoo & H.D. Shin	Omphalotaceae	-----	LT716051.1
<i>Marasmiellus</i> sp. 1	Meruliaceae	-----	MH856003.1
<i>Marasmius</i> sp. 2	Meruliaceae	MN872842.1	MN872841.1
<i>Marasmius</i> sp. 3	Meruliaceae	MN871792.1	MN871791.1

<i>Marasmius cohaerens</i> (Pers.) Cooke & Quél.	Marasmiaceae	-----	KF774176.1
<i>Marasmius graminicola</i> Speg.	Marasmiaceae	-----	FJ917619.1
<i>Marasmius oreades</i> (Bolton) Fr.	Marasmiaceae	-----	JN943604.1
<i>Marasmius pulcherripes</i> Peck	Marasmiaceae	MT032485.1	-----
<i>Marasmius rotula</i> (Scop.) Fr.	Marasmiaceae	-----	KC176355.1
<i>Marasmius</i> sp. 1	Marasmiaceae	-----	AY216476.1
<i>Marasmius</i> sp. 2	Marasmiaceae	-----	DQ182506.1
<i>Mariannaea</i> sp. 1	Nectriaceae	-----	NR_148078.1
<i>Merulius incarnates</i> Schwein.	Meruliaceae	MN782000.1	MN781999.1
<i>Microstoma floccosum</i> (Sacc.) Raitv.	Sarcoscyphaceae	-----	AF026309.1
<i>Mollisia incrustata</i> (Ellis) Sacc.	Dermateaceae	MN860141.1	MN860140.1
<i>Morganella pyriformis</i> (Schaeff.) Kreisel & D. Krüger.	Agaricaceae	-----	LT635437.1
<i>Morganella subincarnata</i> (Peck) Kreisel & Dring	Agaricaceae	MN964264.1	-----

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Mortierella</i> sp. 1	Mortierellaceae	-----	MF423523.1
<i>Mycena acicula</i> (Schaeff.) P. Kumm.	Mycenaceae	MN781990.1	MN781989.1
<i>Mycena amicta</i> (Fr.) Quél.	Mycenaceae	MT027358.1	-----
<i>Mycena aurantiomarginata</i> (Fr.) Quél.	Mycenaceae	-----	JF908479.1
<i>Mycena haematopus</i> (Pers.) P. Kumm	Mycenaceae	MN749929.1	-----
<i>Mycena inclinata</i> (Fr.) Quél	Mycenaceae	MT027356.1	-----
<i>Mycena leaiana</i> (Berk.) Sacc.	Mycenaceae	MN749928.1	MN749927.1
<i>Mycena niveipes</i> (Murrill) Murrill	Mycenaceae	-----	MG748570.1
<i>Mycena polygramma</i> (Bull.) Gray	Mycenaceae	-----	FJ917615.1
<i>Mycena</i> sp. 1	Mycenaceae	MN781994.1	MN781993.1
<i>Mycena</i> sp. 2	Mycenaceae	-----	KJ206984.1
<i>Mycena</i> sp. 3	Mycenaceae	-----	MK290378.1

<i>Mycena thymicola</i> Velen.	Mycenaceae	-----	JF908483.1
<i>Mycena zephirus</i> (Fr.) P. Kumm.	Mycenaceae	MN781987.1	MN781986.1
<i>Mycetinis opacus</i> (Berk. & M.A. Curtis) A.W. Wilson & Desjardin	Marasmiaceae	-----	KY696767.1
<i>Mycorrhaphium adustum</i> (Schwein.) Maas Geest.	Steccherinaceae	-----	JN710573.1
<i>Nectria mariannaeae</i> Samuels & Seifert	Nectriaceae	-----	GU586835.1
<i>Neofavolus alveolaris</i> (DC.) Sotome & T. Hatt.	Polyporaceae	-----	KP283508.1
<i>Neofavolus</i> sp. 1	Polyporaceae	MN860132.1	MN860131.1
<i>Neofavolus</i> sp. 2	Polyporaceae	MN860125.1	MN860124.1
<i>Neofavolus</i> sp. 3	Polyporaceae	MN752652.1	MN752651.1
<i>Neofavolus</i> sp. 4	Polyporaceae	MN749925.1	MN749924.1
<i>Neofavolus</i> sp. 5	Polyporaceae	MN749923.1	MN749922.1
<i>Nigroporus vinosus</i> (Berk.) Murrill	Steccherinaceae	-----	JX109857.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Panellus</i> sp. 1	Mycenaceae	-----	MK399806.1
<i>Panellus stipticus</i> (Bull.) P. Karst.	Mycenaceae	MN749586.1	MN749585.1
<i>Panus conchatus</i> (Bull.) Fr.	Panaceae	MT032480.1	-----
<i>Panus lecomtei</i> (Fr.) Corner	Polyporaceae	-----	KP135329.1
<i>Panus neostrigosus</i> Drechsler-Santos & Wartchow	Polyporaceae	-----	KU761235.1
<i>Panus rudis</i> Fr.	Polyporaceae	-----	KU863048.1
<i>Perenniporia ohiensis</i> (Berk.) Ryvarden	Polyporaceae	-----	FJ411096.1
<i>Pezizomycetes</i> sp. 1	Pezizomycetes	MN964250.1	MN964249.1
<i>Pezizomycetes</i> sp. 2	Pezizomycetes	-----	JQ761310.1
<i>Phaeomarasmium erinaceellus</i> (Peck) Singer	Inocybaceae	MN795482.1	MN795481.1

