Appendices

Appendices

Appendices

Appendix 1 Crown health assessment methods.

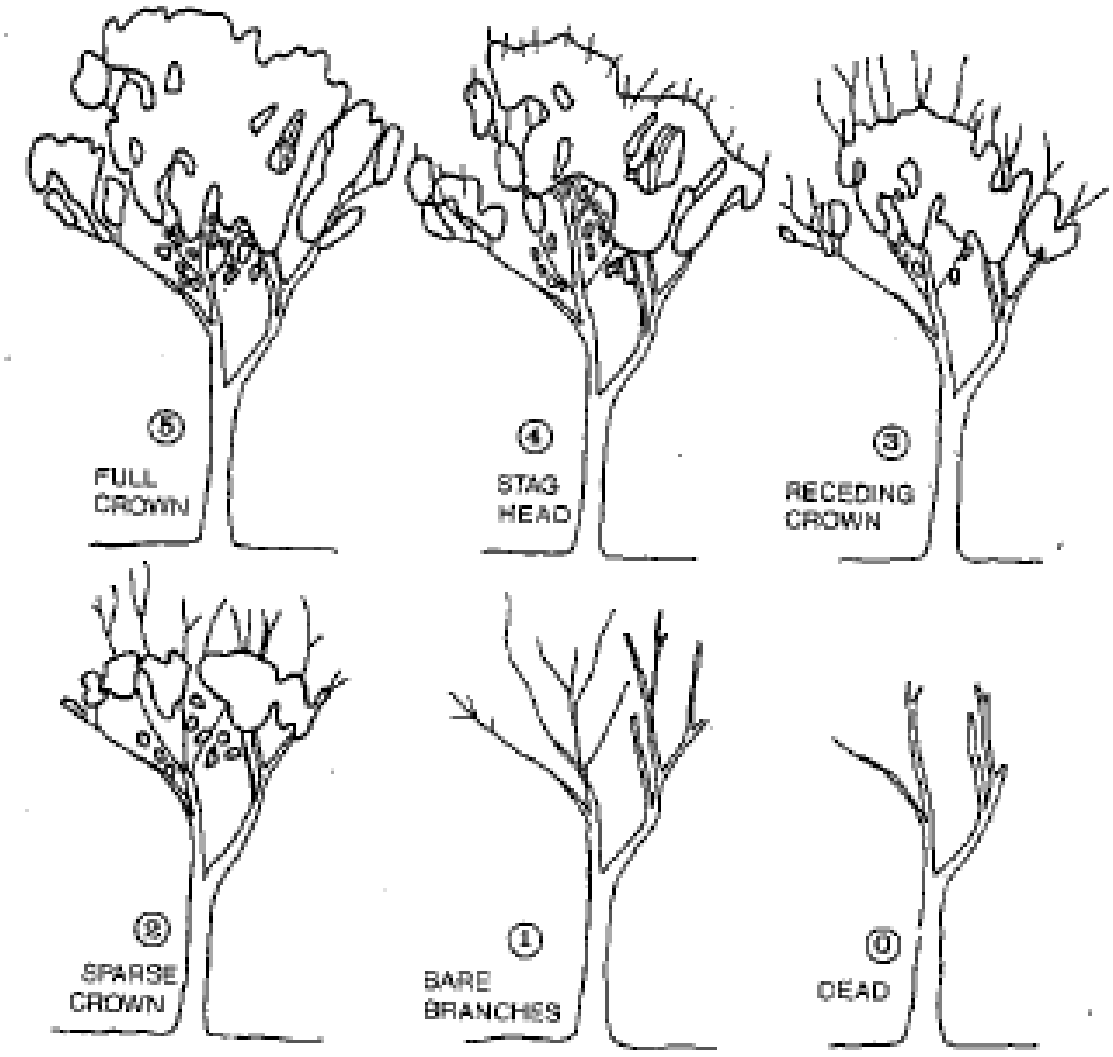


Figure A 1.1 Fox and Curry (1980) crown condition scoring system.

Appendix 1

Table A1.1 Description of health scores from Appendix 1 of Jurskis, Selby et al. (2005).

Canopy Stress Category	**Description**
0	Perfectly healthy: a full canopy of normally developed leaves on the end of branchlets. There may be dead branches below the green crown in younger trees.
1	Healthy: leaves mostly on ends of fine branchlets. Canopy may be slightly thin with some fine branchlets dead.
2	Stressed: leaves distributed along fine branches. Some dead fine branches in the upper canopy. May have dead medium branches in the lower canopy; or a crown of normally developed shoots on medium/large branches (representing recovery from category 3 or 4).
3	Highly stressed; many dead fine branches, some dead medium branches. Sparse crown of normally developed shoots, or moderately full crown mostly comprising epicormic shoots, on medium branches; or a moderately full crown of normally developed shoots of large branches (representing recovery from category 4).
4	Severely stressed; medium branches mostly dead. Crown may comprise clumps of epicormic shoots on the large branches and bole.
5	Dead; canopy recently dead. Tree still carries some dead fine branches and bark.

Table A1.2 Crown condition scoring system from Appendix 2 of Stone, Wardlaw et al. (2003a).

Crown size and shape	The overall degree of dieback - present extent of living foliage compared to the estimated amount that would have been presented by the original, unaffected crown.
5 - large, vigorous	Well balanced, fully-extended crown, shaped by large branches containing a healthy 'hierarchy' of smaller branches supporting foliage.
3 - moderate	Moderately-contracted contracted crown, non-uniform in shape with foliage unevenly distributed. Approximately half the outer, smaller branches dead or missing.
1 - contracted	Crown contracted, all outer branches dead or missing, foliage on only major branches or stem arising form epicormic growth.
Crown foliar density	Inverse to crown transparency.
5 - very dense	Very dense leaf clumps with even distribution of clumps over the crown. Very little light penetrating the leaf clumps.
4 - dense	Dense leaf clumps distributed unevenly over the crown.
3 - moderate	Clumps of average density with reasonable distribution or dense clumps very unevenly spread.
2 - sparse	Clumps are sparse and poorly spread.
1 - very sparse	Very few leaves anywhere on the crown.
Dead branches	
5 - nil	No visible dead branches or branchlets/shoots in the crown.
4 - dead terminal shoots	On close inspection some dead terminal branches are evident but not over the entire crown.
3 - dead small branches	Some small branches are dead but not over the entire crown. These are easily observed but do not give the impression of seriously affecting the crown.
2 - dead main branches	Some large and/or small branches dead over part of the crown with the obvious impression of serious branch dead.
1 - dead main branches	Large and small branches dead over most of the crown which is obviously dying
Crown epicormic growth	
5 - nil	Limbs clean, growth concentrated at the branch extremities.
3 - moderate	Moderate amount of epicormic growth is present over most of the crown but foliage from primary shoots still present.
1 - severe	Epicormic growth is dominant source of foliage over most of the crown.

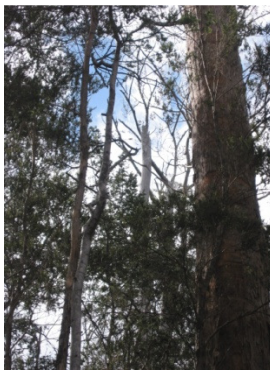
Cont..Table A1.2 Crown condition scoring system from Appendix 2 of Stone, Wardlaw et al. (2003a).

Foliar damage	
5 - low	No insect or fungal damage visible in the crown from the ground, no reddish/purple or brown discolouration present or only a small amount on old foliage.
3 - moderate	Obvious reddish/purple or brown discolouration on some of the foliage, insect or fungal damage may be visible form the ground.
1 - high	Insect or fungal damage severe enough to be visible from the ground, foliage may have a 'tatty' appearance. Crown has an overall reddish/purple or brown colouration.

Appendix 2 Photographs of *E. delegatensis* tree crowns.

Crown condition scores measured by primary crown dieback (PCD), crown size and shape (SS), crown density (density of foliage) (FD), and the additive standardised score of the four Stone, Wardlaw et al. (2003a) parameters; crown size and shape, foliage density, dead branches, and amount of epicormic growth (T1), are shown above each photo. Highest values indlicate the best health.

PCD=0	PCD=0	PCD=0.05	PCD=0.05
SS=0.2	SS=0.2	SS=0.2	SS=0.2
FD=0.5	FD=0.6	FD=0.2	FD=0.2
T1=0.28	T1=0.3	T1=0.2	T1=0.2




PCD= 0.1	PCD= 0.1	PCD= 0.2	PCD= 0.2
SS=0.4	SS=0.3	SS=0.4	SS=0.4
FD=0.6	FD=0.4	FD=0.4	FD=0.6
T1=0.43	T1=0.23	T1=0.43	T1=0.45




PCD= 0.25	PCD= 0.25	PCD=0.3
SS=0.3	SS=0.3	SS=0.6
FD=0.6	FD=0.5	FD=0.8
T1=0.43	T1=0.4	T1=0.6



PCD=0.4	PCD=0.4	PCD= 0.5	PCD1=0.5
SS=0.6	SS=0.4	SS=0.8	SS=0.5
FD=0.6	FD=0.6	FD=0.8	FD=0.6
T1=0.55	T1=0.43	T1=0.68	T1=0.53




Appendix 2

PCD=0.55

SS=0.7

FD=0.6

T1=0.6

PCD= 0.75

SS=0.7

FD=0.6

T1=0.65

PCD=0.75

SS=0.7

FD=0.5

T1=0.65

PCD=0.8

SS=0.8

FD=0.6

T1=0.7

PCD=0.8

SS=0.8

FD=0.6

T1=0.73

PCD=0.85

SS=0.8

FD=0.6

T1=0.7

PCD=0.85

SS=0.8

FD=0.8

T1=0.75

PCD=0.9
SS=0.8
FD=0.9
T1=0.83

PCD=0.9
SS=1.0
FD=0.8
T1=0.8

PCD=0.95
SS=0.8
FD=0.6
T1=0.75

PCD=0.95
SS=0.9
FD=0.7
T1=0.8

PCD=1.0
SS=1.0
FD=1.0
T1=0.95

PCD=1.0
SS=0.8
FD=0.7
T1=0.78

Appendix 3 DNA extraction from soil using PowerSoil DNA Isolation Kit (MoBio, Promega, Madison, USA).

0.25 g of soil was added to the PowerBead tubes provided and vortexed to mix. 60 µL of Solution C1 (containing SDS and other disruption agents required for cell lysis) was added to the tubes and tubes were inverted several times to mix. PowerBead tubes were vortexed for 10 minutes and then centrifuged at 13 200 rpm for 30 seconds at room temperature. The supernatant from each of the tubes was then transferred to a clean 2 mL tube and 250 µL of Solution C2 (allows precipitation of non-DNA organic and inorganic material) was added. Tubes were centrifuged for 5 seconds at 13 200 rpm and then incubated on ice at 4 °C for 5 minutes. After incubation, tubes were centrifuged at 13 200 rpm for 1 minute. 600 µL of supernatant was then transferred to a clean 2 mL tube. 200 µL of Solution C3 (allows precipitation of non-DNA organic and inorganic material) was added to each of the tubes and tubes were vortexed briefly. 1.2 mL of Solution C4 (a concentrated salt solution which allows binding of DNA to the Spin Filters) was added to the supernatant and tubes were vortexed for 5 seconds. 675 µL of the sample solution was then added to a Spin Filter tube and centrifuged at 13 200 rpm for 1 minute at room temperature. This was repeated until all the supernatant was loaded through the spin filter. 500 µL of Solution C5 (an ethanol based wash solution) was added to the spin filter and centrifuged at room temperature for 30 seconds at 13 200 rpm. Flow through was discarded and tubes were centrifuged for 1 minute at 13 200 rpm. The spin filter was then placed into a clean 2 mL tube and 100 µL of Solution C6 was added to the centre of the filter membrane. Tubes were centrifuged at room temperature for 30 seconds at 13 200 rpm after which spin filters were discarded. The eluate, containing DNA, was stored at -20 °C before use as template in PCR reactions.

Appendix 4 Soil DNA amplification by PCR.

A4.1 Soil DNA PCR

PCR reactions contained 1 X NH_4 reaction buffer (Bioline, London, UK), 2 mM magnesium chloride ($MgCl_2$)(Fisher Biotec, Wembley, Australia), 0.2 mg/mL bovine serum albumin (BSA) (Fisher Biotec, Wembley, Australia), 200 µM deoxynucleotide triphosphate (dNTP) (Bioline, London, UK), 0.25 µM ITS1-F and 0.25 µM ITS4 (Geneworks, Adelaide, Australia), 0.04 U/µL of MangoTaq DNA Polymerase (Bioline, London, UK) and 5 µL of DNA. Final volume was adjusted to 50 µL with purified water ('water for injection' AstraZeneca, London, UK).

A4.2 Clone DNA PCR

PCR reactions contained 4 µL of clone DNA, 1 X NH_4 reaction buffer (Bioline, Alexandria, Australia), 2 mM $MgCl_2$ (Promega, Madison, USA) 0.2 mg/mL BSA (Fisher Biotec, Wembley, Australia), 200 µM dNPT (Bioline, Alexandria, Australia), 0.25 µM of each ITS1-F (Genworks, Adelaide, Australia) and ITS4 (Genworks, Adelaide, Australia), 0.02 U/µL of BioTaq DNA Polymerase (Bioline, Alexandria, Australia), and was adjusted to a final volume of 50 µL with purified water ('water for injection' AstraZeneca, London, UK).

A4.3 Incubation cycles

The thermocycler program consisted of: 95 °C for 2 minutes, then 35 cycles of 95 °C for 30 seconds, 55 °C for 30 seconds and 72 °C for 30 seconds, with a final extension at 72 °C for 7 minutes then cooled to 14 °C for 1 minute. Thermocycling was carried out using either an Applied Biosystems 2720 Thermal Cycler or MJ PTC-100 Programmable Thermal Controller.

Appendix 5 PCR product purification and concentration.

A5.1 PCR product purification

Excess primers, unincorporated dNTPs and proteins were removed from PCR products before cloning using the UltraClean PCR Clean-up DNA Purification Kit (MoBio, Carlsbad, California, USA). To each 200 µL sample 1000 µL of SpinBind (a chaotropic salt solution) was added and mixed by pipetting before transfer to a spin filter unit and centrifugation for 30 seconds at 14 000 rpm. The spin filter was removed from the tube and the liquid flow-through was discarded by decanting. The spin filter was replaced back into the same tube. 300 µL of SpinClean buffer (a wash solution) was added to each tube. Tubes were centrifuged for 30 seconds at maximum speed. The spin filters were removed from the tubes and the liquid flow-through was decanted. The spin filters were replaced back into the same samples tubes and centrifuged again for 30 seconds at 14 00 rpm. The spin filter was then transferred to a clean 1.5 mL tube and 50 µL of elution buffer (10 mM Tris) solution was added directly onto the spin filter membrane. Tubes were centrifuged for 60 seconds at 14 000 rpm. The spin filters were then removed from the tubes and discarded.

A5.2 PCR product concentration

Purified PCR product was precipitated by adding 2 µL of 5 M NaCl to each tube, vortexing for a few seconds before addition of 100 µL of 100% cold ethanol and tubes vortexed again for a few seconds. Sample tubes were left on ice for 20 minutes and were then centrifuged at 13 200 rpm for 5 minutes after which all liquid was decanted. Samples tubes were inverted onto paper towel in a laminar flow cabinet to dry. Once dry, the pellet was resuspended in 10 µL of TE buffer.

Appendix 6 Ligation and transformation using the pGEM-T Vector Kit (Promega, Madison, USA).

A6.1 Ligations

For each ligation reaction, 5 µL of 2 x rapid ligation buffer, 1 µL of T4 DNA ligase, 1 µL of 50 ng/µL pGEM-T Easy Vector (Promega, Madison, USA) and 3 µL of PCR product were added to a sterile 1.5 mL tube. For the positive control ligation reaction, 2 µL of Control Insert DNA (provided in the kit) and 1 µL of sterile H_2O were added instead of PCR product. For the negative control 3 µL of H_2O was added instead of PCR product. Reactions were mixed by pipetting and incubated at 4°C overnight, or until transformations were carried out.

A6.2 Transformations

Transformation reactions were performed in sterile 1.5 mL tubes. To each tube, 2 µL of ligation reaction and 25 µL of JM109 High Efficiency Competent Cells (Promega, Madison, USA) were added. For the transformation positive control 2 µL of uncut plasmid (Promega, Madison, USA) were added instead of ligation reaction. Tubes were incubated on ice for 20 minutes then heat shocked for 50 seconds at 45 °C and immediately returned to ice for 2 minutes. To each tube 950 µL of room temperature SOC medium (see Appendix 3 for recipe) was added. Tubes were shaken at 150 rpm for 1.5 hours at 37 °C before aliquots were plated onto LB medium with ampicillin, X-gal and IPTG. Plates were incubated at 27 °C overnight then stored at 4 °C.

Appendix 7 Recipes and preparation of laboratory reagents.

A7.1 1 M Tris-HCl (Sambrook, Fritsch et al. 1989)

- 60.55 g of Tris base (Sigma-Aldrich Pty Ltd, Castle Hill, NSW) was dissolved in 400 mL of 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia), on the heat stirrer
- pH was adjusted to the desired value by adding concentrated HCl
- volume was made up to 500 mL and final adjustment for pH made
- solution was dispensed into a bleached bottle and sterilised by autoclaving.

A7.2 0.5 M EDTA (Sambrook, Fritsch et al. 1989)

- 186.1 g of Na_2EDTA (Merck Chemicals Australia, Kilsyth, Victoria) was dissolved in 800 mL 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia)
- the solution was stirred vigorously on magnetic stirrer (the heater was not used)
- pH was adjusted to 8.0 by adding ~20 g NaOH (ChemSupply, Gillman, South Australia) little by little until the desired pH was reached (EDTA will not dissolve into solution until pH is adjusted to 8.0)
- volume was adjusted to 1 L with 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia)
- solution was dispensed into a bleached bottle and sterilised by autoclaving.

A7.3 5 M NaCl (Sambrook, Fritsch et al. 1989)

- 146 g of NaCl (BDH, Kilsyth, Victoria, Australia) was dissolved into 400 mL of 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia)
- volume was adjusted to 500 mL
- solution was dispensed into a bleached bottle and sterilised by autoclaving.

A7.4 10% SDS (Sambrook, Fritsch et al. 1989)

- 50 g of sodium lauryl sulphate (SDS) (BDH, Poole, England) was dissolved into 400 mL of 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia)
- volume was adjusted to 500 mL
- solution was dispensed into a bleached bottle.

A7.5 50X TAE (Sambrook, Fritsch et al. 1989)

- 242 g of Tris base (Sigma-Aldrich Pty Ltd, Castle Hill, NSW) was dissolved into 700 mL milliQ water
- 57.1 mL glacial acetic acid was added
- 100 mL 0.5 M EDTA pH 8.0 was added
- Volume was adjusted to 1 L with milliQ water
- Solution was dispensed into a clean bottle and sterilised by autoclaving.

A7.6 Extraction buffer (Raeder and Broda 1985)

- 200 mL of 1 M Tris HCl pH 8.5
- 50 mL of 5 M NaCl
- 50 mL of 0.5 M EDTA
- 50 mL of 10 % SDS, and
- 650 mL of 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia)

were dispensed into a bleached bottle. The solution was stored at room temperature. If SDS precipitated, the solution was briefly warmed in a water-bath.

A7.7 Wash solution (Sambrook, Fritsch et al. 1989)

- 10 mL 1 M Tris HCl pH 8.5
- 2 mL 1 mM EDTA
- 20 mL 100 mM NaCl
- 500 mL 50 % EtOH, and
- 468 mL of 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia)

were dsipensed into a bleached bottle. Solution was stored at room temperature.

A7.8 NaI solution (Sambrook, Fritsch et al. 1989)

- 100 g of NaI (BDH, Poole, England) was dissolved in 80 mL 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia
- 1.5 g sodium sulphite (Standard Laboratories, Melbourne, Australia) was added
- solution was filtered through a Whatman No. 1 filter
- volume was adjusted to 100 mL
- solution was stored at 4 ^{o}C in a bleached opaque bottle or wrapped clear bottle
- if the solution turned yellow a little more sodium sulphite was added.

A7.9 Glass milk (Boyle and Lew, 1995)

- 10 g of silica (Sigma-Aldrich Pty Ltd, Castle Hill, NSW) was mixed with 100 mL of phosphate buffer saline (PBS) and was allowed to settle for 2 h
- supernatant was removed and the pellet was again mixed with 100 mL PBS and left to settle for 2 h
- the solution was centrifuged at 2000 g for 2 minutes
- the silica pellet was re-suspended in 3 M NaI at 100 mg/mL
- the suspension was stored in the dark at 4 ^{o}C.

A7.10 Phosphate Buffered Saline (Sambrook, Fritsch et al. 1989)

- 80 g of NaCl (BDH, Poole, England), 2 g KCl (Biolabs Australia, Clayton, Victoria), 14.4 g of Na_2HPO_4 (Merck Chemicals Australia, Kilsyth, Victoria), and 2.4 g of KH_2PO_4 (BDH, Poole, England) were dissolved in 800 mL of 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia)
- pH was adjusted to 7.4 by adding HCl
- volume was adjusted to 1 L with 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia)
- buffer was sterilised by autoclaving.

A7.11 TE buffer (Sambrook, Fritsch et al. 1989)

- 5 mL of 1 M Tris HCL pH 8.5
- 1 mL of 500 mM EDTA, and
- 496 mL of 'water for irrigation' (Baxter Healthcare, Toongabbie, Australia)

were dispensed into a bleached bottle. Solution was stored at room temperature.

A7.12 1% LB Medium with ampicillin (Sambrook, Fritsch et al. 1989)

- 10 g of tryptone (Oxoid, Basingstoke, England), 5 g of yeast extract (Difco, Detroit, MI, USA), 5 g of NaCl (BDH Chemicals Australia, Kilsyth, Victoria) and 10 g of agar (Gelita, Beaudesert, Queensland), were dissolved in distilled water to a final volume of 1 L
- pH was adjusted to 7.0 by adding NaOH (ChemSupply, Gillman, South Australia)
- medium was sterlised by autoclaving
- immediately prior to pouring into the petri plate, 2 mL of 50 mg/mL ampicillin was added.

A7.13 SOC Medium (Promega, 2009)

- 20 g of tryptone (Oxoid, Basingstoke, England), 5 g of yeast extract (Difco, Detroit, MI, USA), and 0.58 g NaCl (BDH Chemicals Australia, Kilsyth, Victoria) were dissolved in 950 mL of deionized water and
- 10 mL of 250 mM KCl (1.86 g KCl (Biolabs Australia, Clayton, Victoria) dissolved in 100 mL deionized water) was added
- pH was adjusted to 7.0 by adding NaOH (ChemSupply, Gillman, South Australia)
- volume was adjusted to 980 mL with deionized water
- bottle was sterilised by autoclaving.

Before use:

- 10 mL of sterile 2 M Mg^{2+} stock (20.33 g $MgCl_2 \cdot 6H_2O$ (BDH Chemicals, Poole, England) and 24.65g $MgSO_4 \cdot 7H_2O$ (Merck, Kilsyth, Victoria) dissolved in 90 mL deionized H_20, volume adjusted to 100mL and solution filter-sterilised) was added
- 10 mL sterile 2 M glucose (Ajax Chemicals, Melbourne, Victoria) was dissolved in 90mL of deionized H_20. Volume was adjusted to 100 mL after the sugar had dissolved and the solution was filter-sterilised) was added.

A7.14 0.1 M IPTG (Promega 2009)

- 1. 2 g of IPTG (Bioline, London, UK) was dissolved in 45 mL of distilled water
- volume was adjusted to 50 mL and the solution filter-sterilised.

A7.15 10 % Gycerol (Sambrook, Fritsch et al. 1989)

10 mL of molecular biology grade glycerol (BDH Chemicals Australia, Kilsyth, Victoria) was diluted in 90 mL of sterile water and sterilised by autoclaving.

A7.16 Bromophenol Blue Loading Buffer (Sambrook, Fritsch et al. 1989)

0.25 g of bromophenol blue (Bio-Rad Laboratories, Richmond, CA, USA) was dissolved in 1 mL of 50 % gycerol in sterile water. The solution was stored at room temperature.

References

Boyle, J.S. and Lew, A. M. (1995). " An inexpensive alternative to glassmilk for DNA purification." Trends Genet. **11(1):**8

Promega (2009). pGEM-T and pGEM-T Easy Vector Systems Technical Manual. Available from http://www.promega.com/tbs/tm042/tm042.pdf Accessed 22/11/2010.

Raeder, U. and Broda, P. (1985). "Rapid preparation of DNA from filamentous fungi." Letters in Applied Microbiology **1**: 17-20.

Sambrook, J., Fritsch, E. F. and Maniatis, T. (1989). Molecular cloning: A Laboratory Manual. Cold Spring Hoarbor, NY., Cold Spring Laboratory Press.

Appendix 8 Examples of PCR- RFLP profiles of the soil samples.

Agarose gels were stained with 1 µg/mL ethidium bromide (MoBio Laboratories, Carlsbad, California) and photographed with a Vilber Lourmat camera (Cedex, France) under UV light. Each well contains a single sample of DNA cloned and amplified from one of the nine soil samples, which was cleaved using the restriction enzymes *Alu*1 or *Taq*1 (Table A9.1).

Table A8.1. Summary of soil samples corresponding transformation reactions and number of clones analysed by PCR-RFLP. Agarose gels of PCR-RFLP digests are shown, below, for clones in shaded rows.

Soil samples	**Transformation**	**No. of clones**
Five soil cores from plot N1	L0903 (Pooled PCR products from 5 soil samples)	38
Five soil cores from plot N7	L0904 (Pooled PCR products from 5 soil samples)	37
Five soil cores from plot N50	L0905 (Pooled PCR products from 5 soil samples)	38
Five soil cores from plot S1	L0957 (Pooled PCR products from 5 soil samples)	48
Five soil cores from plot S7	L0906 (Pooled PCR products from 5 soil samples)	28
Five soil cores from plot S50	L0954 (Pooled PCR products from 5 soil samples)	48
Five soil cores from plot E1	L0956 (Pooled PCR products from 5 soil samples)	47
Five soil cores from plot E7	L0953 (Pooled PCR products from 5 soil samples)	47
Five soil cores from plot E50	L0955 (Pooled PCR products from 5 soil samples)	36

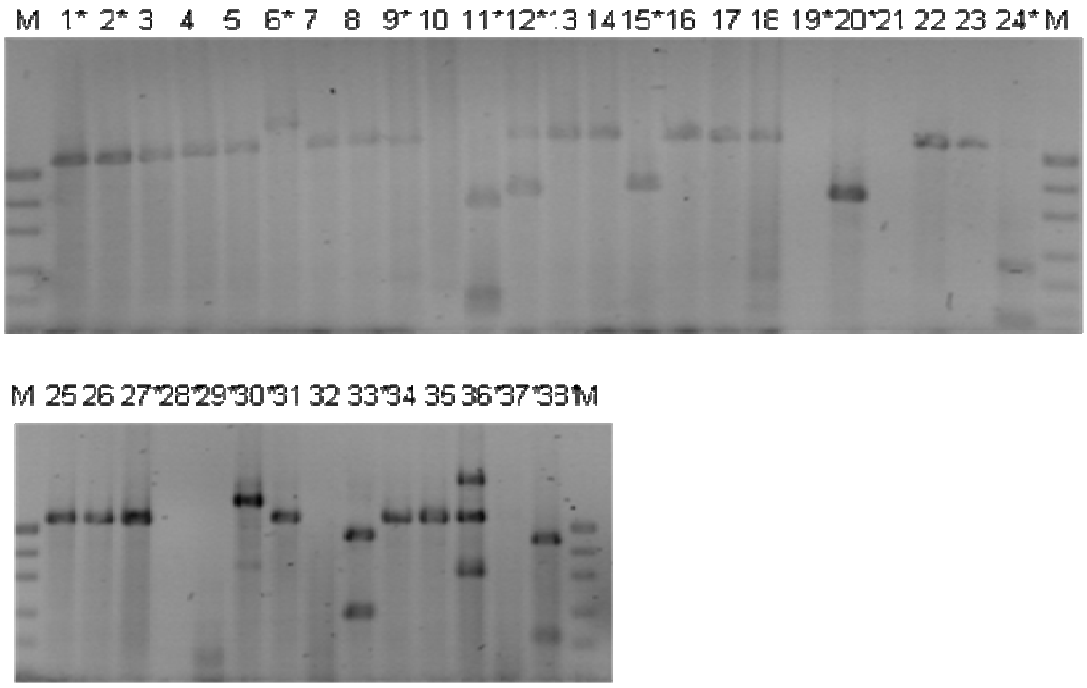


Figure A8.1 PCR-RFLP digestion of clone inserts from Sample N1, digested with *Alu*I (Promega, Madison, USA). Lanes contain: M, molecular size marker pUC-H2 (Fisher Biotech, Wembley, Australia), showing fragments of 501/489, 404, 331, 242, 190 and 147; 1 p0903-1-3*; 2 p0903-1-5*; 3 p0903-1-7; 4 p903-1-8; 5 p0903-1-9; 6 p0903-1-12*; 7 p0903-1-13; 8 p0903-1-18; 9 p0903-1-20*; 10 p0903-2-1; 11 p0903-2-2*; 12 p0903-2-3*;13 p0903-2-6;14 p0903-2-9;15 p0903-2-11*;16 p0903-2-13; 17 p09032-16; 18 p0903-2-17; 19 p0903-2-26*; 20 p0903-2-3-1*; 21 p0903-3-3; 22 p0903-3-4; 23 p0903-3-5; 24 p0903-3-6*; 25 p0903-3-8; 26 p0903-3-10; 27 p0903-3-14*; 28 p0903-3-16*; 29 p09033-19*; 30 p0903-3-22*; 31 p0903-3-23; 32 p0903-3-24; 33 p0903-3-28*; 34 p0903-3-29; 35 p0903-3-31; 36 p0903-3-32*; 37 p0903-3-33*; 38 p0903-1-6*.

* indicates clones that were sequenced.

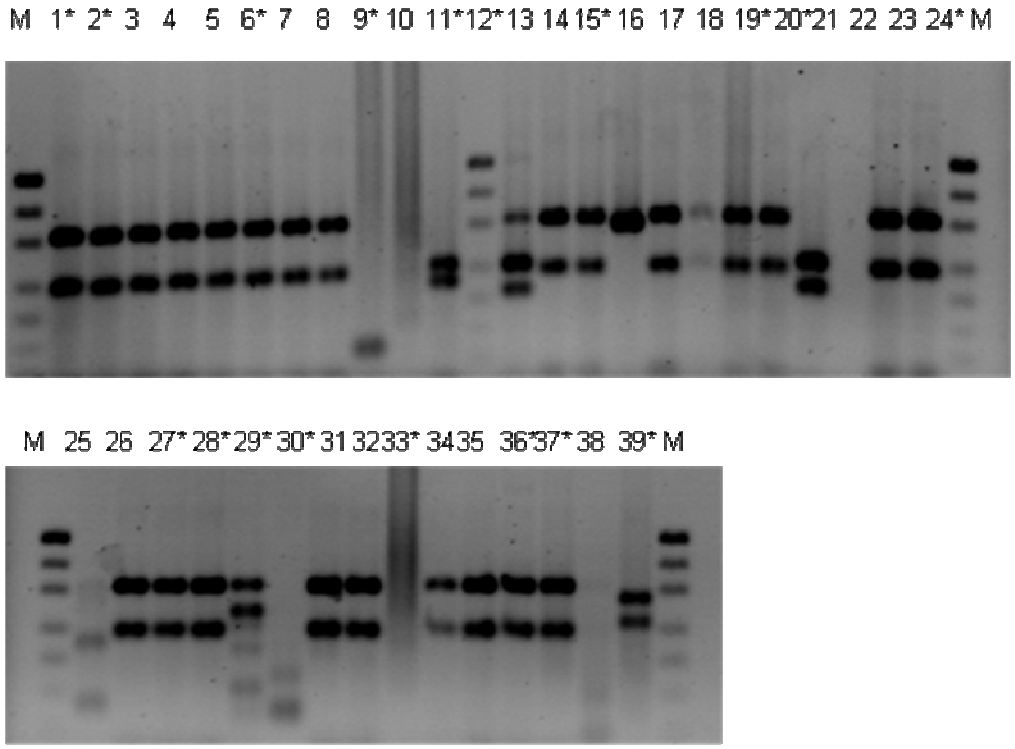


Figure A8.2. PCR-RFLP digestion of clone inserts from Sample N1, digested with *Taq*1 (Promega, Madison, USA). Lanes contain: M, molecular size marker pUC-H2 (Fisher Biotech, Wembley, Australia), showing fragments of 501/489, 404, 331, 242, 190 and 147; 1 p0903-1-3*; 2 p0903-1-5*; 3 p0903-1-7; 4 p903-1-8; 5 p0903-1-9; 6 p0903-1-12*; 7 p0903-1-13; 8 p0903-1-18; 9 p0903-1-20*; 10 p0903-2-1; 11 p0903-2-2*; 12 p0903-2-3*;13 p0903-2-6;14 p0903-2-9;15 p0903-2-11*;16 p0903-2-13; 17 p09032-16; 18 p0903-2-17; 19 p0903-2-26*; 20 p0903-2-3-1*; 21 p0903-3-3; 22 p0903-3-4; 23 p0903-3-5; 24 p0903-3-6*; 25 p0903-3-8; 26 p0903-3-10; 27 p0903-3-14*; 28 p0903-3-16*; 29 p09033-19*; 30 p0903-3-22*; 31 p0903-3-23; 32 p0903-3-24; 33 p0903-3-28*; 34 p0903-3-29; 35 p0903-3-31; 36 p0903-3-32*; 37 p0903-3-33*; 38 empty; 39 p0903-1-6*.

* indicates clones that were sequenced.

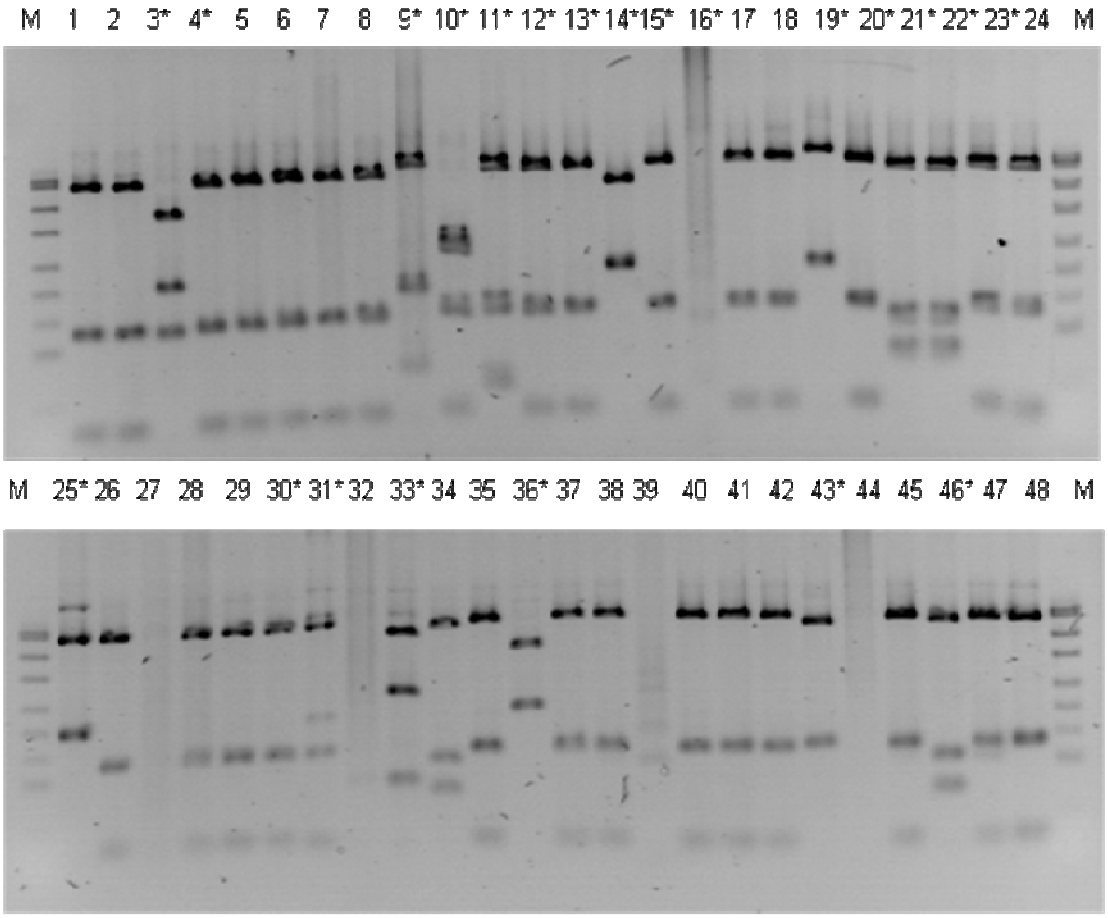


Figure A8.3 PCR-RFLP digestion of clone inserts from Sample S1, digested with *Alu*I. Lanes contain: M, molecular size marker pUC-H2, showing fragments of 501/489, 404, 331, 242, 190 and 147; 1 p0957-1-16; 2 p0957-2-4; 3 p0957-1-11*; 4 p0957-2-9*; 5 p0957-1-9; 6 p0957-2-2; 7 p0957-1-5; 8 p0957-1-30; 9 p0957-1-4*; 10 p0957-1-25*; 11 p0957-1-3*; 12 p0957-1-20*; 13 p0957-1-2*; 14 p0957-1-19*; 15 p0957-1-1*; 16 p0957-1-17*; 17 p0957-1-16; 18 p0957-2-22; 19 p0957-2-23*; 20 p0957-2-27*; 21 p0957-2-28*; 22 p0957-2-29*; 23 p0957-2-30*; 24 p0957-2-3;3 25 p0957-3-19*; 26 p0957-4-1; 27 p0957-3-15; 28 p0957-3-32; 29 p0957-3-12; 30 p0957-3-31*; 31 p0957-3-11*; 32 p0957-3-30; 33 p0957-3-8*; 34 p0957-3-29; 35 p0957-3-6; 36 p0957-3-26*; 37 p0957-3-3; 38 p0957-3-25; 39 p0957-3-2; 40 p0957-3-20; 41 p0957-4-4; 42 p0957-4-6; 43 p0957-4-7*; 44 p0957-4-8; 45 p0957-4-9; 46 p0957-4-10*; 47 p0957-4-11; 48 p0957-4-15.

* indicates clones that were sequenced.

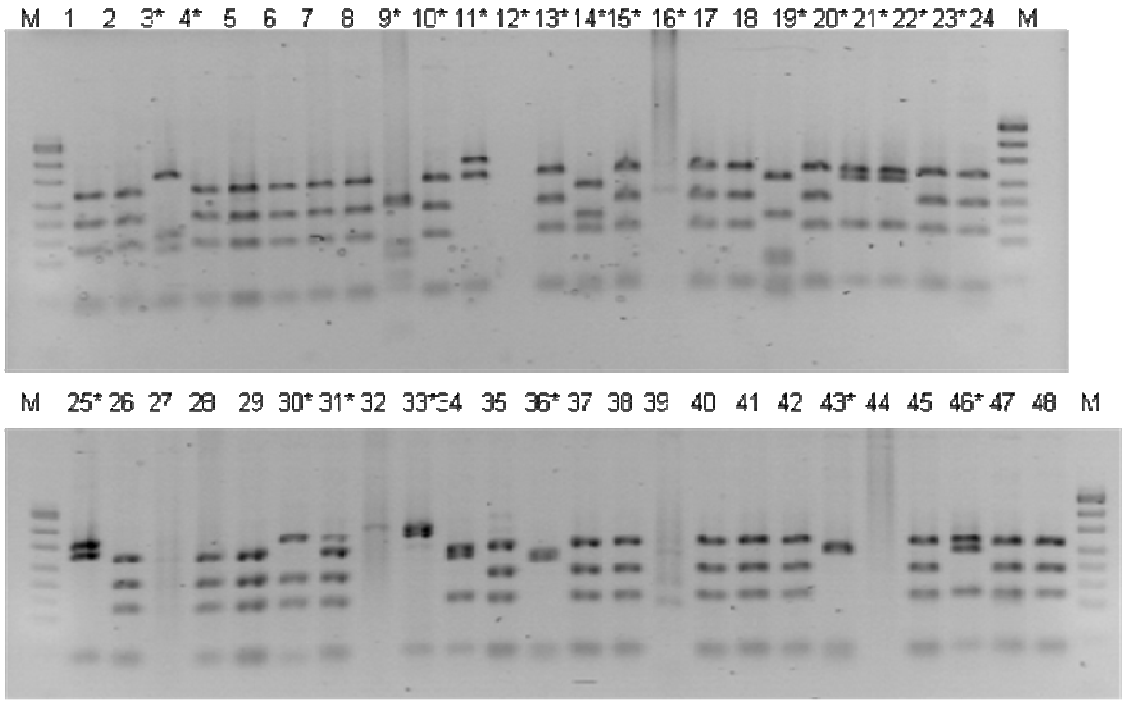


Figure A8.4 PCR-RFLP digestion of clone inserts from Sample S1, digested with *Taq*I. Lanes contain: M, molecular size marker pUC-H2, showing fragments of 501/489, 404, 331, 242, 190 and 147; 1 p0957-1-16; 2 p0957-2-4; 3 p0957-1-11*; 4 p0957-2-9*; 5 p0957-1-9; 6 p0957-2-2; 7 p0957-1-5; 8 p0957-1-30; 9 p0957-1-4*; 10 p0957-1-25*; 11 p0957-1-3*; 12 p0957-1-20*; 13 p0957-1-2*; 14 p0957-1-19*; 15 p0957-1-1*; 16 p0957-1-17*; 17 p0957-1-16; 18 p0957-2-22; 19 p0957-2-23*; 20 p0957-2-27*; 21 p0957-2-28*; 22 p0957-2-29*; 23 p0957-2-30*; 24 p0957-2-3;3 25 p0957-3-19*; 26 p0957-4-1; 27 p0957-3-15; 28 p0957-3-32; 29 p0957-3-12; 30 p0957-3-31*; 31 p0957-3-11*; 32 p0957-3-30; 33 p0957-3-8*; 34 p0957-3-29; 35 p0957-3-6; 36 p0957-3-26*; 37 p0957-3-3; 38 p0957-3-25; 39 p0957-3-2; 40 p0957-3-20; 41 p0957-4-4; 42 p0957-4-6; 43 p0957-4-7*; 44 p0957-4-8; 45 p0957-4-9; 46 p0957-4-10*; 47 p0957-4-11; 48 p0957-4-15.