<i>Phanerochaete pseudosanguinea</i> Floudas & Hibbett	Phanerochaetaceae	MN749651.1	MN749650.1
<i>Phanerochaete sanguinea</i> (Fr.) Pouzar	Phanerochaetaceae	MT027238.1	-----
<i>Phanerochaete sordida</i> (P. Karst.) J. Erikss. & Ryvarden	Phanerochaetaceae	-----	MF476014.1
<i>Phanerochaete</i> sp. 1	Phanerochaetaceae	-----	MF399407.1
<i>Phellinus robiniae</i> (Murrill) A. Ames	Hymenochaetaceae	-----	KX065962.1
<i>Phlebia tremellosa</i> (Schrad.) Nakasone & Burds.	Meruliaceae	-----	KJ668481.1
<i>Phlebiopsis flavidoalba</i> (Cooke) Hjortstam	Phanerochaetaceae	-----	KX065956.1
<i>Pholiota multifolia</i> (Peck) A.H. Sm. & Hesler	Strophariaceae	MT027490.1	-----
<i>Pholiota polychroa</i> (Berk.) A.H. Sm. & H.J. Brodie	Strophariaceae	MN749584.1	MN749583.1
<i>Pholiotina aeruginosa</i> (Romagn.) M.M. Moser	Bolbitiaceae	MT028143.1	-----

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Physalacria</i> sp. 1	Physalacriaceae	-----	DQ097367.1
<i>Physisporinus pouzarii</i> (Vampola & Vlasák) F. Wu, Jia J. Chen & Y.C. Dai	Meripilaceae	MN826134.1	MN826133.1
<i>Physisporinus vitreus</i> (Pers.) P. Karst.	Meripilaceae	-----	KF800254.1
<i>Pleurotus dryinus</i> (Pers.) P. Kumm.	Pleurotaceae	-----	MH211881.1
<i>Pleurotus floridanus</i> Singer	Bolbitiaceae	-----	MG819742.1
<i>Pleurotus ostreatus</i> (Jacq. ex Fr.) P. Kumm.	Pleurotaceae	-----	MH395969.1
<i>Pleurotus pulmonarius</i> (Fr.) Quél	Pleurotaceae	MN808603.1	MN808602.1
<i>Pleurotus sapidus</i> Sacc.	Pleurotaceae	-----	KY962449.1
<i>Pleurotus</i> sp. 1	Pleurotaceae	MT027258.1	-----
<i>Pleurotus</i> sp. 2	Pleurotaceae	MN860173.1	MN860172.1