* indicates clones that were sequenced.

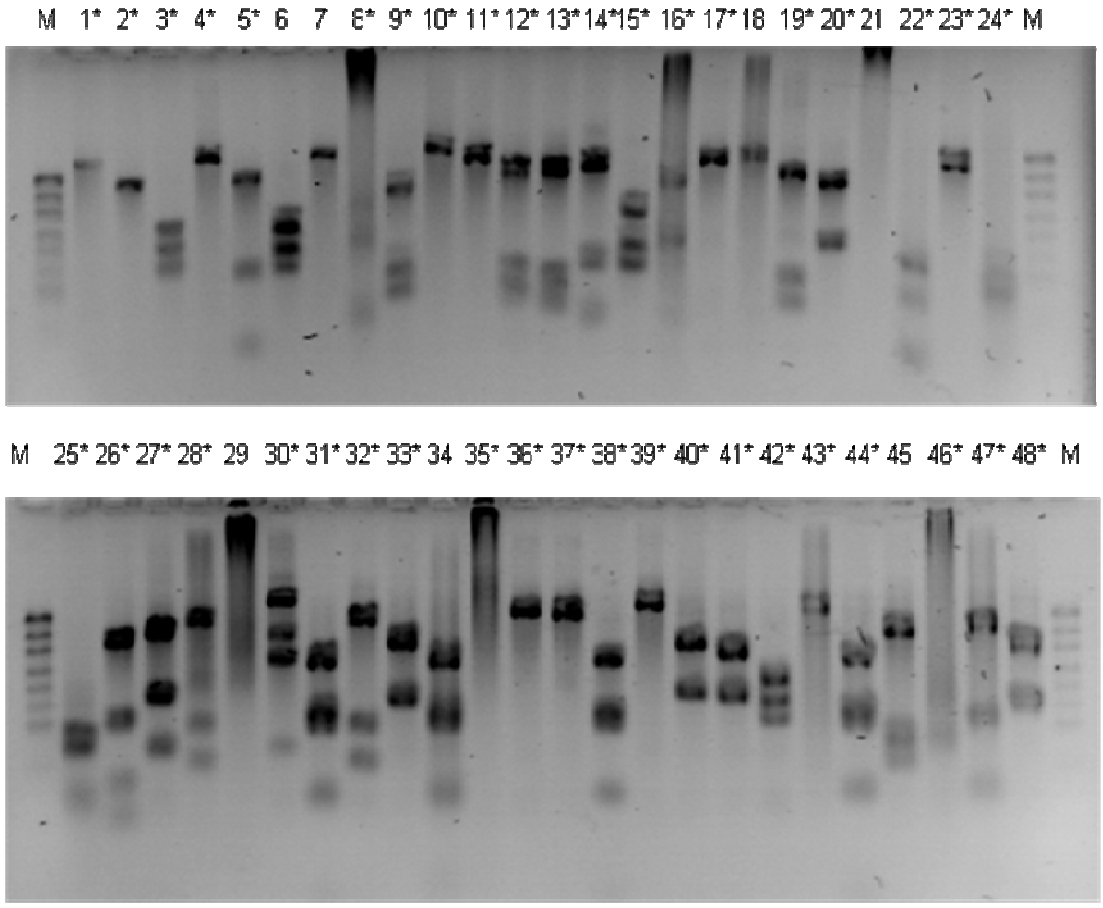


Figure A8.5 PCR-RFLP digestion of clone inserts from Sample S50, digested with *Alu*I (Promega, Madison, USA). Lanes contain: M, molecular size marker pUC-H2 (Fisher Biotech, Wembley, Australia), showing fragments of 501/489, 404, 331, 242, 190 and 147; 1 p0954-4-19*, 2 p0954-1-1*; 3 p0954-1-2*; 4 p0954-1-3*; 5 p0954-1-4*; 6 p0954-1-5; 7 p0954-1-6; 8 p0954-1-7*; 9 p0954-1-10*; 10 p0954-1-12*; 11 p0954-1-13*; 12 p0954-1-14*; 13 p0954-1-17*; 14 p0954-1-18*; 15 p0954-1-19*; 16 p09541-21*; 17 p0954-1-24*; 18 p0954-1-27; 19 p0954-2-2*; 20 p0954-2-5*; 21 p0954-2-6; 22 p0954-2-7*; 23 p0954-2-9*; 24 p0954-2-13*; 25 p0954-2-16*; 26 p0954-2-19*; 27 p0954-2-22*; 28 p0954-2-23*; 29 p0954-2-24; 30 p0954-2-25*; 31 p0954-2-28*; 32 p0954-2-30*; 33 p0954-3-1*; 34 p0954-3-2; 35 p0954-3-4*; 36 p0954-3-5*; 37 p0954-3-7*; 38 p0954-3-9*; 39 p0954-3-10*; 40 p0954-3-12*; 41 p0954-3-15*; 42 p0954-3-16*; 43 p0954-3-17*; 44 p0954-3-19*; 45 p0954-3-21*; 46 p0954-3-24*; 47 p0954-3-26*; 48 p0954-3-28*.

* indicates clones that were sequenced.

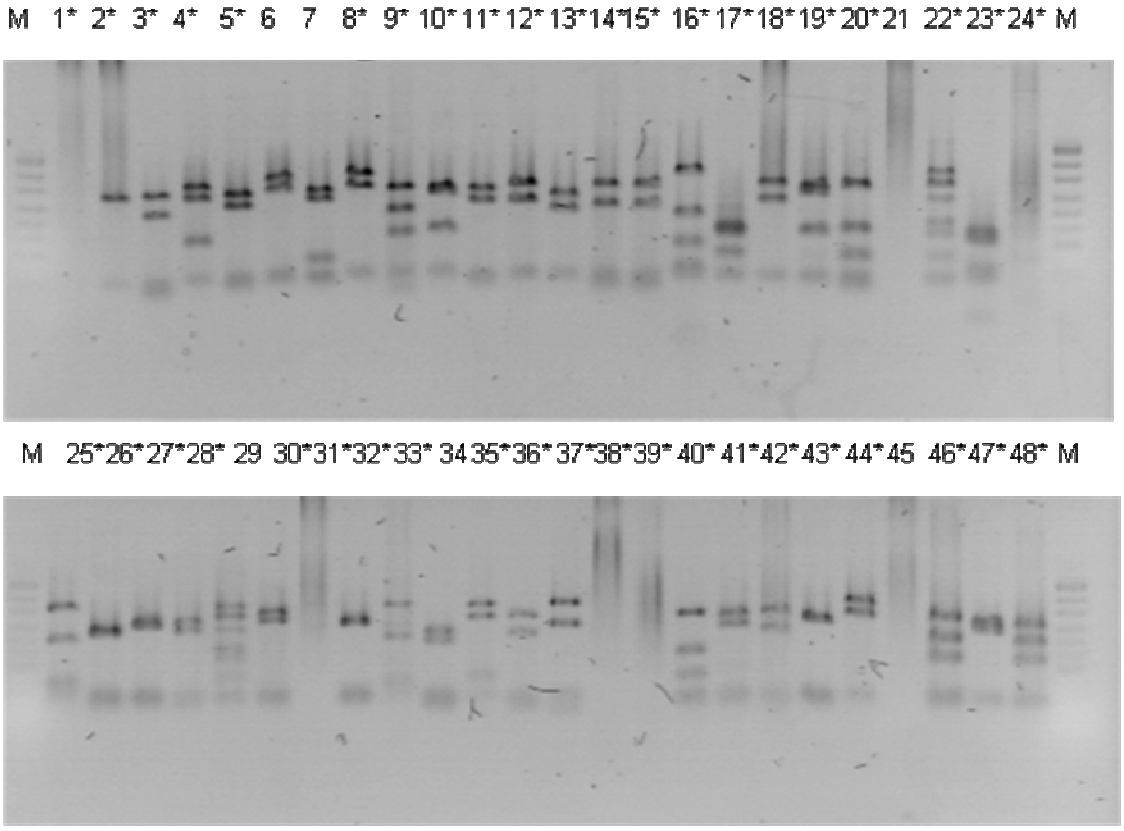


Figure A8.6 PCR-RFLP digestion of clone inserts from Sample S50, digested with *Taq*I (Promega, Madison, USA). Lanes contain: M, molecular size marker pUC-H2 (Fisher Biotech, Wembley, Australia), showing fragments of 501/489, 404, 331, 242, 190 and 147; 1 p0954-4-19*, 2 p0954-1-1*; 3 p0954-1-2*; 4 p0954-1-3*; 5 p0954-1-4*; 6 p0954-1-5; 7 p0954-1-6; 8 p0954-1-7*; 9 p0954-1-10*; 10 p0954-1-12*; 11 p0954-1-13*; 12 p0954-1-14*; 13 p0954-1-17*; 14 p0954-1-18*; 15 p0954-1-19*; 16 p09541-21*; 17 p0954-1-24*; 18 p0954-1-27; 19 p0954-2-2*; 20 p0954-2-5*; 21 p0954-2-6; 22 p0954-2-7*; 23 p0954-2-9*; 24 p0954-2-13*; 25 p0954-2-16*; 26 p0954-2-19*; 27 p0954-2-22*; 28 p0954-2-23*; 29 p0954-2-24; 30 p0954-2-25*; 31 p0954-2-28*; 32 p0954-2-30*; 33 p0954-3-1*; 34 p0954-3-2; 35 p0954-3-4*; 36 p0954-3-5*; 37 p0954-3-7*; 38 p0954-3-9*; 39 p0954-3-10*; 40 p0954-3-12*; 41 p0954-3-15*; 42 p0954-3-16*; 43 p0954-3-17*; 44 p0954-3-19*; 45 p0954-3-21*; 46 p0954-3-24*; 47 p0954-3-26*; 48 p0954-3-28*.

* indicates clones that were sequenced.

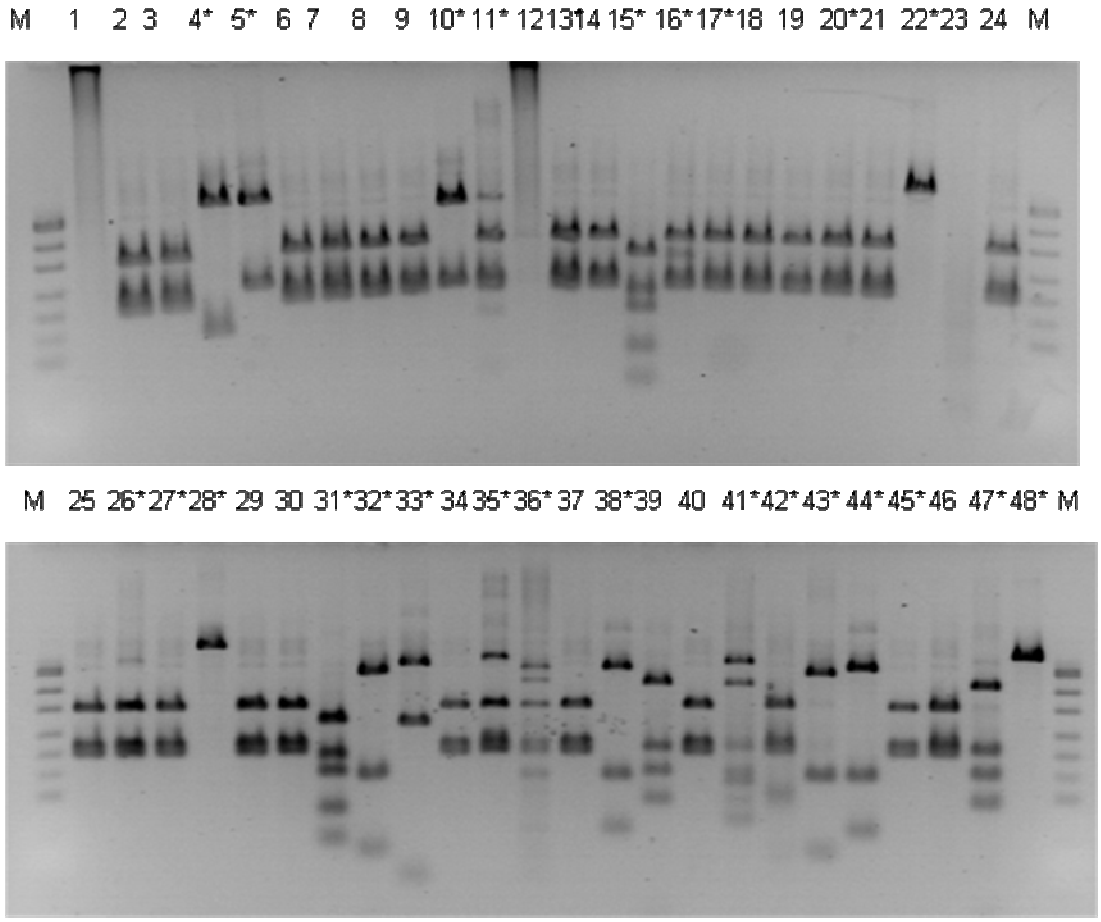


Figure A8.7 PCR-RFLP digestion of clone inserts from Sample E1, digested with *Alu*I. Lanes contain: M, molecular size marker pUC-H2, showing fragments of 501/489, 404, 331, 242, 190 and 147; 1 p0956-1-18; 2 p0956-2-29; 3 p0956-1-23; 4 p0956-2-26*; 5 p0956-1-19*; 6 p0956-2-24; 7 p0956-1-15; 8 p0956-2-20; 9 p0956-1-12; 10 p0956-2-12*; 11 p0956-1-9*; 12 p0956-2-9; 13 p0956-1-6*; 14 p0956-2-6; 15 p0956-1-4*; 16 p0956-2-3*; 17 p0956-3-2*; 18 p0956-3-4; 19 p0956-3-9; 20 p0956-3-11*; 21 p0956-3-16; 22 p0956-3-17*; 23 p0956-2-24; 24 p0956-3-32; 25 p0956-3-30; 26 p0956-4-33*; 27 p0956-3-28*; 28 p0956-4-24*; 29 p0956-3-25; 30 p0956-4-20; 31 p0956-3-20*; 32 p0956-4-15*; 33 p0956-3-16*; 34 p0956-4-13; 35 p0956-3-12*; 36 p0956-4-8*; 37 p0956-3-9; 38 p0956-4-6*; 39 p0956-3-4; 40 p0956-4-4; 41 p0956-5-1*; 42 p0956-5-5*; 43 p0956-5-8*; 44 p0956-5-12*; 45 p0956-5-14*; 46 p0956-5-16; 47 p0956-5-17*; 48 p0956-5-6*.

* indicates clones that were sequenced.

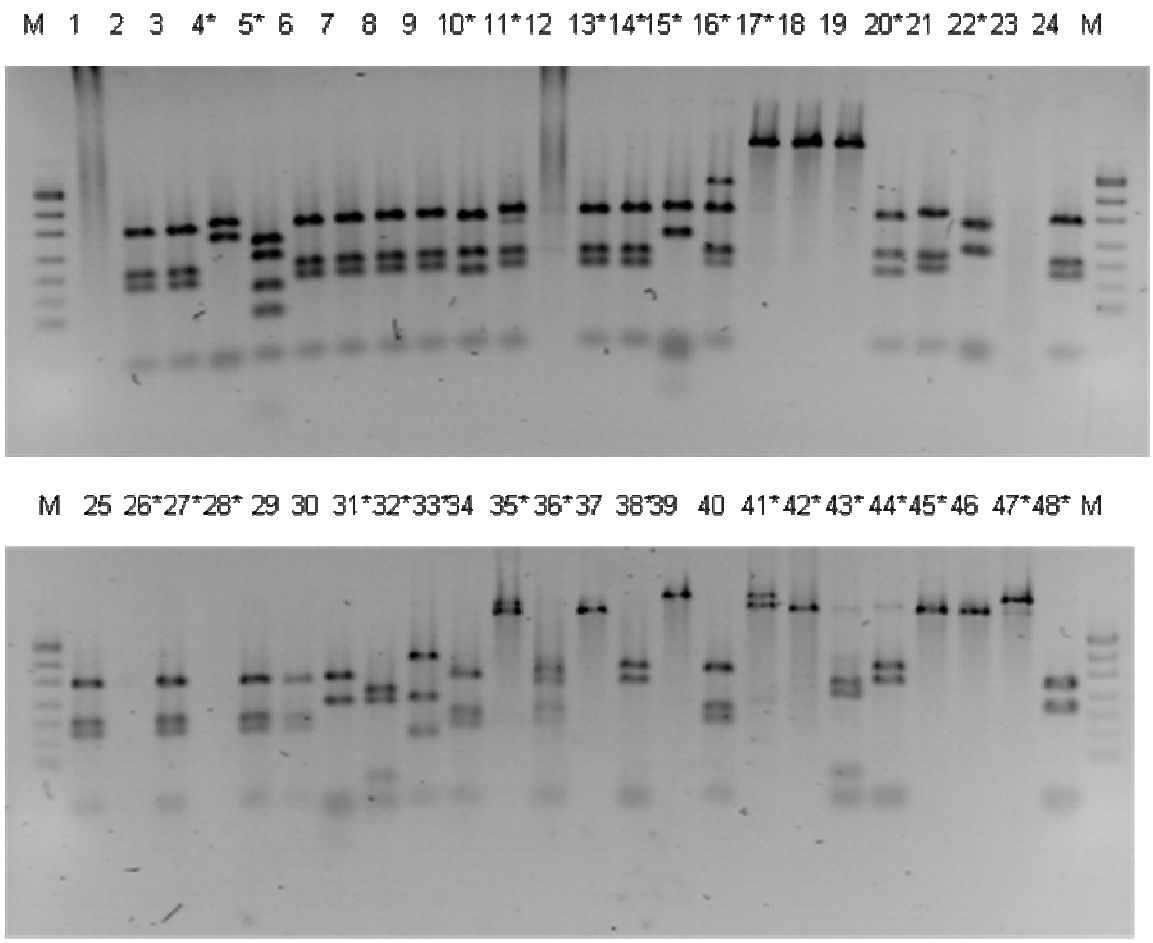


Figure A8.8 PCR-RFLP digestion of clone inserts from Sample E1, digested with *Taq*I. Lanes contain: M, molecular size marker pUC-H2, showing fragments of 501/489, 404, 331, 242, 190 and 147; 1 p0956-1-18; 2 p0956-2-29; 3 p0956-1-23; 4 p0956-2-26*; 5 p0956-1-19*; 6 p0956-2-24; 7 p0956-1-15; 8 p0956-2-20; 9 p0956-1-12; 10 p0956-2-12*; 11 p0956-1-9*; 12 p0956-2-9; 13 p0956-1-6*; 14 p0956-2-6; 15 p0956-1-4*; 16 p0956-2-3*; 17 p0956-3-2*; 18 p0956-3-4; 19 p0956-3-9; 20 p0956-3-11*; 21 p0956-3-16; 22 p0956-3-17*; 23 p0956-2-24; 24 p0956-3-32; 25 p0956-3-30; 26 p0956-4-33*; 27 p0956-3-28*; 28 p0956-4-24*; 29 p0956-3-25; 30 p0956-4-20; 31 p0956-3-20*; 32 p0956-4-15*; 33 p0956-3-16*; 34 p0956-4-13; 35 p0956-3-12*; 36 p0956-4-8*; 37 p0956-3-9; 38 p0956-4-6*; 39 p0956-3-4; 40 p0956-4-4; 41 p0956-5-1*; 42 p0956-5-5*; 43 p0956-5-8*; 44 p0956-5-12*; 45 p0956-5-14*; 46 p0956-5-16; 47 p0956-5-17*; 48 p0956-5-6*.

* indicates clones that were sequenced.

Appendix 9 Fungal OTUs sampled from soil collected from *E. delegatensis* forest plots. Public database sequence names are given as shown in the public database but OTUs were named according to taxonomy described in the methods.

A9.1 Ascomycota

Life mode codes are M – mycorrhizal, m - presumed mycorrhizal, S – saprotrophic, s – presumed saprotrophic, P – parasitic, U – unknown.

Order	Family	OTU	Life Mode	GenBank sequence match	Blast match (best)
Helotiales		Helotiales sp. 11	m	Helotiales sp. FM180478	374/396 of 411 (94%)
Helotiales		Helotiales sp. 12	m	Helotiales sp. FM180478	269/283 of 538 (95%)
Helotiales		Helotiales sp. 13	m	Ascomycete sp. AY781244	342/368 of 712 (93%)
Helotiales		Helotiales sp. 14	m	Fungal sp. EU240043	480/508 of 548 (94%)
Helotiales		Helotiales sp. 17	m	Helotiales sp. FM180478	447/468 of 543 (96%)
Helotiales		Helotiales sp. 18	m	Ascomycete sp. AY781244	337/369 of 715 (91%)
Hypocreales	Clavicipitaceae	Clavicipitaceae sp. 1	s	*Tolypocladium cylindrosporum* AJ303055	282/317 of 656 (89%)
Hypocreales	Nectriaceae	*Neonectria* sp. 1	P	*Neonectria* sp. EF601622	521/524 of 531 (99%)
Hypocreales	Nectriaceae	*Neonectria* sp. 2	P	*Neonectria radicicola* FJ861415	268/332 of 509 (81%)
Saccharomycetales		Saccharomycetales sp. 1	U	*Stephanoascus smithiae* AJ606463	158/167 of 456 (95%)
Saccharomycetales		Saccharomycetales sp. 2	U	Uncultured Saccharomycetes FJ554336	366/407 of 693 (90%)
		Leohumicola sp. 1	U	*Leohumicola minima* AY706329	522/534 of 535 (98%)
		Ascomycete sp. 4	U	Ascomycota sp. FJ039690	402/441 of 539 (91%)
		Ascomycete sp. 5	U	Ascomycete sp. AY568066	487/516 of 519 (94%)
		Ascomycete sp. 9	m	Root-associated fungal sp. EU677763	228/240 of 550 (95%)

Order	Family	OTU	Life Mode	GenBank sequence match	Blast match (best)
		Ascomycete sp. 15	m	*Roccellographa cretacea* AF138825	567/572 of 615(99%)
		Ascomycete sp. 16	s	*Sympodiomycopsis* sp. AM946763	159/165 of 749 (96%)
		Ascomycete sp. 17	U	Soil fungal sp. EU076938	370/399 of 528 (93%)
		Ascomycete sp. 19	U	Uncultured *Hymenoscyphus* genes AB456655	181/236 of 255 (77%)

A9.2 Basidiomycota

Life mode codes are M – mycorrhizal, m - presumed mycorrhizal, S – saprotrophic, s – presumed saprotrophic, P – parasitic, U – unknown.

Order	Family	OTU	Life Mode	GenBank sequence match	Blast match (best)
Agaricales		Agaricales sp. 6	U	*Mycolevis siccigleba* AY963567	166/168 of 644(99%)
Agaricales	Agaricaceae	Agaricaceae sp. 1	S	*Melanophyllum eyrei* AY176493	654/704 (93%)of 704
Agaricales	Agaricaceae	Agaricaceae sp. 2	s	Lepiotaceae sp. EF527384	353/383 of 646 (92%)
Agaricales	Bolbitaceae	*Setchelliogaster* sp. 2	M	*Setchelliogaster* sp. DQ328174	673/684 of 690 (98%)
Agaricales	Cortinariaceae	*Cortinarius* aff. *piriformis*	M	*Thaxterogaster piriformis* DQ328106	660/663 of 663 (100%)
Agaricales	Cortinariaceae	*Cortinarius* sp. 64	M	*Cortinarius dulciolens* AF325610	623/653 of 686 (95%)
Agaricales	Cortinariaceae	*Cortinarius* sp. 80	M	*Cortinarius amoenus* AF389160	592/633 of 631 (94%)
Agaricales	Entolomataceae	*Entoloma* sp. 4	U	*Entoloma chalybaeum* var. l*azulinum* EU784214	373/402 of 602 (93%)
Agaricales	Entolomataceae	*Entoloma* sp. 5	U	*Entoloma cetratum* EU784213	597/655 of 658 (91%)
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	M	*Laccaria amethystina* EU819476	632/659 of 655 (96%)
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	M	*Laccaria laccata* AJ699075	598/605 of 678 (99%)

Order	Family	OTU	Life Mode	GenBank sequence match	Blast match (best)
Agaricales	Hydnangiaceae	*Laccaria* sp. 9	M	Uncultured ectomycorrhiza (*Laccaria*) EF634114	654/668 of 675 (98%)
Agaricales	Inocybaceae	*Inocybe* sp. 3	M	*Inocybe sambucina* AM882757	235/254 of 674 (93%)
Agaricales	Tricholomataceae	*Rhodocollybia* sp. 1	S	*Rhodocollybia butyracea* EU486454	601/631 of 778 (95%)
Agaricales	Tricholomataceae	Tricholomataceae sp. 1	M	*Lepista personata* AF241522	200/205 of 695 (98%)
Agaricales	Tricholomataceae	Tricholomataceae sp. 2	M	Tricholomataceae sp. EU819536	263/283 of 639 (93%)
Cantharellales	Cantharellaceae	Cantharellaceae sp. 1	U	*Craterellus lutescens* AY082606	284/305 of 810 (93%)
Cantharellales	Clavulinaceae	*Clavulina* sp. 7	M	*Clavulina* cf. Cristata DQ974710	575/614 of 680 (94%)
Cantharellales	Clavulinaceae	Clavariaceae sp. 1	M	Clavulinopsis *helvola* EU118617	291/310 of 608 (94%)
Russulales	Russulaceae	*Arcangeliella* sp. 2	M	*Arcangeliella camphorata* EU846241	415/438 of 654 (95%)
Russulales	Russulaceae	*Russula* sp. 2	M	*Russula neerimea* EU019915	520/549 of 638 (95%)
Russulales	Russulaceae	*Russula* sp. 4	M	*Russula vesca* DQ422018	663/671 of 672 (99%)
Russulales	Russulaceae	*Russula* sp. 5	M	*Russula* sp. EU019920	399/412 of 729 (97%)
Russulales	Russulaceae	*Russula* sp. 9	M	*Russula vesca* AF418610	657/665 of 665 (99%)
Russulales	Russulaceae	*Russula* sp. 13	M	*Russula* aff. d*elica* DQ422005	345/386 of 610 (89%)
Russulales	Russulaceae	*Russula* sp. 14	M	*Russula* aff. d*elica* DQ422005	631/678 of 677 (93%)
Russulales	Russulaceae	Russulaceae sp. 7	M	*Russula* aff. *pilosella* EU019932	393/531of 637 (75%)
Russulales	Russulaceae	Russulaceae sp. 8	M	*Russula* aff. *pilosella* EU019932	539/544 of 662 (99%)
Russulales	Russulaceae	*Zelleromyces* sp. 1	M	*Lactarius* sp. AY456343	618/640 of 691 (97%)
Sebacinales	Sebacinaceae	*Sebacina* sp. 4	M	*Sebacina* sp. AF465191	563/612 of 601 (92%)
Sebacinales	Sebacinaceae	*Sebacina* sp. 5	M	*Sebacina vermifera* AF202728	169/171 of 929 (99%)
Sebacinales	Sebacinaceae	*Sebacina* sp. 6	M	Sebacinaceae sp. E AY296257	521/554 of 599 (94%)
Trechisporales	Trechisporaceae	*Trechispora* sp. 1	M	*Trechispora araneosa* AF347084	303/320 of 628 (95%)
		Basidiomycete sp. 9	U	*Hygrophorus latitabundus* MA-Fungi AF231915	139/155 of 684 (90%)

Order	Family	OTU	Life Mode	GenBank sequence match	Blast match (best)
		Basidiomycete sp. 13	m	*Clavaria asperulospora* EU784186	145/162 of 607 (90%)
		Basidiomycete sp. 15	m	*Clavaria acuta* AY228353	151/158 of 638 (96%)
		Basidiomycete sp. 16	s	Antarctic yeast AY040665	390/417 of 611 (94%)
		Basidiomycete sp. 17	m	*Clavaria acuta* AY228353	172/176 of 618 (98%)
		Basidiomycete sp. 18	m	*Clavicorona taxophila* AF033344	241/258 of 609 (93%)
		Basidiomycete sp. 19	m	*Clavaria asperulospora* EU784186	167/173 of 623 (97%)
		Basidiomycete sp. 21	U	Homobasidiomycetes sp. AJ534714	154/156 of 420 (99%)
		Basidiomycete sp. 22	U	*Clavulinopsis helvola* EU118617	243/259 of 608 (94%)
		Basidiomycete sp. 23	U	*Clavulinopsis helvola* EU118617	156/161 of 601 (97%)
		Basidiomycete sp. 25	M	Ectomycorrhizal root tip AF481369	207/226 of 480 (92%)

A9.3 Chytridomycota, Mucoromycotina and unknowns

Life mode codes are M – mycorrhizal, m - presumed mycorrhizal, S – saprotrophic, s – presumed saprotrophic, P – parastitic, U – unknown.

Phylum	Order	Family	OTU	Life Mode	GenBank sequence match	Blast match (best)
Chytridiomycota	Chytridiales	Chytridiaceae	Chytridiaceae sp. 1	S	Chytridiaceae sp. FJ214804	530/603 of 721 (88%)
Mucoromycotina	Mortierellales	Mortierellaceae	*Mortierella* sp. 1	S	*Mortierella gamsii* AJ878508	386/418 of 732(92%)
Mucoromycotina	Mortierellales	Mortierellaceae	*Mortierella* sp. 2	S	*Mortierella gamsii* EF152528	348/357 of 629 (97%)
Mucoromycotina	Mortierellales	Mortierellaceae	*Mortierella* sp. 3	S	*Mortierella gamsii* EF152528	355/359 of 632 (99%)

Phylum	Order	Family	OTU	Life Mode	GenBank sequence match	Blast match (best)
Mucoromycotina	Mortierellales	Mortierellaceae	*Mortierella* sp. 4	S	*Mortierella* sp. EF601645	433/454 of 641 (95%)
Mucoromycotina	Mortierellales	Mortierellaceae	*Mortierella* sp. 5	S	*Mortierella* sp. EF126329	374/412 of 627 (91%)
Mucoromycotina	Mortierellales	Mortierellaceae	*Mortierella* sp. 6	S	Mortierellales sp. EF031099	613/616 of 631 (100%)
Mucoromycotina	Mortierellales	Mortierellaceae	*Mortierella* sp. 7	S	*Mortierella* sp. EF126329	374/413 of 620 (91%)
Mucoromycotina			Mucoromycete sp. 2	U	*Piptocephalis corymbifera* AY997073	609/612 of 619 (100%)
Chytridiomycete	Chytridiales	Chytridiaceae	Chytridiaceae sp. 2	S	Chytridiaceae sp. FJ214804	571/601 of 891 (95%)
Unknown anamorph			*Cryptococcus* sp. 1	S	*Cryptococcus podzolicus* AF444321	604/606 of 643 (100%)
Unknown anamorph			*Cryptococcus* sp. 2	S	*Cryptococcus podzolicus* AF444321	475/476 of 504 (100%)
Unknown anamorph			*Cryptococcus* sp. 3	S	*Cryptococcus terricola* AF444377	597/603 of 630 (99%)
Unknown anamorph			*Cryptococcus* sp. 4	S	*Cryptococcus terricola* AF444377	333/344 of 628 (97%)
Unknown anamorph			*Cryptococcus* sp. 5	S	*Cryptococcus terricola* FN298664	412/414 of 640 (100%)
Unknown anamorph			*Cryptococcus* sp. 6	S	*Cryptococcus terricola* FN298664	297/326 of 561 (91%)
Unknown anamorph			*Cryptococcus* sp. 7	S	*Cryptococcus terricola* FN298664	437/449 of 572 (97%)
Unknown anamorph			*Metarhizium* aff. *flavoviride*	S/P	*Metarhizium flavoviride* var. *novazealandicum* DQ385622	513/514 of 591 (100%)
Unknown anamorph			*Oidiodendron* sp. 2	m	*Oidiodendron pilicola* AF062787	469/489 of 541 (96%)
Unknown anamorph			Onygenales sp. 1	U	*Geomyces asperulatus* AJ390390	294/296 of 485 (99%)
			Fungal sp. 8	U	Fungal sp. EF152543	438/470 of 559 (93%)

Phylum	Order	Family	OTU	Life Mode	GenBank sequence match	Blast match (best)
			Fungal sp. 9	s	*Archaeospora leptoticha* AJ012201	97/108 of 487(90%)
			Fungal sp. 10	U	Fungal sp. DQ979006	56/64 of 551 (88%)
			Fungal sp. 12	U	Fungal sp. EF152543	555/572 of 619 (97%)
			Fungal sp. 13	U	*Furculomyces boomerangus* AF277013	22/22 of 606 (100%)
			Fungal sp. 14	s	*Fusarium tricinctum* EF589875	43/46 of 246 (93%)
			Fungal sp. 17	s	*Rhizoctonia* sp. AJ242892	24/24 of356 (100%)
			Fungal sp. 18	U	Fungal sp. AY699664	496/498 of 548 (100%)
			Fungal sp. 19	U	Fungal sp. AY699656	493/499 of 601 (99%)
			Fungal sp. 20	U	Fungal sp. DQ979006	61/71 of 221 (86%)
			Fungal sp. 21	U	*Dactylellina ellipsospora* AY804214	23/23 of 431 (100%)
			Fungal sp. 22	U	Uncultured Basidiomycota clone HM240234	507/540 of 537 (94%)
			Fungal sp. 23	m	Uncultured fungus clone GQ160017	362/430 of 460 (85%)
			Fungal sp. 24	m	Uncultured fungus clone GQ160021	358/424 of 472 (85%)
			Fungal sp. 25	m	Uncultured soil fungus clone HQ022014	337/390 of 478 (87%)
			Fungal sp. 26	m	*Pseudeurotium ovale* AY129289	349/448 of 523 (78%)
			Fungal sp. 27	m	Uncultured fungus clone EU517006	138/157 of 519 (88%)
			Fungal sp. 28	U	Uncultured fungus isolate DQ398093	470/536 of 554 (88%)

Phylum	Order	Family	OTU	Life Mode	GenBank sequence match	Blast match (best)
			Unknown sp. 1	U	Not sequenced, OTU discriminated by PCR-RFLP profile.	
			Unknown sp. 2	U	Not sequenced, OTU discriminated by PCR-RFLP profile.	
			Unknown sp. 3	U	Not sequenced, OTU discriminated by PCR-RFLP profile.	

Appendix 10 Representative rDNA sequences of the ITS region of each fungal OTU recorded from soil collected from *E. delegatensis* forest.