<i>Pleurotus</i> sp. 3	Pleurotaceae	MN860144.1	MN860143.1
<i>Pleurotus</i> sp. 4	Pleurotaceae	MN809106.1	MN809105.1
<i>cervinus</i> (Schaeff.) P. Kumm.	Pleurotaceae	MN749645.1	MN749644.1
<i>Pluteus petasatus</i> (Fr.) Gillet	Pleurotaceae	MN749639.1	MN749638.1
<i>Pluteus romellii</i> (Britzelm.) Sacc.	Pleurotaceae	MN752313.1	MN752312.1
<i>Pluteus cervinus</i> (Schaeff.) P. Kumm.	Pleurotaceae	-----	KF306014.1
<i>Pluteus chrysophlebius</i> (Berk. & M.A. Curtis) Sacc.	Pleurotaceae	MN860123.1	MN860122.1
<i>Pluteus glaucotinctus</i> E. Horak	Pluteaceae	-----	MH211860.1
<i>Pluteus hispidulus</i> (Fr.) Gillet	Pluteaceae	-----	KM983696.1
<i>Pluteus hongoi</i> Singer	Pleurotaceae	MN752233.1	MN752232.1
<i>Pluteus longistriatus</i> (Peck) Peck	Pluteaceae	MT032365.1	-----
<i>Pluteus pellitus</i> (Pers.) P. Kumm.	Pluteaceae	-----	MH211659.1
<i>Pluteus petasatus</i> (Fr.) Gillet	Pluteaceae	-----	KJ009707.1
<i>Pluteus romellii</i> (Britzelm.) Sacc.	Pluteaceae	-----	KM983699.1
<i>Pluteus</i> sp. 1	Pluteaceae	-----	KM983694.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Pluteus thomsonii</i> sensu Singer	Pluteaceae	-----	KX216328.1
<i>Polyporales</i> sp.	Polyporaceae	MN809134.1	MN809133.1
<i>Polyporus alveolaris</i> (DC.) Bondartsev & Singer	Polyporaceae	-----	KJ140677.1
<i>Polyporus</i> sp. 1	Polyporaceae	-----	AB746931.1
<i>Polyporus</i> sp. 2	Polyporaceae	-----	KU324794.1
<i>Polyporus tuberaster</i> (Jacq. ex Pers.) Fr.	Polyporaceae	MT032482.1	-----
<i>Polyporus varius</i> (Pers.) Fr.	Polyporaceae	MT050461.1	MT050460.1
<i>Psathyrella</i> sp. 1	Psathyrellaceae	-----	KC992949.1
<i>Pseudochaete tabacina</i> (Sowerby) T. Wagner & M. Fisch.	Hymenochaetaceae	-----	KJ140591.1

<i>Resupinatus alboniger</i> (Pat.) Singer	Pleurotaceae	MN752401.1	MN752400.1
<i>Resupinatus applicatus</i> (Batsch) Gray	Tricholomataceae	-----	KU355368.1
<i>Rhizomarasmius pyrrocephalus</i> (Berk.) R.H. Petersen	Psathyrellaceae	MN752228.1	MN752227.1
<i>Rhizopus oryzae</i> Went & Prins. Geerl.	Mucoraceae	-----	FJ478087.1
<i>Rhodocollybia badiialba</i> (Murrill) Lennox	Omphalotaceae	MN826119.1	MN826118.1
<i>Rhodotus</i> sp. 1	Physalacriaceae	-----	MG748585.1
<i>Rigidoporus pouzarii</i> Vampola & Vlasák	Meripilaceae	-----	JQ733558.1
<i>Rigidoporus</i> sp. 1	Meripilaceae	-----	MG845229.1
<i>Russula pectinatoides</i> Peck	Russulaceae	-----	MH211829.1
<i>Sarcoscypha korfiana</i> F.A. Harr.	Sarcoscyphaceae	-----	AF026308.2
<i>Sarcoscypha occidentalis</i> (Schwein.) Sacc.	Sarcoscyphaceae	MN808749.1	MN808748.1
<i>Schizophyllum commune</i> Fr.	Schizophyllaceae	MN781968.1	MN781967.1
<i>Schizophyllum radiatum</i> Fr.	Schizophyllaceae	-----	LT217545.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Schizopora ovispora</i> (Corner) Hjortstam & Ryvarden	Schizoporaceae	-----	KX857803.1
<i>Scutellinia crinite</i> (Bull.) Lambotte.	Pyronemataceae	MN752431.1	MN752430.1
<i>Scutellinia</i> sp. 1	Pyronemataceae	-----	MF230412.1
<i>Simocybe serrulata</i> (Murrill) Singer	Inocybaceae	MN872846.1	MN872845.1
<i>Simocybe</i> sp. 1	Inocybaceae	MN860159.1	MN860158.1
<i>Simocybe</i> sp. 2	Inocybaceae	MN809131.1	MN809130.1
<i>Simplicillium aogashimaense</i> Nonaka, Kaifuchi & Masuma	Cordycipitaceae	MT027492.1	MT027491.1
<i>Simplicillium lanosoniveum</i> (J.F.H. Beyma) Zare & W. Gams	Cordycipitaceae	-----	AB758126.1