Agaricaeae sp. 1 (clone 903-2-11) quadrat N1
GATCATTAATGAATAAACTTGGTGAGTTGTAGCTGGCTCCTTGGAGCATGTGCACGCTCATTACTTTTATCTATCCACCTGTG
CACAATCTGTAGTCTTGAGGGAGATGAGAGCGGCTGAACCCATTGGGATTGGCTTGTGACTTTCTCTTGAGTCTATGTGTTT
TCATACACTACATAAAATGTTACAGAATGTATCTCATGGGCCTCTGTGCCTATAAAAACTTTATACAACTTTCAGCAACGGAT
CTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATC
TTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAACCCATTCAGCTTTTG
ATGGCTGATATGTGGCTTGGATATGGGGGTATCTTGCAGGCTTCAGTAATTGAAGTCAGCTCCCCTTAAATGCATTAGCGG
AACTGTTTGCAATCCGTCACTGGTGTGATAATTATCTACGCCATAGAATTGCTCTCTATTTGTTCAGCTTATAATGGTCCCTTT
ATACGGACAACTTTGAAAGTTGACCTCAAATCATGTACGA

Agaricaeae sp. 2 (904-1-4) quadrat N7
GATCATTATTGAATAAACTGCCTCGATGGGTTGTAGCTGGCCTCTTGAGGCATGTGCACGCCTGTCTTGACTCTATTCAT
CCACCTGTGCACCTATTGTAGTCCTTTACTCTTCGAGGGTCAAGAAAAGCAGGCTTTTGTTCAGTTGAAATATACTGGAT
TTGAGGATTGCCTCCAAGCTTTCCTCTCCCTGGCCTTGCGGAAATTGTGCCTTCTCAAGAATGGGGGCTATGTCTTTTAT
CATAAACCATATAGTATGTTCTCAGAATGTATTCAATGGGCCTTTGTGCCTATAAATCCTTATACAACTTTCAGCAACGG
ATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGA
ATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCAGTGAATTCTCAACCCCTCCAG
CTTTTGTGTTGGGTATGGGGCTTGGATGTGGAGGTATTGCCGGCCTTTCCAGGTCGACTCCTCTGAAATGCATTAGCGGA
ACCGTTTGCGATCCGTCACAGGTGTGATAATTATCTACGCCAGTGGGTTGCTCTCTGTGTTGTTCAGCTGCCAACCGTCC
GCAAGGACAACCAATACTGATTATTTGACCTCAAATCAGGTAGGACTACCCGCTGAACTTAAGC

Agaricales sp. 6 (clone 956-4-24) quadrat S1
GATCATTATTGAAACTTCGCGGGGGAGAGGGCTTCGGCCTGCACCGGTGGCGACGCCGTGCTGCGGTCGGGTTCCCGCTC
CCCCTTCCAAACCCCACACACCTGTGAACCTTTGGGAGGGCGGTTGTAGTGACCGCGCTCCCGTTTTAAACAACTCTGATGT
CTATTTGAATGTGATTCGGGGCCGCCCCGATTAAAACTTGTAACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATG
AAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCC
TTGGTATTCCGAGGGGCATGCCTGTTTGAGTGTCTTGAAATCATCAAACCTAACCGGTCTTTGTTGGCCGGCGCGGTTTGGA
CTTGGGGGTTCCTTGCTGCCGCTCGCGGTGGCTCCCCTTAAATTCATCGGTCGGGCTTTCGTGCGGCTCTGTCCCTTGGCGT
TGTATTACCCTCGTCGCTGGACGGCTCGCGATACAGTGCCCGACTTCGACCTGCCTCTGGAGTGGCGGTCTTCAACATAATT
TTGTGATCTGACCTC
AAATCAGGTAGG

Arcangeliella sp. 2 (clone 905-5-8) quadrat N50
GATCATTCACAATAAGTGTTTTATGGCACTTTTTCAATCCATATCCACCTTGTGTGCAATGTTGTCTTGTAGCATGATGCTTGT
CATTGCGCTATAGGATGTAAACATCAACTCTTATTTTTAACAACTTTGTCTGAAAACCTGTATGAATACTTAATTCAAATACA
ACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTC
AGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAAAACCTC
AACCTCCTTGGTTTCTTCTGGAGACCGGAGGAGGCTTGGACTTTGGAGGCCTTTGCTGGTGTCTCTGCCAGCTCCTCTCAAA
TGAATTAGTGGGGTCCTCTTTGCCGATCCTTGACATGTGATAAGATGCTTCCGTGTCTCGGTTTCTGGCTCTGTTGCTTTTGG
GACCCGCTTCTAATCGTCTAGACCTCGCGTCGAGACAATGTTCGAGCCACGTCTCCCTTGTCGGGAAATGTCCTCGACCTCA
CAGACCCTGGCCTCAAATCGG

Ascomycete sp. 4 (clone 954-3-12) quadrat S50
GATCATTACTGAGAACTTGCCCCTAGGGGTAGATCTCCCACCCTATGTTTACATACTTTGTTGCTTTGGCAGGCCTGCCTCTG
TGCTACTGGCCTCGGCTAGTTAGTGCCTGCCAGAGAACCAACACCCCGAATCATTTATTGTCAGAGTAATATACAATAGTTA
AAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAAT
TCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCTCTGGTATTCCGGGGGGCATGCCTGTTCGAGCGTCATTACAACC
CTCAAGCTTTGCTTGGTATTGGGTGTTTACCATCTGTGGTACACCTCAAAATCATTGGCGGTGCCATCTGGCTTCTAGCGTA
GTAATACTTCTCGCTATGGAGTTTGGGTGAGCGCTTGCCATCAACCCCTAATTTTCAAAGGTTGACCTCGGATCAGTAGA

Ascomycete sp. 5 (clone 957-3-26) quadrat S1
GATCATTATCGTGGGGATTCATCCCCTCTAGATAGACACCCTTTGTTCATGAGTACCAATTGTTTCCTCGGCGGGCTTGCTCG
CCGTTGGACATGCAAAAACCTTTGTAGTAGCAGTATCTTCAGTTATAAAACAAATATTAAAACTTTCAACAACGGATCTCTTG
GTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAGTGTGAGTTGCAGAATTCAGTGAATCATCGAATCTTTGAA
CGCACATTGCGCCCTTCGGTATTCCGTTGGGCATGCCTGTTCGAGCGTCATTTAAACCTTCAAGCTCTGCTTGGTGTTGGGT

GTTTGTTCCGCCTCAGTGCGTGGACTCGCCTTAAATTCATTGGCAGCCGGTATATTGGCTTCGTGCGCAGCACATTGCGTCG
CGACTCCAGCATGCCTCCTTCCATTAAGCCCCTTTTTTACTTTGACCTCGGATCAGTAG

Ascomycete sp. 9 (clone 956-5-6) quadrat E1
GATCATTAACAGAGTTCCTGCCCTCACGGGTAGAAACCCCCACCCTTGCGTATTGTATACTTGTTGCTTTGGCGGGCCGCCT
ATATAGGCTCTCTTTACCGGCTTCGGCTGGGCCGCGCCCGCCAGAGGACCCTAAATTCTTATATTTAAGTGAAGTCTGAGTA
CTATCTAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATG
TGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTCGAG
CGTCATTATCGACCATCCAGCACGGCTGGGTCTTGGGCGCCGCCCCCTGGGGCGGGCCTTAAAATTCGTGGCGGCGCCGCT
AGGCCCTGAGCGTAGTAAATACCCTCGCTACGGGAGCCTAACGGACGCTAGCCAGCAACCCCTCATTTAATCAGGTTGACC
TCGGATCAGTAGA

Ascomycete sp. 15 (clone 954-1-3) quadrat S50
GATCATTAACCGTCCCGCGGCCGTTGCATCTTGCATGCGCGTTCAAAGGCAAACCACCGTGTGAAACTCTCCCCGTTGCTTC
CTCGTGGCGTGGTGCTCGTCCGCCACCCTCCCCTACCCTCTCCGAGGTGGTGGGGAGGCAGTCCGCGAGGGAGGGACCCC
AGCATATCCGCCGCCGTCCAAAGTGTGGAACTCTGTCTGAAACAATGCAAATCGAAAATATTCAAAACTTTCAACAACGGAT
CTCTTGGTTCTCGCATCGATGAAGAACGCAGCCAAATGCGATAAGTAGTGTGAATTGCAGAATTCAGTGAATCATCGAATC
TTTGAACGCACATTGCGCCCTCCGGCACTCCGTTGGGCATGCCTGTCCGAATGAGCGTGAAGAGGAATTTCCGTGGCACCT
TCGCGTGCCGTGGGCCCTGGAGGCTGGCCGGACCCTGGCCGACCACCTCCGAAATGCATCGGCTGACTGTGAGCCACCCCT
CGTGTTATAAGCGTTCGACGATTCACGTGGTGGAGCCCCGCAAGTCACGCCGTCCGAACCCCCAATTCAGCCATGCGAG

Ascomycete sp. 16 (clone 956-1-19) quadrat E1
GATCATTAGTGAATAAACCAGGGGACAACCCACTCTGTGGGCCCCGAACCCTATCACACACTGTTCCAAACACCTGTGCACT
TGTCAGATAGTGGAGAGATTGGCAATACGTCCGTGGCGGACCTTCGGGTCTAGGTTGCAGATGCCGTGTCGAGATCTCCAT
GATGCCGACCTTTTTATTTAAACCCTGAGTTAACTGTATGTGTATATGAAGATCGTGCCTTGACAGGACACGTGAAACTAAA
ATACAACTTTCGACAACGGATCTCTTGGTTCTCCCATCGATGAAGAACGCAGCGAATCGCGATAGGTAATGTGAATTGCAG
AATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCCTTGGCATTCCAAGGGGCATGCTTGTTTGAGTGTCATGAAT
CCTTCGGATCCCACCGGTTTCTTAACTGAGACCTGGTTTGCCTGGATCTGGTCCTGGGCGCCTTGCCTCGCGGCTTTTTGCAC
GCTTGGCTCGCCTTAAATGCATTAGCTGGACCCTCGTGCACCCCTTGAGTGGGGAAGGGCTGGGTCTTCCTGATCAGCGTG
ATAGGTTATCTTGCTGAGTAGGGTCGACTCCTTTGTGTGCCTGTGCGACTTTGTGCTGGTCTGCTTCCAACCTTGCTCCTTGC
CTCTGCGCATGT
GACAAACTCTTCATAACTCTGGCCTCAAATCAAGTAGA

Ascomycete sp. 17 (clone 954-3-7) quadrat S50
GATCATTACAGGACTCGCAAGACTCCTACAACCCTGTGAATCTACTTTAAAGACGTTGCTTCGGCGGGTGCCTCGGGTCTCT
CCGGGGCGCTAAGCCCGCCGGCAGCACTAAATTCTGTCTCTTTGCGTTGGCATCTCGAGTAAACACAAATAAGTTAAAACTT
TCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGCGAATTGCAGAATTCCGTG
AGTCATCGAATCTTTGAACGCACATTGCGCCCGCTAGTATTCTGGCGGGCATGCCTGTTCGAGCGTCATTTCAACCCTCAGG
CCCTGCCTGGCGTTGGAGGCCTGCGTTTTGCAGCCTCCCAAAGCAAGCGGCGGCGGCGCCCCAAAACCGAACGCAGTAAT
GTATCTCGTTCTGGTCCTG
GGACGTTGTCTTGCCGGAAAACACACCATATTTTCAATGGTTGACCTCGAATCA

Ascomycete sp. 19 (clone 954-2-19) quadrat S50
TTGGTCATTTAGAGGAAGTAAGCGATTGAGGAAGGCAGTAAGCAAGCTCTTGGTCATTTAGAGGAAGTAATCCTCGCAT
ATCAATAAGCGGAGGAGGGTCTTGGTCATTTAGAGGAAGTAAGCGATTGAGGAAGGCAGTAAGCAAGCTCTTGGTCATT
TAGAGGAAGTAATCCTCGCATATCAATAAGCGGAGGAGGGTCTTGGTCATTTAGAGGAAGTAAGCGATTGAGGAAGGCA
GTAAGCAAGCTCTGTCAT

Basidiomycete sp. 9 (clone 954 -1-19) quadrat S50
GATCATTATTGAATTTTACCAACAGGAAGGGGGTGGGAGAGATCCTGCGCTTTTCCTGAACAACCAAACAAACATGACTAG
GAAACAGCAAATGTGGATATGGGGGGGGGTTGGCAAAAGCTCTTGTCTGATTTGGAGTTGGTACCATAGTCAATCAATAC
AACTTTCAACAACGGATCTCTTGGCTCTCACATCGATGAAGAACATAGCAAAGTGTGAAAATTAGTGTGAATTGCAGAACTC
TGTGAATCATCGAGTTTTTGAACGCATCTTGCACTTCTTGGTATTCCAAGGAGTATGTCTGGTTGAGTAATGTGAATCAATCT
AATCAGTCCTTGGTTGTCTGTTGTCTGTTGGCTTGGGAAACCGGGTCGACGCACACAACAACGCGGGGGATTGGAGCTGA
GTGACTTACCTTGTCATTCACTGACAAGGTTCACTTGAAATGCAGGAGAGCGGGACTTGGAAAAGTGCACAGCGCGCATTT
CCAAGAGTGTGCCGTTTAACAATGACTTGATGAAGTGGAGAGAGGGACAGCTAGCTGTTCTCATCTCATCTCATAAAGTCT
GATGCAAAACACACACGGTTCCTGTCTCAAACTAGGGAGTCATAACACAGAATCTCCATCTCAACTCAG

Basidiomycete sp. 13 (clone 955-2-3) quadrat E50
gATCaTTAGAGGAATTAAAGATGTGGTGGCATCTTTAACATATGCACATATAACAAACCAATATCAACCCGTGCACACTAAA
CAAACAAATCAAAGCGCCTTCGCTTTTTTTAAAACAATCAAAGAGCCAATCCAATTTTTACAAACATCCAATAAACATTTAAA
CACCACAATGGATGTAATGGAAATCGCATCAATGAAGATGCATCGAATTCAATATGTAATGCGCAGGCAGAATTCAGCATT
CATCAATCACGAACGCACACTTCCCTTATTGTATTCCGGAGGGTACATTGAGTGTTATGTCATTATTCTCTCAACACAGGCAT

GAGTGTCCTTGTTCTGACGACGGGATGTGTGAGGCCTGCGTGCAAGTTAAGGAATGCCAGATCCCTGCTAGCACGATTGCT
GTAACCAACTTAATTTTAGCTCCATCGCTATAAGGAACGTAAAAGGGCTGGCGTAAGTAAAAATTACGGTTTCAACTTTTAA
CGGTCCATTCAATTTGGACGGGCTTTTCTGAGCCCTACAACTCGACACTTGGCCTCAAATCAGGTAGGACTAGCCGCTGACC
TCAAGCAA

Basidiomycete sp. 15 (clone 904-2-3) quadrat N7

GATCATTATTGATTCATGGGGGGGAAGGGGTGTTGCTGGCAAGCCTTGCATGTGCACTCCTGGACTCTTCCATTATTCACAC
CTCCCTGTGCATCCTTTGTAGATGAGAGCAGAAAAATCTCTCTTGTCTATGTTTATTGCTATACTCCATAAATGTGTTTTGGA
AGAGAATATATATAAATAATACTTTTACAACTTTCAACAATGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAATT
GCGATATGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAACTTGCACCTCCTGGTACTCCAGAGGGT
ATGCCTGTTTGAGTGTCATCTTCTAATCTCAATGTGCTTGGGTGCTTTGAAGCATCTTTGTGCAGTGGATGGTGAAGGTTGC
TGGTCGCACATCAGCTCCTTTGAAATGCATTAGCAAAATTGAGCAGAGTTGGCTTTGGTTTGATATAACATGATCTGTGCCG
TTGCCGAGGAGCATTCTCTTTTGCTATCGTACCAGTCTTCAAGGAGACTGTCCATCTGATGGGCATTTTTTTGTGACTTGACC
TCAAATCATGTAGA

Basidiomycete sp. 16 (clone 906-1-21) quadrat S7

GATCATTAGTGAATATTAGGGCGTCTACTTCGGTAGGGCCTGACCTCCACTTTCTAACTCTGTGCACTTATTTGGCGGAAAA
GGGAATTAGTGATCGTTGTAATGACGATTACGACTTCTTACTTTCTGCGGCTTACTTTAAACACTGGTCAAAGTATGTAACG
AAATATCGAAACAAATAAAAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGTGATAAG
TAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCCTAGTATTCTGGGGAGCATGTCTGT
TTGAGTGTCATGAACTCTTCAACCCACTAGTTTCTTGTAGACTAGCTGGTGTTTGGATTTTGAACGTTGCTGGTCTTCGGACG
TAGCTCGTTCGTAATACATTAGCATCTCTAATTCGAATTCGGATTGACTCAGTGTAATAGACTATTCGCTGAGGACACTTTTA
TTAGTGGCCGAACAAGATCATTGTAGAAGCTTCGAACCTCTATAGTCA

Basidiomycete sp. 17 (clone 904-2-19) quadrat N7

GATCATTATTGATTTTAAAGATGTGCTGGCTTTGCAAGTGCACTCTTAACAAAACCAATATCCACCACCTGTGCACACTTTGT
AGGCAAAGGAGTCGCAAGACTTCCTGAGTCTATGTTTTTACAAACAACCTTTGATTTCATTGAATGTATTGGAATAACCAAT
GTAATACAACTTTCAACAATGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATATGTAATGTGAATTGC
AGGATTCAGTGAATCATCGAATCTTTGAACGCACATTGCACCCTCTGGTATTCCGGAGGGTATGCCTGTTTGAGTGTCATTA
ATATCTCAACACAGACAGGTTTTACCACCTGTTCTGATGCTTGGATGTTGAAGGCTTGCCGGCATTTTATGCCAGCTCCTTTT
AAATGCATTAGCAGAAACTAACAAAGCTGGCTTCAGTTTGATAATAATCTTTATCTGTATTGCTGTTGCTAGTGAAAGCTATT
GTTTCAGCTTCCAACTGTCCTTATGGACTGTCTCACTAGAGGCATAACCTTGACACTTGACCTCAAATCAGG

Basidiomycete sp. 18 (clone 953-2-10) quadrat E7

GATCATTATTGATTTTAAAAAGATGTGCTGGCACTTTTGCATGTGCACTCTTAAAACCAATATCCACCTGTGCACACTTTGTA
GGCAAAGGAGTAACACTCGTTAGGAGTAACACTCACAAGCCTATGTCTTTACAAACAACTATTAATTCATTTGAATGTATTG
GAATAACCAATTCTAAAACAACTTTCAACAATGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATATGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCACCCTCTGGTATTCCAGAGGGTATGCCTGTT
TGAGTGTCATTAATCTCTCAACACAGACAAGTTTGACTTGTTCTGATGCTTGGATGTTGAAGGCATGCCGGCTATTTTGTCA
GCTCCTTTTAAATGCATTAGCAGAGACCAATGCAAAACTGGCTTCAGTTTGATAAATCATTTATCCGTCGCTAGTGAAAGCT
CTTGTCTCAGCTTCCAACTGTCCTTTGGACTGTCTCTTCGGAGGCATATTTGACAATTGACCTCAAATCAGGTAGA

Basidiomycete sp. 19 (clone 953-1-17) quadrat E7

GATCATTAAAGATTTATAAAGAGGGATGTGCTGGCAATTGAATATAGCTATAACTATAACTTTGCATGTGCACTCTCCCACC
ATCTCTATTAGCCTTTGTGCACCATATTGCAGAGTGGGCTTGGATCTTAGGATCTGCCTGTCTGCTTTTTTTGATATACCTTAT
TTTAAAATTCAATTGAATGATGCTTTATGCAAATATAAAACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCAATGAAGA
ACGCAGCGAATTGCGATATGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCACCCTGTGGT
ATTCCAAAGGGTATGCCTGTTTGAGTGTCATTAATATCTCAACAAACATGACTTTGTTATTTTGTTGGAATTTGAGGGCTTGC
TGGCTTAATTTTGTCAGCTCCTTTTAAATGCATTAGCGGATTCAAGTGAAAATCAGCTTCGGATTTGATAATTAGTTATCTAC
GCTGTTGCCGTGTCACTAGTGATCAGCTTCTAATTGTCCCCTGAGGGCTGTCTAAGCAGACACTTTGATCTTGACCTCAAATC
AGGTAGG

Basidiomycete sp. 21 (clone 954-1-1) quadrat S50

GATCATTAGTGAATTCCATCCATCTTTCCATTCCTGTGAACCGTGAAATTTTTATAACCCTGTCACGAATGTACAAACCAAAA
TATATACAACTTTTAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGC
AGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCACCCTTTGGCATTCCGAAGGGTATGCCTGTTTGAGTGTCTTTTA
ATAACACTCTCCTCGGTTCTGAGCCCATTGCCAGGTAACTCTGGCTTGCTTTAAATGTATGACCATCTCACGTAATAATATTC
GCAGAGATGGTCCCCCCCCCTACATTCAGACCTCAAATCAGGTAGA

Basidiomycete sp. 22 (clone 905-3-1) quadrat N50

GATCATTATTGAATCCAAAGGATGTTGCTGGCATTGTAAAATGCATGTGCACTCCACCCTTTAAATCCACCTGTGCACTTCTT
GTAGGCTGGATTAATTTCTGTGCCTATGTCTTTATATACCCCAAGTATGAAGTTTATAGAATGTTTTTACAAAGTAAGCCTTT
GGCTGAAATATAATACAACTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATATGTAAT

GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGA
GTGTCATTAAATTCTCAAGCTTCAATCTTTTTTGAAAAGCTTGGATGTTGGAGGTTTTGCAGGCATGTCATTGCTAGCTCCTC
TTAAATGCATTAGCAGGAACTATGTAGGATCAGCTTTAATCATATATATCTATCTATGTTATTGCTGTGAAACAAAATGGTTC
AGCTTCCAGTTGTCTTCGGACTGTCTCGTGAGAGGCATTGCTTTTTAAACTTGACCTCAAATCAGGTAGA

Basidiomycete sp. 23 (clone 904-2-7) quadrat N7

GATCATTATAGAATAAAACAACGGGGATGTTGCTGGTCATTCGTGGCAATGTGCACTCCTCTTTATTCACATCCACCTGTGC
ACATTGAGTAGGCATGGATTCAGTTCCGTGTCTATGTTTCTTATAAACACATGCTTTGTGAATGTATGATCATAATTTTAAAA
AATGTACAACTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATATGTAATGTGAATTGC
AGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCCTTGGTTACTCCGAAGGGCATGCCTGTTTGAGAGTCATT
ATTATTCTTCAACCTTGGAGTTTAGGCTTCAAGGCTTGGATCATGGGGGGACTTTTGCTGGCATCATGTGCTGGCTCCTCTTAA
ATGCATTAGCAAAGAACCTGTCAAAGGGAAACGGCTCTGGTTTGATAATATCTATGCCATTGCTGAGAGTCCCAAGGAGGT
TCAGCTTCCAACTTGTCCTTTGTGGACACCACTTTGAAACTTGACCTCAAATCATGTAGA

Basidomycete sp. 25 (clone 954-1-24) quadrat S50

GATCATTAATGAATGGCCCAAGGCCTTCGACACTTCAAAACCGTGGAGGCACAGCGTGCTTCGGTGCTTCGGCGCCGCCTT
TATGCCGTAAAGTCCGTGTCTGAACCTAAAATATAGTCTAAAACTTTCAACAAAGGATCTCTTGGCTCTCGCATCGATGAAG
AACGCAGCGAAGCGCGAAATGTAGTGTGAATCGCAGAACATTGTGAATCATCGAATCTTTGAACGCACATTGCGCCTCCCT
TAACCGGGGGGCATGCCTGTCTGAGCGTCATTTAAACCTATGGGCCCGACTGGGTTCCGTATTGGGCCTCGCCTCTCTGAG
CGGCGTCGCCTCGAAGGCATCGGCCTCATGGAGCGGACGGGATCCTTATGGACTGACCGTTTCATGGCCGGAGTTTGACTC
TGACWTGACCTCAGATCATGTAGG

Cantharellaceae sp. 1 (clone 956-5-17) quadrat E1

GATCATTCACTGAGCATGCAGGCCCCTTGGGCTGCACAAGCTTTTCTTTTTCTTGATCAAGGCGATATATTGGAGGTGGGTT
AAGGCCCCCTTCAGTTTAATGCCTTCCACATCAAAGTGGATTGTGGTGATTTGGGATCATCACTGTTTTTTGGGCTCATGATA
TTGGCCAACTGTTGTGAGCTTTTTTATGCGGTTCATCCTCAGAATATTGGTCATTGAGGATTGGGTTGTGAAAGCAATCCGG
AATTGAGATTGATTGAGGGTTGGCACTCAGCATCTTTCTCTTGTAACCATTTTTTAAAATGGGTTATTTTTACAACTTTCAGC
AATGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGTGAAATGCGATAATTGGTGTGAATTGCATCCAAGTAACTCTAAT
TTACGAATAACACCAAGTGAATCATCGAGTCTTTGAACGCAATTGCGCCCTCTCGGTCGCTTCCAATTTTTTtGGGGGTTGAC
TCATAGGGGGTACATCTGTTTGAGGGTCATTTAATTCTCTCAAAGGATTGGTCAATCTGTCCTTTGGATTTTGGGTCTTGCTG
TGAAGTGTTT
CTCAGCTTACCTTGAAAATATTAGCAAGCTTTGTTTTGGTCAATCTCTAATGAGGCGTTCTAATTCAAAGAGCCTTTAT
TTATTTTTGACAACTTGCTTCTAATTATCCCATTGAAGGGATATTATTGGTTCTCAATCATGAGTTGCAAGCCCGTTAA
TGACCTCAAATCAGATGAGA

Chytridiaceae sp. 1 (clone 903-1-6) quadrat N1

GGAGTTTTTTTGCATTAGCAAAAATTCGAAAGATGGGTTTTAGAGCAAAAAAGACACACCTGGCAGGGGAGTATAACGC
CTACAAGTTATATAGACCTAATCAGTCAACCCTTTAAACATTTAACCCCAGTCGTCAATGACGTTTCATTTTGGAAATG
TGTATTGAAAATTATATACAACTTAGACAATGGATCTCTTGGCTCACGCATCGATGTATAACGTAAGCAGAGGAAATAA
ATGTCGTGACAACAGATTTAGTGAATCATCGAGTCTTTGAACGCTTATTGCACTCTCTGGTATTCCGGAGGTTATGCTT
GATTGAGAACCGTTACATTTGTCTAGAACTGGACCAGAATTCAGTCAGGAAAAGCAAGTGGTTTTGGCCATTCCGTGAT
AATTTTTAATTTTCAGCAAATGGGTTGTGGGGAAATTCAGTGATCGGAGCTTGCGTGCTTAAAGGGTCTTCTCTCTAAC
AGTAGAGTAGTGATTGATAGAAGACTTAGATTAATTGGGTACTTGTACCCTTTCTCAGGGTCAGGAAAATTGAGTCGTC
AAACCTGTAAGAATTCTTTCCAAACCTGTTCGGCAGCCTTTATGGTATCCGCGAAGTAAGGTTCATACGTTAACCGCCA
GGCGATTTAACACCGTAATGGGTTCCCCAACTTGTGGAGCGAGTGGATGGGTGGTTGTTCGCATTAGGAGAAGACGAAA

Chytridiaceae sp. 2 (clone 903-3-16) quadrat N1

GCTGCACTCACAAGACTAAAGCCGTTTACCATCCTGTTTGCTTTGCATGTTGGCTTCTGAGATGAGAGGACGGACCGCCCCT
TAAAAGGCTTGTGTCCAACCTTGAGTTTCGTTAGTTGATGTGTAAGGACCCTGTTGGTTCTTTGTGTTTTTTGATCTCTTTTAC
TCGGAGTTTTTTTGCATTAGCAAAAATTCGAAGATGGGTTTTGGAGCAAAAAAGACACACCTGGCAGGGGAGTATAACGCC
TACAAGTTATATAGACCTAATCAGTCAACCCTTTAAACATTTAACCCCAGTCGTCAATGACGTTTCATTTTCGAAATGTGTATT
GAAAATTATATACAACTTTAGACAATGGATCTCTTGGCTCACGCATCGATGAAGAACGTAGCGAATTGCGATAATTATTGTG
AATTGCAGATTTAGTGAATCATCGAGTCTTTGAACGCATATTGCACCCTCTGGTATTCCGGAGGGTATGCTTGTTTGAGAAC
CGTTACATCTCTCACGAACTGGACCTGATTTCGGTCAGGAAAAGCAAGTGGATCTGGCCATTCCCTGATACTTTTTATTTTAA
GTAAATGGGTTGTGATGAAATTCAGTGATCGGAGCTTGCGTGCTTAAAGGGTCTTCTCTCTAACAGTACCGTACTCTTTGAT
AACCGACATAGATTAATTGGGTACTTGTACCTTTTATCAGTGTCCGGAAAATCGAGTCGCGAAACCTGAAAGAATTCATTCC
AAACCTTTTCGCTATGCCTATAAGGTAACCGCGAGTATACGGCTCATACCTAAACATGCCAGGCGATCTATACACCGAATTC
TTGTCCCCGTACTTGCTTAGCGAGTGGTTGGATGTTTCGACGCAATAGGTTGTACACCCGATAGCGTGGTCT

Clavicipitaceae sp. 1 (clone 953-1-12) quadrat E7

GATCATTACTGAATAAACTTGGTGGGTTGTAGCTGGCTCCTTGGAGCATGNTCCCACTAGATGAAGTAAAAGTAGTAACAA
GGTCTCCATTGGTGATCCAGGGGAAGGATCATTACCGAGTCCCAAAAGTTCCAAACCATTCTGAAGGTCACCATTGTCGTTG
TTTAGGAGAGTGGTTCCCACAGAGGTTACACATTTTCCCTTCAGGGCAGGTAGCTCGCCGGAGGCGTTTCACATCGGATTTT

TAATTGGCATCTTTGAGTAAGTTATAAAATAAGTCAAAACTTTCAACAACGGATCTGATGGTTCTGGCTCATATGAAGAACG
CAGGCAAATTGGATAAGTAATTTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTCCTTCCGCCAGTATT
CTGGCGGGCATGCCTGTTCGAGCGTCATTTCAACCCTCAACCCCCAGCCGTCAGGTTGCTGGGGACCGGCCCCGGCCGCCC
CCCAAATTCAGTGGCGACCTCGATACAGCTTTCCGCCAGTGGTAGCACAACCTTGCACCGGAGCGCGGAGACGGTCACGCC
CAAAAACGCCCAACTTCTCAGAGTGACCTCAGATCAGGTAGA

Clavulina sp. 7 (clone 955-1-7) quadrat E50
GATCATTAATGAGTTGTGACGGGGTTTGATGCTGGCAGCCAATTTTTGGATGCATGTGCTTGCCCCAACAATCATTTTCCAA
ACACCCGTGCACACTTTTGAGGGAGTTTTGAGCTTTATYGTCACTCTTGGTAATTTGCTCGCATTCCCTCTAAATCATTATACG
CTGTTAACAATAATGAACGTGTTTTGTGCCGCAAGGCCATTAATATAATACAACTTTTAACAACGGATCTCYTGGCTCTCGCA
TCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTG
CGCCCCCTGGTATTCCGGGGAGCACGCCTGTTCGAGTGTCACGAAATTTGTCAAGCTTGGATGGCCTTTTTTGTCTGTCYATT
GGCCTTGGTTGTTGGGCTTTGCCGTGTCCTTTATTGGAACGGCTGGCCTTAAAAGCATTAGCTGRTCCTCGTGTGGCACTGG
TTCTACTCAGCGTGATAATACATCTGATCGCTGAGGACATCTTTCAGGGATGGCCAGTTCTCATTTGGGTTGCTTCTAAACCT
GGTTTTGCAGATTCTCGAATCTGTGTTCCACTTTCAGCTTGACCTCGAATCAGGTGG

Clavulinaceae sp. 1 (clone 954-2-22) quadrat S50
GATCATTATTGAATCCAAAGGATGTTGCTGGCGTCGCAAGGCGCATGTGCACTCCGACCTTTCAATCCACCTGTGCACTTAT
TGTAGATGCGGACTTTATTGACTGCGTCTACGTTTTTATACACCCCATTATAAAGTTTATAGAATGTCAATGTTAAGACCTTT
GATGGTCGAAACTTAATACAACTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATATGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTT
TGAGTGTCATTAAATTCTCAACTTCAAAGTTTTTTGCTTTGAAGCTTGGATGTTGGAGGTTTTGCAGGCATATAACAATGTCA
GCTCCTCTTAAATGCATTAGCGGAACTATGAAGGATCGGCTTTGGTTTGATAATCCTATCTATGCTATCGCTGAGACACAAC
TGTTTTGCTTCCAACTGTCTTCGGACTGTCTCGCTTCAGAGGCATTATTTAAGCTTGACCTCAAATCA

Cortinarius aff. *piriformis* (clone 953-1-20) quadrat E7
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCCACCT
GTGCACCTTTTGTAGACCTGGATATCTCTCTGAGTGCTTAGCACTTCAGGTTTGAGGATTGACTTTATTGTTCTATCTTTATAT
TTCCAGGCCTATGTTTCTTCATATACCCCATTGTATGTTATAGAGTGTAGCAAATAGGCCTTTGTGCCTATAAACCTATACAA
CTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCA
GTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAATATATCA
ACCTTCAACTTTTGTTGAGTGTTGGATGTGGGGGTTTTCTTTTGCTGGTCTCTCTGAGTTCAGCTCCCCTGAAAATCATTAGC
GGAACAATTTTGTGGATTCGTTCATTGGCGTGATAAATTATCTATGCTATTGACGTGAAGCAGTTCAGCTTATAACAGTCCA
TTGACTTGGACAAATTTTTATTAATGTGACCTCAAATCAGGTAGA

Cortinarius sp. 64 (clone 903-3-32) quadrat N1
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACGCTTGTCATCTTTATATCTCCACCT
GTGCACTCTCTGTAGACCTGGATATCTCTCTGAATGCCTGGCATTCAGGTTTGAGGATTGACCTTTGCAGTCTCTCCTTGCAT
TTCCAGGCCTATGTTTTTAATATACCCATCCCCTGTTTATAGAATGTAATAAATGGGCCTTTGTGCCTATAAACCTTTATACAA
CTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCA
GTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAATATATCA
ACCTCTTCAGATTTTTGTTTGTCGAGTGTTGGACGTGGGGGTTCTTTTTGTTGGCCTTCGTTACTGAGGTCAGCTCCCCTGAA
ATGCATTAGCGGAACATTTTGTTGACCTGTTCATTGGTGTGATAACTATCTACGCTATTGACGGTGGAGCAACCAAGTTCAG
CTTCCAACAGTCCATTGACTTGGACAAAATTTTCATTAATGTGACCTCAAATCATGTAGA

Cortinarius sp. 80 (clone 905-1-19) quadrat N50
GATCATTATTGATATAAACCTGATGGGTGGCTGGGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCCACCT
ATGCACCTTTTGTAGACCAGGATATTTTTCTGGAAGCCTAGGCATTCAGGTTTGAGGATTGACTTTGCAGTCTTTCCTTACAT
TTCCAGGCCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATAAACGGGCCTTTGTGCCTATAAAACCTATACA
ACTTTCAGCAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTC
AGTGAGTCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCACCCTGTTTGAGTGTCATTAATATATCA
ACCTCCTCAGCTTTTGCTTGTCGAGTGTTGGATGTGGGGGGTATTTTTGGTGGTCTCTCTCTCTGAGGTCAGCTCCCCTAAAA
TATATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACAATTTACGGTATTGACGTGAAGCAGGTTCAGCTTCTAA
CAATTCATTAAATGGACAAATCTCTTTACCTTGACCTCGAGTCATGT

Cryptococcus sp. 1 (clone 953-1-4) quadrat E7
GATCATTAGTGAACGCCCTCACGGGCTTATAACTATTCCAAACCTCTGTGAACCGTGCCCTTCGGGGCTATTTTACAAACAT
GGTGTAATGAACGTCATATATCATAACAAAACAAAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCA
GCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAGCGCACCTTGCGCCCTCTGGTATTCC
GGAGGGCATGCCTGTTTGAGTGTCATGTAGACTCAATCCCTCGGGTTTCCGAGGAGATTGGACTTGGGTGTTGCCGCTCTG
CCGGCTCGCCTTAAAAGACTTAGCGGGATAGCACCGTAGTCGGCGTAATAAGTTTCGTCGGTGAAGGTTGTGATGACTGCT
TACAATCGCCCTCGGGCAATTTTTGACTCTGACCTCAAATCAGGTAGG

Cryptococcus sp. 2 (clone 954-1-13) quadrat S50
GATCATTAGTGAACGCCCTCACGGGCTTATAACTATTCCAAACCTCTGTGAACCGTGCCCTTCGGGGCTATTTTACAAACAT
GGTGTAATGAACGTCATATATCATAACAAAACAAAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCA
GCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTCTGGTATTCC
GGAGGGCATGCCTGTTTGAGTGTCATGTAGACTCAATCCCTCGGGTTTCCGAGGAGATTGGACTTGGGTGTTGCCGCTCTG
CCGGCTCGCCTTAAAAGACTTAGCGGGATAGCACCGTAGTCGGCGTAATAAGTTTCGTCGGTGAAGGTTGTGATGACTGCT
TACAATCGCCCTCGGGCAATTTTTGACTCTGACCTCAAATCAGGTAG

Cryptococcus sp. 3 (clone 906-2-31) quadrat S7
GATCATTAGTGAATTGAATATGTTAGCGGACCTCTTCGGAGTCCCTAGCATCAAATCATATCCATAACACCTGTGAACTGTA
AGGCTGTCTTGAAAACGAAAGTGATTAGAGCGCCTGCCCATTTTATACAAACATTAAAGTAACAAACGTAGTCTTATTATAA
TCTAATAAAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATT
GCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCTTTGGTATTCCGAAGAGCATGCCTGTTTGAGTGTCAT
GAAAATATCAACCTTGACTTGGGTTTAGTGCTCTTGTCTTGGCTTGGATTTGGCTGTTTGCCGCTCGAAAGAGTCGGCTCAG
CTTAAAAGTA
TTAGCAAATCTTCTTTGAGACTTGGTTTGACTTGGCGTAATAAGGTATTTCCCTGACCCAATCTTCAGATGGCCGGTTT
GGGCCCGTTTGTCCGCTGGCGGAATCCCAA

Cryptococcus sp. 4 (clone 954-3-10) quadrat S50
GATCATTAGTGAATTGAATATGTTAGCGGACCTCTTCGGAGTCCCTAGCATCAAATCATATCCATAACACCTGTGAACTGTA
AGGCTGTCTTGAAAACGAAAGTGATTAGAGCGCCTGCCCATTTTATACAAACATTAGAGTAACAAACGTAGTCTTATTATAA
TCTAATAAAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCATATTGCGCCTTCTGGTATTCCGGAAGGCATGCTTGTTTGAGTATCAGT
AAAAACCCTCAACTCTCCTTTTCGGGTGTTGGATTTGAGCATGTCCACCAAAAGCCACATTTTGGGGTTTTTGGAGGATGCT
TGAAATTTGAGGTTCGGCCGGCAGTGCCTGGGCTACAAGCATTTCATACTTAATCCCGTCAAACGGATTATATTCTTTGCTG
CAGCCAACATATAAGGGTAACTGTCCGTGTCCGACTGATGCAGGAAAAGTTGAGACTCCGGTCTCTTCTAAACTCGATCTCA
AATCAAGTAG

Cryptococcus sp. 5 (clone 957-4-10) quadrat S1
GATCATTACCGAGTTTACAACTCCCAAACCCCTGTGAACTTATACCTTTACTGTTGCTTCGGCGGGTCCGCCCCGGAACAGG
TTCGCGAGAGCCGGCCCGGAACCAGGCGCCCGCCGGGGGACCAAAACTCTTGTATTTTTACTTTTGCATGTCTGAGTGGAA
TCATAACAAATGAATCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCTTTGGTATTCCGAAGAGCATGCCTGTT
TGAGTGTCATGAAAATATCAACCTTGACTTGGGTTTAGTGCTCTTGTCTTGGCTTGGATTTGGCTGTTTGCCGCTCGAAAGA
GTCGGCTCAGCTTAAAAGTATTAGCTGGATCTGTCTTTGAGACTTGGTTTGACTTGGCGTAATAAGTTATTTCGCTGAGGAC
AATCTTCGGATTGGCCGAGTTTCTGGGACGTTTGTCCGCTTTCTAATACAAGTTCTAGCTTGCTAGACATGACTTTTTTATTAT
CTGGCCTCAAAT
CAGGTAGA

Cryptococcus sp. 6 (clone 954-1-7) quadrat S50
GCGGCGCTTGTTCAGTTAGAGGAGTAAGTCTTGCACGGCCCCTCCCCCAAAAAGAAAAAATACCTCGTGCTCTTTTAGGA
AAATTAACTCCCCATATCCCTACCCTTACAACCCCATCCCCTCAAATTTGCTCTTGCTCTTTTAAAAAAAATTACCCCCC
CCATCCCTCAACCCACATAAATATTTCCTTCTTCCTCTTTTTTTTTCTTTTTAAGAATTTTTTCTTTCTTTAAAAGTGCA
GAATTGAGTGAATCGTCGGATCTTTGAACGCACCTTGCGCTCTTTGGTATTCCGAATAGCATGCCTCCCTGAGTGTCAAG
ATGTATCAGCCTTGACTTGGGTTTAGTGCTCTTGTCTTGGCTTGGATTTGACTGTACGCCCCTCCCAAGGGTCGGCTCAG
CTTAAAACTATTAGCTGGATCTGTCTTTGAGACTTGGATTGAGGTGGCGTAACAAAATATTTCGCTGAGGACAATCTTCG
GATTGGCCGAGTTTCTGGAACGTTTGTCCCCTTTCTAATACAAGTTCTAGCTTGCTAGACATGACTTATTTATTATCTGG
C

Cryptococcus sp. 7 (clone 906-1-23) quadrat S7
TTCTTTTATCGGATGTTCAATTTTAACTCTTTCCCACTGTGGATCCGGGGGAATGACATTATGATTTTCGGAGTAAATT
GTCCTTTGAGTATTTTTAATTTTCCGGATTCTCACCCCCTCCAGAAGTACTGTCCTCACTACCTATTTAAATGAATAAC
TCCCCGCCTCTTTTTATGCTTTCTCCTAAGTAGGCATTGCTGTCTTGTTCTAATTTAATAAAACTTTCAACACAAGTTC
TCTTGTCCGGTCACCATAGGAGAACGCAATGACTTTCGACAAGTTATGTCAATAAAAGAATTCAATAAATCAGTAAAAA
TTTGTATATTACTAAAAATATAGTAGGAAAAGGAAAAAAATAAATAAAAGAAAAAGGAAAAGATCAAACTCAACCTCGG
TAGAGAGAAGTGGTCTCCCCTCTCTCTCCCGGGGGCCGCTTGCTCAAGTAAATGAGGAAAGGAATTTAATGTATTGAGG
GAGGGGGGGAGGGAAGGGAGGAGGGGTGGTAGGAGAGGAGGGGGGGGGGACCCGGCAAAGAAGGGGGCAGCCGC
CGGGCCCATTCCGATTCCCTCG

Entoloma sp. 4 (clone 904-1-30) quadrat N7
GATCATTATTGAATAAACTTGGTTAGGTTGTTGCTGGCTCTTAGGAGCATGTGCACGCCGACTCCATCTTTAACCACCTGTG
CACTTTGCGTAGATCTGAACATTTCGAGTACACTCGGTTTGAGAATTGCTGTGCGTAAGCCAGCTCTTCTTGTATTCAGGTCT
ATGTTTTCACATACCCCATATGAATGTATACGAATGTTACAATTGGCCTTGTGCCTATAAAACAAATACAACTTTCAACAACG

GATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGA
ATCTTTGAACGCACATTGCACCTTCTGGTATTCCAGGAGGTATGCCTGTTCGAGCGTCATTTGCAACCATCAAGCCTAGCTT
GGTATTGGATGTCATCTTTATTGGTGCATCTTAAAATCAGTAGCGGCACAATCCAGCTTCAAGCGTAGTAATTTTCTCGCTCC
TGGAGTTTGGGTATGTGCTTGCTTAGAACCCCTTAACTCATCAAGGTTTGACCTCGGAT

Entoloma sp. 5 (clone 904-1-2) quadrat N7
GATCATTATTGAATAAACTTGGTTAGGTTGTTGCTGGCTCTTAGGAGCATGTGCACGCCGACTCCATCTTTAACCACCTGTG
CACTTTGCGTAGATCTGAACATTTCGAGTACACTCGGTTTGAGAATTGCTGTGCGTAAGCCAGCTCTTCTTGTATTCAGGTCT
ATGTTTTCACATACCCCATATGAATGTATACGAATGTTACAATTGGCCTTGTGCCTATAAAACAAATACAACTTTCAACAACG
GATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGA
ATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATGAAATTCTCAACCTATCTAGTTT
TCTAACTTAGTTAGGCTTGGATCATGGAAGTTGCTGGGTCATTTCGAATCAGCTCTTCTTAAATGTATTAGCAAAGACTTTTG
CTGACCATCATTGGTATGATAATTATCTATATCATTGGTAACCAGTTCCCTTTCATAGGGAGGTCTTGCTTCTAATAGTCGTTT
CGACAACTTGACACCTTTGACCTCAAATCATGTAGA

Fungal sp. 2 (clone 904-1-5) quadrat N7
GATCATTAATGTAACCGGACCGGTCCTTTGCCGTCAAACGCAGCGGATTGGAAAGGGAGATATCATACACCCTATATTTATT
TACCTTTGTTGCTTTGGTGGGCCGTCTCCTTAGGCGTCGGCTCCGGTTGATCGCGCCCGCCAGAGGACCCAAACTCTTTTAT
CAGCGATGTCTGAGTACTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGA
AATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCGCTGGTATTCCGGC
GGGCATGCCTGTTCGAGCGTCATTATGACCAATCAAGCTCTGCTTGGTCTTGGGGTCTGCTGTACCGGCGGCCCTTAAAATC
AGTAGCGGTGCCGTCTGGCTCTAAGCGTAGTAATATTTCTCGCTATAGAGTCTAGTCGTTCACCTGTTTGAACTTCCAACTTT
CTTAGGTGACCTCGGATC

Fungal sp. 9 (clone 953-2-15) quadrat E7
GATCATTACAAATCTTTTGCGAGTGCTGCGTGCGTAACTGTGCGTAGCATTTCACAACATTAGCACAAGGTCGCAAGGCCTT
GATGTTTACGCTTGTTTGTTTGACAGAGTTAGTAGAGACACAAAAAAGACAACTTTTAACAATGGATCTCTTGGCTCTTGCA
ACGATGAAGAACGCAGTAAAGTGCGATATGTAGTGCGATTTGCACGAATCTGTGAGTCATCTAATCTTTGAACGCAACTTG
CGCCTCTTACGAGGCATGTTTGTTTGAGTGCCGTAATCCTCTGCAGCAATGCGATTTGGCTCTTGTCTTTGTTGACCGAGTTT
AAAGGGAGCTAGAGGATGGTCAGTTTAGACTAGCCCGAGTGCTAAGCATTCTTGGGTCTAGCGCTGGATTGCTCATTTCAT
CTATTTTTTATTTTGGCCTCAAATCAAGC

Fungal sp. 10 (clone 903-3-19) quadrat N1
GTATCAATATGTAGTCCCCAACCATGAGTAATCCCCCGGGAATTCAATTCTTGGGCAAAGTATGGGTCTTTTCCGGGGATTT
CAATAAGGGGGGGAAGTATCGGGGTCATCTGGGGGAAGTCATCAAGGGGAGGAAGTTCTTGGTCATTTAGAGGAAGTAA
TCCCCGCATATCAATTAGCGGAGGAAAACCGTGCGCAATCTCCGGGCATATCTAATAAGAGACGA

Fungal sp.12 (clone 904-1-26) quadrat N7
GATCATTCATAATAAGTGTTCTACTGCACTTTTTAAAATAAGTACTCACCTTGTGTGCAATGTTTGCTGGCGTGTTCGTTCGC
GCGTTCATGTCAGCACAATACCAACTTTTTTATTGAAATTTTTTGTCTGAAGCTATTTTGAATAAATAATTCTAAATACAACTT
TCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTG
AATCATCGAATCTTTGAACGCACATTGCACTCTCTGGTATTCCGGAGAGTATGCTTGTTTGAGTATCTGTAAACATCTCAAAT
CTCTCAGCGCTTGCGTTTGAGAGGATTGGATTTGAGCGATCCCGACTCCTTCGTCAGAAAGAGGAGGGTCGCTTGAAATGC
AGATGCAGCAGGACATTCTTCTGAGCTAAAAGCATATTTATTTAGTCCCGTCAAACGGATTATTACTTTTGCTTCAGCTAACA
TAAAGGTCGAATGAGCCATTATCGCTGATTGCAGGAAAACATGTCTGTAACAGGACTTGTAAACTCGATCTCTAAACCGAT
GT

Fungal sp. 13 (clone 955-1-26) quadrat E50
GCCTACTATTATCCTTATCGACTTACTCGCCTCAATCCTACTAATATTCCAAATAATGCTGAAAAAATCCACTACACCA
ATTTCTCGCCCACTCTTTCAATATTACCTAGGAAATTTACTAAGCCCATTTTCTCCGTGACCGGTTCTTCCACGGCACG
TCGTCGTCGCAATTCTGCCAAACCAATACTCCCTTAGCAGCGTTGCCTCTTGGCTAGATCTAATTCGGCGAAAGCTATT
GGCCGCAACCGCTAGGTCATTTGGACGAAGCAATCAACGGCGGAGACTAATCGATGGAGGGTCGTGGTCAGCGAGAGGA
AGTAAGCGGAGGAAAACTCTTGGTCATTTGGACGAAGTAATCCTCGCATAGCAGTCCTCGGCGGAGGGTCTTGGTCATC
GACAGGAAGTTACCGGAGGAATCCTCTTGGTCATCTAGAGGAAGTAATCCTGGGGAATCAATAATCGGAGGAGGATCTG
GGTCATTTAGTGGAAGTAAGTGAGAGGAAGTTACTGGACGCTTAGTGGAGGTCATCCTGGGGAAGTAATCCTCGCATAT
CAGTAAGCGGCGGAGGGTGGAAGTCAGTTAGAGGAGGTGACCGGAGCCTCCTC

Fungal sp. 14 (clone 954-2-7) quadrat S50
CGGAATTCTTCGAAAAAAAGAATTTCATGCATTCAATTAGACGGATGGTGCTCATTAGCGAGTGAATGTGCGTGCATATCTA
TAAGCGGAGGACCCCTCTTGGTCATTCAGAGGAAGTAATCGTTTGAGGTAGGCAGTAAGCAAGCGCTCGGTCATTTAGAG
GAAGTAATCCTCGCATATCAATAAGCGGAGGAAGCGGAGGAGCATATCAATAAGCGGGCATATCAATAAGCGGAGGAAT
CCTCTTGGTCATTTAGAGGAAGTAATCGACTGAGGTAGGCAGTAAGCAAGCTCTTGGTCATTTAGAGGTAAGTATCCTCG

Fungal sp. 17 (clone 953-2-17) quadrat E7
ACCTGGACACATCGAGGAGGTCATCTTCACAAACTAATCATCGGAGGTCACTCCTTGCCGGAGGGTCTAAGTCAGTGAGAG
AAAATTACCGGAAGAAAGCTCTAGGTAATCTAGTCGAAGTAATCCTCGCATAACAATAATGGGCAGAGGGTAAGGTCATTT
AGAGGAAGTAACTGGAAGCATCCTCTTGGTCATTTAGAGGAAGTAATCTTCGCGTATCAATCATCGGAGGACGGTCAGGG
GCATTTAGAGGAAGTAAGCGAAAGAAAGTTACCGGTCACCTAGTCGAGGTCATCCAGAGGAAGTAATCCTCGCATGTCGG
TAAGCGTCAGGTAGGGTCGTTGGTCCATTTAGTA

Fungal sp. 18 (clone 953-3-3) quadrat E7
GATCATTACAGAGTTCATGCCCTACCGGGTAGATCTCCCACCCTATGTTATTATTACTTTGTTGCTTTGGCGGGCCGTTAGGC
TCCGGCCCGACTACCGGCCCCGGCTGGTAAGCGCCCGCCAGAGGACCCAAAACCCTGAATATTAGTGTCGTCTGAGTACTA
TATAATGGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTG
AATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGGGGGGCATGCCTGTTCGAGC
GTCATTACAACCCTCAAGCCTGGCTTGGTATTGGGCTTCGCCACTAACCTGGCGGGCCTTAAAATCAGTGGCGGTGCCTCCG
AGGCCCTGAGCGCAGTAAATATCCTCGCTATAGGGACCCGGTGGTTACTGGCCAGCAACCCCAACTTTCTAAGTTTGACCTC
GGATCAGTAGG

Fungal sp. 19 (clone 906-2-17) quadrat S7
GCCCTTAGGGGTAGACCTCCCACCCTGTTTATATTCAATTGTTGCTTTGGCAGGCTGCCCTCACCATGGGGCGTCCGGG
TTCCGCCCGCGTCTCGCCTGCCAAAAGCCCCCTAACTCTGTGTTCTGTGTCGTCTGAGTACTATATAATAAGTTAAAAC
TTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTC
AGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGGGGGGCATGCCTGTTCGAGCGTCATTTCAAC
CCTCACGCGTAGCGTGGTCTTGGGCTCTGCCGGCAACGGCTGGCCTTAAAATCAGTGGCGGTGCCATCGAGCTCTACGC
GTAGTAATAAACCCCCCGCGTGTGAGTCTCGGCGGTCGCTTGCCAGCAACCCCCAATTTTTTATGGTTGACCTCGAATC
AGGTAGGGATACCCGCTGAACTTAAGCATATCAATAAGCGGAGGAGTAAGAGTCTTAATAAGGCCTATCCCTGATTAGA
GAATCACTTCTGCACATTTCCAACAACTGAGCATTATTACCAATTAAT

Fungal sp. 20 (clone 954-2-13) quadrat S50
GATCATTACTCCAATGTGGGGAAGTAACCCCGGAAAACCAATAATCGGTGAAGGTGGAGGTGTAACCACGGCATATCAAT
AAGGGGAGGAGTTAAAAGTCGTACAAAGGCTTTTCATTAAGGGGGGGAAATTAACACCGCAAAACAATTTATGGGTAAAG
TAGAAGAAGTAACCAGGCATATCAATTAGCGGAGGAAGTAGAAGTCGTAACAAGGCATTCAATTAGCGGAGGAGCCTGA
ATCCGTACCAAGGCTATCTCGT

Fungal sp. 21 (clone 955-1-18) quadrat E50
TCGTTGTTGCGGAGGACAATTGATAGTAGCGACCATGATGAAATAAGGGCAGAATAATAAGCAGAGGAGAGGAATAATC
ATCAAGAGGAGGTCATCAAAAGGAGGAGGATGGTGGTCGACAGGAGATCGTCATCAAGAAGTAATAAGAGGAGGAGGA
CAAGAAGTCATCGAGGAGCATCAACAAGAGGAGGAGGTCAATAATCGGCGGGAGGTGGTCGTCTTCTGGAAGAAGTAGC
AGGACGACAAGTCGTGGTGGTGAAGAAGTAATCAGCGCAGCATAACAATAAGAGGAGGAGGATGATGATCCAGTGGAG
GAAATCAGCAGAAGAATCCTGGTGGTCACCTGGAAGTCGTCATCGCATATCAATAAGCGGGGGAGGCAACAACGCGTCGA
GGCGGGTCAATAAGCGGGGGAGGACACGATCATCCTCGTGGTTAACCAGCTAGAAGAAG

Fungal sp. 22 (clone 905-7-32) quadrat N50
GATCATTAACAAATCCAATAATTGCATGAGAACACTTGTTCTTTTTGCAAATATTAATCCACTGGTTGCTCTTAGTAGC
AGCTGGCTGTGATATAAATGCGTGTTATGTTGACAGTGTGTGTATAAATTAATATTGACAACTTTTAACAATGGATCTC
TAGGCTCTTGCAACGATGAAGAACGCAGCAAAGTGCGAAACGTGATGCGATTTGCACGAATCTGTGAGTCATCTAATAT
TTGAACGCGAATGGCACTGCTATGTAAGTAGCAGTATGTCTGTTTGAGAATCGCAAAACACGATCAACTCTAGTTAAGA
GTTGGGATTGACCTAATATGCTTTTAGCGTATCTGGTTTAAATGTAYCAAGTTGATGGGCTTCCCAGCATTGCTCAATG
TGTGCTAGCGAGACAGTCGTCCCGATCTCACATTAAGGCTCTGTTGCAAGGTTCTATTCACAACTTTTTATTTATTTTA
TCAAGTACGATCTCAAATCAGGCAAGATTACCCGCTGAACYTAAGCATATCAATAAGCGGAGG

Fungal sp. 23 (clone 954-2-9) quadrat S50
GATCATTAATGAATGACCCTCTGGGCCTTCAACCCCAAAAAAACCGTGGAATCGACCCGTGCTTCGACGCCCTCGTGGCGTCG
TATTTATGCAATCGATCCGTCTGTGTCTGAATGAAATCTAGAATTAAAACTTTCAACAAAGGATCCCTTGGCTCTTGCATCGA
TGAAGAACGTAGCGAAGCGCGAAATGTAGTGTGAATCGCAGAACCTTGTGAATCATCGAATCTTTGAACGCACATTGCGCC
TCCTTCACGGGGGGCATGCCTGTCTGAGTGTCATTTAAACCAAATGGACCCGATCTGGGTCCGTGTTGGGCCTCGCCCTTCT
GGGCGTCGCCTCGAGACCATTGGTCTGATGGGCGGGCGAGTTCCTCTAGGACGGACCGCCCTGTGGGCCACGAGACTTCT
GACTTGACCTCAGATCAGGTAG

Fungal sp. 24 (clone 953-3-4) quadrat E7
GATCATTAATGAATGACCCTCTGGGCCTTCAACCCCAAAAAAACCGTGGAATCGACCCGTGCTTCGACGCCCCCGTGGCGTC
GCATTCATGCAATGACGTTTGTGTCTGAATCAAATCTAGAATTAAAACTTTCAACAAAGGATCCCTTGGCTCTTGCATCGATG
AAGAACGTAGCGAAGCGCGAAATGTAGTGTGAATCGCAGAACCTTGTGAATCATCGAATCTTTGAACGCACATTGCGCCTC
CTTCACGGGGGGCATGCCTGTCTGAGTGTCATTTAAACCAAATGGGCCCCTATCGGGGTCCGTGTTGGGCCTCGCCCTCCA

GGGCGTCGCCTCGAGGCCATTGGTCTGATGGGCGGGCGAGTTCCTCTAGGACGGACCGCCCTATCGGCCACGAGACTTCT
GACTTGACCTCAGATCAGTAGA

Fungal sp. 25 (clone 954-3-26) quadrat S50
GATCATTACTGAACGGCCCTCTGGGCCTTCAACCCATCAAACCTGTGGACACGTATTGTGCTTCGGCGCCCTCGTGGCGTCG
CTTTTATGCGTAAAGTTGATAATGTCCGATTCATATCTAAAGATTTAAAACTTTCAACAAAGGATCTCTTGGCTCTCGCATCG
ATGAAGAACGCAGCGAAGCGCGAAATGTAATGTGAATCGCAGAACTTGTGAATCATCGAATCTTTGAACGCACATTGCGCC
TCTCGTGAGGGAGGCATGCCTGTCTGAGCGTCATTTAAACACATGGGCCGGCTCTTTTTGAGCTTGGCCCGTCTTGGACCTC
GCCCCACCGGCGTCGTCTCAATGTCATTGGTCTCATCCGTGGACGAGTCCCTGTAGGGCGGACCATGGAAGGACCCTAAGC
AACTCAGAGTTGACCTCAGATCAGTAGG

Fungal sp. 26 (clone 953-2-24) quadrat E7
GATCATTACCGAGCTTACGCCGTAAGGCGCTGCTCCCTCCCTATGTTGATTTATACCTGTGTTGCTTTGGCGGGCGTTTGCCC
TGGCCCCTGGCCGCCGCCCTCGCCCGCCAAAGCCCATCTAACCCTACCGTCTCTGCCGTGTCTAACTAAAACGAAATTATTA
AAACTTTCAACAACGGATCTCTTGGCTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAAT
TCCGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCCTGGTATTCCGGGGGGCATGCCTATCCGAGCGTCGTTTACACC
ACTTAAGCTCTGCTTAGTCTTGGGTTATGCCGCCTGGCAAGCCCTAAATCGAGTGGCGGCCCCTCCCCCCTCGCGCGCAGTA
TCTTACGCCGCGCTAGGTCCGGGTGGGCGCCTGCCAGCTAAACCCCCCTTTTGTTGTGACCTCGGATAGG

Fungal sp. 27 (clone 904-1-8) quadrat N7
GATCATTCCAAAGTTTTCAATTAAAAACTGTGTTCAGAAAGTGTAGTTTGGCACTGTGAAAGCAGTGTCAAAAGATAAAAG
CCATTTTTATGACTGACATGTTCTTTGAAAATGTATAACAACTGTTGGCAACGGATCACTCGGCTCTCGTGTCGATGAAGAG
CGTAGCGAATTGCGAAAAGTCTTGCGATTTGCACCCCTCGTGAATCATTGAATCCTTGAACGCAGTCTGCACCTCTTGGGTC
CCTCCAGGAGGTCTGCCTGTTTGAGTGTTGTTTAAACAACTATGGACGCATGTCGTCCGAATTGAGACTCTGTTGTGTAAAG
CAACCGAGTTTTGAAAGTGCTTCCGTACGTCTATCAACGGGGAGGGATACTTTTCGCGTCGTAAGGCAAGAAATCAAAGTA
TTACGAACCCAATGATAACGCGCGCTACTCTCATTCTTTTGAATCTCAACCTCAAATCAGGCAGA

Fungal sp. 28 (clone 953-1-22) quadrat E7
GATCATTACAAAGAGAGTTGAAAAACTCCCTAAACCCCCTGTGAACCTACCTCTATTTTCCTTCGGCAGGCGGCCCCAGGGC
GGGGCCGTGGTCTGCTACGCGCAGGCGCCTGCCGGAGACCACTCAAACTCTGTTATTTAAGTTGTCTGAGTACCTATAAAA
ATAATCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCAACGATGAAGAACGCAGCGAAATGCGATACGTAATGCGAATT
GCAGAATTCAGCGAGTCATCGAATCTTTGAACGCACATTGCGCCCGCTAGTATTCTAGCAGGCATACCTGTCCGAGCGTCGT
TTCGACCCTCAGGCCTCCTTGGTTCTGGTGTTGGGGCATCTACGTTATGCGTAGGCTCCGAAATTCAGCGGCGGACCCGCC
GAGACCCCGAATGCAGTAACTAAATTCTCGTTCTGGGCGTCCCGGTAGGCATCTCTAGCCGTTAAACCCCCCAAATTTTACA
AGGTCGACCTCGGATCAGGTAGA

Helotiales sp. 11 (clone 954-1-21) quadrat S50
GATCATTACAGAGTTCGTGCCCTCACGGGTAGACCTCCCACCCTGTGTTATCGTTACCTTTGTTGCTTTGGCGGGCCGCCAG
GCCCCGGCCAGGCTACCGGCTCCCGCTGGTAAGCGCCCGCCAGAGGACCCCAAACCCTGAATGTTAGTGTCGTCTGAGTAC
TATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAGTG
TGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTCCGAG
CGTCATTTCAACCCTCAAGCACAGCTTGGTCTTGGGCTTCGCTGCTCACCCAGCGGGTCTTAAAATCAGTGGCGGTGCCGTC
GGGCCCCAGGGTAGTACATCTCCTCGCTATAGGGCCCCGGCGGGGCAGCCTTCAACCCCCAAATTTAACAGGACGCCAGCT
CATGTCTTAGTGTCGTCTGAGTACTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAAC
GCAGCGAAATGCGATAAGTAGTGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTA
TTCCGAGGGGCATGCCTGTCCGAGCGTCATTTCAACCCTCAAGCACAGCTTGGTCTTGGGCTTCGCTGCTCACCCAGCGGGT
CTTAAAATCAGTGGCGGT

Helotiales sp. 12 (clone 953-1-23) quadrat E7
GATCATTACCGTGATACCAGCCCCTGGGCTGGACTCACCACCCTGCGTATCATGACCCTGTTGCTTTGGTGGGCCGCGAGAT
TGCGATGCGATTGAGCACCGGCTTCGGCTGGAGAGCGCCCGCCAGAGGCCCCAACTCTTGTTATCAGTGATGTCTGAGCAC
TATGTAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATG
TGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGGGGGGCATGCCTGTTCGAG
CGTCATTATAACCAATCACGCCTGGCGTGGACTTGGGGTACGCGTCCCGCGGCCCTTAAAATCAGGGCGGTGCCCGCTGGG
CTCTAAGCGTAGTAATTCTCCTCGCTTTTGGGCTCTGCGGGTGCTGGCCATGACCCCTAATTTTCTCAGGTGACCTCGGATCA
GTAGA

Helotiales sp. 13 (clone 905-3-6) quadrat N50
GATCATTACAGAGAACATGCCCTTCTGGGTATATCTCCCACCCTATGTTTATAATGCCTTTGTTGCTTTGGCAGGCCCGTCTT
TTGACCACCGGCTTTGGCTGGTCAGTGCCTGCCAGAGGACCCTAAAACTCTTTATTTATGTTGTCTGAGTACTATACAATAGT
TAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGCGAATTGCGGA
ATTCAGTGAGTCATCGAATCTTTGAACGCACATTGCACCCTTTGGTATTCCAGGGGGTATGCCTGTTCGAGCGTCATTTCAA

CCCTCAAGCACCGCTTGGTATTGGATGCCATCACCTGTGGTGCATCTTAAAATCATTGGCAGCAGCATTCAGCTTCTAGTGT
AGTAATCTTCTCGCTATGGAGCCCTGTGTGACTGCTAGAACTCTCATCTATCAAATGGTGACCTCGGATCA

Helotiales sp. 14 (clone 954-3-4) quadrat S50
GATCATTACAGAGTTCATGCCCTAACGGGTAGATCTCCCACCCTATGTTATTATCACTTTGTTGCTTTGGCGGGCCGTCAGGC
TTCGGCTTGGCTACCGGCTCTCGCTGGTAAGCGCCCGCCAGAGGACCCCAAACCCTGAATATCAGTGTCGTCTGAGTACTAT
ATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTCGAGCGT
CATTACAACCCTCAAGCATAGCTTGGTCTTGGGCACCGCTGCTAACCCGGCGGGCCTTAAAATCAGTGGCGGTGCCGTCGA
GGCCCTGAGCGTAGTAAACATCCTCGCTATAGGGACCCGGTGGACGCTAGCCATCAACCCCAACTTTCAAGTTTGACCTCG
GATCAGGTAGA

Helotiales sp. 17 (clone 953-2-22) quadrat E7
GATCATTACAGAGTTCATGCCCTAACGGGTAGATCTCCCACCCTATGTTATTATCACTTTGTTGCTTTGGCGGGCCGTCAGGC
TTCGGCTTGGCTACCGGCTCTCGCTGGTAAGCGCCCGCCAGAGGACCCCAAACCCTGAATATCAGTGTCGTCTGAGTACTAT
ATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTCGAGCGT
CATTACAACCCTCAAGCATAGCTTGGTCTTGGGCACCGCTGCTAACCCGGCGGGCCTTAAAATCAGTGGCGGTGCCGTCGA
GGCCCTGAGCGTAGTAAACATCCTCGCTATAGGGACCCGGTGGACGCTAGCCATCAACCCCAACTTTCAAGTTGACCTCGG
ATCA

Helotiales sp. 18 (clone 904-1-18) quadrat N7
GATCATTACAGAGAACATGCCCTCCTGGGTATATCTCCCACCCTTTGTTTACAATGCCTTTGTTGCCTTGGTGGGCCCGTCTT
ATGACCACCGGCTTTGGCTGGTCTGTGCCTGCCAGAGGACCCCAAAATTCTTATTGTAATGTTGTCTGAGTACTATTAAATA
ATTAAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGCGAATTGC
AGAATTCAGTGAGTCATCGAATCTTTGAACGCACATTGCACCCTCTGGTATTCCGGGGGGTATGCCTGTTCGAGCGTCATTT
CAACCCTCAAGCACTGCTTGGTATTGGATGCTATCACTTGTGGTGCATCTCAAAAGCATTAGCGGTAGCATTCAGCTTCTAG
TGTAGTAAATCTCCTTGCTTTGGAGGTGGATGTTTCACTGCTAGAACCCTCACTTTTTAATGGTGACCTCGGATCATGTAGG

Inocybe sp. 3 (clone 954-2-23) quadrat S50
GATCATTATTGAATAAACTTGAACAGGCTGTTTGCTGGTCCTTTATGGGATATGTGCACGCTTGTCATCTTTATCTCTCCAAC
TTGTGCACATATTGTAGATTTGGAGGTTTTTATCTTTGAATAGATTGAGGATTGCTGTACTTGGCTTTGCCTTGGATCTCCAG
GTCTATGTTTTCATGACCTCTGAATGTGTTTAGAATGTAAAGTTGCTATAATAAAATATATACAACTTTCAGCAACGGATCTC
TTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTT
GAACGCATCTTGCGCTCCTTGGTATTTTGAGGAGCATGCCTGTTTGAGTGTCATTAAGTTCTCAAGCTGCATTGAATTTTTTT
TATTTGATGTTGGCTTTTGGATGTGGGGAAATTATTATTATTTTTTTTTGCAGGCTTTGGAAAACCAAAGTCAGCTTCCCTGA
AATACATTAGTGGTATCTGAGCAGAGACTACTACAGGTGTGATAATTCATCTATCTATGCCTTGGTATGCTGCACAAAACAG
ATTACACCGC
TTCGAACACAAACAACATATTTGACCAACTTGACCTCAAATC

Laccaria sp. 1 (clone 954-1-10) quadrat S50
GATCATTATTGAATAAACCTGATGTGGTTGTAGCTGGCTTTTCGAAGCATGTGCTCACCCGTCATCTTTATCTCTCCACCTGT
GCACCTTTTGTAGTCTTGGATACCTCTCGAGGCAACTCGGATTTGGGATCGCTGTGCTGTACAAGTCGGCTTTCCTTGCATTT
CCAAGACTATGTTTTATATACACCAAAGAATGTTTAAAGAATGTCATCAATAGGAACTCGTGTCCTATAAAAACTATACAAC
TTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAG
TGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAAC
CTGCCAGCTTTTTATTAGCTTGGTTTAGGCTTGGATGTGGGGGTTGCGGGCTTCATGACGAGGTCGGCTCTCCTTAAATGCA
TTAGCGGAACTTTTGTGGACCGCCTATTGGTGTGATAATTATCTACGCCGTGGATGCGAAGCAGCTTTTATAAAGTTCAGCT
TCTAACCGTCCA
TTGACTTGGACAAATTTTGACACTTTGACCTCA

Laccaria sp. 5 (955-2-1) quadrat E50
GATCATTATTGAATAAATCTGATGTGGTTGTAGCTGGCTTTTCGAAGCATGTGCTCGCTCGTCATCTTTATCTCTCCACCTGT
GCACYTTTTGTAGTCTTGGATACCTCTCGAGGAAACTCGGATTTGGGATCGCTGTGCTGTAAAAGTCRGCTTTCCTTGCATTT
CCAAGACTATGTTTTTATATACACCAAAGAATGTTTAAAGAATGTCATCAATGGGAACTTGTTTCCTATAAAAACTATACAAC
TTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAG
TGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAAC
CTTCCAGCTTTTATTAGCTTGGTTAGGCTTGGATGTGGGGGTTGCGGGCTTCAATTTAAGAAGTCGGCTCTCCTTAAATGCA
TTAGCGGAACTTTTGTGGACCGTCTATTGGTGTGATAATTATCTACGCCGTGGATGTGAAGCAGCTTTATGAAGTTCAGCTT
CTAACCGTCCATTGACTTGGACAACTTTGACAATTTGACCTCAAATCAGGTAGA

Laccaria sp. 9 (clone 906-4-3) quadrat S7
GATCATTATTGAATAAACCTGATGTGGTTGTAGCTGGCTTTTCGAAGCATGTGCTCGCCCGTCATCTTTATCTCTCCACCTGT
GCACCTTTTGTAGTCTTGGATACCTCTCGAGGGGACTCGGATTTGGGATCGCTGTGCTGTACAAGTCGGCTTTCCTTGCATT
TCCAAGACTATGTTTTCATATACACCAAAGAATGTTTAAAGAATGTCATCAATGGGAACTTGTTTCCTATAAAAACTATACAA
CTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCA
GTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAA
CCTTCCAGCTTTTGTTAGCTTGGTTAGGCTTGGATGTGGGGGGTTGCGGGCTTCATTACGAGGTCGGCTCTCCTTAAATGCA
TTAGCGGAACTTCTGTGAACCGTCTATTGGTGTGATAATTATCTACGCCGTGGATGTGAAGCAGCTTTATGAGGTTCAGCTT
CTAACCGTCCATTGACTTGGACAAATTTTGACAATTTGACCTCAAATCAGGTAGA

Leohumicola sp. 1 (906-1-12) quadrat S7
GATCTTAGGTCGCCATAGAATTTCGGGGTTGAAGGCAAGCATCCACCGGGACCCTGTAGCGAGAAGTATTACTACGCTT
AGAGCCAGATGGCACCGCCACTGATTTTAAGGGCTGCCGGTAACAGCAGGCCCCAACACCAAGCTTAGCTTGAGGGGTT
ATAATGACGCTCGAACGGGCATGCCCCTCGGGATACCAAGGGGCGCAATGTGCGTTCAAAGATTCGATGATTCACTGAA
TTCTGCAATTCACATTACTTATCGCATTTCGCTGCGTTCTTCATCGATGCCAGAACCAAGAGATCCGCTGTTGAAAGTT
TTAACTATTATATAATACTCAGACGACACTAATATTCAGAGTTTGGGGATCCTTTGGCGGGCACTTACTAGCCGGAGCC
AGTAGCTGAAGCGGCCCGCCAAAGCAACAAAGGTATAGTATTCAAGGGTGGGAGATCTACCTGTGAGGGCATGAACTCT
GTAATGATCCTTCCGCAGGTTCACCTACGGAAACCTTGTTACGACTTTTACTTCCTCTAAATGACCAAGA

Metarhizium aff. *flavoviride* (clone 954-3-5) quadrat S50
GATCATTACCGAGTATACAACTCCCAAACCCCTGTGAACTTATACCTTTACTGTTGCTTCGGCGGGTCCGCCCCGGAACAGG
TTCGCGAGAGCCGGCCCGGAACCAGGCGCCCGCCGGGGGACCAAAACTCTTGTATTTTTACTTTTGCATGTCTGAGTGGAA
TCATAACAAATGAATCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCGCCAGTACTCTGGCGGGCATGCCTGTT
CGAGCGTCATTTCAACCCTCAAGCCCCAGCGGCTTGGTGTTGGGGACCGGCGACCGGCGCCTGCTTCGGCAGGCCCGCGC
CGCCCCCGAAATGAATTGGCGGTCTCGTCGCGGCCTCCTCTGCGTAGTAGCACAACCTCGCAACAGGAGCGCGGCGCGGC
CACTGCCGTAAAACGCCCAACTTTTTTTAGAGTTGACCTCGAATCANGTAGA

Mortierella sp. 1 (clone 953-3-10) quadrat E7
GATCATTCATAATAAAGTGTTTTATGGCACTTTTTAAAAATCCATATCCACCTTGTGTGCAATGTCAAGTCTCTCGTTCAAGA
CAGTTTCGACTGTTCTTGGGCAGGGTCTTTATATATCAACTCTTTCTTAAACCAATTTGTCTGAAAAATATTATGAATACTTAA
TTCAAAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAAT
TGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATATTGCGCTCTCTGGTATTCCGGAGAGCATGCTTGTTTGAGTATCA
GTAAACACCTCAATCCTCGTTTCTTTTTGAAGAGAGAGGAATTGGACTTGAGCAATCCCAACACTTGCAAGAGTGGCGGGT
TGCTTGAAATGCAGGTGCAGCTGGACGTTCCTCTGAGCTAAAAGCATATTTATTTAATCCCGTCAAACGGATTATTACTTTTG
CTGCAGCTAACATAAAGGAGAATCGTTCTTGTGCTGACTGATGCAGGATTCACAGGTTGCTTCGGTGACTTGTAAACTCGAT
CTCAAATCAAGTAAG

Mortierella sp. 2 (clone 953-3-9) quadrat E7
GATCATTCATAATAAGTGTTTTATGGCACTTTTTAAATCCATATCCACCTTGTGTGCAATGTCAGTCGGTCTTCTTTATGGAG
ATCGGCCAAACATCAACCTATTTTTTTAACTCTTTGTCTGAAAAATATTATGAATAAAATAATTCAAAATACAACTTTCAACAA
CGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATC
GAATCTTTGAACGCATATTGCGCTCTTTGGTATTCCGAAGAGCATGCTTGTTTGAGTATCAGTAAACACCTCAAAACTCTTTT
TTATTTTTTGAAAAACAGTTTTGGACTTGAGCAATCCCAACACCAATCTTTTTTAGATCAGTGGCGGGTTGCTTGAAATGCAG
GTGCAGCTGGACATTCTCCTGAGCTAAAAGCATATTTATTTAGTCCCGTCAAACGGATTATTACTTTTGCTGCAGCTAATATA
AAGGGAGTTTGACCGTTTTGGCTGACTGATGCAGGATTTCACAAGGGTCGGCAACGATTCTTGTAAAACTCGATCTCAAAT
CAAGTAGA

Mortierella sp. 3 (clone 955-1-19) quadrat E50
GATCATTCATAATAAGTGTTTTATGGCACTTTTTAAATCCATATCCACCTTGTGTGCAATGTCAGTCGGTCTTCTTTATGGAG
ATCGGCCAAACATCAACCTAATTTTTTAACTCTTTGTCTGAAAAATATTATGAATAAAATAATTCAAAATACAACTTTCAACA
ACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCAT
CGAATCTTTGAACGCATATTGCGCTCTTTGGTATTCCGAAGAGCATGCTTGTTTGAGTATCAGTAAACACCTCAAAACCTTTT
TTTATTTTTAAAAAACAGTTTTGGACTTGAGCGATCCCAACACCAATCTTTTTTAGATCGGTGGCGGGTTGCTTGAAATGCA
GGTGCAGCTGGACATTCTCCTGAGCTAAAAGCATATTTATTTAGTCCCGTCAAACGGATTATTACTTTTGCTGCAGCTAATAT
AAAGGGAGTTTGACCGTTTTGGCTGACTGATGCAGGATTTCACAAGGGTCGGCAACGATTCTTGTAAAACTCGATCTCAAA
TCAAGTAAG

Mortierella sp. 4 (clone 903-2-2) quadrat N1
GATCATTCATAATAAGTGTTTTATGGCACTTTAAAAAATCCATATCCACCTTGTGTGAAGTGTCTGTTGCTCTTTCTTCGGAA
AAAGCAGCTCAACATCAACTCATATTGATCAACTTTGTCTGAGAAATATTATGAATAAACTAATTCAAAATACAACTTTCAAC
AACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCA
TCGAATCTTTGAACGCATATTGCACTCTTTGGTATTCCGAAGAGTATGCTTGTTTGAGTATCAGTAAACACCTCAAAACCCTC

GATTTGTTTCGAATGGATTTTGGATTTGAGCAAACCCAGCGCCTTTCTGCTTGTCAGATTTGTGGCGGGTTGCTTGAAATGC
AGGTGCAGCTGGAATTTCTTCTGAGCTAATAGCATACTTAATTAGTCCCGTAAAACGGATTATTAATCTGCTGAAGCTTACTT
AAAGGAAGGGTTCTTTGGCTGACTGATGCAGAATTAAGCAGAGTCGGAAACGGCTTTGTAAAACTCGATCTCAAATCAAGT
AAGACT

Mortierella sp. 5 (clone 904-2-6) quadrat N7
GATCATTCACAATAAGTGTTTTATGGCACTTTTTCAATCCATATCCACCTTGTGTGCAATGTTGTCTTGTAGCATGATGCTTGT
CATTGCGCTATAGGATGTAAACATCAACTCTTATTTTTAACAACTTTGTCTGAAAACCTGTATGAATACTTAATTCAAATACA
ACTTTCAACAACGGATCTCTTGGCTCTCGCACCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTC
AGTGAATCATCGAATCTTTGAACGCATATTGCGCTCTCTGGTATTCCGGAGAGCATGCTTGTTTGAGTATCAGTAAACACCT
CAAATCCCTCTACTTGTTGGAGGAATTTGGACTTGAGCAATCCCAACTTTTCGAAAGAGAAGGCGGGTTGCTTGAAATGCA
GGTGCAGCTAGATTCTTTCTTCTGAGCTATAAGCATACTTATTTAATCCCGTCAAACGGATTATTACTTTTGCTGCAGCTAAC
ATAAAGGTTGAAGAGTCGCTATGGCTGACTGATGCAGGATTAACATGTCGCGTAAGCGACTTGTAAACTCGATCTCAAATC
AAGCAG

Mortierella sp. 6 (clone 906-4-12) quadrat S7
GATCATTCACAATGAGTGTTTTATGGCACTCTTTAAAAATCCATATCCACCTTGTGTGCAATGTTTGTTGGGAGAGAGGCAA
CTCTTTCCCTTCACTAATATCAACCTATATCTTTAACAACATTCGTCTGATAACATATTATGAATATACTTAATTCAAAATATAA
CTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCA
GTGAATCATCGAATCTTTGAACGCATATTGCGCTCTTTGGTATTCCGAAGAGCATGCTTGTTTGAGTATCAGTAAACACCTC
AACCTCCTCTTGTTTTTTCAGAAGGAGGGTGGACTTGAGCTATCCCAACAACCTTCACCGGTAGGCGGGCGGCTTGAAATG
CAGGTGCAGCTGGACTTTTATCTGAGCTAAAAGCATATCTATTTAGTCCTCGTCAAACAGGATTATTACTATTGCTGCAGCTA
ACATAAAGGATAATTGTCCTCATTGCTGACTGATGCAGGATTTTACGACACTCTATGTGTTGTTCAACTCGATCTCAAATCAA
GTAAG

Mortierella sp. 7 (clone 954-3-28) quadrat S50
GATCATTCATAATAAGTGTTTTATGGCACTTTAAAAAATCCATATCCACCTTGTGTGAAATGTCTGTTGTTCTTTCTTCGGAAA
GAGCAGCTCAACATCAACTCATATTGATCAACTTTGTCTGAAAAATATTATGAATAAACTAATTCAAAATACAACTTTCAACA
ACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCAT
CGAATCTTTGAACGCATATTGCACTCTTTGGTATTCCGAAGAGTATGCTTGTTTGAGTATCAGTAAACACCTCAAATCCCTCT
ACTTGTTGGAGGAATTTGGACTTGAGCAATCCCAACTTTTCGAAAGAGAAGGCGGGTTGCTTGAAATGCAGGTGCAGCTAG
ATTCTTCCTTCTGAGCTATAAGCATACTTATTTAATCCCGTCAAACGGATTATTACTTTTGCTGCAGCTAACATAAAGGTTGA
AGAGTCGCTATGGCTGACTGATGTAGGATTAACATGTCGCGTAAGCGACTTGTAAACTCGATCTCAAATCAAGCAAGAT

Mucoromycete sp. 2 (clone 954-3-17) quadrat S50
GATCATTCATAATAAGTGCTCTACTGCACTTTTTAAACAAGTACTCACCTTGTGTGCAATGCTTGCTGTCGTGTCGTTCACGC
GTCGCGTCAGCTTAATACCAACCTTTTATTGAAACAATTTTGTCTGAAGATATTTTGAATAAATAATTCTAAATACAACTTTCA
ACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAAT
CATCGAATCTTTGAACGCACATTGCACTCTCTGGTATTCCGGAGAGTATGCTTGTTTGAGTATCTGTAAACATCTCAAATCTC
TCTGCGCTTGCGCAAAAGAGAATTGGATTTGAGCGATCCCGACTCCTTCGTCAGAAAGAGGAGGGTCGCTTGAAATGCAG
GTGCAGCTGGACATTCTTCTGAGCTAAAAGCATATCTATTTAGTCCCGTCAAACGGATTATTACTTTTGCTTCAGCTAATATA
AAGGTCGAATGAACTACCAACGCTGATTGCAGGAAAACTCGTTCTTAACCGAACTTGTAAACTCGATCTCAAATCAAGTA

Neonectria sp. 1 (clone 957-4-7) quadrat S1
GATCATTACCGAGTTTACAACTCCCAAACCCCTGTGAACATACCATTTGTTGCCTCGGCGGTGCCTGCTTCGGCAGCCCGCC
AGAGGACCCAAAACCCTTGATTTTATACAGTATCTTCTGAGTAAATGATTAAATAAATCAAAACTTTCAACAACGGATCTCTT
GGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGA
ACGCACATTGCGCCCGCCAGTATTCTGGCGGGCATGCCTGTTCGAGCGTCATTTCAACCCTCAAGCCCCGGGGCTTGGTGTT
GGAGATCGGCGTGCCCTCCGGGGCGCGCCGGCTCCCAAATATAGTGGCGGTCTCGCTGTAGCTTCCTCTGCGTAGTAGCAC
ACCTCGCACTGGAAAACAGCGTGGCCACGCCGTTAAACCCCCCACTTCTGAAAGGTGACCTCGGATCAGTAG

Neonectria sp. 2 (clone 953-3-5) quadrat E7
GATCATTAATGAATGACCGGCAGGGCGCTAGAGGACACAAACCCGTGGAATTATACAGTGTTTTGAGGGTAAAGGGGTAT
ATAAATCAAACAATCAACAACGGATCTAATGGTTTTGGCATCGATGAAGATCGCAAAAGGATCCGATAAGTAATGTGAAGA
CAGAATTCAGTGAATCATGGAATATTTGGAGGCACATGCAGACCGCCAGAATCAGGCGGGCATGAATGTTACAGCGTCATT
TCAACCCTCAAGGCACCGGGTTTGAGTTGGAGATCGGCAAATGGGCCGGGGCGCGGGTGCTCCCAAATATAGTGGCGGCA
GGGCGGTAGCTTCCCGCCGTAGTAGCACACCTGGCAGAGGAAAACAGGGGGGCACGCCGTTTAACCCCCCAGATTTGAAA
GGTGACCTCAGATCAGTAG