<i>Skeletocutis nivea</i> (Jungh.) Jean Keller	Polyporaceae	MN781970.1	MN781969.1
<i>Skeletocutis semipileata</i> (Peck) Miettinen & A. Korhonen	Polyporaceae	MN964075.1	MN964074.1
<i>Spongipellis pachyodon</i> (Pers.) Kotl. & Pouzar	Hapalopilaceae	MT027357.1	-----
<i>Steccherinum bourdotii</i> Saliba & A. David	Steccherinaceae	MN749594.1	MN749593.1
<i>Steccherinum laeticolor</i> (Berk. & M.A. Curtis) Banker	Steccherinaceae	MT027254.1	-----
<i>Steccherinum murashkinskyi</i> (Burt) Maas Geest.	Steccherinaceae	-----	FJ798705.1
<i>Steccherinum undigerum</i> (Berk. & M.A. Curtis) Westphalen & Tomšovský	Steccherinaceae	MN781992.1	MN781991.1
<i>Stereum complicatum</i> (Fr.) Fr.	Stereaceae	MN749663.1	MN749662.1
<i>Stereum hirsutum</i> (Willd.) Pers.	Stereaceae	-----	MH211730.1
<i>Stereum ostrea</i> (Blume & T. Nees) Fr.	Stereaceae	MN749635.1	MN749634.1
<i>Stereum sanguinolentum</i> (Alb. & Schwein.) Fr.	Stereaceae	MN864252.1	MN864251.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Stereum</i> sp. 1	Stereaceae	MN965750.1	MN965749.1
<i>Stereum</i> sp. 2	Stereaceae	MN864258.1	MN864257.1
<i>Stereum</i> sp. 3	Stereaceae	MN752263.1	MN752262.1
<i>Stereum</i> sp. 4	Stereaceae	MN749665.1	MN749664.1
<i>Stereum</i> sp. 5	Stereaceae	-----	KJ831876.1
<i>Stereum</i> sp. 6	Stereaceae	-----	KJ831881.1
<i>Stereum</i> sp. 7	Stereaceae	-----	MH268105.1
<i>Strobilomyces</i> sp.	Boletaceae	-----	MK733920.1
<i>Tetrapyrgos nigripes</i> (Fr.) E. Horak	Marasmiaceae	-----	DQ449942.1
<i>Theleporus</i> sp. 1	Grammotheleaceae	-----	NR_119985.1

<i>Tomentella</i> sp. 1	Thelephoraceae	-----	EU625920.1
<i>Trametes conchifer</i> (Schwein.) Pilát	Polyporaceae	MN749629.1	MN749628.1
<i>Trametes cubensis</i> (Mont.) Sacc.	Polyporaceae	MN860166.1	MN860165.1
<i>Trametes elegans</i> (Spreng.) Fr.	Polyporaceae	MN749588.1	MN749587.1
<i>Trametes hirsute</i> (Wulfen) Lloyd	Polyporaceae	-----	GQ280373.1
<i>Trametes</i> sp. 1	Polyporaceae	MN964006.1	MN964005.1
<i>Trametes</i> sp. 2	Polyporaceae	MN752650.1	MN752649.1
<i>Trametes versicolor</i> (L.) Lloyd	Polyporaceae	MN749590.1	MN749589.1
<i>Trametes villosa</i> (Sw.) Kreisel	Polyporaceae	MN781670.1	MN781669.1
<i>Trametopsis cervina</i> (Schwein.) Tomšovský	Polyporaceae	MN749931.1	MN749930.1
<i>Trametopsis</i> sp. 1	Hapalopilaceae	-----	MG663240.1
<i>Tremella yokohamensis</i> (Alshahni, Sato & Makimura) Yurkov	Tremellaceae	MN752643.1	MN752642.1
<i>Trichaptum biforme</i> (Fr.) Ryvarden	Polyporaceae (?)	MN964276.1	MN964275.1
<i>Trichaptum fuscoviolaceum</i> (Ehrenb.) Ryvarden	Polyporaceae	-----	MF381026.1

Table S1. Continued.