Oidiodendron sp. 2 (clone 904-1-10) quadrat N7
GATCATTACAGAGTTCTCGCCCTCGCGGGTAGATCTCCCACCCACTGTTATCGTTACTATCGTTGCTTTGGCAGGCCGCCGG
GTCCTGCCCGGCCCCCGGCTTCGGTTGGGGGCGTGCCTGCCAGAGGCCCTACAAACTCTGAATGTTAGTGTCGTCTGAGTA
CTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT

GCGAATTGCAGAATTCAGTGAGTCATCGAATCTTTGAACGCACATTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTTCG
AGCGTCATTTCAACCCTCAAGCACTGCTTGGTGTTGGGCCCTGCCCGTTACGGCCGGCCCTAAAACCAGTGGCGGCGCCGT
CTGGCTCTAAGCGTAGTACATCCCTCGCTCTAGAGTCCCGCGGTGGCTTGCCAGAACCCCTAATTCTTATGGTTGACCTCGG
ATCA

Onygenales sp. 1 (clone 954-2-16) quadrat S50
GATCATTAGTGAACGCCCTCACGGGCTTATAACTATTCCAAACCTCTGTGAACCGTGCCCTTCGGGGCTATTTTACAAACAT
GGTGTAATGAACGTCATATATCATAACAAAACAAAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCA
GCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCCTGGTATTCC
GGGGGGCATGCCTGTTCGAGCGTCATTACAACCCTCAAGCTCTGCTTGGTGTTGGGCCCCGCCGCCCCGGCGGGCCCTAAA
ATCAGTGGCGGTGCCGTCCGGCTCCGAGCGTAGTAATTCTTCTCGCTCTGGAGGTCCGGGTGTGTGCTCGCCAGCAACCCC
CAATTTTTTTCAGGTGACCTCGGATCAGTAG

Rhodocollybia sp. 1 (clone 956-3-16) quadrat E1
GATCATTATTGAGATATAACGGTGCTTTGTTAGTCCTTGTAATGCAAAGTTAGTGCTGGCTTTCTACAAAGTATGTGCACACT
TTGCTTGTGGGGGTTCTAGCAATGAACTGTTTCTTATCCATCCACCTGTGCACTTTTTGTAGAAGTTTTTATTAGGCCCGGCC
CTCAAGTCGAAAGATTTGTTAGTTCGGCATAATAGGACTTCTATGTCTTTATAAACCATTGAAGTATGTCTAGAATGTCGTTT
TACTGGGACTTCGTTGACCCTTTAAACTTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCCCATCGATGAAGAACGCAGC
GAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTCTGGTATTCCGG
AGGGCATGCCTGTTTGAGTGTCATTAAATTCTCAACTTCAATAGTTTTCATTAACTTACTGAAGCTTGGATGTGGAGGTCTGT
TGGCGTCTTAGATGTTCAGCTCCTCTTAAATACATTAGTGGAATTCCCGTTGGGTTGGTCCATCTTGGTGTGATAATTATCTA
CGCTTTGCT
TGGTTCAACTGTTGTCAGGTGTGCTTAGGCTAGATCCTGGTTGTGATATCGCATTAATTTGCTTTATCTGTTGGGAAAT
TTATCTGCTTTCTAACCGTCTGTTGTTTCAGACAATTTATTGACTATTTGACCTCAAATCAGGTAGA

Russula sp. 2 (clone 956-2-12) quadrat E1
GATCATTATCATACAATAGAGGTGCTGGGGTTGTCGCTGACTTTTGAAAGGGTCGTGCACGCCTCGGTGCTCTCGCACATA
ATCCATGTCACCCCTTTTGTGCATTACCGCGCGGGGACCCCTTTTAGCGAGGGGTCTTCACGTTTTTACAAATTATAACGCAA
TGTGTAGAATGTCTTACTTTTTGCGATCACACGCAATCAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAA
GAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTT
GGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGACATTCTCAAACCTTCTTGGTTTCTTGACCAGGAAGGCTTTGGACTT
TGGAGGCATTTGCTGGCATTCCTTCGTTGGAGCCAGCTCCTCTGAAATGGATTAGTGGGGTCTGCTTTGCCTATCCTCGACG
TGATAAGATGTTTTCTACGTCTTGGGTTTTGCACTGTTTCCCGCTTCTAACCGTCTCACAGAAGACAATGGTCACTTGACCCA
TGAACCTTGACCT
CAAATC

Russula sp. 4 (clone 905-7-10) quadtrat N50
GATCATTATCGTATAAAATGGAGGTGCTGGGGCTGTCGCTGACCTTTGAAAAAGGTCGTGCACGCCCGGAGCACTCTCTCA
TATCCATCTCACCCCTTTGTGCATTGCCGCGTGGGCCCCCCTTTTGGCTTGTTCCAGAGGGGGTGACCTGCGTTTTTACATAG
ACACCCTTTGAATGCATGTGTAGAGCGTCTTACTTTTTGCGATCACACGCAATCAATACAACTTTCAACAACGGATCTCTTGG
CTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAAC
GCACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAATACTCTCAACCTTCTTGGTTTCTTTGACCA
CGAAGGCTTGGACTTTGGAGGTTTTTCTTGCTGGCGTCTTTTGAAGCCAGCTCCTCCTAAATGAATGGGTGGGGTCCGCTTT
GCTGATCCTCGACGTGATAAGCATTTCTTCTACGTCTCAGTGTCAGCTCGGAACCCGCTTTCCAACCGTCTTTGGACAAAGA
CAATGTTCGAGTTGTGACTCGACCTTTCAAACCATGACCTTAAATCTCTAG

Russula sp. 5 (clone 955-2-5) quadrat E50
GATCATTATCGTATAACCGAGGTGCGAGGGCTGTCGCTGACCTTTGGGTCGTGCACGCCCGAGTGCTCTCACATACATCCAT
CTCACCCATTTGTGCATCATCGCGTGGGCCCCGCTCTTCGAAGGGGGGCTCGCGTTTTCATACAAACACCCCTTTTTAATGCA
GTGTAGAATGTTCATTTGCGATGACTCGCAATAAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAAC
GCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCCTTGGCAT
TCCGAGGGGCACACCTGTTTGAGTGTCGTGACATTCTCAAAGAACCATTCTTGGTCCTTGTGATCGAGAAAGGCTTTTTGGA
CTTTGGAGGTTATTGGTGGTTTTCCCAAATCGTCGGAACATATCAACAGTGAGCAAGCTCTTGGTCATTTAGAGGAAGTAAC
TTGGGCATATCAATAAGCGGAGGAGCATATCAACAGTGAGCAAGCTCTTGGTCATTTAGAGGAAGTAACTTGGGCATATCA
ATAAGCGGAGGAGCCTATCAACAGT

Russula sp. 9 (clone 954-3-1) quadrat S50
GATCATTATCGTATAAAATGGAGGTGCTGGGGCTGTCCGCTGACCTTTGAAAAAGGTCGTGCACGCCCGGAGCACTCTCTC
ATATCCATCTCACCCCTTTGTGCATTGCCGCGTGGGCCCCCTTTTGGCTTGTTCCAGAGGGGGTGACCTGCGTTTTTACATAG
ACACCCTTTGAATGCATGTGTAGAACGTCTTACTTTTTGCGATCACACGCAATCAATACAACTTTCAACAACGGATCTCTTGG
CTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAAC
GCACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAATACTCTCAACCTTCTTGGTTTCTTTGACCA
CGAAGGCTTGGACTTTGGAGGTTTTTCTTGCTGGCCTCTTTTGAAGCCAGCTCCTCCTAAATGAATGGGTGGGGTCCGCTTT

GCTGATCCTCGACGTGATTAGCATTTCTTCTACGTCTCAGTGTCAGCTCGGAACCCGCTTTCCAACCGTCTTTGGACAAAGAC
AATGTTCGAGTTGTGACTCGACCTTACAAACCTTGACCTCAAATC

Russula sp. 13 (clone 906-4-27) quadrat S7
GCGGAAAGACTAGCGGAGGAGGGAATCAACGCTCGATAAACGAAGGATTAAAAGACAGTCCATCTCATATCAATGTGCGT
AAGAGGATGATGCCCCTTCCCAGGAGGGGGGGCTCACGTTTTTAACATCCGACACCTTTTTGAACGTAATGAATAATGTT
CTTTGGCGACCATGGGCGGTCAAAACAACTATCAACGACGGATCTTGTGGCTCTCGCAGCGATGAGGAACGCTTCGAAAT
GCGATACGTAATGGGAATTGCATAGTTCAGTGAGTCATCCAATCTATGAACGCACCTTGCGCCCCTTGGCATTCCGAGGG
GCACACCGGTTTGAGTGTCGTGAACATCCTCAACCTGCTTGGGTTTCTCCAAACCAGATAGGCTTGGAATTTGGAGGTTT
TCTGCTGGCCTCATTTGAAGCCAGCTCCTCTCAAATGTATTAGTGGGATCCGCTTTGCTAGATCCTCTACGTTGATTAGA
TGTTTCTACATCTTGGGTTTCTCTCAAGAATGACCTGCTTCTAACAGTCCCTTCAGGGATAACGATCGAGAGCCGATCGC
CGCATGAATGCGGTGGGAAGCTATTCGACCTTTCATGCCTTGACCTCAGTC

Russula sp. 14 (clone 906-3-10) quadrat S7
GATCATTATCGTAAAATGGGGGTACGAGGGCTGTCGCTGACGTCAAGTCGTGCACGCCCAAGTGCTCTCCCATACAATCCA
TCTCACCCCTTTGTGCATCACCGCGTGGGTCCCCTTCCTCGGAGGGGGTGCTCACGTTTTTAACATCGAACACCCATTTGAAC
GTAGTGTAGAATGTTCTTTGCGCGACCATGCGCGATCAATACAACTTCCAACAACGGATCTCTTGGCTCTCGCATCGATGAA
GAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCCTT
GGCATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAACATCCTCAACCTGCTTGGTTTTCTCCAAACCAAGTAGGCTTGGAA
TTTGGAGGTTTTCTGCTGGCCTCATTTGAAGCCAGCTCCTCTCAAATGTATTAGTGGGATCCGCTTTGCTAGATCCTCGACGT
TGATAAGATGTTTCTACGTCTTGGGTTTCGCTCAGGAATGACCTGCTTCTAACAGTCCCATCAGGGACAACGTTCGAGAGCC
GATCGCCCCGTGAAGGGGGTGGGAAGCTTTTCGACCTTTCATGCCTTGACCTCAAATCGGGTGAG

Russulaceae sp. 7 (clone 956-4-8) quadrat E1
GTTCATTCGTAATAAGTGACTCTTGAAAGGGTTTTACACACCTTGGTGCTTTTCACACATAATCCGGGGGGGATTTTATGTTC
ATTTCCGGGGAGGCCAGCCCCTCCCCTAACATAAAAGGGATTTTCACGTTTTTGTCAATTTTAACGCAAAATACATCAATTCA
AAATACAACTTTCATCAACAAACAATACAACTTTCGACAACGGATCTCTTGGCTCTAACATCGATGAAGAATGCAACGAAAT
GAGATCAGTAAATCGAAGTACCGAATTCAGCGAATCATCGTATCTTGTAATGCGCCGAGCACCCTTGGGCATTCCTCGGGG
CACACCCCAAATCGTGTCGTGACATTATAAAACCTTGTAGGTTTGCAATCCAGGAAGGCTTTGGACTTTGAAGGCTTTTTAT
GGTGTTCCTCTGTGCGAGCCAGCTTCTATTAAATCGATTAGTGAAATCATATTCGCCTATCCCCGACAAAATAAGATGTTTTT
TACGTCCAGGAACACAAGTTTCATGCTTCTTTCCGTCTCACAGAACCAATTTTCACGTGAGGCCACCGACCCAGAACCTGAC
CTCAAATCATGTAG

Russulaceae sp. 8 (clone 956-2-3) quadrat E1
GATCATTATTCATACAATGGAGGTGCTGGGGTTGTCGCTGACTCTTGAAAAGGGTCGTGCACACCTCGGTGTTCTCACATAT
AATCCCATCTCACCCCTTTTGTGCATTACCGCGTGGGGACTCCTTTTAGCTAGTTTCTAAGGGGGGATCTTCACGTTTTTACC
AATTTTAACGCAATGTGTAGAATGTCTTACTTTTTTGCGATCATACGCAATCAATACAACTTTCAGCAACGGATCTCTTGGCT
CTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGC
ACCTTGCGCCCTTTGGCATTCCGAGGGGCACACCCGTTTGAGTGTCGTGACATTCTCAAACCTTCTTGGTTTCTTGACCACGA
AGGCTCCGGACTTTGGAGGCTTTTGCTGGTGTTCCTTTGTCGGAGCCCGCTCCTATGAAAAGCAATAGTGGGGTTTGCCTAT
CCTATCCTAGACGTGATAAGATGTTTTCTACGTCTTGGGATTTGCCCTGTTTCCTGCTTCTAACCGTCTCACAGAAGACAATG
GTCAAGTGATCGCCACTTGACCCATGAACCATGACCTCAAATCG

Saccharomycetales sp. 1 (clone 903-3-1) quadrat N1
GATCATTATTGAATCCATTCATATTCGTGAACTAAATTTGCTTCGGCAGTCGTAAGACGGCCGGATATTTAACTCCAATTGAT
TTGTCTGAAAAAAAAAAATTAATTTTAAAACTTCCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAAGC
GCGATAGGTATTGTGAATTGCAGAATTGTGAATCATCGAATTTTTGAACGCACATTGCACCCACTGGTATTCCGGTGGGTAT
ACTTGTTTGAGCGTCATTTCTCTCTCCCTTTGGGGTTTTGGCTTGAGTATTCTAGCTGAATTATAATGGTGCCGCTAATTGGA
CTTACAACGTAATAGATATTTCGTTTAGTGTTTAGTAGAAAGCTCACCTAAGAACATTATCTGACCTCAAATCAAGC

Saccharomycetales sp. 2 (clone 903-2-3) quadrat N1 **OK
GATCATTATTGAATCCATTCATATTCGTGAACTAAATTTGCTTCGGCAGTCGTAAGACGGCCGGATATTTAACTCCAATTGAT
TTGTCTGAAAAAAAAAAATTAATTTTAAAACTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAAGCG
CGATAGGTATTGTGAATTGCAGAATTGTGAATCATCGAATTTTTGAACGCACATTGCACCCACTGGTATTCCGGTGGGTATA
CTTGTTTGAGCGTCATTTCTCTCTCCCTTTGGGGTCTTGGCTTGAGTATTCTAGCTGAATTATAATGGTGCCGCTAATTGGAC
TTACAACGTAATAGATATTTCGTTTAGTGTTTAGTAGAAAGCTCACCTAAAAACATTATCCGACCTCAAATCAAGC

Sebacina sp. 4 (clone 906-5-17) quadrat S7
GATCATTATTGATTGTGAATCGTTGCCTTCTGTGCTGGCTTCGGCAAGTGCACGTAGGTGACTTTCATCCCAACACCCATGT
GAACCTTTGGCCTCTTGCTAGCTTCGGTTGGCAGAGGATTTAATACACAAACTCCAATGTAATGAAAAAACTTTGTTGTGCG
CAAGCACTAATGTACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGTGATAAGTAAT
GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCACCCTTTGGCATTCCGAAGGGTATGCTCGTTTGA
GTGTCATTGTACTCTCACACTCTCCGATTTCGAATTGGGAGTGGTGGACTTGGGTGGTTGCTGCTTCACTGTGGCTCATCTC

AAATGTGTTAGTGCAACTTTCGGTTGGACATAGTACGGCGTGATAAGTGTCTTCGCCGGTGCCTCGCAAGAGGGTGCCTAA
CCGGGAGCTCTGTGCTTCAAACTGTCTTCGGACAAACTCTGACAACTTGACCTCAAATCGAGTAGA

Sebacina sp. 5 (clone 953-1-21) quadrat E7
GATCATTAACGAATTTGAAGTCGATCATCTGTGCTGGCGCAACCACGCATGTGCACGTTGATTGGCAACTCATCCACACACC
TTGTGCACACCTAGACCACAGAGCGGTTCGTCGAGGATCTTCGGGTCCTTGGCTTGAGCAACTCTGTCGGTACTTTTTTCAC
ACACTCGTATGTGATTGGGATGTCCAAGTGCTCTTAAGCACGATAAAAGTTTAAAACAACTTTCAACAACGGATCTCTTGGC
TCTCGCATCGGTGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACG
CACCTTGCACCCTTTGGTATTCCGAAGGGTACGCCCGTTTGAGTGTCATTGTATTCTCACCACTTCTCCTTTTTTGTGGAAGG
CGGTGGACTTGGACGCTTGCCGTAGTTGCTACGGCTCGTCTTAAATGCAGGAGTGTGACCCCCCTTTGTCGGTGTCATCTGG
TGTGATAAGTATCTTCACTGGAGTATCTTGGAGGGACTGTGTCCTTTCGAGAGCATCGTTTGGGTGTGGTGATGCTGCCAA
CCGTCTTGCTTGCAGGACAATCTTTGACAATTGACCTCAGATCG

Sebacina sp. 6 (clone 955-1-3) quadrat E50
GATCATTATTGATTGTGAACAGTTGCCTTCTGTGCTGGCTCTGGCATGTGCACGTTGGTGACTTTCATCCACACACTTGTGAA
CCCTTGGCCTCTTGCTTGCCTTGGCTTGCAGAGGATTTTACACACACTCTTGAAATGTAATGAAAAACTGTTGAGTGCATTTG
CACTATTATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCACCCTTTGGTATTCCAAAGGGTATGCTCGTTTGAGTGTC
ATTGTACTCTCACACTCTCTGATCTTAGGATTGGGAGTGGTGGATTTGGGTGTTGCTGCTTCACTGTGGCTCACCTCAAATG
CATTAGTGCAACTCTTGACTGAACCATAGTATGGCATGATAAGTGTCTTTGCCAGCACCTCTCAGTAGGGTGGTCAATCGAG
GGCTCTGCGCTTCTAACTGTCTTTGGACAATCTTTGACAACTTGGCCTCAAATCGAGTAG

Setchelliogaster sp. 2 (clone 906-3-12) quadrat S7
GATCATTACAGAATAAACTTGATGGGTTGTTGCTGGTTCTTTCGGGAGCATGTGCACGCCTGTCACTTTTGTCTTTCCACCTG
TGCACCCTTTGTAGACTTGGAATTAAACTATCTGAAAGCTTTAAAACGGCTTTCGGTTTGAGGGATTGCTGTGCCCATTTGG
GTCAGCTTCCCTTGCAGGTTCCAGCCTATGTTTTTCATACACCCCATAGTATGTCTTAGAATGTTATCAAGGGCCGTAGTGCC
TATAAAACTTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATG
TGAATTGCAGAATTCGGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAG
TGTCATTAAATTCTCAACCTTATCATCTTTGATGAAAAGGCTTGGACTTGGGGGTTTTATTTGCGGGCTTCAACCATTTGAAG
TTAGCTCCCCTTAAATGTATTAGCCGGAAAATCCTTGTGGTCCGTCTATTGGTGTGATAATTATCTACGCCGTGGACATAGG
GCTGCCTTTTGTAATGGGATTTCTGCTTCAAACCGTCCTTAGGGGCAATATCTGATCATTTGACCTCAAATCAGGTAGA

Trechispora sp. 1 (clone 957-3-19) quadrat S1
GATCATTAACGTATCTCTGACGGCGAGGGTGCGCCCCTGCTCCGGACCGAAAGGCCGTGCAGCGGGCGAGCCCGAGCCGC
TCAACCTTTGCAAACCCACTGTGCACTTTTGTCGGCAAAGGGCCTAGCGCCCCAAGCCGGTTCACAAACACTACTTTACGAG
AACGAACTGCGACCGTCGCGTCGCCTAAACTTTAACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGC
AGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTC
CGAGGAGCATGCCTGTTTGAGTGTCTTGAAGTCATCAACCTCCCCCGTTTCGTGCGTGGGGTCGGTTGGAACCTGGGGGCC
TGCGGCCGTGAGGTCGCTCCCCTAAAAAGCTTCGGTTGGGCCTGTGGGTCGGACTCGGTCGGGCGTTGTACCATCCTCGCC
CTCAAACTGAGAAGTTCCCCTTTGCGTGCCCTTCCACGGCCGCCTGTAGAGTTGGCGGCCAACACACCTTTGAAATCTGACC
TCAAATCAGGTAGA

Tricholomataceae sp. 1 (clone 957-3-8) quadrat S1
GATCATTATTGAAACAAGTTGGAGGGTTGTAGCTGGCTCCTTGGAGCATTGTGCACACCTTTCAAACTCTTTGCCTTCAATC
ACCTGTGCACACTCTGTAGACATTGGGTTTCCCCTGAAGGGGAAGAGGAATAATGAGGGTCTGCTGGCTTCTTCATTGGAG
TCGGCTTCCCTTTCATTCCCCCATGTCTATGTTTTTTTATATAAACCCTATGGAATGTCATTAGTATGTTATTAATGGGCTTAG
GCCTTTTAAAATGTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAAATTCTCAACTGCTCTTCACTTTTGTGAGGGGGGCAGCTTGGATTGTGGGGGTTGTAGGCTTCATGTTTG
AAGCCCACTCCTCTTAAATAGATCAGTGGGGCCTTTATGGGAACTGCTTTGGTGTGATAACTATCTACGCCATGGCTGTGAC
CATGAAATTGGGTCTTGCTTTCAAATAGTCCCATGGGACAACATCTGTATGATCAATTGACCTCAAATCATGTAGG

Tricholomataceae sp. 2 (clone 957-2-23) quadrat S1
GATCATTAACGAATTCGATCGAGGTTGTGCTGGTTCTCACAAGTGCACGCCTCCTTAATTCATTCACACCCATCGTGCACCTT
TAGAGATTTGGATCTTTTGTCGTCTCCCCCCGTTTACGTGCCCTTTTGGGCTATGGGGCTTCGCGGTCCGGTCTATTTCATAC
ACCCTATCAGTATTCAGAACGTCTTCTGCAGAAATGCAAATAACAATAATATAACTTTCAACAACGGATCTCTTGGTTCTCGC
ATCGATGAAGAACGCAGCGAAATGCGATAGGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTT
GTGCTCCTTGGTATTCCGAGGAGCATGCCTGTTCGAGTGTCATGAAACTCTCAAACCGCATCTTTGTTGATGTCGGGCTTGG
ACTTGGACGTTGCTGGGTTGACGCCCGGCTCGTCTCAAATGCATTAGCTGACTCTCCCGACTTCAGTTTTCGGCGTGATAAT
CACATCTACGTCGATGCCGCAAGGCGCTGGGATCGGGATGCAAAGCGGCTCATAATCGTCTTCTTATGGACAAATTTTCATC
ACATTTTGGCCTCGAATCAGGTAG

Zelleromyces sp. 1 (clone 957-1-3) quadrat S1

GATCATTATCGTAACAAAAATGTGATGGGCACACAAGGGCTGTCGCTGACTCGAAAGGTCGTGCACGCCCGGGTGTTGTCC
CCTCGCATAACAATCCATTTCACCCTCTGTGCATCACCGCGTGGGCTCCCTTCTCGGAGGGGGCTCACGTTTTCACACACAA
ACCCCCCCTTTTAAAAGTGTAGAATGACCTCATGTATGCGTTAACCCGCAATCAATACAACTTTCAACAACGGATCTCTTGGC
TCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACG
CACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAAAACCTCAACCTCCTTGGATTCTTCTGGAGA
CCAAAGCAGGCTTGGGCTTTGGAGGCCTTTGCTGGCACCTCTCTTTTTGAAGGCCAGCTCCTCTTAAACAAATTAGCAGGGT
CCTCTTTGCTGATCCTCGACGTGTGATAAGATGTTTCCATGTCTTGGTTTCTGGCTCTGTCACTTTTGGGACCTGCTTCTAACC
GTCTGGACCTTTGCGTTGAGACAACGTTCGAGCATGTGCCTCCCTTCTCGGGAAGCTCCCTCGACCCCACGACCCCTGACCC
AAGATC

Appendix 11 Matrix showing the presence or absence of each fungal OTU in each of the soil samples.

	Sample									
OTU	**N1**	**N7**	**N50**	**E1**	**E7**	**E50**	**S1**	**S7**	**S50**	**Total**
Agaricaceae sp. 1	1	0	0	0	0	0	0	0	0	1
Agaricaceae sp. 2	0	1	0	0	0	0	0	0	0	1
Agaricales sp. 6	0	0	0	1	0	0	0	0	0	1
Arcangeliella sp. 2	0	0	1	0	0	0	0	0	0	1
Ascomycote sp. 4	0	0	0	0	0	0	0	0	1	1
Ascomycete sp. 5	0	0	0	0	0	0	1	0	0	1
Ascomycete sp. 9	0	0	0	1	0	0	0	0	0	1
Ascomycete sp. 15	0	0	0	0	0	0	0	0	1	1
Ascomycete sp. 16	0	0	0	1	0	0	0	0	0	1
Ascomycete sp. 17	0	0	0	0	0	0	0	0	1	1
Ascomycete sp. 19	0	0	0	0	0	0	0	0	1	1
Basidiomycete sp. 9	0	0	0	0	0	0	0	0	1	1
Basidiomycete sp. 13	0	0	0	0	0	1	0	0	0	1
Basidiomycete sp. 15	0	1	0	0	0	0	0	0	0	1
Basidiomycete sp. 16	0	0	0	0	0	0	0	1	0	1
Basidiomycete sp. 17	0	1	0	0	0	0	0	0	0	1
Basidiomycete sp. 18	0	0	0	0	1	1	0	0	1	3
Basidiomycete sp. 19	0	0	0	0	1	0	0	0	0	1
Basidiomycete sp. 21	0	0	0	0	0	0	0	0	1	1
Basidiomycete sp. 23	0	1	0	0	0	0	0	0	0	1
Basidiomycete sp. 22	0	0	1	0	0	0	0	0	0	1
Basidiomycete sp. 25	1	0	0	0	0	0	0	0	1	2
Cantharellaceae sp. 1	0	0	0	1	0	0	0	0	0	1
Chytridiaceae sp. 1	1	0	0	0	0	0	0	0	1	2
Chytridiaceae sp. 2	1	0	0	0	0	0	0	0	0	1
Clavicipitaceae sp. 1	0	0	0	0	1	0	0	0	0	1
Clavariaceae sp. 1	0	0	0	0	0	1	0	0	1	2
Clavulina sp. 7	0	0	0	1	0	1	0	0	0	2
Cortinarius aff. *piriformis*	0	0	0	0	1	0	0	0	0	1
Cortinarius sp. 64	1	0	0	0	0	0	0	0	0	1
Cortinarius sp. 80	0	0	1	0	0	0	0	0	0	1
Cryptococcus sp. 1	0	0	0	0	1	0	0	1	0	2
Cryptococcus sp. 2	0	0	0	0	0	0	0	0	1	1

	Sample									
OTU	**N1**	**N7**	**N50**	**E1**	**E7**	**E50**	**S1**	**S7**	**S50**	**Total**
Cryptococcus sp. 3	0	0	0	0	0	1	1	1	1	4
Cryptococcus sp. 4	0	0	0	0	0	0	0	0	1	1
Cryptococcus sp. 5	0	0	0	0	0	0	1	1	0	2
Cryptococcus sp. 6	0	0	0	0	0	0	0	0	1	1
Cryptococcus sp. 7	0	0	0	0	0	0	0	1	0	1
Entoloma sp. 4	0	1	0	0	0	0	0	0	0	1
Entoloma sp. 5	0	1	0	0	0	0	0	0	0	1
Fungal sp. 8	0	1	0	0	0	0	0	0	0	1
Fungal sp. 9	0	0	0	0	1	0	0	0	0	1
Fungal sp. 10	1	0	0	0	0	0	0	0	0	1
Fungal sp.12	0	1	0	0	1	0	0	0	0	2
Fungal sp. 13	0	0	0	0	0	1	0	0	0	1
Fungal sp. 14	0	0	0	0	0	0	0	0	1	1
Fungal sp. 17	0	0	0	0	1	0	0	0	0	1
Fungal sp. 18	0	0	0	0	1	0	0	0	0	1
Fungal sp. 19	0	0	0	0	0	0	0	1	0	1
Fungal sp. 20	0	0	0	0	0	0	0	0	1	1
Fungal sp. 21	0	0	0	0	0	1	0	0	0	1
Fungal sp. 22	0	0	1	0	0	0	0	0	0	1
Fungal sp. 23	0	0	0	0	0	0	0	0	1	1
Fungal sp. 24	0	0	0	0	1	0	0	0	0	1
Fungal sp. 25	0	0	0	0	0	0	0	0	1	1
Fungal sp. 26	0	0	0	0	1	0	0	0	0	1
Fungal sp. 27	0	1	0	0	0	0	0	0	0	1
Fungal sp. 28	0	0	0	0	1	0	0	0	0	1
Helotiales sp. 11	0	0	0	0	0	0	0	0	1	1
Helotiales sp. 12	0	0	0	0	1	0	0	0	0	1
Helotiales sp. 13	0	1	0	0	0	0	0	0	0	1
Helotiales sp. 14	0	0	0	0	0	0	0	0	1	1
Helotiales sp. 17	0	0	0	0	1	0	0	0	0	1
Helotiales sp. 18	0	0	1	0	0	0	0	0	0	1
Inocybe sp. 3	0	0	0	0	0	0	0	0	1	1
Laccaria sp. 1	0	0	0	0	0	0	0	0	1	1
Laccaria sp. 5	0	0	0	0	0	1	0	0	0	1
Laccaria sp. 9	0	0	0	0	0	0	0	1	0	1
Leohumicola sp. 1	0	0	0	0	0	0	1	1	1	3
Metarhizium aff. *flavoviride*	0	0	0	0	0	0	0	0	1	1
Mortierella sp. 1	0	0	0	0	1	0	0	0	0	1
Mortierella sp. 2	0	1	0	0	1	0	0	0	0	2

	Sample									
OTU	**N1**	**N7**	**N50**	**E1**	**E7**	**E50**	**S1**	**S7**	**S50**	**Total**
Mortierella sp. 3	0	0	1	0	0	1	0	0	0	2
Mortierella sp. 4	1	0	0	1	1	0	0	0	1	4
Mortierella sp. 5	0	1	1	0	1	1	1	0	1	6
Mortierella sp. 6	0	0	0	1	0	0	0	1	1	3
Mortierella sp. 7	0	0	0	0	0	0	0	0	1	1
Mucoromycete sp. 2	0	0	0	0	0	0	0	0	1	1
Neonectria sp. 1	0	0	0	0	0	0	1	0	0	1
Neonectria sp. 2	0	0	0	0	1	0	0	0	0	1
Oidiodendron sp. 2	0	1	0	0	0	0	0	0	0	1
Onygenales sp. 1	0	0	0	0	0	0	0	0	1	1
Rhodocollybia sp. 1	0	0	0	1	0	0	0	0	0	1
Russula sp. 2	0	0	0	1	0	0	0	0	0	1
Russula sp. 4	0	0	1	1	0	0	0	0	0	2
Russula sp. 5	0	0	0	0	0	1	0	0	0	1
Russula sp. 9	0	0	0	1	0	0	0	0	1	2
Russula sp. 13	0	0	0	0	0	0	0	1	0	1
Russula sp. 14	0	0	0	0	0	0	0	1	0	1
Russulaceae sp. 7	0	0	0	1	0	0	0	0	0	1
Russulaceae sp. 8	0	0	0	1	0	0	0	0	0	1
Saccharomycetales sp. 1	1	0	0	0	0	0	0	0	0	1
Sebacina sp. 4	0	0	0	0	0	0	0	1	0	1
Sebacina sp. 5	0	0	0	0	1	0	0	0	0	1
Sebacina sp. 6	0	0	0	0	0	1	0	0	0	1
Setchelliogaster sp. 2	0	0	0	0	0	0	0	1	0	1
Trechispora sp. 1	0	0	0	0	0	0	1	0	0	1
Tricholomataceae sp. 1	0	0	0	0	0	0	1	0	0	1
Tricholomataceae sp. 2	0	0	0	0	0	0	1	0	0	1
Unknown sp. 1	1	0	0	0	0	0	0	0	0	1
Unknown sp. 2	0	0	0	0	0	1	0	0	0	1
Unknown sp. 3	0	0	0	0	0	1	0	0	0	1
Zelleromyces sp. 1	0	0	0	0	0	0	1	0	0	1
TOTAL	**9**	**13**	**8**	**13**	**20**	**14**	**10**	**13**	**31**	

Appendix 12 List of ectomycorrhizal fungal OTUs sampled as sporocarps and root tips from *E. delegatensis* forest. Public database sequence names are given as shown in the public database but OTUs were named according to the taxonomic convention described in the methods. Under the heading form, E indicates epigeous sporocarp and H indicates hypogeous sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not included in phylogenetic analyses.

Table A12.1 Ascomycota OTUs

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Elaphomycetales	Elaphomycetaceae	*Elaphomyces* sp. 1*	B	H	Ascomycota sp. AJ534695	562/595 (94%) of 635	JF960758
Helotiales	Helotiaceae	*Ascocoryne* sp. 1	S	E	*Ascocoryne sarcoides* GQ500107	537/539 of 554 (99%)	JF960613
Helotiales	Undet.	Helotiales sp. 1*	R	Undet.	*Neofabraea alba* AF141190	383/434 (88%) of 527	JF960774
Helotiales	Undet.	Helotiales sp. 2*	R	Undet.	Helotiales sp. DQ914730	379/396 (96%) of 396	JF960775
Helotiales	Undet.	Helotiales sp. 3	R	Undet.	Helotiales sp. AY354249	340/374 (91%) of 496	JF960776
Helotiales	Undet.	Helotiales sp. 4	R	Undet.	Helotiales sp. FM180478	438/443 (99%) of 668	JF960777

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Helotiales	Undet.	Helotiales sp. 5	R	Undet.	Fungal sp. AY699668	278/304 (91%) of 495	JF960778
Helotiales	Undet.	Helotiales sp. 7	R	Undet.	Epacris microphylla root associated fungus AY268208	321/339 (95%) of 611	JF960779
Helotiales	Undet.	Helotiales sp. 8	R	Undet.	ericoid root isolate (cf. *Hymenoscyphus ericae* aggregate) AJ430115	215/224 (96%) of 501	JF960780
Helotiales	Undet.	Helotiales sp. 9	R	Undet.	Fungal sp. AY699664	464/502 (92%) of 502	JF96781
Helotiales	Undet.	Helotiales sp. 10^	R	Undet.	Uncultured ectomycorrhiza (Helotiales) clone SWUBC618 DQ497943	502/531 (94%) of 528	JF96782
Helotiales	Undet.	Helotiales sp. 11^	R	Undet.	Uncultured ectomycorrhiza (Helotiales) clone SWUBC618 18S ribosomal DQ497943	508/536 (94%)of 533	JF96783
Pezizales	Undet.	Pezizales sp. 2*^	S	E	*Terfezia leptoderma* AF396862	164/170 (96%) of 615	JF960803
Pezizales	Undet.	Pezizales sp. 3^	R	Undet.	*Eremiomyces echinulatis* AF435829	214/222 (96%) of 665	JF960804
Undet.	Undet.	Ascomycete sp. 1*^	R	Undet.	Fungal sp. EU051624	188/198 (95%) of 497	JF960614
Undet.	Undet.	Ascomycete sp. 2*^	S	E	Leaf litter ascomycete AF502801	378/401 (94%) of 520	JF960615
Undet.	Undet.	Ascomycete sp. 3*^	R	Undet.	Salal mycorrhizal fungus AF149077	444/454 (98%) of 518	JF960616
Undet.	Undet.	Ascomycete sp. 6^	R	Undet.	Ascomycete sp. AY354274	157/162 (97%) of 650	JF960617
Undet.	Undet.	Ascomycete sp. 8^	R	Undet.	Ascomycota sp. AJ534695	191/201 (95%) of 738	JF960618
Undet.	Undet.	Ascomycete sp. 9*^	S	E	Root-associated fungal sp EU677763	228/240 of 504 (95%)	JF960619

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Undet.	Undet.	Ascomycete sp. 10^	R	Undet.	*Woollsia* root associated fungus AY230779	471/521 (90%) of 559	JF960620
Undet.	Undet.	Ascomycete sp. 20^	R	Undet.	*Epacris pulchella* root associated fungus AY627805	365/432 (84%) of 589	JF960621
Undet.	Undet.	Ascomycete sp. 21^	R	Undet.	Epacrid root endophyte sp. AY279189	422/440 (96%) of 595	JF960622
Undet.	Undet.	Ascomycete sp. 30	R	E	Uncultured Sordariales GQ268564	337/447 (75%) of 626	JF960623
Undet.	Undet.	Ascomycete sp. 31	S	H	Uncultured fungus FN298731	564/568 (99%) of 567	JF960624
Undet.	Undet.	*Cenococcum geophilum**	R	Undet.	*Cenococcum geophilum* AB089816	505/511 (99%) of 511	JF960624
Undet.	Undet.	*Oidiodendron* sp. 1^	R	Undet.	*Oidiodendron pilicola* AF062787	397/439 (90%) of 555	JF960801

Table A12.2 Basidiomycota OTUs

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Amanitaceae	*Amanita* sp. 1	S	E	*Amanita alboverrucosa* AY194973	180/203 (89%) of 478	JF960606
Agaricales	Amanitaceae	*Amanita* sp. 2	S	E	*Amanita conicoverrucosa* AY194972	171/173 (99%) of 659	JF960607

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Amanitaceae	*Amanita* sp. 3*	S	E	*Amanita punctata* AY194978	310/319 (97%) of 591	JF960608
Agaricales	Amanitaceae	*Amanita* sp. 4	S	E	*Amanita* sp. AY194966	603/610 (99%) of 630	JF960609
Agaricales	Amanitaceae	*Amanita* sp. 5	S	E	morphologcally identified		n/a
Agaricales	Bolbitiaceae	*Alnicola* sp. 1^	S	H	*Alnicola* sp. AY900087	476/509 (94%) of 666	JF960605
Agaricales	Bolbitiaceae	*Setchelliogaster* sp. 1^	S	H	*Setchelliogaster* sp. DQ328087	625/627 (100%) of 627	JF960829
Agaricales	Cortinariaceae	Cortinariaceae sp. 1	S	E	*Descomyces* sp. DQ328160	578/597 (97%) of 595	JF960651
Agaricales	Cortinariaceae	Cortinariaceae sp. 2	B	E	*Dermocybe olivaceopicta* DOU56050	628/650 (97%) of 647	JF960652
Agaricales	Cortinariaceae	Cortinariaceae sp. 3	R	undet.	*Inocybe tenebrosa* AM882899	245/258 (95%) of 667	JF960653
Agaricales	Cortinariaceae	Cortinariaceae sp. 5	S	E	*Dermocybe semisanguinea* DSU56064	530/615 (86%) of 620	JF960654
Agaricales	Cortinariaceae	Cortinariaceae sp. 6	S	E	*Dermocybe cardinalis* AF389162	435/500 (87%) of 651	JF960655
Agaricales	Cortinariaceae	Cortinariaceae sp. 7	S	E	*Dermocybe cardinalis* AF389162	528/563 (94%) of 586	JF960656
Agaricales	Cortinariaceae	Cortinariaceae sp. 8*	S	E	*Dermocybe olivaceopicta* DOU56049	608/659 (92%) of 666	JF960657
Agaricales	Cortinariaceae	Cortinariaceae sp. 10*	S	E	*Dermocybe austroveneta* AF112147	613/630 (97%) of 701	JF960658
Agaricales	Cortinariaceae	Cortinariaceae sp. 13^	S	E	*Dermocybe semisanguinea* DSU56067	591/656 (90%) of 663	JF960659
Agaricales	Cortinariaceae	Cortinariaceae sp. 14*	S	E	*Cortinarius palustris* var. *sphagneti* AY669581	148/165 (90%) of 497	JF960660
Agaricales	Cortinariaceae	Cortinariaceae sp. 16	S	E	*Dermocybe leptospermorum* GU233325	445/457 (98%) of 655	JF960661
Agaricales	Cortinariaceae	Cortinariaceae sp. 53	S	E	*Cortinarius collariatus* AY033114	620/660 (94%) of 671	JF960662

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Cortinariaceae	*Cortinarius* aff. *ardesiacus**	S	E	*Cortinarius ardesiacus* AY669650	624/625 (100%) of 654	JF960663
Agaricales	Cortinariaceae	*Cortinarius* aff. *australis**	S	E	*Cortinarius australis* AY669615	655/657 (100%) of 657	JF960664
Agaricales	Cortinariaceae	*Cortinarius* aff. *cannarius**	B	E	*Cortinarius cannarius* AY669630	647/647 (100%) of 647	JF960665
Agaricales	Cortinariaceae	*Cortinarius* aff. *fragilis*^	S	E	*Thaxterogaster fragile* AF325559	621/621 (100%) of 621	JF960666
Agaricales	Cortinariaceae	*Cortinarius* aff. *infractus**	S	E	*Cortinarius infractus* AY174782	637/653 (98%) of 660	JF960667
Agaricales	Cortinariaceae	*Cortinarius* aff. *persicanus**	S	E	*Cortinarius persicanus* AY669639	638/647 (99%) of 647	JF960668
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus**	B	E	*Cortinarius rotundisporus* AF136738	595/600 (99%) of 608	JF960669
Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum**	B	E	*Cortinarius sclerophyllarum* AY669637	656/657 (100%) of 657	JF960670 JF960705
Agaricales	Cortinariaceae	*Cortinarius* aff. *submagallanicus**	S	E	*Cortinarius submagellanicus* AY669614	647/647 (100%) of 647	JF960671
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus**	B	E	*Cortinarius tasmacamphoratus* AY669633	644/657 (98%) of 656	JF960672
Agaricales	Cortinariaceae	*Cortinarius* aff. *walkeri**	S	E	*Cortinarius walkeri* AY669632	642/645 (100%) of 664	JF960673
Agaricales	Cortinariaceae	*Cortinarius* sp. 1	S	E	*Thaxterogaster albocanus* AF325599	142/149 (95%) of 636	JF960674
Agaricales	Cortinariaceae	*Cortinarius* sp. 2^	R	Undet.	*Thaxterogaster* sp. DQ328073	594/618 (96%) of 618	JF960675
Agaricales	Cortinariaceae	*Cortinarius* sp. 3^	S	E	*Thaxterogaster* sp. DQ328078	598/620 (96%) of 613	JF960676
Agaricales	Cortinariaceae	*Cortinarius* sp. 4*	S	H	*Thaxterogaster* sp. DQ328117	654/655 (100%) of 662	JF960677
Agaricales	Cortinariaceae	*Cortinarius* sp. 5*	S	E	*Thaxterogaster albocanus* AF325599	602/656 (92%) of 651	JF960678

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Cortinariaceae	*Cortinarius* sp. 6	S	E	*Thaxterogaster* sp. DQ328118	171/187 of 619 (91%)	JF960679
Agaricales	Cortinariaceae	*Cortinarius* sp. 7	S	E	*Thaxterogaster* sp. DQ328149	423/452 (94%) of 662	JF960680
Agaricales	Cortinariaceae	*Cortinarius* sp. 8	S	H	*Thaxterogaster* sp. DQ328165	647/650 (100%) of 657	JF960681
Agaricales	Cortinariaceae	*Cortinarius* sp. 9	S	E	*Thaxterogaster* sp. DQ328205	592/627 (94%) of 624	JF960682
Agaricales	Cortinariaceae	*Cortinarius* sp. 10	S	E	*Thaxterogaster* sp. DQ328205	607/667 (91%) of 670	JF960683
Agaricales	Cortinariaceae	*Cortinarius* sp. 11	R	Undet.	*Thaxterogaster* sp. DQ328183	453/467 (97%) of 664	JF960684
Agaricales	Cortinariaceae	*Cortinarius* sp. 12*	B	E	*Thaxterogaster* sp. DQ328200	593/626 (95%) of 622	JF960685
Agaricales	Cortinariaceae	*Cortinarius* sp. 13*	S	E	*Thaxterogaster levisporus* DQ328111	612/661 (93%)of 661	JF960686
Agaricales	Cortinariaceae	*Cortinarius* sp. 14	S	E	*Thaxterogaster* sp. DQ328118	651/653 (100%) of 653	
Agaricales	Cortinariaceae	*Cortinarius* sp. 15	S	E	*Thaxterogaster* sp. DQ328118	584/634 (92%) of 659	JF960687 & JF960688
Agaricales	Cortinariaceae	*Cortinarius* sp. 16	S	E	*Cortinarius* sp. AF136739	644/650 (99%) of 660	JF960689
Agaricales	Cortinariaceae	*Cortinarius* sp. 17*	S	E	*Cortinarius tasmacamphoratus* AY669633	151/156 (97%) of 622	JF960690
Agaricales	Cortinariaceae	*Cortinarius* sp. 19	S	E	*Thaxterogaster levisporus* DQ328111	605/652 (93%)of 649	JF960691
Agaricales	Cortinariaceae	*Cortinarius* sp. 20	S	E	*Thaxterogaster* sp. DQ328118	613/668 (92%) of 664	JF960692
Agaricales	Cortinariaceae	*Cortinarius* sp. 21*	R	Undet.	*Cortinarius* sp. Ectomycorrhiza AF430288	587/620 (95%) of 627	JF960693
Agaricales	Cortinariaceae	*Cortinarius* sp. 22	S	E	*Cortinarius cystidiocatenatus* AY669651	633/657 (96%) of 657	JF960694
Agaricales	Cortinariaceae	*Cortinarius* sp. 24	S	E	*Cortinarius balteatocumatilis* AY174801	599/649 (92%) of 643	JF960695

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Cortinariaceae	*Cortinarius* sp. 25	S	E	*Cortinarius bovinus* AJ889943	332/346 (96%) of 574	JF960696
Agaricales	Cortinariaceae	*Cortinarius* sp. 26	S	E	*Cortinarius* cf. *caninus* FJ157144	587/630 (93%) of 626	JF960697
Agaricales	Cortinariaceae	*Cortinarius* sp. 27	R	undet.	*Thaxterogaster* sp. DQ328121	565/589 (96%) of 587	JF960698
Agaricales	Cortinariaceae	*Cortinarius* sp. 28	R	undet.	*Cortinarius teraturgus* AF389151	600/629 (95%) of 656	JF960699
Agaricales	Cortinariaceae	*Cortinarius* sp. 29	R	undet.	*Cortinarius magellanicus* AF389125	333/349 (95%) of 379	JF960700
Agaricales	Cortinariaceae	*Cortinarius* sp. 30	S	E	*Cortinarius paracephalixus* AY669516	613/662 (93%) of 661	JF960701
Agaricales	Cortinariaceae	*Cortinarius* sp. 31	S	E	*Cortinarius percomis* FJ039657	578/621 (93%) of 618	JF960702
Agaricales	Cortinariaceae	*Cortinarius* sp. 32	S	E	*Cortinarius phoeniceus* var. *occidentalis* DQ384593	631/657 (96%) of 648	JF960703
Agaricales	Cortinariaceae	*Cortinarius* sp. 33*	S	E	*Cortinarius teraturgus* AF389151	432/452 (96%) of 462	JF960704
Agaricales	Cortinariaceae	*Cortinarius* sp. 34	S	E	*Cortinarius rubrocastaneus* AF435831	633/657 (96%) of 661	JF960705
Agaricales	Cortinariaceae	*Cortinarius* sp. 36	S	E	*Cortinarius stephanopus* AY669603	401/422 (95%) of 469	JF960706
Agaricales	Cortinariaceae	*Cortinarius* sp. 37	S	E	*Cortinarius tenellus* AF539728	147/152 (97%) of 585	JF960707
Agaricales	Cortinariaceae	*Cortinarius* sp. 38	S	E	*Cortinarius fraudulosus* AY669551	591/625 (95%) of 624	JF960708
Agaricales	Cortinariaceae	*Cortinarius* sp. 39	S	E	*Cortinarius amoenus* AF389160	602/629 of 627 (96%)	JF960709
Agaricales	Cortinariaceae	*Cortinarius* sp. 40*	B	E	*Cortinarius* cf. *caninus* FJ157144	512/561 (91%) of 614	JF960710
Agaricales	Cortinariaceae	*Cortinarius* sp. 41*	B	E	*Cortinarius austrocyanites* AY669626	450/459 (98%) of 459	JF960711
Agaricales	Cortinariaceae	*Cortinarius* sp. 43	S	E	*Cortinarius austrocyanites* AY669626	415/444 (93%) of 451	JF960712

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Cortinariaceae	*Cortinarius* sp. 44	S	E	*Cortinarius austrolimonius* var. *ochrovelatus* AF539706 C	196/204 (96%) of 560	JF960713
Agaricales	Cortinariaceae	*Cortinarius* sp. 45	S	E	*Cortinarius barlowensis* EU669315	614/649 (95%) of 646	JF960714
Agaricales	Cortinariaceae	*Cortinarius* sp. 46*	B	E	*Cortinarius barlowensis* EU837213	615/649 (95%) of 641	JF960715
Agaricales	Cortinariaceae	*Cortinarius* sp. 48	S	E	*Cortinarius amoenus* AF389160	593/629 (94%) of 630	JF960716
Agaricales	Cortinariaceae	*Cortinarius* sp. 49	R	Undet.	*Cortinarius* cf. *caninus* FJ157144	110/120 (92%) of 631	JF960717
Agaricales	Cortinariaceae	*Cortinarius* sp. 50	S	E	*Dermocybe austronanceiensis* AF389161	391/415 (94%) of 663	JF960718
Agaricales	Cortinariaceae	*Cortinarius* sp. 51	S	E	*Cortinarius obtusus* AJ238035	343/408 (84%) of 617	JF960719
Agaricales	Cortinariaceae	*Cortinarius* sp. 52	S	E	*Cortinarius cannarius* AY669630	599/668 (90%) of 668	JF960720
Agaricales	Cortinariaceae	*Cortinarius* sp. 54	S	E	*Cortinarius walkeri* AY669632	363/381 (95%) of 625	JF960721
Agaricales	Cortinariaceae	*Cortinarius* sp. 55	S	E	*Cortinarius cinereobrunneus* AF325600	548/603 (91%) of 595	JF960722
Agaricales	Cortinariaceae	*Cortinarius* sp. 56*	B	E	*Cortinarius cystidiocatenatus* AY669651	595/615 of 608 (97%)	JF960723
Agaricales	Cortinariaceae	*Cortinarius* sp. 58*	B	E	*Cortinarius cystidiocatenatus* AY669651	525/554 (95%) of619	JF960724
Agaricales	Cortinariaceae	*Cortinarius* sp. 59	S	E	*Cortinarius walkeri* AY669632	471/499 of 629 (94%)	JF960725
Agaricales	Cortinariaceae	*Cortinarius* sp. 60	S	E	*Cortinarius cystidiocatenatus* AY669651	342/393 (87%) of 611	JF960726
Agaricales	Cortinariaceae	*Cortinarius* sp. 61	R	Undet.	*Cortinarius cystidiocatenatus* AY669651	145/148 (98%) of 622	JF960727
Agaricales	Cortinariaceae	*Cortinarius* sp. 62	S	E	*Cortinarius vibratilis* EU821694	409/433 (94%) of 679	JF960728

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Cortinariaceae	*Cortinarius* sp. 63*	B	E	*Cortinarius* cf. *caninus* FJ157144	604/630 (96%) of 631	JF960729
Agaricales	Cortinariaceae	*Cortinarius* sp. 64*	B	H	*Cortinarius dulciolens* AF325610	630/661 (95%) of 662	JF960730
Agaricales	Cortinariaceae	*Cortinarius* sp. 65	S	E	*Cortinarius gymnopiloides* AF389147	623/659 (95%) of 676	JF960731
Agaricales	Cortinariaceae	*Cortinarius* sp. 66	B	E	*Cortinarius lustrabilis* AY669586	639/661 (97%) of 660	JF960732
Agaricales	Cortinariaceae	*Cortinarius* sp. 67*	B	E	*Cortinarius montanus* var. *fuligineofolius* AF478578	606/639 (95%) of 636	JF960733
Agaricales	Cortinariaceae	*Cortinarius* sp. 68	B	E	*Cortinarius walkeri* AY669632	612/650 (94%) of 667	JF960734
Agaricales	Cortinariaceae	*Cortinarius* sp. 69	S	E	*Cortinarius teraturgus* AF389151	613/631 (97%) of 660	JF960735
Agaricales	Cortinariaceae	*Cortinarius* sp. 70*	B	E	*Cortinarius* sp. AF136739	614/629 (98%) of 628	JF960736
Agaricales	Cortinariaceae	*Cortinarius* sp. 71	R	undet.	*Cortinarius teraturgus* AF389151	432/452 (96%) of 456	JF960737
Agaricales	Cortinariaceae	*Cortinarius* sp. 72*	S	E	*Cortinarius camphoratus* FJ717505	612/644 of 642 (95%)	JF960738
Agaricales	Cortinariaceae	*Cortinarius* sp. 73	R	undet.	*Cortinarius* sp. Ectomycorrhiza AF430288	628/650 (97%) of 651	JF960739
Agaricales	Cortinariaceae	*Cortinarius* sp. 74*	B	E	*Cortinarius* sp. Ectomycorrhiza AF430288	620/650 (95%) of 649	JF960740
Agaricales	Cortinariaceae	*Cortinarius* sp. 78*^	S	E	morphologcally identified		n/a
Agaricales	Cortinariaceae	*Dermocybe* aff. *globuliformis**	S	H	*Cortinarius globuliformis* AF325582	638/647 (99%) of 653	JF960752
Agaricales	Cortinariaceae	*Dermocybe kula**	S	E	*Cortinarius kula* AY669643	659/664 (99%) of 665	JF960753
Agaricales	Cortinariaceae	*Dermocybe* sp. 1*	B	E	*Cortinarius globuliformis* AY669602	610/660 (92%) of 655	JF960742
Agaricales	Cortinariaceae	*Dermocybe* sp. 2	S	E	*Cortinarius kula* AY669643	585/629 (93%) of 622	JF960743

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Cortinariaceae	*Dermocybe* sp. 3	S	E	*Cortinarius globuliformis* AY669602	582/628 (93%) of 625	JF960744
Agaricales	Cortinariaceae	*Dermocybe* sp. 4	S	E	*Cortinarius globuliformis* AY669602	638/647 (99%) of 653	JF960745
Agaricales	Cortinariaceae	*Dermocbye* sp. 5*	S	E	*Dermocybe splendida* AF325583	592/633 (94%) of 628	JF960746
Agaricales	Cortinariaceae	*Dermocybe* sp. 6	S	E	*Cortinarius teraturgus* AF389151	560/611 (92%) of 606	JF960747
Agaricales	Cortinariaceae	*Dermocybe* sp. 7	S	E	*Cortinarius amoenus* AF389160	627/664 (94%) of 670	JF960748
Agaricales	Cortinariaceae	*Dermocybe* sp. 8	R	Undet.	*Cortinarius walkeri* AY669632	373/388 (96%) of 638	JF960749
Agaricales	Cortinariaceae	*Dermocybe* sp. 9	S	E	*Cortinarius walkeri* AY669632	613/651 (94%) of 666	JF960750
Agaricales	Cortinariaceae	*Dermocybe* sp. 10	S	E	*Cortinarius sejuctus* AY669636	544/567 (96%) of 590	JF960751
Agaricales	Cortinariaceae	*Descolea recedens**	B	E	*Descolea recedens* AF325649	643/655 (98%) of 657	JF960754
Agaricales	Cortinariaceae	*Descomyces* aff. *albus**	B	H	*Descomyces* sp. DQ328176	643/643 (100%) of 643	JF960755
Agaricales	Entolomataceae	*Entoloma* sp. 1^	S	E	*Entoloma nitidum* AF335449	596/621 (96%) of 617	JF960759
Agaricales	Entolomataceae	*Entoloma* sp. 2^	S	E	*Entoloma cetratum* EU784213	506/546(93%) of 609	JF960760
Agaricales	Entolomataceae	*Entoloma* sp. 3^	S	E	*Entoloma byssisedum* EU784209	279/308 (91%) of 842	JF960761
Agaricales	Entolomataceae	Entolomataceae sp. 1	S	E	*Entoloma cuspidiferum* EU784218	561/623 (90%) of 662	JF960762
Agaricales	Entolomataceae	Entolomataceae sp. 2	B	E	Uncultured ectomycorrhiza (*Entoloma*) FJ188349	565/635 (89%) of 676	JF960763
Agaricales	Entolomataceae	Entolomataceae sp. 3	R	Undet.	Uncultured ectomycorrhiza (*Entoloma*) FJ188349	613/629 (97%) of 580	JF960764
Agaricales	Entolomataceae	Entolomataceae sp. 4	R	Undet.	Uncultured ectomycorrhiza (*Entoloma*) FJ188349	490/631 (78%) of 626	JF960765
Agaricales	Hydnangiaceae	*Laccaria* sp. 1*	B	E	*Laccaria laccata* AJ699075	565/595 (95%) of 622	JF960793
Agaricales	Hydnangiaceae	*Laccaria* sp. 2	R	Undet.	*Laccaria laccata* AF204814	629/662 (95%) of 651	JF960794

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Hydnangiaceae	*Laccaria* sp. 3	B	E	*Laccaria laccata* var. *pallidifolia* EU819478	621/659 (94%) of 646	JF960795
Agaricales	Hydnangiaceae	*Laccaria* sp. 4*	R	Undet.	*Laccaria laccata* AJ699075	589/606 (97%) of 630	JF960796
Agaricales	Hydnangiaceae	*Laccaria* sp. 5*	B	E	*Laccaria laccata* AJ699075	598/605 (99%) of 626	JF960797
Agaricales	Inocybaceae	Inocybaceae sp. 1	S	E	*Inocybe rennyi* AM882716	158/160 (99%) of 538	JF960788
Agaricales	Inocybaceae	*Inocybe* sp. 1*	R	undet.	*Inocybe tenebrosa* AM882899	245/258 (95%) of 669	JF960789
Agaricales	Inocybaceae	*Inocybe* sp. 2	R	Undet.	*Inocybe sororia* EU525990	304/325 (94%) of 626	JF960790
Agaricales	Inocybaceae	*Inocybe* sp. 5	S	E	*Inocybe hystrix* AM882812	342/376 (91%) of 699	JF960791
Agaricales	Inocybaceae	*Inocybe* sp. 6	S	E	*Inocybe subnudipes* AM882809	287/307 (93%) of 611	JF960792
Agaricales	Inocybaceae	*Tubaria* aff. *serrulata*	S	E	*Tubaria serrulata* DQ182507	599/605 (99%) of 602	JF960851
Agaricales	Lycoperdaceae	*Lycoperdon* sp. 1^	S	E	*Lycoperdon perlatum* AJ237627	638/668 (96%) of 658	JF960799
Agaricales	Tricholomataceae	*Tricholoma* sp. 1	S	E	*Tricholoma populinum* AJ272072	63/68 (93%) of 639	JF960842
Agaricales	Tricholomataceae	*Tricholoma* sp. 2	S	E	*Tricholoma saponaceum* AF377195	434/448 (97%) of 623	JF960843
Agaricales	Tricholomataceae	*Tricholoma* sp. 3	S	E	*Tricholoma unifactum* AF241514	465/508 (92%) of 634	JF960844
Agaricales	Tricholomataceae	*Tricholoma* sp. 5*	S	E	*Tricholoma saponaceum* var. *saponaceum* DQ370440	614/631 (97%) of 633	JF960845
Agaricales	Tricholomataceae	*Tricholoma* sp. 6	S	E	*Tricholoma albo-brunneum* AF241520	624/670 (93%) of 669	JF960846
Agaricales	Tricholomataceae	*Tricholoma* sp. 7*	R	E	*Tricholoma acerbum* AF377247	168/170 (99%) of 571	JF960847
Agaricales	Tricholomataceae	*Tricholoma* sp. 8	S	E	*Tricholoma* sp. AF377180	164/164 of (100%) 590	JF960848
Agaricales	Tricholomataceae	*Tricholoma* sp. 9	R	E	Tricholomataceae sp. EU819536	195/213 (92%) of 627	JF960849
Agaricales	Tricholomataceae	*Tricholoma* sp. 10	S	E	*Tricholoma ustale* AF458435	643/685 (94%) of 681	JF960850

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Agaricales	Undet.	Agaricales sp. 1^	S	E	Ectomycorrhizal fungal sp. EU444549	212/218 (97%) of 668	JF960600
Agaricales	Undet.	Agaricales sp. 2*^	S	E	*Rhodocybe truncata* EF421110	257/274 (94%) of 707	JF960601
Agaricales	Undet.	Agaricales sp. 3*^	R	Undet.	*Epacris pulchella* root associated fungus AY627835	582/591 (98%) of 614	JF960602
Agaricales	Undet.	Agaricales sp. 4^	S	E	*Epacris pulchella* root associated fungus AY627835	500/505 (99%) of 504	JF960603
Agaricales	Undet.	Agaricales sp. 5^	R	Undet.	*Epacris pulchella* root associate AY627835	607/661 (92%) of 664	JF960604
Boletales	Boletaceae	Boletaceae sp. 2*	S	E	*Boletus pallidus* DQ534564	177/177 (100%) of 458	JF960634
Boletales	Boletaceae	Boletaceae sp. 3*	S	E	*Boletus spadiceus* DQ066410	242/257 (94%) of 499	JF960635
Boletales	Boletaceae	Boletaceae sp. 4^	S	E	morphologcally identified		n/a
Boletales	Boletaceae	Boletaceae sp. 5	S	H	*Leccinum carpini* AF454588	169/172 (98%) of 593	JF960636
Boletales	Boletaceae	Boletaceae sp. 6*	B	H	*Leccinum carpini* AF454588	259/283 (92%) of 864	JF960637
Cantharellales	Undet.	Cantharellales sp. 1	R	Undet.	Uncultured Agaricomycetes clone HQ212022	579/650 (90%) of 627	JF960638
Cantharellales	Clavariaceae	Clavariaceae sp. 1	S	E	Uncultured Basidiomycota GU328628	51/543 (83%) of 493	JF960640
Cantharellales	Clavariaceae	Clavariaceae sp. 2	S	E	*Clavulinopsis helvola* EU118617	176/177 (99%) of 347	JF960641
Cantharellales	Clavariaceae	Clavariaceae sp. 3^	S	E	*Clavulinopsis helvola* EU118617	175/176 (99%) of 583	JF960642
Cantharellales	Clavariaceae	Clavariaceae sp. 4	S	E	*Clavulinopsis helvola* EU118617	177/178 (99%) of 545	JF960643
Cantharellales	Clavariaceae	Clavariaceae sp. 5	S	E	*Clavulinopsis helvola* EU118617	288/311 (93%) of 561	JF960644

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Cantharellales	Clavulinaceae	*Clavulina* sp. 1*	S	E	*Clavulina* cf. *cristata* DQ974710	583/629 (93%) of 637	JF960645
Cantharellales	Clavulinaceae	*Clavulina* sp. 3*	S	E	*Clavulina* cf. *cristata* DQ974710	590/625 (94%) of 659	JF960646
Cantharellales	Clavulinaceae	*Clavulina* sp. 4	S	E	*Clavulina* sp. AY751563	592/642 (92%) of 669	JF960647
Cantharellales	Clavulinaceae	*Clavulina* sp. 5*	S	E	*Clavulina* cf. *cristata* DQ974710	569/623 of 639 (91%)	JF960648
Cantharellales	Clavulinaceae	*Clavulina* sp. 6	S	E	*Clavulina* cf. *cristata* DQ974710	574/627 (92%) of 664	JF960649
Cantharellales	Clavulinaceae	*Clavulina* sp. 7	S	E	*Clavulina* cf. *cristata* DQ974710	591/628 (94%) of 635	JF960650
Cantharellales	Hydnaceae	*Hydnum* sp. 1^	S	E	*Hydnum repandum* DQ367902	316/338 (93%) of 660	JF960784
Cantharellales	Hydnaceae	*Hydnum umbilicatum*^	S	E	*Hydnum umbilicatum* AJ534973	284/308 (92%) of 613	JF960785
Corticiales	Corticiaceae	*Peniophorella* sp. 1^	S	E	*Peniophorella* sp. DQ647480	591/593 (100%) of 658	JF960802
Gomphales	Gomphaceae	*Ramaria* sp. 1	R	Undet.	*Ramaria largentii* EU652343	169/174 (97%) of 497	JF960805
Hysterangiales	Undet.	Hysterangiales sp. 1	S	H	*Gallacea eburne* HQ533040	358/427 (81%) of 669	JF960786
Hysterangiales	Undet.	Hysterangiales sp. 2	S	H	*Gallacea eburne* HQ533040	313/374 (84%) of 669	JF960787
Russulales	Amylostereaceae	*Artomyces* sp. 1*^	S	E	*Artomyces austropiperatus* AF454408	604/622 (97%) of 625	JF960611
Russulales	Amylostereaceae	*Artomyces* sp. 2^	S	E	*Artomyces candelabrus* AF454419	607/617 (98%) of 652	JF960612
Russulales	Russulaceae	*Arcangeliella* sp. 1*	S	H	*Arcangeliella camphorata* EU644702	568/602 (94%) of 602	JF960610
Russulales	Russulaceae	*Lactarius* sp. 1*	B	E	*Lactarius eucalypti* EU019923	562/564 (100%) of 662	JF960798
Russulales	Russulaceae	*Russula persanguinea**	B	E	*Russula persanguinea* EU019916	526/531 (99%) of 592	JF960806
Russulales	Russulaceae	*Russula* sp. 1	S	E	*Russula lepida* AF418641	555/586 (95%) of 674	JF960807
Russulales	Russulaceae	*Russula* sp. 2*	R	Undet.	*Russula neerimea* EU019915	519/549 (95%) of 593	JF960808
Russulales	Russulaceae	*Russula* sp. 3*	R	E	*Russula tapawera* EU019935	522/558 (94%) of 610	JF960809

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Russulales	Russulaceae	*Russula* sp. 5*	B	E	*Russula* sp. EU019920	530/542 (98%) of 643	JF960810
Russulales	Russulaceae	*Russula* sp. 6	R	Undet.	*Russula* sp. EU569264	217/224 (97%) of 627	JF960811
Russulales	Russulaceae	*Russula* sp. 7	R	Undet.	*Russula neerimea* EU019915	519/555 (94%) of 621	JF960812
Russulales	Russulaceae	Russula sp. 9*	B	H	*Russula vesca* AF418610	558/563 (99%) of 563	JF960813
Russulales	Russulaceae	*Russula* sp. 15*	S	E	*Russula purpureoflava* EU019917	541/547 (99%) of 647	JF960814
Russulales	Russulaceae	*Russula* sp. 16*	B	E	*Russula clelandii* DQ328136	591/631 (94%) of 642	JF960815
Russulales	Russulaceae	*Russula* sp. 17	B	E	*Russula tapawera* EU019935	420/431 (97%) of 653	JF960816
Russulales	Russulaceae	*Russula* sp. 19	S	E	*Russula purpureoflava* EU019917	510/537 (95%) of 703	JF960817
Russulales	Russulaceae	Russulaceae sp. 1*	B	H	*Russula sinuata* EU019943	521/533 (98%) of 664	JF960818
Russulales	Russulaceae	Russulaceae sp. 2*	S	H	*Cystangium sessile* EU019948	322/342 (94%) of 612	JF960819
Russulales	Russulaceae	Russulaceae sp. 3	S	H	*Cystangium sessile* EU019948	517/548 (94%) of 612	JF960820
Russulales	Russulaceae	Russulaceae sp. 4	B	H	*Cystangium seminudum* EU019947	529/548 (97%) of 637	JF960821
Russulales	Russulaceae	Russulaceae sp. 8	S	H	*Russula* aff. *pilosella* EU019932	514/541 (95%) of 619	JF960822
Russulales	Russulaceae	Russulaceae sp. 10	S	H	*Russula violeipes* AY061726	567/601 (94%) of 598	JF960823
Russulales	Russulaceae	Russulaceae sp. 11	S	H	*Gymnomyces fallax* AY239349	515/535 (96%) of 580	JF960824
Russulales	Russulaceae	Russulaceae sp. 12*	S	H	*Russula tapawera* EU019935	416/431 (97%) of 593	JF960825
Russulales	Russulaceae	*Zelleromyces* sp. 1*	B	H	*Lactarius* sp. AY456344	662/681 (97%) of 698	JF960852
Russulales	Russulaceae	*Zelleromyces* sp. 2*	S	H	*Lactarius* sp. EF141552	527/577 (91%) of 665	JF960853
Russulales	Russulaceae	*Zelleromyces* sp. 3*	B	H	*Lactarius imperceptus* EU819485	541/577 (94%) of 668	JF960854
Sebacinales	Sebacinaceae	Sebacinaceae sp. 1	R	Undet.	Sebacinaceae sp. EF372401	553/595 (93%) of 596	JF960766
Sebacinales	Sebacinaceae	*Sebacina* sp. 1*	R	Undet.	*Sebacina* sp. AF465191	549/602 (91%) of 590	JF960826

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Sebacinales	Sebacinaceae	*Sebacina* sp. 2*	R	Undet.	*Sebacina* sp. AF465191	538/591 (91%) of 580	JF960827
Sebacinales	Sebacinaceae	*Sebacina* sp. 3	R	Undet.	*Sebacina helvelloides* AJ966750	287/314 (91%) of 554	JF960828
Thelephorales	Thelephoraceae	Thelephoraceae sp. 1	R	Undet.	*Tomentella* sp. TSU83482	384/403 (95%) of 621	JF960830
Thelephorales	Thelephoraceae	Thelephoraceae sp. 2	R	Undet.	*Tomentellopsis zygodesmoides* AJ410761	531/579 (92%) of 641	JF960831
Thelephorales	Thelephoraceae	Thelephoraceae sp. 4	R	Undet.	Ectomycorrhizal root tip AF476987	476/523 (91%) of 608	JF960832
Thelephorales	Thelephoraceae	Thelephoraceae sp. 5*	R	Undet.	Ectomycorrhizal root tip AF476987	576/610 (94%) of 636	JF960833
Thelephorales	Thelephoraceae	Thelephoraceae sp. 6*	R	Undet.	*Tomentella lapidum* AF272941	391/413 (95%) of 579	JF960834
Thelephorales	Thelephoraceae	Thelephoraceae sp. 7*	R	Undet.	*Tomentella* sp. TSU83482	452/475 (95%) of 640	JF960835
Thelephorales	Thelephoraceae	Thelephoraceae sp. 8*	R	Undet.	*Tomentella lapidum* AF272941	541/587 (92%) of 632	JF960836
Thelephorales	Thelephoraceae	Thelephoraceae sp. 9	R	Undet.	*Tomentella* sp. TSU92537	573/638 (90%) of 631	JF960837
Thelephorales	Thelephoraceae	Thelephoraceae sp. 10	R	Undet.	*Tomentella* sp. TSU92537	573/638 (90%) of 631	JF960838
Thelephorales	Thelephoraceae	Thelephoraceae sp. 11	R	Undet.	*Tomentella* sp. AJ534914	480/506 (95%) of 596	JF960839
Thelephorales	Thelephoraceae	Thelephoraceae sp. 12	R	Undet.	*Tomentella* sp. AJ534914	601/633 (95%) of 633	JF960840
Thelephorales	Thelephoraceae	Thelephoraceae sp. 13	R	Undet.	*Tomentella* sp. AJ534914	599/635 (94%) of 636	JF960841
Undet.	Undet.	Basidiomycete sp. 1^	S	H	*Amphinema* sp. AJ534707	175/176 (99%) of 640	JF960625
Undet.	Undet.	Basidiomycete sp. 2^	R	Undet.	*Bourdotia* sp. DQ200925	159/165 (96%) of 504	JF960626
Undet.	Undet.	Basidiomycete sp. 3^	R	Undet.	*Exidia thuretiana* AF291278	221/241 (92%) of 534	JF960627
Undet.	Undet.	Basidiomycete sp. 5*^	R	Undet.	*Mycolevis siccigleba* AY963567	166/168 (99%) of 529	JF960628
Undet.	Undet.	Basidiomycete sp. 6^	S	H	Fungal sp. HQ392609	441/620 (72%) of 618	JF960629
Undet.	Undet.	Basidiomycete sp. 7^	R	Undet.	Vouchered mycorrhizae (Basidiomycota) AM109903	119/128 (93%) of 627	JF960630

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Undet.	Undet.	Basidiomycete sp. 8*^	R	Undet.	Unidentified basidiomycota sp. AF241326	413/434 (95%) of 614	JF960631
Undet.	Undet.	Basidiomycete sp. 10^	R	Undet.	Vouchered mycorrhizae (Basidiomycota) AM109903	346/359 (96%) of 574	JF960632
Undet.	Undet.	Basidiomycete sp. 11^	R	Undet.	Vouchered mycorrhizae (Basidiomycota) AM109903	139/147 (95%) of 632	JF960633
Undet.	Undet.	Basidiomycete sp. 12^	R	Undet.	Vouchered mycorrhizae (Basidiomycota) AM109903	288/300 (96%) of 630	JF960634
Undet.	Undet.	Basidiomycete sp. 14^	R	Undet.	Vouchered mycorrhizae (Basidiomycota) AM109903	288/302 (95%) of 649	JF960635

A12.3 Mucoromycotina

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Undet.	Undet.	Mucoromycete sp. 1^	R	Undet.	Fungal sp. AY699684	459/469 (98%) of 469	JF960800

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

A12.4 Undetermined Phyla

Order	Family	OTU	Sample	Form	GenBank/EMBL/DDBJ best match	Percent similarity (best)	GenBank Accession
Undet.	Undet.	Ectomycorrhizal sp. 1^	R	Undet.	*Epacris pulchella* root associated fungus AY627817	338/357 (95%) of 357	JF960756
Undet.	Undet.	Ectomycorrhizal sp. 2^	R	Undet.	*Epacris pulchella* root associated fungus AY627805	459/491 (93%) of 499	JF960757
Undet.	Undet.	Fungal sp. 1^	R	Undet.	Fungal sp. AY699684	512/522 (98%) of 540	JF960767
Undet.	Undet.	Fungal sp. 2^	R	Undet.	Fungal sp. EU051624	200/216 (93%) of 655	JF960768
Undet.	Undet.	Fungal sp. 3*^	B	E	Fungal sp. AY699684	213/221 (96%) of 543	JF960769
Undet.	Undet.	Fungal sp. 4^	R	Undet.	Fungal sp. AY699667	447/458 (98%) of 491	JF960770
Undet.	Undet.	Fungal sp. 5^	R	Undet.	Fungal sp. AM231379	394/441 (89%) of 530	JF960771
Undet.	Undet.	Fungal sp. 6^	R	Undet.	Fungal endophyte sp. EU685988	246/265 (93%) of 636	JF960772
Undet.	Undet.	Fungal sp. 7^	R	Undet.	Fungal endophyte sp. EU686062	470/505 (93%) of 624	JF960773

E indicates epigeous sporocarp and Sq indicates sequestrate sporocarp. Under the heading sample R indicates sampled as root tip, S indicates sampled as sporocarp and B indicates sampled as both root tip and sporocarp. Undet. = undetermined. * indicates that the OTU was sampled in multiple plots and was used for statistical analyses in Chapter 5. ^ indicates that the OTU was not used in phylogenetic analyses.

Appendix 13 Bray-Curtis similarity matrix showing similarity in soil fungal community composition of *E. delegatensis* forest sites used in Chapter 3.

	N1	N7	N50	E1	E7	E50	S1	S7	S50
N1									
N7	0								
N50	0	9.52							
E1	8.7	0	9.524						
E7	6.7	18.2	7.143	6.06					
E50	0	6.67	16	6.67	10.8				
S1	0	8.7	11.11	0	6.67	14.8			
S7	0	0	0	7.69	6.06	6.67	26		
S50	15	4.55	5.128	13.6	11.8	16.7	15	14	

Appendix 14 Eucalypt crown condition scores.

Scores for individual trees are shown along with mean score for each plot ± SE, measured by the proportion of primary crown dieback (coded PCD see Chapter 2).