Taxon	Family	SGB (ITS4)	SGB (ITS1)
<i>Trichoderma atroviride</i> P. Karst.	Hypocreaceae	MT027497.1	-----
<i>Trichoderma gamsii</i> Samuels & Druzhin.	Hypocreaceae	-----	KX009501.1
<i>Trichoderma</i> sp. 1	Hypocreaceae	MT027495.1	-----
<i>Trichoderma</i> sp. 2	Hypocreaceae	-----	AB872440.1
<i>Trichoderma viride</i> Pers.	Hypocreaceae	-----	KM458804.1
<i>Trogia furcata</i> Corner	Marasmiaceae	-----	MF100962.1
<i>Truncospora ohiensis</i> (Berk.) Pilát	Polyporaceae	MT027494.1	MT027493.1
<i>Truncospora</i> sp. 1	Polyporaceae	-----	KP768411.1
<i>Tylopilus felleus</i> (Bull.) P. Karst.	Boletaceae	MT032364.1	-----

<i>Tylopilus rubrobrunneus</i> Mazzer & A.H. Sm.	Boletaceae	-----	GQ166869.1
<i>Tyromyces galactinus</i> (Berk.) Bondartsev	Polyporaceae	MN872818.1	MN872817.1
<i>Tyromyces kmetii</i> (Bres.) Bondartsev & Singer	Polyporaceae	MN749592.1	MN749591.1
<i>Urnula craterium</i> (Schwein.) Fr.	Sarcosomataceae	MN781996.1	MN781995.1
<i>Xeromphalina kauffmanii</i> A.H. Sm.	Mycenaceae	-----	MG663296.1
<i>Xylaria cornu-damae</i> (Schwein.) Berk.	Xylariaceae	MT027514.1	-----
<i>Xylaria heliscus</i> (Mont.) J.D. Rogers & Y.M. Ju	Xylariaceae	MT027515.1	-----
<i>Xylaria hypoxylon</i> (L.) Grev.	Xylariaceae	-----	U47841
<i>Xylaria</i> sp. 1	Xylariaceae	MT028182.1	-----
<i>Xylaria</i> sp. 2	Xylariaceae	-----	KU683962.1
<i>Xylobolus subpileatus</i> (Berk. & M.A. Curtis) Boidin	Stereaceae	MN750025.1	MN750024.1
<i>Xylodon subflaviporus</i> C.C. Chen & Sheng H. Wu	Stereaceae	MN749657.1	MN749656.1

Table. S2. Unidentified species of wood-decay fungi.

Taxon	SGB (ITS4)	SGB (ITS1)
Unidentified fungus	MN872814.1	MN872833.1
Unidentified fungus	MN964278.1	MN964277.1
Unidentified fungus	MN872837.1	MN872836.1
Unidentified fungus	MN872835.1	MN872834.1
Unidentified fungus	MN872830.1	MN872829.1
Unidentified fungus	MN872824.1	MN872823.1
Unidentified fungus	MN872826.1	-----
Unidentified fungus	MN872822.1	MN872821.1
Unidentified fungus	MN872820.1	MN872819.1
Unidentified fungus	MN872816.1	MN872815.1

Unidentified fungus	MN872811.1	MN872810.1
Unidentified fungus	MN872809.1	MN872808.1
Unidentified fungus	MN872807.1	MN872806.1
Unidentified fungus	MN831409.1	MN831408.1
Unidentified fungus	MN831407.1	MN831406.1
Unidentified fungus	MN831389.1	MN831388.1
Unidentified fungus	MN831401.1	MN831400.1
Unidentified fungus	MN831385.1	-----
Unidentified fungus	MN831387.1	MN831384.1
Unidentified fungus	-----	MN831386.1
Unidentified fungus	MN831405.1	MN831404.1
Unidentified fungus	MN831381.1	MN831380.1
Unidentified fungus	MN831391.1	MN831390.1
Unidentified fungus	MN831393.1	MN831392.1
Unidentified fungus	MN831399.1	-----
Unidentified fungus	MN831395.1	MN831398.1
Unidentified fungus	-----	MN831394.1
Unidentified fungus	MN831397.1	MN831396.1

Table. S2 Continued.

Taxon	SGB (ITS4)	SGB (ITS1)
Unidentified fungus	MN831383.1	-----
Unidentified fungus	MN831403.1	MN831382.1
Unidentified fungus	-----	MN831402.1
Unidentified fungus	MN781976.1	MN781975.1
Unidentified fungus	-----	MN872825.1
Unidentified fungus	-----	MN860557.1
fungus sp. 1	MT027496.1	-----
fungus sp. 2	MN860156.1	MN860155.1
fungus sp. 3	MN826229.1	MN826228.1

fungal sp. 4

MN749668.1

MN749667.1