Region	Understorey type	Plot	Tree tag	DBH	Crown condition (PCD)
north-east	rainforest	1	A138	44.56	0.95
			A139	99.63	0.00
			A47	134.01	0.00
			A48	186.21	0.00
			A49	99.31	0.05
			A50	81.49	0.00
			A51	179.85	0.10
			A86	38.83	0.95
			A87	30.88	0.75
			A88	39.15	0.80
		Mean ± SE n=10			**0.36 ± 0.14**
north-east	rainforest	2	A129	32.79	0.90
			A132	33.42	0.80
			A134	44.25	0.60
			A135	84.03	0.30
			A136	147.38	0.40
			A42	152.79	0.30
			A43	122.87	0.05
			A44	123.19	0.25
			A45	160.75	0.90
			A46	149.29	0.70
		Mean ± SE n=10			**0.52 ± 0.09**
north-east	rainforest	3	A13	80.21	0.00
			A14	137.51	0.25
			A56	122.23	0.20
			A57	59.84	0.00
			A58	81.49	0.00
			A83	102.50	0.05
		Mean ± SE n=6			**0.08 ± 0.05**
north-east	rainforest	4	A128	93.58	0.50
			A137	123.50	0.20
			A15	105.04	0.50
			A16	190.99	0.15
			A52	131.78	0.10
			A53	154.38	0.20
			A55	110.13	0.50
			A61	132.10	0.10
			A81	149.29	0.30
		Mean ± SE n=9			**0.28 ± 0.06**

Appendix 14

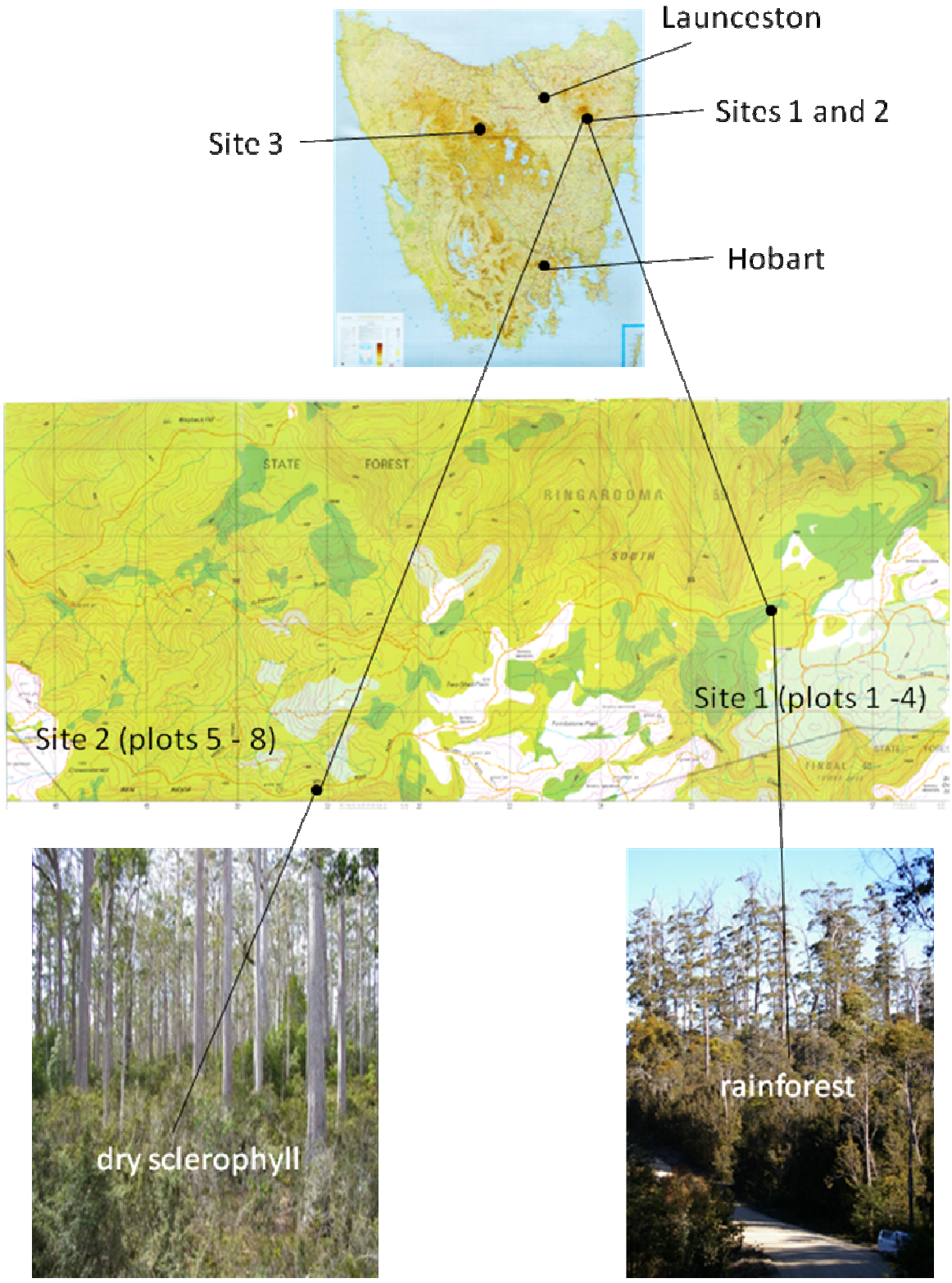
Region	Understorey type	Plot	Tree tag	DBH	Crown condition (PCD)
north-east	sclerophyll	**5**	A107	48.06	0.60
			A108	67.16	0.80
			A112	134.65	0.75
			A115	65.57	0.35
			A117	130.83	0.05
			A25	122.55	0.75
			A26	155.33	0.25
			A27	95.81	0.05
			A28	81.17	0.40
			A29	113.64	0.75
		Mean ± SE			
		n=10			**0.48 ± 0.09**
north-east	sclerophyll	6	A10	78.94	0.70
			A110	68.75	0.95
			A113	113.32	0.40
			A114	98.68	0.80
			A116	113.95	0.30
			A119	57.93	0.95
			A30	176.98	0.05
			A31	117.14	0.25
			A32	122.55	0.40
			A33	143.88	0.35
		Mean ± SE			
		n=10			**0.52 ± 0.10**
north-east	sclerophyll	7	A118	125.73	0.10
			A123	40.11	0.95
			A124	62.71	0.95
			A126	61.43	0.70
			A24	137.19	0.70
			A38	119.37	0.10
			A39	123.82	0.55
			A40	140.37	0.30
			A41	127.01	0.70
			A91	50.29	0.95
		Mean ± SE			
		n=10			**0.60 ± 0.10**
north-east	sclerophyll	8	A122	60.16	0.90
			A125	41.06	0.90
			A127	66.85	0.80
			A131	59.21	0.90
			A21	110.45	0.80
			A22	54.75	0.80
			A34	74.48	0.95
			A35	97.40	0.80
			A36	73.21	0.40
			A37	79.58	0.50
		Mean ± SE			
		n=10			**0.78 ± 0.06**

Region	Understorey type	Plot	Tree tag	DBH	Crown condition (PCD)
north-west	rainforest	9	A1	59.21	0.95
			A147	64.62	0.60
			A148	54.11	0.90
			A151	89.76	0.95
			A152	50.93	0.50
			A63	156.93	0.90
			A64	143.88	0.80
			A65	88.17	0.85
			A66	86.90	1.00
			A67	203.72	0.50
		Mean ± SE			
		n=10			**0.80 ± 0.06**
north-west	rainforest	10	A03	205.95	0.10
			A04	253.06	0.20
			A59	276.93	0.05
			A60	138.46	0.85
			A62	191.62	0.10
		Mean ± SE			
		n=5			**0.26 ± 0.15**
north-west	sclerophyll	11	A07	94.54	0.90
			A140	73.21	0.70
			A141	51.57	0.85
			A142	55.39	0.75
			A157	51.57	0.90
			A158	56.02	0.90
			A71	93.90	0.20
			A72	104.72	0.80
			A73	52.52	0.60
			A75	60.48	1.00
		Mean ± SE			
		n=10			**0.76 ± 0.07**
north-west	sclerophyll	12	A05	206.26	0.10
			A08	120.32	0.80
			A144	81.81	0.70
			A146	67.48	0.90
			A153	73.21	0.85
			A154	75.76	0.95
			A155	40.11	0.75
			A68	89.76	0.90
			A69	127.96	0.20
			A70	179.21	0.40
		Mean ± SE			
		n=10			**0.66 ± 0.10**

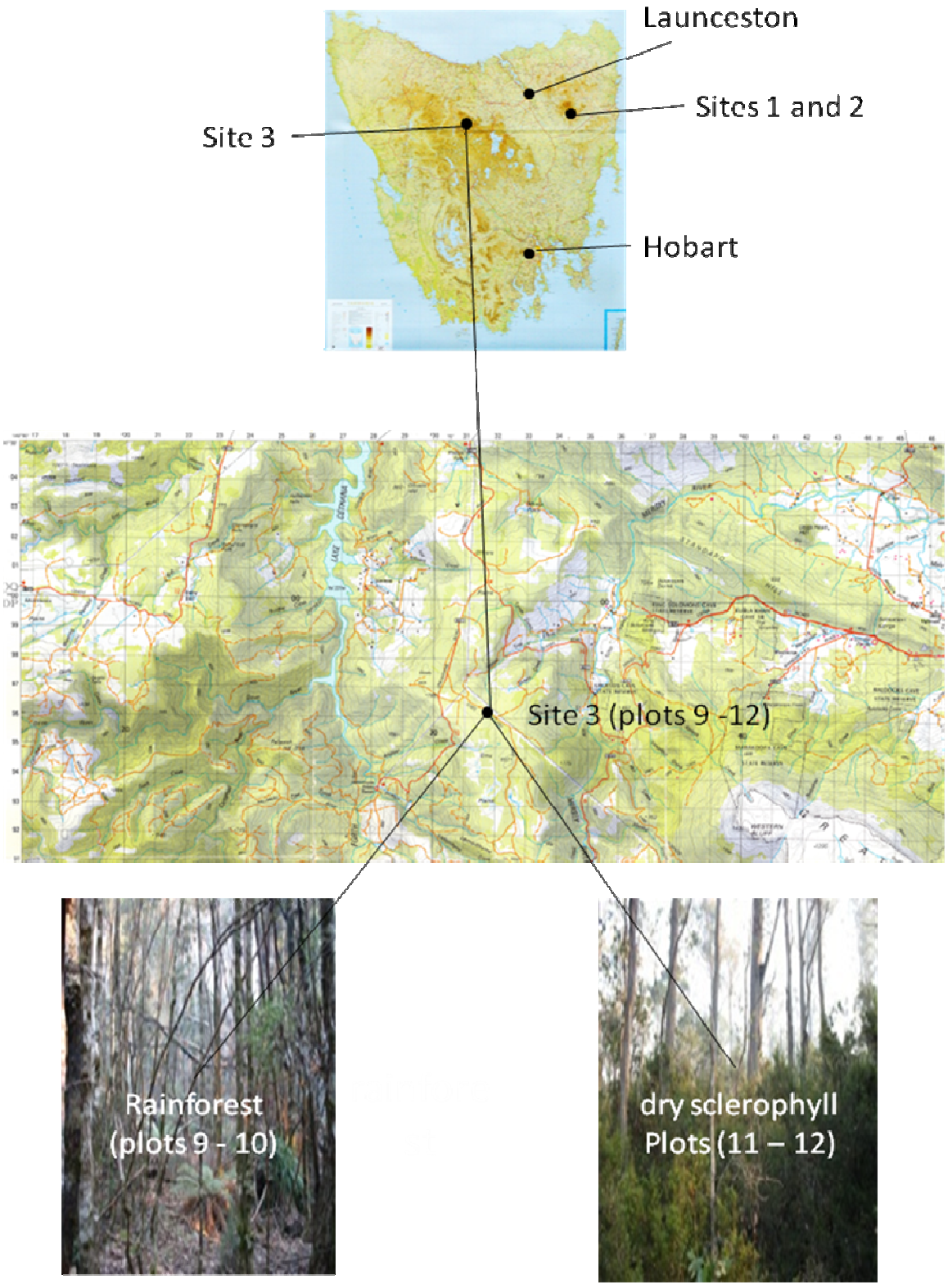
Appendix 15 Locations of the three main study sites used in Chapters 2, 4 and 5.

The map of Tasmania indicates Sites 1 and 2, Site 3 and the two major cities, Hobart and Launceston. A3.1 shows the topographic map (Mersey 1:100 000) of Sites 1 and 2, and photographs of the forest type. A3.2 shows the topographic map (Maurice 1:25 000) of Site 3, and photographs of the forest type.

A15.1 Location of sites 1 and 2



A15.2 Location of site 3



Appendix 16 Protocol for DNA extraction from ectomycorrhizal root tips and fungal sporocarps.

1. Fresh or frozen material (approx. 100 mg) was ground in a 1.5 mL tube with a motorized pestle and a small amount of extraction buffer was added when necessary.
2. 200 – 250 µL extraction buffer (Raeder and Broda 1985 see Appendix 8) was added and the sample was incubated at 65 ^{o}C for 1 hour (30-90 minutes).
3. Tubes were centrifuged at 16 100 g for 15 minutes.
4. Supernatant, up to 200 µl, was added to a 1.5 ml microcentrifuge tube containing 7 µL of glass milk (see Appendix 8 for recipe) and 800 µL of NaI (see Appendix 8 for recipe) and vortexed briefly.
5. Tubes were incubated on ice for 15 minutes, and shaken occasionally.
6. Tubes were centrifuged at 16 100 g for 10 seconds.
7. Supernatant was discarded and the pellet was re-suspended in 800µL wash buffer (see Appendix 3 for recipe) by vortexing.
8. Tubes were centrifuged at 16 100 g for 10 seconds.
9. Supernatant was discarded and the pellet was re-suspended in 800 µL cold 100 % ethanol.
10. Tubes were centrifuge at 16 100 g for 10 seconds.
11. Supernatant was discarded and tubes were inverted in laminar flow cabinet to dry.
12. Pellet was re-suspended in 25µL TE buffer (see Appendix 8 for recipe) and incubated at 45 ^{o}C for 10 minutes.
13. Tubes were centrifuged at 16 100 g for 1-2 minutes.
14. 20 µL of supernatant was removed to a fresh 0.5 or 1.5 mL tube.

References

Raeder, U. and Broda, P. (1985). "Rapid preparation of DNA from filamentous fungi." Letters in Applied Microbiology 1: 17-20.

Sambrook, J., Fritsch, E. F. and Maniatis, T. (1989). Molecular cloning: A Laboratory Manual. Cold Spring Hoarbor, NY., Cold Spring Laboratory Press.

Appendix 17 PCR protocol for the amplification of ectomycorrhizal fungal DNA from sporocarp and root tip samples.

PCR reactions contained 1 X NH_4 reaction buffer (Bioline, London, UK), 2 mM magnesium chloride ($MgCl_2$)(Fisher Biotec, Wembley, Australia), 0.2 mg/mL bovine serum albumin (BSA) (Fisher Biotec, Wembley, Australia), 200 µM deoxynucleotide triphosphate (dNTP) (Bioline, London, UK), 0.25 µM ITS1-F and 0.25 µM ITS4 (Geneworks, Adelaide, Australia), 0.04 U/µL of MangoTaq DNA Polymerase (Bioline, London, UK) and 5 µL of DNA template. Final volume was adjusted to 50 µL with purified water ('water for injection' AstraZeneca, London, UK).

The thermocycler program for PCR reactions consisted of: 95 °C for 2 minutes, then 35 cycles of 95 °C for 30 seconds, 55 °C for 30 seconds and 72 °C for 30 seconds, with a final extension at 72 °C for 7 minutes then cooled to 14 °C for 1 minute. PCR was carried out using either an Applied Biosystems 2720 Thermal Cycler or MJ PTC-100 Programmable Thermal Controller.

Appendix 18 Abundance of plant species recorded in each of the 5 m x 5 m plots. Abundance was measured by the Domin scale (see Chapter 3 methods). Ectomycorrhizal host species are marked with * in the first table.

Plot No.	6				6	5				5
Quadrat No.	60	63	66	69	**Mean**	48	51	54	57	**Mean**
Region	north-east					north-east				
Understorey-type	sclerophyll					sclerophyll				
*Acacia dealbata**	0.0	5.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
*Acacia melanoxylon**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acaena novae-zelandiae	0.5	0.5	1.0	0.0	0.5	0.5	1.0	0.5	0.0	0.5
Atherosperma moschatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Billardiera longiflora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blechnum spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blechnum wattsii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coprosma hirtella	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coprosma nitida	0.5	1.0	0.5	0.5	0.6	1.0	10.0	1.0	1.0	3.3
Corybas sp.	1.0	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5
Dianella tasmanica	5.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
Dicksonia antarctica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drymophila cyanocarpa	0.5	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0
*Eucalyptus dalrympleana**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
*Eucalyptus delegatensis**	33.0	10.0	33.0	10.0	21.5	10.0	10.0	26.0	33.0	19.8
Gahnia grandis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gahnia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geranium sp.	0.5	0.5	0.0	0.5	0.4	1.0	1.0	1.0	1.0	1.0

Plot No.	6				6	5				5
Quadrat No.	60	63	66	69	**Mean**	48	51	54	57	**Mean**
Region	north-east					north-east				
Understorey-type	sclerophyll					sclerophyll				
Gonocarpus spp.	0.5	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.1
Histiopteris sp.	0.0	1.0	0.5	0.0	0.4	0.0	0.0	0.0	0.5	0.1
Hydrocotyle sp.	1.0	0.0	0.5	1.0	0.6	1.0	1.0	5.0	0.5	1.9
Hypolepis sp.	0.0	0.5	1.0	0.0	0.4	0.0	0.0	0.0	0.5	0.1
Juncus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptecophylla juniperina subsp. *parviflora*	5.0	0.0	0.0	0.0	1.3	0.0	1.0	0.0	0.0	0.3
*Leptospermum lanigerum**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lomatia tinctoria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Monotoca glauca	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nematolepis squamea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
*Nothofagus cunninghamii**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olearia phlogopappa	0.5	1.0	1.0	0.0	0.6	0.0	0.0	1.0	0.5	0.4
Oxylobium ellipticum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Persoonia juniperina	0.5	0.0	10.0	1.0	2.9	1.0	0.5	0.0	1.0	0.6
Phyllocladus aspleniifolius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimelea drupacea	0.0	0.5	0.5	0.0	0.3	0.0	0.5	0.0	0.5	0.3
Pittosporum bicolor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poa sp.	0.0	1.0	0.0	1.0	0.5	10.0	5.0	10.0	10.0	8.8
Polystichum proliferum	0.5	26.0	1.0	0.0	6.9	0.5	0.0	26.0	0.0	6.6

Plot No.	6				6	5				5
Quadrat No.	60	63	66	69	**Mean**	48	51	54	57	**Mean**
Region	north-east					north-east				
Understorey-type	sclerophyll					sclerophyll				
Pteridium esculentum	1.0	0.0	0.5	1.0	0.6	0.5	0.0	0.0	1.0	0.4
Pultenaea juniperina	33.0	5.0	0.0	10.0	12.0	75.0	75.0	26.0	75.0	62.8
Stellaria pungens	0.5	0.5	1.0	1.0	0.8	1.0	1.0	5.0	10.0	4.3
Tasmannia lanceolatus	5.0	0.5	0.5	0.5	1.6	0.5	0.5	0.0	0.5	0.4
Viola hederacea	0.5	0.5	0.5	0.5	0.5	0.5	1.0	0.0	0.5	0.5
Zieria arborescens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grass sp.	1.0	1.0	1.0	0.5	0.9	0.5	0.0	0.0	0.5	0.3
Senecio sp.	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.4
Luzula spp.	0.5	0.5	0.5	1.0	0.6	0.5	0.5	0.0	1.0	0.5
Uncinia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxalis sp.	1.0	0.5	1.0	0.5	0.8	1.0	0.5	1.0	1.0	0.9
Asperula conferta	0.5	0.0	0.0	0.5	0.3	0.5	0.5	0.5	0.5	0.5
Pimelea ligustrina	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.3
Leptinella longipes	0.5	0.0	0.0	0.0	0.1	0.5	0.0	0.0	0.0	0.1
Notelaea ligustrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
*Melaleuca squarrosa**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown herb	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.1
Plant species richness	24.0	20.0	18.0	18.0	20.0	22.0	19.0	14.0	21.0	19.0
Total plant species richness					33					22
Total canopy cover	33.0	10.0	33.0	10.0	21.5	10.0	10.0	25.0	33.0	19.5

Plot No.	8				8	7				7
Quadrat No.	36	39	42	45	**Mean**	25	28	31	34	**Mean**
Region	north-east					north-east				
Understorey-type	sclerophyll					sclerophyll				
Acacia dealbata	0.0	0.5	0.0	0.0	0.1	0.0	0.0	1.0	10.0	2.8
Acacia melanoxylon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acaena novae-zelandiae	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Atherosperma moschatum	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Billardiera longiflora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blechnum spp.	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Blechnum wattsii	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coprosma hirtella	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coprosma nitida	0.0	0.0	10.0	1.0	3.0	5.0	10.0	10.0	0.0	6.3
Corybas sp.	0.0	0.0	0.5	0.5	0.4	0.0	0.5	0.5	0.0	0.3
Dianella tasmanica	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicksonia antarctica	0.0	0.0	0.0	1.0	0.3	0.0	0.0	0.5	5.0	1.4
Drymophila cyanocarpa	10.0	5.0	0.0	0.5	0.3	0.0	0.0	0.5	0.0	0.1
Eucalyptus dalrympleana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eucalyptus delegatensis	0.0	0.0	10.0	10.0	8.8	10.0	26.0	26.0	10.0	18.0
Gahnia grandis	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gahnia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geranium sp.	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0	0.5	0.1
Gonocarpus spp.	0.5	0.0	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Histiopteris sp.	0.0	0.0	0.5	0.0	0.1	0.5	5.0	1.0	5.0	2.9
Hydrocotyle sp.	0.0	0.0	0.0	0.0	0.1	0.5	1.0	0.0	0.0	0.4

Plot No.	8				8	7				7
Quadrat No.	36	39	42	45	**Mean**	25	28	31	34	**Mean**
Region	north-east					north-east				
Understorey-type	sclerophyll					sclerophyll				
Hypolepis sp.	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.5
Juncus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1
Leptecophylla juniperina subsp. *parviflora*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Leptospermum lanigerum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lomatia tinctoria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium sp.	0.0	0.0	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Monotoca glauca	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nematolepis squamea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nothofagus cunninghamii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Olearia phlogopappa	0.0	10.0	0.0	0.0	0.0	1.0	0.5	0.0	0.5	0.5
Oxylobium ellipticum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Persoonia juniperina	0.5	0.0	0.0	1.0	2.8	0.0	0.5	0.0	0.0	0.1
Phyllocladus aspleniifolius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimelea drupacea	1.0	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0	0.1
Pittosporum bicolor	10.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poa sp.	0.5	0.0	50.0	0.5	12.9	0.5	5.0	0.0	1.0	1.6
Polystichum proliferum	10.0	1.0	10.0	5.0	18.8	50.0	50.0	33.0	33.0	41.5
Pteridium esculentum	0.5	0.5	1.0	0.0	0.4	5.0	1.0	0.0	0.0	1.5
Pultenaea juniperina	26.0	5.0	10.0	5.0	6.5	5.0	5.0	0.5	10.0	5.1
Stellaria pungens	0.5	0.0	0.5	0.5	0.5	1.0	1.0	1.0	5.0	2.0

Plot No.	8				8	7				7
Quadrat No.	36	39	42	45	**Mean**	25	28	31	34	**Mean**
Region	north-east					north-east				
Understorey-type	sclerophyll					sclerophyll				
Tasmannia lanceolatus	0.0	0.0	1.0	10.0	10.5	0.0	0.5	0.5	0.5	0.4
Viola hederacea	0.5	0.5	1.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Zieria arborescens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grass sp.	1.0	0.5	1.0	0.5	0.6	0.0	0.5	0.5	0.0	0.3
Senecio sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Luzula spp.	0.0	0.0	0.5	0.5	0.6	0.5	0.5	0.0	0.5	0.4
Uncinia sp.	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxalis sp.	0.5	0.0	0.5	0.0	0.1	0.5	0.0	0.0	0.0	0.1
Asperula conferta	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Pimelea ligustrina	33.0	0.0	0.5	0.0	0.3	0.0	0.0	0.5	0.0	0.1
Leptinella longipes	0.0	0.0	0.5	0.5	0.3	0.0	0.0	0.0	0.0	0.0
Notelaea ligustrina	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Melaleuca squarrosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown herb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant species richness	21.0	11.0	22.0	14.0	17.0	12.0	15.0	14.0	14.0	13.8
Total plant species richness					21					21
Total canopy cover	33.0	5.0	10.0	10.0	14.5	10.0	25.0	25.0	10.0	17.5

Plot No.	9				9	10				10
Quadrat No.	96	99	102	105	**Mean**	108	111	114	117	**Mean**
Region	north-west					north-west				
Understorey-type	rainforest					rainforest				
Acacia dealbata	0.5	0.0	1.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Acacia melanoxylon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acaena novae-zelandiae	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atherosperma moschatum	0.0	0.0	0.0	10.0	2.5	0.0	0.0	0.0	0.0	0.0
Billardiera longiflora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blechnum spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blechnum wattsii	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1
Coprosma hirtella	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coprosma nitida	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Corybas sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dianella tasmanica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicksonia antarctica	0.0	5.0	0.0	0.0	1.3	0.5	0.0	26.0	0.0	6.6
Drymophila cyanocarpa	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.3
Eucalyptus dalrympleana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eucalyptus delegatensis	5.0	5.0	1.0	5.0	4.0	1.0	0.0	0.0	10.0	2.8
Gahnia grandis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	2.5
Gahnia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geranium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonocarpus spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Histiopteris sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Plot No.	9				9	10				10
Quadrat No.	96	99	102	105	**Mean**	108	111	114	117	**Mean**
Region	north-west					north-west				
Understorey-type	rainforest					rainforest				
Hydrocotyle sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hypolepis sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juncus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptecophylla juniperina subsp. *parviflora*	10.0	5.0	0.5	0.0	3.9	1.0	1.0	0.0	0.0	0.5
Leptospermum lanigerum	25.0	1.0	0.0	10.0	9.0	0.0	0.0	0.0	0.0	0.0
Lomatia tinctoria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Monotoca glauca	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.1
Nematolepis squamea	25.0	50.0	0.0	0.0	18.8	0.5	0.0	0.5	0.0	0.3
Nothofagus cunninghamii	0.5	1.0	50.0	75.0	31.6	10.0	50.0	75.0	95.0	57.5
Olearia phlogopappa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxylobium ellipticum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Persoonia juniperina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phyllocladus aspleniifolius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimelea drupacea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pittosporum bicolor	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poa sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polystichum proliferum	0.5	1.0	0.0	5.0	1.6	5.0	0.0	1.0	0.0	1.5
Pteridium esculentum	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Pultenaea juniperina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Plot No.	9				9	10				10
Quadrat No.	96	99	102	105	**Mean**	108	111	114	117	**Mean**
Region	north-west					north-west				
Understorey-type	rainforest					rainforest				
Stellaria pungens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tasmannia lanceolatus	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.5	0.5
Viola hederacea	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Zieria arborescens	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.1
Grass sp.	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Senecio sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Luzula spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uncinia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxalis sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asperula conferta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimelea ligustrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptinella longipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Notelaea ligustrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melaleuca squarrosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown herb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant species richness	10.0	10.0	5.0	6.0	7.8	7.0	5.0	7.0	5.0	6.0
Total plant species richness					15					10
Total canopy cover	5.0	5.0	1.0	5.0	4.0	1.0	0.0	0.0	10.0	2.8

Plot No.	2				2	1				1
Quadrat No.	84	87	90	93	**Mean**	72	75	78	81	**Mean**
Region	north-east					north-east				
Understorey-type	rainforest					rainforest				
Acacia dealbata	26.0	10.0	5.0	0.0	10.3	5.0	0.0	10.0	0.0	3.8
Acacia melanoxylon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acaena novae-zelandiae	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atherosperma moschatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Billardiera longiflora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blechnum spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blechnum wattsii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coprosma hirtella	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coprosma nitida	0.0	0.0	0.5	0.0	0.1	1.0	0.5	0.5	0.0	0.5
Corybas sp.	0.0	0.5	0.0	0.0	0.1	0.0	0.5	0.0	0.0	0.1
Dianella tasmanica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dicksonia antarctica	10.0	1.0	0.0	5.0	4.0	1.0	0.0	0.0	33.0	8.5
Drymophila cyanocarpa	0.0	0.5	0.5	0.0	0.3	0.5	0.5	0.5	0.0	0.4
Eucalyptus dalrympleana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Eucalyptus delegatensis	5.0	10.0	0.5	5.0	5.1	10.0	26.0	33.0	5.0	18.5
Gahnia grandis	1.0	1.0	0.0	0.0	0.5	5.0	5.0	10.0	0.0	5.0
Gahnia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geranium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonocarpus spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Histiopteris sp.	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.3
Hydrocotyle sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Plot No.	2				2	1				1
Quadrat No.	84	87	90	93	**Mean**	72	75	78	81	**Mean**
Region	north-east					north-east				
Understorey-type	rainforest					rainforest				
Hypolepis sp.	0.0	5.0	0.5	0.5	1.5	26.0	10.0	1.0	10.0	11.8
Juncus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptecophylla juniperina subsp. *parviflora*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptospermum lanigerum	26.0	50.0	50.0	50.0	44.0	26.0	10.0	26.0	10.0	18.0
Lomatia tinctoria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium sp.	0.0	1.0	0.0	0.0	0.3	0.0	1.0	0.5	0.0	0.4
Monotoca glauca	0.0	0.0	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Nematolepis squamea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nothofagus cunninghamii	10.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
Olearia phlogopappa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxylobium ellipticum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Persoonia juniperina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.3
Phyllocladus aspleniifolius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimelea drupacea	0.0	0.5	0.0	0.5	0.3	0.0	0.5	0.5	0.0	0.3
Pittosporum bicolor	10.0	0.0	0.0	0.0	2.5	0.0	0.0	26.0	10.0	9.0
Poa sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polystichum proliferum	0.0	1.0	1.0	5.0	1.8	0.0	5.0	5.0	0.5	2.6
Pteridium esculentum	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.5	0.5
Pultenaea juniperina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Stellaria pungens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Plot No.	2				2	1				1
Quadrat No.	84	87	90	93	**Mean**	72	75	78	81	**Mean**
Region	north-east					north-east				
Understorey-type	rainforest					rainforest				
Tasmannia lanceolatus	10.0	5.0	10.0	1.0	6.5	10.0	26.0	5.0	0.5	10.4
Viola hederacea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zieria arborescens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grass sp.	0.0	0.5	0.0	0.5	0.3	0.0	0.5	0.0	0.0	0.1
Senecio sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Luzula spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uncinia sp.	0.0	1.0	0.5	1.0	0.6	0.5	0.0	0.5	0.0	0.3
Oxalis sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asperula conferta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimelea ligustrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptinella longipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Notelaea ligustrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melaleuca squarrosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown herb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant species richness	8.0	14.0	10.0	9.0	10.3	11.0	13.0	15.0	8.0	11.8
Total plant species richness					15					16
Total canopy cover	5.0	10.0	0.5	5.0	5.1	10.0	25.0	33.0	33.0	25.3

Plot	12				12	3				3
Quadrat No.	120	123	126	129	**Mean**	16	19	22	13	**Mean**
Region	north-west					north-east				
Understorey-type	sclerophyll					rainforest				
Acacia dealbata	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acacia melanoxylon	5.0	0.0	0.0	5.0	2.5	0.0	0.0	0.0	0.0	0.0
Acaena novae-zelandiae	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atherosperma moschatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Billardiera longiflora	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Blechnum spp.	75.0	33.0	0.0	33.0	35.3	0.0	0.0	0.0	0.0	0.0
Blechnum wattsii	0.0	0.0	10.0	5.0	3.8	0.0	0.0	0.0	0.0	0.0
Coprosma hirtella	0.0	0.5	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0
Coprosma nitida	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.3
Corybas sp.	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
Dianella tasmanica	5.0	5.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0
Dicksonia antarctica	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	1.3
Drymophila cyanocarpa	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.4
Eucalyptus dalrympleana	0.0	0.0	10.0	0.5	2.6	0.0	0.0	0.0	0.0	0.0
Eucalyptus delegatensis	10.0	25.0	33.0	10.0	19.5	0.0	10.0	5.0	0.0	3.8
Gahnia grandis	5.0	0.0	10.0	0.0	3.8	10.0	0.0	1.0	0.0	2.8
Gahnia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Geranium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonocarpus spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Histiopteris sp.	0.0	0.0	0.0	0.0	0.0	5.0	10.0	1.0	5.0	5.3
Hydrocotyle sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Plot	12				12	3				3
Quadrat No.	120	123	126	129	**Mean**	16	19	22	13	**Mean**
Region	north-west					north-east				
Understorey-type	sclerophyll					rainforest				
Hypolepis sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juncus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptecophylla juniperina subsp. *parviflora*	0.0	10.0	5.0	10.0	6.3	0.0	0.0	0.0	0.0	0.0
Leptospermum lanigerum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.5
Lomatia tinctoria	0.0	1.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Lycopodium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Monotoca glauca	5.0	10.0	25.0	10.0	12.5	0.0	0.0	0.0	0.0	0.0
Nematolepis squamea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nothofagus cunninghamii	0.0	0.0	0.0	0.0	0.0	0.5	0.5	50.0	5.0	14.0
Olearia phlogopappa	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Oxylobium ellipticum	0.0	5.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
Persoonia juniperina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phyllocladus aspleniifolius	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.5
Pimelea drupacea	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Pittosporum bicolor	0.5	0.0	0.0	0.0	0.1	10.0	0.0	1.0	0.0	2.8
Poa sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polystichum proliferum	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.1
Pteridium esculentum	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0
Pultenaea juniperina	1.0	10.0	5.0	5.0	5.3	0.0	0.0	0.0	0.0	0.0
Stellaria pungens	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

Plot	12				12	3				3
Quadrat No.	120	123	126	129	**Mean**	16	19	22	13	**Mean**
Region	north-west					north-east				
Understorey-type	sclerophyll					rainforest				
Tasmannia lanceolatus	5.0	0.0	0.0	0.5	1.4	0.5	10.0	5.0	10.0	6.4
Viola hederacea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zieria arborescens	1.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Grass sp.	0.5	0.5	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0
Senecio sp.	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0
Luzula spp.	0.0	0.0	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Uncinia sp.	0.0	0.5	0.0	0.5	0.3	0.0	0.0	0.0	0.0	0.0
Oxalis sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asperula conferta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimelea ligustrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptinella longipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Notelaea ligustrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melaleuca squarrosa	0.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	5.0	7.8
Unknown herb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant species richness	16.0	17.0	13.0	17.0	15.8	7.0	9.0	11.0	6.0	8.3
Total plant species richness					20					20
Total canopy cover	10.0	25.0	33.0	10.0	19.5	0.0	10.0	5.0	0.0	3.8

Plot No.	11				11	4				4
Quadrat No.	132	135	138	141	**Mean**	1	4	7	10	**Mean**
Region	north-west					north-east				
Understorey-type	sclerophyll					rainforest				
Acacia dealbata	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	2.5
Acacia melanoxylon	0.0	0.0	0.0	33.0	8.3	0.0	0.0	0.0	0.0	0.0
Acaena novae-zelandiae	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atherosperma moschatum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Billardiera longiflora	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blechnum spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Blechnum wattsii	5.0	10.0	0.0	1.0	4.0	0.0	0.0	0.0	0.0	0.0
Coprosma hirtella	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coprosma nitida	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	5.0	1.4
Corybas sp.	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Dianella tasmanica	0.5	0.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
Dicksonia antarctica	0.0	10.0	0.5	0.0	2.6	0.5	0.0	0.0	0.0	0.1
Drymophila cyanocarpa	0.5	0.0	0.5	0.5	0.4	0.0	0.5	0.0	0.0	0.1
Eucalyptus dalrympleana	5.0	0.0	10.0	50.0	16.3	0.0	0.0	0.0	0.0	0.0
Eucalyptus delegatensis	5.0	1.0	5.0	5.0	4.0	50.0	0.0	0.0	1.0	12.8
Gahnia grandis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.3
Gahnia sp.	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	1.3
Geranium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonocarpus spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Histiopteris sp.	0.0	0.0	0.0	0.0	0.0	1.0	0.5	5.0	5.0	2.9

Plot No.	11				11	4				4
Quadrat No.	132	135	138	141	**Mean**	1	4	7	10	**Mean**
Region	north-west					north-east				
Understorey-type	sclerophyll					rainforest				
Hydrocotyle sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hypolepis sp.	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0
Juncus sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptecophylla juniperina subsp. *parviflora*	0.0	1.0	0.0	0.5	0.4	0.0	0.0	0.0	0.0	0.0
Leptospermum lanigerum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lomatia tinctoria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lycopodium sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Monotoca glauca	75.0	25.0	50.0	26.0	44.0	0.0	0.0	0.0	0.0	0.0
Nematolepis squamea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nothofagus cunninghamii	0.0	0.0	0.0	0.0	0.0	10.0	75.0	10.0	5.0	25.0
Olearia phlogopappa	0.0	0.0	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Oxylobium ellipticum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Persoonia juniperina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Phyllocladus aspleniifolius	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimelea drupacea	0.5	0.5	0.5	0.0	0.4	0.0	0.0	0.0	0.5	0.1
Pittosporum bicolor	0.5	26.0	1.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0
Poa sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Polystichum proliferum	0.0	1.0	0.0	0.0	0.3	10.0	10.0	50.0	10.0	20.0
Pteridium esculentum	0.5	0.5	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
Pultenaea juniperina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Plot No.	11				11	4				4
Quadrat No.	132	135	138	141	**Mean**	1	4	7	10	**Mean**
Region	north-west					north-east				
Understorey-type	sclerophyll					rainforest				
Stellaria pungens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.3
Tasmannia lanceolatus	10.0	10.0	0.0	0.5	5.1	10.0	0.0	1.0	1.0	3.0
Viola hederacea	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zieria arborescens	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grass sp.	0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Senecio sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Luzula spp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.1
Uncinia sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.3
Oxalis sp.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Asperula conferta	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pimelea ligustrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptinella longipes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Notelaea ligustrina	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melaleuca squarrosa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unknown herb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plant species richness	12.0	10.0	9.0	11.0	10.5	7.0	6.0	8.0	9.0	7.5
Total plant species richness					23					16
Total canopy cover	10.0	1.0	25.0	50.0	21.5	50.0	0.0	0.0	1.0	12.8

Appendix 19 Summary of ectomycorrhizal root tip samples. Entries in bold are those that resulted in no ECM OTUs recorded.

Tree tag	Plot	Collection date	Soil core	Total no. samples	No. sample ID ECM	No. sample ID non-ECM	No. sample DNA amplification failed	No. samples poor quality sequence
A48	1	10.9.08	6	3	2	0	0	1
A88	**1**	**10.9.08**	**7**	**1**	**0**	**0**	**0**	**1**
A48	1	12.11.07	27	5	2	0	3	0
A87	1	12.11.07	28	4	4	0	0	0
A85	1	12.11.07	29	1	1	0	0	0
A86	1	12.11.07	30	4	2	0	1	1
A88	1	12.11.07	31	3	3	0	0	0
A47	1	3.7.07	85	2	1	1	0	0
A49	1	7.7.07	102	7	3	0	1	3
A47	**1**	**10.9.08**	**117**	**0**	**0**	**-**	**-**	**-**
A132	2	10.9.08	8	3	2	1	0	0
A192	2	10.9.08	9	3	3	0	0	0
A195	2	10.9.08	10	3	2	1	0	0
A76	2	12.11.07	32	5	3	0	2	0
A77	2	12.11.07	33	2	2	0	0	0
A78	**2**	**12.11.07**	**34**	**1**	**0**	**0**	**0**	**1**
A79	2	12.11.07	35	1	1	0	0	0
A80	**2**	**12.11.07**	**36**	**1**	**0**	**0**	**1**	**0**
A45	2	3.7.07	87	6	4	0	2	0
A46	2	3.7.07	88	6	1	0	5	0
A13	3	10.9.08	14	18	15	2	1	0
A14	3	10.9.08	15	3	3	0	0	0
A56	3	10.9.08	16	2	1	1	0	0
A14	3	12.11.07	37	1	1	0	0	0
A58	**3**	**12.11.07**	**38**	**5**	**0**	**0**	**5**	**0**
A83	3	12.11.07	39	11	7	0	3	1
A56	3	7.7.07	104	8	1	0	7	0
A57	3	7.7.07	105	5	4	0	1	0
A14	**3**	**12.11.07**	**109**	**1**	**0**	**0**	**1**	**0**
A58	3	12.11.07	110	4	3	1	0	0
A128	4	10.9.08	19	7	3	3	1	0
A55	4	12.11.07	20	2	2	0	0	0
A53	4	10.9.08	21	4	3	1	0	0

Tree tag	Plot	Collection date	Soil core	Total no. samples	No. sample ID ECM	No. sample ID non-ECM	No. sample DNA amplification failed	No. samples poor quality sequence
A52	4	12.11.07	40	11	8	0	2	1
A55	4	12.11.07	41	1	1	0	0	0
A81	4	12.11.07	42	4	3	1	0	0
A82	4	12.11.07	43	9	9	0	0	0
A53	4	7.7.07	106	9	7	0	1	1
A55	4	7.7.07	107	4	3	0	1	0
A15	**4**	**10.9.08**	**118**	**0**	**0**	**-**	**-**	**-**
A191	5	10.9.08	4	4	4	0	0	0
A105	5	13.11.07	49	3	2	0	0	1
A106	5	13.11.07	50	3	1	0	0	2
A107	5	13.11.07	51	4	3	0	1	0
A108	5	13.11.07	52	5	5	0	0	0
A28	5	13.11.07	53	3	2	0	1	0
A189	**5**	**10.9.08**	**86**	**0**	**0**	**-**	**-**	**-**
A27	5	4.7.07	90	3	3	0	0	0
A29	5	4.7.07	91	5	3	1	1	0
A190	**5**	**10.9.08**	**103**	**0**	**0**	**-**	**-**	**-**
A122	6	10.9.08	1	2	1	1	0	0
A166	6	10.9.08	2	3	3	0	0	0
A167	6	10.9.08	3	3	3	0	0	0
A109	6	13.11.07	44	3	3	0	0	0
A110	6	13.11.07	45	1	1	0	0	0
A111	6	13.11.07	46	6	6	0	0	0
A12	6	13.11.07	47	11	9	0	2	0
A30	6	13.11.07	48	3	2	0	0	1
A10	**6**	**4.7.07**	**83**	**0**	**0**	**-**	**-**	**-**
A32	6	4.7.07	89	3	3	0	0	0
A24	7	13.11.07	57	6	4	1	1	0
A90	7	13.11.07	58	5	3	0	1	1
A91	7	13.11.07	59	3	2	0	0	1
A92	7	13.11.07	60	5	4	0	0	1
A89	**7**	**13.11.07**	**82**	**0**	**0**	**-**	**-**	**-**
A38	**7**	**8.7.07**	**84**	**0**	**0**	**-**	**-**	**-**
A24	7	8.7.07	108	4	2	0	2	0
A164	**7**	**10.9.08**	**114**	**0**	**0**	**-**	**-**	**-**
A200	**7**	**10.9.08**	**115**	**0**	**0**	**-**	**-**	**-**

Tree tag	Plot	Collection date	Soil core	Total no. samples	No. sample ID ECM	No. sample ID non-ECM	No. sample DNA amplification failed	No. samples poor quality sequence
A38	**7**	**10.9.08**	**116**	**0**	**0**	**-**	**-**	**-**
A100	8	13.11.07	54	2	2	0	0	0
A103	8	13.11.07	55	2	2	0	0	0
A105	8	13.11.07	56	5	4	0	0	1
A100	**8**	**10.9.08**	**80**	**0**	**0**	**-**	**-**	**-**
A34	**8**	**13.11.07**	**81**	**0**	**0**	**-**	**-**	**-**
A36	8	4.7.07	92	2	2	0	0	0
A34	8	7.7.07	101	2	2	0	0	0
A188	**8**	**10.9.08**	**112**	**0**	**0**	**-**	**-**	**-**
A194	**8**	**10.9.08**	**113**	**0**	**0**	**-**	**-**	**-**
A102	**8**	**13.11.07**	**120**	**0**	**0**	**-**	**-**	**-**
A152	9	10.9.08	5	2	2	0	0	0
A168	9	12.10.08	22	6	4	1	0	1
A147	9	12.10.08	23	6	4	1	0	1
A147	9	15.11.07	61	3	3	0	0	0
A148	9	15.11.07	62	8	7	0	0	1
A149	9	15.11.07	63	9	4	0	3	2
A150	9	15.11.07	64	6	2	0	2	2
A64	9	15.11.07	65	9	6	0	1	2
A63	9	5.7.07	93	10	6	1	2	1
A65	9	5.7.07	94	15	6	0	9	0
A179	10	12.10.08	24	2	2	0	0	0
A181	10	12.10.08	25	9	9	0	0	0
A60	10	12.10.08	26	1	1	0	0	0
A3	10	15.11.07	66	10	6	0	2	2
A4	10	15.11.07	67	4	4	0	0	0
A60	10	15.11.07	68	4	4	0	0	0
A62	10	15.11.07	69	5	2	0	3	0
A3	10	5.7.07	95	15	12	1	1	1
A60	10	5.7.07	96	12	10	0	2	0
A60	10	15.11.07	111	6	6	0	0	0
A169	11	10.9.08	17	1	1	0	0	0
A175	11	10.9.08	18	5	4	0	0	1
A140	11	15.11.07	75	3	2	0	1	0
A141	11	15.11.07	76	7	7	0	0	0
A142	11	15.11.07	77	8	4	0	2	2

Appendix 19

Tree tag	Plot	Collection date	Soil core	Total no. samples	No. sample ID ECM	No. sample ID non-ECM	No. sample DNA amplification failed	No. samples poor quality sequence
A6	11	15.11.07	78	2	2	0	0	0
A7	11	15.11.07	79	3	3	0	0	0
A72	11	6.5.07	98	5	5	0	0	0
A71	11	6.7.07	100	3	2	0	1	0
A75	**11**	**12.10.08**	**119**	**0**	**0**	-	-	-
A143	12	10.9.08	11	5	5	0	0	0
A170	12	10.9.08	12	10	9	0	0	1
A5	12	10.9.08	13	2	2	0	0	0
A143	12	15.11.07	70	3	3	0	0	0
A144	**12**	**15.11.07**	**71**	**1**	**0**	**0**	**1**	**0**
A145	12	15.11.07	72	4	2	0	1	1
A146	12	15.11.07	73	5	3	0	2	0
A70	**12**	**15.11.07**	**74**	**1**	**0**	**0**	**1**	**0**
A70	12	5.7.07	97	2	1	0	1	0
A5	12	6.7.07	99	10	2	0	7	1
Total				493	348	19	89	37

Appendix 20 List of all root tip samples collected throughout the study. Where samples were identified as non-mycorrhizal, the species having closest match from a public database is shown in the OTU column. ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Agaricales		Agaricales sp. 3	3674	A192	9	10.9.08	2	ECM
Basidiomycota	Agaricales		Agaricales sp. 5	3082	A110	45	13.11.07	6	ECM
Basidiomycota	Agaricales		Agaricales sp. AM084419	1159	A3	95	5.7.07	10	nM
Ascomycota			Ascomycete sp. 1	3682	A48	6	10.9.08	1	ECM
Ascomycota			Ascomycete sp. 1	3087	A24	57	13.11.07	7	ECM
Ascomycota			Ascomycete sp. 1	3045	A148	62	15.11.07	9	ECM
Ascomycota			Ascomycete sp. 3	3340	A87	28	12.11.07	1	ECM
Ascomycota			Ascomycete sp. 3	3305	A83	39	12.11.07	3	ECM
Ascomycota			Ascomycete sp. 6	3667	A170	12	10.9.08	12	ECM
Ascomycota			Ascomycete sp. 8	3591	A181	25	12.10.08	10	ECM
Ascomycota			Ascomycete sp. 8	3594	A181	25	12.10.08	10	ECM
Ascomycota			Ascomycete sp. 10	3271	A142	77	15.11.07	11	ECM
Ascomycota			Ascomycete sp. 20	3047	A148	62	15.11.07	9	ECM
Ascomycota			Ascomycete sp. 21	3660	A170	12	10.9.08	12	ECM
Ascomycota			Ascomycete sp. 30	3644	A168	22	12.10.08	9	ECM
Anamorph			*Aspergillus zonatus* AF257799	3613	A128	19	10.9.08	4	nM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota			Basidiomycete sp. 2	3727	A179	24	12.10.08	10	ECM
Basidiomycota			Basidiomycete sp. 3	3303	A83	39	12.11.07	3	ECM
Basidiomycota			Basidiomycete sp. 5	3732	A195	10	10.9.08	2	ECM
Basidiomycota			Basidiomycete sp. 5	1278	A53	106	7.7.07	4	ECM
Basidiomycota			Basidiomycete sp. 5	1285	A55	107	7.7.07	4	ECM
Basidiomycota			Basidiomycete sp. 7	1235	A46	88	3.7.07	2	ECM
Basidiomycota			Basidiomycete sp. 8	3052B	A100	54	13.11.07	8	ECM
Basidiomycota			Basidiomycete sp. 8	3247	A64	65	15.11.07	9	ECM
Basidiomycota			Basidiomycete sp. 10	909	A65	94	5.7.07	9	ECM
Basidiomycota			Basidiomycete sp. 11	1225	A24	108	8.7.07	7	ECM
Basidiomycota			Basidiomycete sp. 12	3589	A181	25	12.10.08	10	ECM
Basidiomycota			Basidiomycete sp. 14	1217	A32	89	4.7.07	6	ECM
Basidiomycota	Boletales	Boletaceae	Boletaceae sp. 6	3746	A13	14	10.9.08	3	ECM
Anamorph			*Caulobacter crescentus* AE005673	931	A63	93	5.7.07	9	nM
Ascomycota			*Cenococcum geophilum*	3193	A143	70	15.11.07	12	ECM
Ascomycota			*Cenococcum geophilum*	3186	A141	76	15.11.07	11	ECM
Ascomycota			*Cenococcum geophilum*	3187	A141	76	15.11.07	11	ECM
Basidiomycota	Cantharellales	Clavariaceae	Clavariaceae sp. 6	3599	A147	23	12.10.08	9	ECM
Basidiomycota	Cantharellales	Clavariaceae	Clavariaceae sp. 6	3602	A147	23	12.10.08	9	ECM
Basidiomycota	Cantharellales	Clavariaceae	Clavariaceae sp. 6	1158	A3	95	5.7.07	10	ECM
Basidiomycota	Cantharellales	Clavariaceae	Clavariaceae sp. 6	1143	A72	98	6.5.07	11	ECM
Basidiomycota	Cantharellales	Clavariaceae	Clavariaceae sp. 6	1146	A72	98	6.5.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae		3371	A14	37	12.11.07	3	ECM-F
Basidiomycota	Agaricales	Cortinariaceae		1185	A70	97	5.7.07	12	ECM-F

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Agaricales	Cortinariaceae	Cortinariaceae sp. 2	3302	A83	39	12.11.07	3	ECM
Basidiomycota	Agaricales	Cortinariaceae	Cortinariaceae sp. 3	3277	A142	77	15.11.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius*	3681	A48	6	10.9.08	1	ECM-G
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius*	3762	A56	16	10.9.08	3	ECM-G
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius*	1219	A32	89	4.7.07	6	ECM-G
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* aff. *cannarius*	949	A72	98	6.5.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* aff. *cannarius*	1145	A72	98	6.5.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	3331	A52	40	12.11.07	4	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	1182	A45	87	3.7.07	2	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum*	3748	A13	14	10.9.08	3	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	942	A60	96	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 2	3606	A5	13	10.9.08	12	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 11	1149	A3	95	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 11	1151	A3	95	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 11	1156	A3	95	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 11	1162	A3	95	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 12	3028	A82	43	12.11.07	4	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 21	3598	A147	23	12.10.08	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 21	3600	A147	23	12.10.08	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 21	3214	A147	61	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 21	3215	A147	61	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 21	3124	A60	68	15.11.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 21	940	A60	96	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 27	3046	A148	62	15.11.07	9	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 27	3048	A148	62	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 28	3070	A12	47	13.11.07	6	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 29	1155	A3	95	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 40	3042	A148	62	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 41	3661	A170	12	10.9.08	12	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 41	3662	A170	12	10.9.08	12	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 41	3663	A170	12	10.9.08	12	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 46	1144	A72	98	6.5.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 46	1279	A53	106	7.7.07	4	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 49	3272	A142	77	15.11.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 56	3749	A13	14	10.9.08	3	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 56	3754	A13	14	10.9.08	3	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 56	3005	A83	39	12.11.07	3	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 56	3019	A82	43	12.11.07	4	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 56	3216	A147	61	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 56	3167	A149	63	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 56	3101	A150	64	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 56	1191	A71	100	6.7.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 58	3756	A14	15	10.9.08	3	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 58	3757	A14	15	10.9.08	3	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 58	3137	A3	66	15.11.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 58	3185	A141	76	15.11.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 58	3188	A141	76	15.11.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 58	3191	A141	76	15.11.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 58	1207	A57	105	7.7.07	3	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 61	3718	A175	18	10.9.08	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 63	3605	A5	13	10.9.08	12	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 64	3180	A145	72	15.11.07	12	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 67	3132	A48	27	12.11.07	1	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 67	3136	A3	66	15.11.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 68	3160	A149	63	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 68	3162	A149	63	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 68	3163	A149	63	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 70	1150	A3	95	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 71	3022	A82	43	12.11.07	4	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 72	3425	A52	40	12.11.07	4	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 73	3253	A4	67	15.11.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 73	1160	A3	95	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 73	3208	A60	111	15.11.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 73	3209	A60	111	15.11.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 74	3118	A105	56	13.11.07	8	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Cortinarius* sp. 74	3119	A105	56	13.11.07	8	ECM
Basidiomycota	Agaricales	Mycenaceae	*Cruentomycena kedrovaya* EU517513	3697	A122	1	10.9.08	6	nM
Basidiomycota	Agaricales	Cortinariaceae	*Dermocybe* sp. 1	1153	A3	95	5.7.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Dermocybe* sp. 8	3586	A181	25	12.10.08	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Dermocybe* sp. 8	3590	A181	25	12.10.08	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	3675	A192	9	10.9.08	2	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	3200	A76	32	12.11.07	2	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	3351	A55	41	12.11.07	4	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	3095	A30	48	13.11.07	6	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	3038	A105	49	13.11.07	5	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	3314	A90	58	13.11.07	7	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	3049	A148	62	15.11.07	9	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	3250	A4	67	15.11.07	10	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	3267	A6	78	15.11.07	11	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	1204	A57	105	7.7.07	3	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descolea recedens*	1223	A24	108	8.7.07	7	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descomyces* aff. *albus*	3628	A166	2	10.9.08	6	ECM
Basidiomycota	Agaricales	Cortinariaceae	*Descomyces* aff. *albus*	1218	A32	89	4.7.07	6	ECM
Anamorph			*Diplodiscus subclavatus* AJ287502	3743	A13	14	10.9.08	3	nM
			Ectomycorrhizal sp. 1	3236	A7	79	15.11.07	11	ECM
			Ectomycorrhizal sp. 2	3643	A168	22	12.10.08	9	ECM
Ascomycota	Elamphomycetales	Elaphomycetaceae	*Elaphomyces* sp. 1	3665	A170	12	10.9.08	12	ECM
Ascomycota	Elamphomycetales	Elaphomycetaceae	*Elaphomyces* sp. 1	3728	A179	24	12.10.08	10	ECM
Basidiomycota	Agaricales	Entolomataceae	Entolomataceae sp. 2	1178	A45	87	3.7.07	2	ECM
Basidiomycota	Agaricales	Entolomataceae	Entolomataceae sp. 3	3365	A86	30	12.11.07	1	ECM
Basidiomycota	Agaricales	Entolomataceae	Entolomataceae sp. 3	3366	A86	30	12.11.07	1	ECM
Basidiomycota	Agaricales	Entolomataceae	Entolomataceae sp. 3	3356	A88	31	12.11.07	1	ECM
Basidiomycota	Agaricales	Entolomataceae	Entolomataceae sp. 3	3260	A111	46	13.11.07	6	ECM
Basidiomycota	Agaricales	Entolomataceae	Entolomataceae sp. 3	3224	A146	73	15.11.07	12	ECM
Basidiomycota	Agaricales	Entolomataceae	Entolomataceae sp. 3	1167	A5	99	6.7.07	12	ECM
Basidiomycota	Agaricales	Entolomataceae	Entolomataceae sp. 4	3733	A195	10	10.9.08	2	ECM
Basidiomycota	Sebacinales	Sebacinaceae		3642	A168	22	12.10.08	9	ECM-F
Basidiomycota	Sebacinales	Sebacinaceae	Sebacinaceae sp. 1	3052A	A100	54	13.11.07	8	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Anamorph			*Fulvoflamma eucalypti* DQ195779	3768	A53	21	10.9.08	4	nM
			Fungal sp. 1	1198	A27	90	4.7.07	5	ECM
			Fungal sp. 2	3676	A192	9	10.9.08	2	ECM
			Fungal sp. 3	3741	A13	14	10.9.08	3	ECM
			Fungal sp. 3	3744	A13	14	10.9.08	3	ECM
			Fungal sp. 3	3751	A13	14	10.9.08	3	ECM
			Fungal sp. 3	3753	A13	14	10.9.08	3	ECM
			Fungal sp. 3	3758	A14	15	10.9.08	3	ECM
			Fungal sp. 3	3362	A81	42	12.11.07	4	ECM
			Fungal sp. 3	3140	A3	66	15.11.07	10	ECM
			Fungal sp. 3	3142	A3	66	15.11.07	10	ECM
			Fungal sp. 3	3145	A3	66	15.11.07	10	ECM
			Fungal sp. 3	3125	A60	68	15.11.07	10	ECM
			Fungal sp. 3	932	A63	93	5.7.07	9	ECM
			Fungal sp. 3	936	A60	96	5.7.07	10	ECM
			Fungal sp. 3	938	A60	96	5.7.07	10	ECM
			Fungal sp. 3	1273	A53	106	7.7.07	4	ECM
			Fungal sp. 3	3170	A58	110	12.11.07	3	ECM
			Fungal sp. 3	3204	A60	111	15.11.07	10	ECM
			Fungal sp. 4	3623	A132	8	10.9.08	2	ECM
			Fungal sp. 5	3192	A143	70	15.11.07	12	ECM
			Fungal sp. 6	1255	A56	104	7.7.07	3	ECM
			Fungal sp. 7	3639	A168	22	12.10.08	9	ECM
Ascomycota	Helotiales		Helotiales sp. 1	3131	A48	27	12.11.07	1	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Ascomycota	Helotiales		Helotiales sp. 1	3299	A83	39	12.11.07	3	ECM
Ascomycota	Helotiales		Helotiales sp. 1	3065	A12	47	13.11.07	6	ECM
Ascomycota	Helotiales		Helotiales sp. 1	3276	A142	77	15.11.07	11	ECM
Ascomycota	Helotiales		Helotiales sp. 1	1179	A45	87	3.7.07	2	ECM
Ascomycota	Helotiales		Helotiales sp. 1	1213	A29	91	4.7.07	5	ECM
Ascomycota	Helotiales		Helotiales sp. 1	908	A65	94	5.7.07	9	ECM
Ascomycota	Helotiales		Helotiales sp. 1	910	A65	94	5.7.07	9	ECM
Ascomycota	Helotiales		Helotiales sp. 1	1282	A55	107	7.7.07	4	ECM
Ascomycete	Helotiales		Helotiales sp. 2	3151	A107	51	13.11.07	5	ECM
Ascomycota	Helotiales		Helotiales sp. 2	945	A60	96	5.7.07	10	ECM
Ascomycota	Helotiales		Helotiales sp. 3	3268	A6	78	15.11.07	11	ECM
Ascomycota	Helotiales		Helotiales sp. 4	3694	A52	40	10.9.08	4	ECM
Ascomycota	Helotiales		Helotiales sp. 5	3592	A181	25	12.10.08	10	ECM
Ascomycota	Helotiales		Helotiales sp. 7	3593	A181	25	12.10.08	10	ECM
Ascomycota	Helotiales		Helotiales sp. 8	3615	A128	19	10.9.08	4	ECM
Ascomycete	Helotiales		Helotiales sp. 9	3767	A53	21	10.9.08	4	ECM
Ascomycota	Helotiales		Helotiales sp. 10	3202	A76	32	12.11.07	2	ECM
Ascomycota	Helotiales		Helotiales sp. 11	3093	A30	48	13.11.07	6	ECM
Basidiomycota	Agaricales	Inocybaceae		3629	A166	2	10.9.08	6	ECM-F
Basidiomycota	Agaricales	Inocybaceae	*Inocybe* sp. 1	3261	A111	46	13.11.07	6	ECM
Basidiomycota	Agaricales	Inocybaceae	*Inocybe* sp. 1	3262	A111	46	13.11.07	6	ECM
Basidiomycota	Agaricales	Inocybaceae	*Inocybe* sp. 1	3263	A111	46	13.11.07	6	ECM
Basidiomycota	Agaricales	Inocybaceae	*Inocybe* sp. 1	3264	A111	46	13.11.07	6	ECM
Basidiomycota	Agaricales	Inocybaceae	*Inocybe* sp. 1	3251	A4	67	15.11.07	10	ECM
Basidiomycota	Agaricales	Inocybaceae	*Inocybe* sp. 1	3126	A60	68	15.11.07	10	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Agaricales	Inocybaceae	*Inocybe* sp. 2	3039	A105	49	13.11.07	5	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria*	3354	A88	31	12.11.07	1	ECM-G
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria*	3069	A12	47	13.11.07	6	ECM-G
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria*	944	A60	96	5.7.07	10	ECM-G
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3350	A55	20	12.11.07	4	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3292	A77	33	12.11.07	2	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3291	A77	33	12.11.07	2	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3376	A79	35	12.11.07	2	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3325	A52	40	12.11.07	4	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3064	A12	47	13.11.07	6	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3156	A106	50	13.11.07	5	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3088	A24	57	13.11.07	7	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3085	A24	57	13.11.07	7	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3189	A141	76	15.11.07	11	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3190	A141	76	15.11.07	11	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	1199	A27	90	4.7.07	5	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	943	A60	96	5.7.07	10	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	935	A60	96	5.7.07	10	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	939	A60	96	5.7.07	10	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	1228	A34	101	7.7.07	8	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	1229	A34	101	7.7.07	8	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	1283	A55	107	7.7.07	4	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 1	3207	A60	111	15.11.07	10	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 2	3057	A91	59	13.11.07	7	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 2	3058	A91	59	13.11.07	7	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 3	3252	A4	67	15.11.07	10	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 4	937	A60	96	5.7.07	10	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 5	3301	A83	39	12.11.07	3	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 5	3306	A83	39	12.11.07	3	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 5	3345	A92	60	13.11.07	7	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 6	3624	A132	8	10.9.08	2	ECM
Basidiomycota	Agaricales	Hydnangiaceae	*Laccaria* sp. 6	3178	A145	72	15.11.07	12	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3738	A13	14	10.9.08	3	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3717	A175	18	10.9.08	11	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3765	A53	21	10.9.08	4	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3766	A53	21	10.9.08	4	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3326	A52	40	12.11.07	4	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3693	A52	40	10.9.08	4	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3359	A81	42	12.11.07	4	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3361	A81	42	12.11.07	4	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3149	A107	51	13.11.07	5	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3150	A107	51	13.11.07	5	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3344	A92	60	13.11.07	7	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3240	A64	65	15.11.07	9	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3244	A64	65	15.11.07	9	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3235	A7	79	15.11.07	11	ECM
Basidiomycota	Russulales	Russulaceae	*Lactarius* sp. 1	3237	A7	79	15.11.07	11	ECM
Anamorph			*Lasiodiplodia theobromae* EF622076	3031	A58	110	12.11.07	3	nM
Anamorph			*Leptodontidium elatius* AF475152	3360	A81	42	12.11.07	4	nM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Anamorph			*Leptodontidium elatius* AF475152	3089	A24	57	13.11.07	7	nM
Anamorph			*Leptodontidium elatius* AF475152	1194	A47	85	3.7.07	1	nM
Anamorph			*Leptodontidium elatius* AF475152	1211	A29	91	4.7.07	5	nM
Mucoromycotina	Mortierellales	Mortierellaceae	*Mortierella* sp. EF126329	3601	A147	23	12.10.08	9	nM
Basidiomycota	Agaricales	Mycenaceae	*Mycena plumbea* DQ494677	3622	A132	8	10.9.08	2	nM
Ascomycota			*Oidiodendron* sp. 1	3194	A143	70	15.11.07	12	ECM
Ascomycota	Pezizales		Pezizales sp. 3	3740	A13	14	10.9.08	3	ECM
Ascomycota	Pezizales		Pezizales sp. 3	3747	A13	14	10.9.08	3	ECM
Anamorph			*Phialocephala fortinii* AY078144	3617	A128	19	10.9.08	4	nM
Basidiomycota	Gomphales	Gomphaceae	*Ramaria* sp. 1	926	A63	93	5.7.07	9	ECM
Anamorph			*Rhizoctonia* sp. AJ242892	3731	A195	10	10.9.08	2	nM
Anamorph			*Rhodoveronaea varioseptata* EU041813	3611	A128	19	10.9.08	4	nM
Anamorph			*Rhodoveronaea varioseptata* EU041813	3640	A168	22	12.10.08	9	nM
Basidiomycota	Russulales	Russulaceae	*Russula*	3688	A167	3	10.9.08	6	ECM-G
Basidiomycota	Russulales	Russulaceae	*Russula*	3657	A143	11	10.9.08	12	ECM-G
Basidiomycota	Russulales	Russulaceae	*Russula*	3086	A24	57	13.11.07	7	ECM-G
Basidiomycota	Russulales	Russulaceae	*Russula*	3138	A3	66	15.11.07	10	ECM-G
Basidiomycota	Russulales	Russulaceae	*Russula*	917	A65	94	5.7.07	9	ECM-G
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3664	A170	12	10.9.08	12	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3666	A170	12	10.9.08	12	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3668	A170	12	10.9.08	12	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3716	A175	18	10.9.08	11	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3588	A181	25	12.10.08	10	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3324	A52	40	12.11.07	4	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3329	A52	40	12.11.07	4	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3259	A111	46	13.11.07	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3062	A12	47	13.11.07	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3063	A12	47	13.11.07	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3067	A12	47	13.11.07	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3068	A12	47	13.11.07	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3116	A105	56	13.11.07	8	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	3117	A105	56	13.11.07	8	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	925	A63	93	5.7.07	9	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	927	A63	93	5.7.07	9	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	929	A63	93	5.7.07	9	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	930	A63	93	5.7.07	9	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	911	A65	94	5.7.07	9	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	1263	A49	102	7.7.07	1	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	1203	A57	105	7.7.07	3	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	1272	A53	106	7.7.07	4	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	1276	A53	106	7.7.07	4	ECM
Basidiomycota	Russulales	Russulaceae	*Russula persanguinea*	1277	A53	106	7.7.07	4	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 2	3686	A167	3	10.9.08	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 2	3687	A167	3	10.9.08	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 2	3286	A109	44	13.11.07	6	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 2	3287	A109	44	13.11.07	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 2	3288	A109	44	13.11.07	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 2	3220	A28	53	13.11.07	5	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 5	3112	A103	55	13.11.07	8	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 5	3113	A103	55	13.11.07	8	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 5	3346	A92	60	13.11.07	7	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 5	3347	A92	60	13.11.07	7	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 6	3076	A108	52	13.11.07	5	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 6	3077	A108	52	13.11.07	5	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 6	3078	A108	52	13.11.07	5	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 7	3698	A122	1	10.9.08	6	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 9	3650	A152	5	10.9.08	9	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 9	3651	A152	5	10.9.08	9	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 15	3612	A128	19	10.9.08	4	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 15	3616	A128	19	10.9.08	4	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 16	3654	A143	11	10.9.08	12	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 16	3655	A143	11	10.9.08	12	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 16	3656	A143	11	10.9.08	12	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 16	3658	A143	11	10.9.08	12	ECM
Basidiomycota	Russulales	Russulaceae	*Russula* sp. 17	3647	A169	17	10.9.08	11	ECM
Basidiomycota	Russulales	Russulaceae	Russulaceae	3066	A12	47	13.11.07	6	ECM
Basidiomycota	Russulales	Russulaceae	Russulaceae sp. 1	3701	A191	4	10.9.08	5	ECM
Basidiomycota	Russulales	Russulaceae	Russulaceae sp. 1	3702	A191	4	10.9.08	5	ECM
Basidiomycota	Russulales	Russulaceae	Russulaceae sp. 1	3703	A191	4	10.9.08	5	ECM
Basidiomycota	Russulales	Russulaceae	Russulaceae sp. 1	3704	A191	4	10.9.08	5	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 1	1242	A36	92	4.7.07	8	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 1	1243	A36	92	4.7.07	8	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 2	3023	A82	43	12.11.07	4	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 2	3024	A82	43	12.11.07	4	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 2	3025	A82	43	12.11.07	4	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 2	3027	A82	43	12.11.07	4	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 2	3123	A60	68	15.11.07	10	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 2	1212	A29	91	4.7.07	5	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 2	1214	A29	91	4.7.07	5	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 2	3032	A58	110	12.11.07	3	ECM
Basidiomycota	Sebacinales	Sebacinaceae	*Sebacina* sp. 3	3722	A60	26	12.10.08	10	ECM
Basidiomycota	Thelephorales	Thelephoraceae		3587	A181	25	12.10.08	10	ECM-F
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 1	3739	A13	14	10.9.08	3	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 1	3742	A13	14	10.9.08	3	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 1	3750	A13	14	10.9.08	3	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 2	3230	A140	75	15.11.07	11	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 4	1190	A71	100	6.7.07	11	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 5	3026	A82	43	12.11.07	4	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 5	3021	A82	43	12.11.07	4	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 5	3102	A150	64	15.11.07	9	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 5	3318	A62	69	15.11.07	10	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 5	3043	A148	62	15.11.07	9	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 6	3225	A146	73	15.11.07	12	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 6	1181	A45	87	3.7.07	2	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 6	1200	A27	90	4.7.07	5	ECM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 6	1275	A53	106	7.7.07	4	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	3241	A64	65	15.11.07	9	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	3245	A64	65	15.11.07	9	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	3500	A64	65	15.11.07	9	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	918	A65	94	5.7.07	9	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	1154	A3	95	5.7.07	10	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	1161	A3	95	5.7.07	10	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	1163	A3	95	5.7.07	10	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	1264	A49	102	7.7.07	1	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	3205	A60	111	15.11.07	10	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 7	3206	A60	111	15.11.07	10	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 8	3295	A55	20	12.11.07	4	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 8	3355	A88	31	12.11.07	1	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 8	1195	A47	85	3.7.07	1	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 9	3075	A108	52	13.11.07	5	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 10	3079	A108	52	13.11.07	5	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 11	3320	A62	69	15.11.07	10	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 12	3033	A58	110	12.11.07	3	ECM
Basidiomycota	Thelephorales	Thelephoraceae	Thelephoraceae sp. 13	1171	A5	99	6.7.07	12	ECM
Basidiomycota	Thelephorales	Thelephoraceae		3745	A13	14	10.9.08	3	ECM-F
Basidiomycota	Agaricales	Tricholomataceae	*Tricholoma* sp. 7	3222	A146	73	15.11.07	12	ECM
Basidiomycota	Agaricales	Tricholomataceae	*Tricholoma* sp. 7	3232	A140	75	15.11.07	11	ECM
Basidiomycota	Agaricales	Tricholomataceae	*Tricholoma* sp. 9	3199	A76	32	12.11.07	2	ECM
Anamorph			*Valsa cinereostroma* AY347377	3761	A56	16	10.9.08	3	nM

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
Anamorph			*Verticillium fungicola* var. *flavidum* AB112030	3737	A13	14	10.9.08	3	nM
Basidiomycota	Russulales	Russulaceae	*Zelleromyces*	3310	A90	58	13.11.07	7	ECM-G
Basidiomycota	Russulales	Russulaceae	*Zelleromyces*	1267	A49	102	7.7.07	1	ECM-G
Basidiomycota	Russulales	Russulaceae	*Zelleromyces*	1206	A57	105	7.7.07	3	ECM-G
Basidiomycota	Russulales	Russulaceae	*Zelleromyces* sp. 1	3627	A166	2	10.9.08	6	ECM
Basidiomycota	Russulales	Russulaceae	*Zelleromyces* sp. 1	3221	A28	53	13.11.07	5	ECM
Basidiomycota	Russulales	Russulaceae	*Zelleromyces* sp. 1	3312	A90	58	13.11.07	7	ECM
Basidiomycota	Russulales	Russulaceae	*Zelleromyces* sp. 3	3337	A87	28	12.11.07	1	ECM
Basidiomycota	Russulales	Russulaceae	*Zelleromyces* sp. 3	3338	A87	28	12.11.07	1	ECM
Basidiomycota	Russulales	Russulaceae	*Zelleromyces* sp. 3	3339	A87	28	12.11.07	1	ECM
Mucoromycotina			Mucoromycete sp.1	3109	A85	29	12.11.07	1	ECM
			Undet.	3683	A48	6	10.9.08	1	pS
			Undet.	3632	A88	7	10.9.08	1	pS
			Undet.	3669	A170	12	10.9.08	12	pS
			Undet.	3752	A13	14	10.9.08	3	F
			Undet.	3715	A175	18	10.9.08	11	pS
			Undet.	3614	A128	19	10.9.08	4	F
			Undet.	3641	A168	22	12.10.08	9	pS
			Undet.	3597	A147	23	12.10.08	9	pS
			Undet.	3129	A48	27	12.11.07	1	F
			Undet.	3130	A48	27	12.11.07	1	F
			Undet.	3133	A48	27	12.11.07	1	F
			Undet.	3368	A86	30	12.11.07	1	F
			Undet.	3367	A86	30	12.11.07	1	pS

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
			Undet.	2101	A76	32	12.11.07	2	F
			Undet.	3203	A76	32	12.11.07	2	F
			Undet.	3334	A78	34	12.11.07	2	pS
			Undet.	3283	A80	36	12.11.07	2	F
			Undet.	3034	A58	38	12.11.07	3	F
			Undet.	3171	A58	38	12.11.07	3	F
			Undet.	3172	A58	38	12.11.07	3	F
			Undet.	3173	A58	38	12.11.07	3	F
			Undet.	3174	A58	38	12.11.07	3	F
			Undet.	3298	A83	39	12.11.07	3	F
			Undet.	3300	A83	39	12.11.07	3	F
			Undet.	3304	A83	39	12.11.07	3	F
			Undet.	3307	A83	39	12.11.07	3	pS
			Undet.	3327	A52	40	12.11.07	4	F
			Undet.	3330	A52	40	12.11.07	4	F
			Undet.	3328	A52	40	12.11.07	4	pS
			Undet.	3071	A12	47	13.11.07	6	F
			Undet.	3072	A12	47	13.11.07	6	F
			Undet.	3094	A30	48	13.11.07	6	pS
			Undet.	3037	A105	49	13.11.07	5	pS
			Undet.	3154	A106	50	13.11.07	5	pS
			Undet.	3155	A106	50	13.11.07	5	pS
			Undet.	3148	A107	51	13.11.07	5	F
			Undet.	3219	A28	53	13.11.07	5	F
			Undet.	3120	A105	56	13.11.07	8	pS

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
			Undet.	3090	A24	57	13.11.07	7	F
			Undet.	3313	A90	58	13.11.07	7	F
			Undet.	3311	A90	58	13.11.07	7	pS
			Undet.	3059	A91	59	13.11.07	7	pS
			Undet.	3343	A92	60	13.11.07	7	pS
			Undet.	3044	A148	62	15.11.07	9	pS
			Undet.	3159	A149	63	15.11.07	9	F
			Undet.	3164	A149	63	15.11.07	9	F
			Undet.	3165	A149	63	15.11.07	9	F
			Undet.	3161	A149	63	15.11.07	9	pS
			Undet.	3166	A149	63	15.11.07	9	pS
			Undet.	3100	A150	64	15.11.07	9	F
			Undet.	3103	A150	64	15.11.07	9	F
			Undet.	3098	A150	64	15.11.07	9	pS
			Undet.	3099	A150	64	15.11.07	9	pS
			Undet.	3246	A64	65	15.11.07	9	F
			Undet.	3242	A64	65	15.11.07	9	pS
			Undet.	3243	A64	65	15.11.07	9	pS
			Undet.	3139	A3	66	15.11.07	10	F
			Undet.	3144	A3	66	15.11.07	10	F
			Undet.	3141	A3	66	15.11.07	10	pS
			Undet.	3143	A3	66	15.11.07	10	pS
			Undet.	3317	A62	69	15.11.07	10	F
			Undet.	3319	A62	69	15.11.07	10	F
			Undet.	3321	A62	69	15.11.07	10	F

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
			Undet.	3106	A144	71	15.11.07	12	F
			Undet.	3177	A145	72	15.11.07	12	F
			Undet.	3179	A145	72	15.11.07	12	pS
			Undet.	3226	A146	73	15.11.07	12	F
			Undet.	3227	A146	73	15.11.07	12	F
			Undet.	3256	A70	74	15.11.07	12	F
			Undet.	3231	A140	75	15.11.07	11	F
			Undet.	3275	A142	77	15.11.07	11	F
			Undet.	3278	A142	77	15.11.07	11	F
			Undet.	3273	A142	77	15.11.07	11	pS
			Undet.	3274	A142	77	15.11.07	11	pS
			Undet.	1177	A45	87	3.7.07	2	F
			Undet.	1180	A45	87	3.7.07	2	F
			Undet.	1232	A46	88	3.7.07	2	F
			Undet.	1233	A46	88	3.7.07	2	F
			Undet.	1234	A46	88	3.7.07	2	F
			Undet.	1236	A46	88	3.7.07	2	F
			Undet.	1237	A46	88	3.7.07	2	F
			Undet.	1210	A29	91	4.7.07	5	F
			Undet.	923	A63	93	5.7.07	9	F
			Undet.	924	A63	93	5.7.07	9	F
			Undet.	928	A63	93	5.7.07	9	pS
			Undet.	906	A65	94	5.7.07	9	F
			Undet.	907	A65	94	5.7.07	9	F
			Undet.	912	A65	94	5.7.07	9	F

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
			Undet.	913	A65	94	5.7.07	9	F
			Undet.	914	A65	94	5.7.07	9	F
			Undet.	915	A65	94	5.7.07	9	F
			Undet.	916	A65	94	5.7.07	9	F
			Undet.	919	A65	94	5.7.07	9	F
			Undet.	920	A65	94	5.7.07	9	F
			Undet.	1152	A3	95	5.7.07	10	F
			Undet.	1157	A3	95	5.7.07	10	pS
			Undet.	941	A60	96	5.7.07	10	F
			Undet.	946	A60	96	5.7.07	10	F
			Undet.	1186	A70	97	5.7.07	12	F
			Undet.	1166	A5	99	6.7.07	12	F
			Undet.	1168	A5	99	6.7.07	12	F
			Undet.	1169	A5	99	6.7.07	12	F
			Undet.	1170	A5	99	6.7.07	12	F
			Undet.	1172	A5	99	6.7.07	12	F
			Undet.	1174	A5	99	6.7.07	12	F
			Undet.	1175	A5	99	6.7.07	12	F
			Undet.	1173	A5	99	6.7.07	12	pS
			Undet.	1189	A71	100	6.7.07	11	F
			Undet.	1266	A49	102	7.7.07	1	F
			Undet.	1262	A49	102	7.7.07	1	pS
			Undet.	1265	A49	102	7.7.07	1	pS
			Undet.	1268	A49	102	7.7.07	1	pS
			Undet.	1252	A56	104	7.7.07	3	F

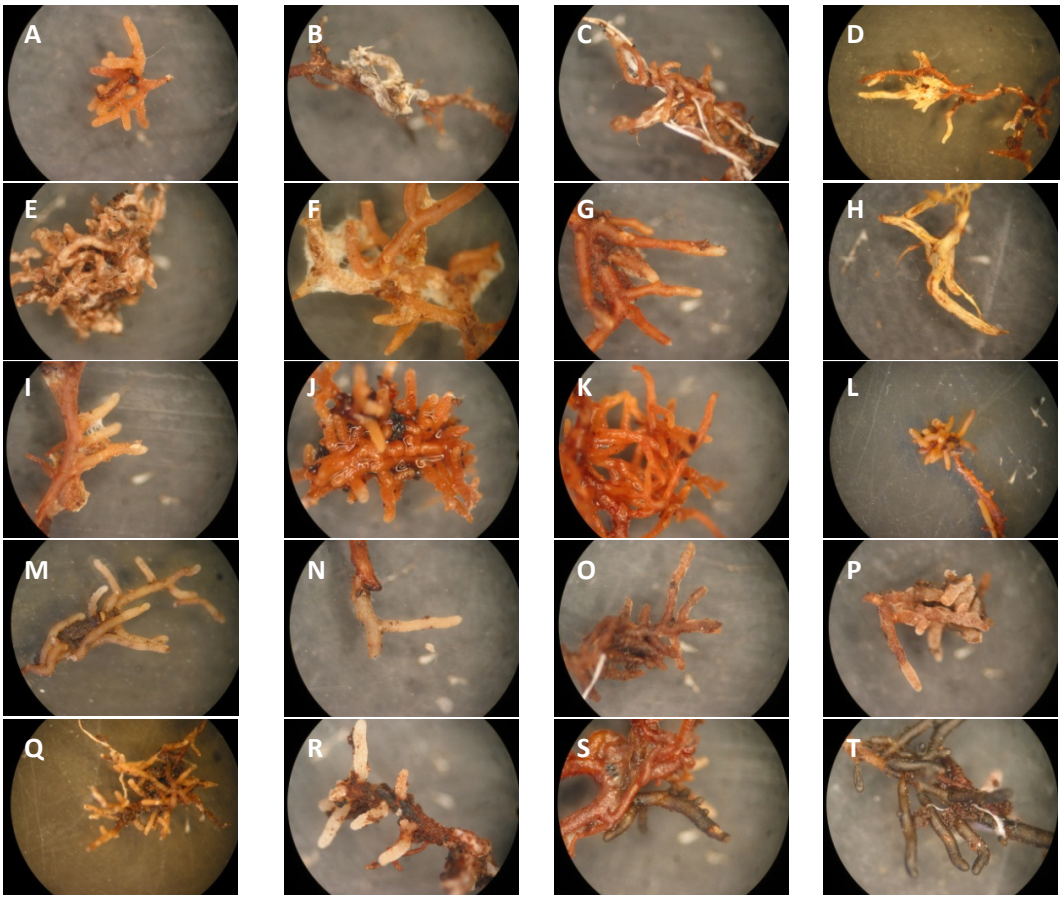
ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Phyla	Order	Family	OTU	DNA sample	Tree tag	Soil core	Collection date	Plot	Identified
			Undet.	1253	A56	104	7.7.07	3	F
			Undet.	1254	A56	104	7.7.07	3	F
			Undet.	1256	A56	104	7.7.07	3	F
			Undet.	1257	A56	104	7.7.07	3	F
			Undet.	1258	A56	104	7.7.07	3	F
			Undet.	1259	A56	104	7.7.07	3	F
			Undet.	1205	A57	105	7.7.07	3	F
			Undet.	1271	A53	106	7.7.07	4	F
			Undet.	1274	A53	106	7.7.07	4	pS
			Undet.	1284	A55	107	7.7.07	4	F
			Undet.	1222	A24	108	8.7.07	7	F
			Undet.	1224	A24	108	8.7.07	7	F
			Undet.	3211	A14	109	12.11.07	3	F

ECM = identified as ECM species, ECM-F = identified as ECM family, ECM-G = identified as ECM genus, F = DNA amplification failed, nM = sequenced and non-mycorrhizal, pS = poor quality sequence, Undet. = undetermined.

Appendix 21 Selection of photographs of ectomycorrhizal root tips sampled from *E. delegatensis* forest. Photographs were taken using a Canon Powershot S40 digital camera and Zeiss stemi 2000-C dissecting microscope with Zeiss KL500 electronic light. Below, the species name, unique sample number, plot number, date sampled and tree sampled from are given for each of the photographs.

Scale = 5mm



A. Ascomycete sp. 6, 3667, plot 12, 10/9/08, A170
B. Boletaceae sp. 6, 3746, plot 3, 10/9/08, A13
C. *Cortinarius* sp. 41, 3661, plot 12, 10/9/08, A170
D. *Cortinarius* sp. 40, 3042, plot 9, 15/11/07 A148
E. *Cortinarius* sp. 63, 3605, plot 12, 10/9/08, A5
F. *Cortinarius* sp. 56, 3749, plot 3, 10/9/08, A13
G. *Cortinarius* sp. 58, 3756, plot 3, 10/9/08, A14
H. *Dermocybe* sp. 8, 3586, plot 10, 12/10/08, A181
I. Fungal sp. 3, 3744, plot 3, 10/9/08, A13
J. Fungal sp. 7, 3639, plot 10, 10/12/08, A168
K. Helotiales sp. 4, 3694, plot 4, 10/9/08, A52
L. *Laccaria* sp. 1, 3088, plot 7, 13/11/07, A24
M. *Laccaria* sp. 2, 3058, plot 7, 13/11/07, A91
N. *Russula persanguinea*, 3716, plot 11, 10/9/08, A175
O. *Russula* sp. 2, 3688, plot 6, 10/9/08, A167
P. Russulaceae sp. 1, 3701, plot 5, 10/9/08, A191
Q. *Russula* sp. 6, 3078, plot 5, 13/11/07, A108
R. *Russula* sp. 9, 3650, plot 9, 10/9/08, A152
S. Thelephoraceae sp. 1, 3750, plot 3, 10/9/08, A13
T. Thelephoraceae sp. 1, 3742, plot 3, 10/9/08, A13.

Appendix 22 List of all sporocarp samples collected from *E. delegatensis* forest. Level of identification is shown, and when not identified, the reason is given. C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

A22.1 Ascomycota sporocarp samples

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Elaphomycetales	Elaphomycetaceae	*Elaphomyces* sp. 1	T1174	3447	6/05/2008	9	Hypogeous	OTU
Elaphomycetales	Elaphomycetaceae	*Elaphomyces* sp. 1	T566	1613	15/05/2007	3	Hypogeous	OTU
Helotiales	Helotiaceae	*Bisporella* sp.	T894	n/a	16/06/2007	11	Epigeous	nM
Helotiales	Leotiaceae	*Leotia* sp.	T468	967	13/05/2007	7	Epigeous	nM
Helotiales	Leotiaceae	*Leotia* sp.	T842	2061	16/06/2007	9	Epigeous	nM
Helotiales	Leotiaceae	*Leotia* sp.	T675	1738	25/05/2007	2	Epigeous	nM
Helotiales	Leotiaceae	*Leotia* sp.	T954	n/a	18/06/2007	3	Epigeous	nM
Helotiales		Helotiales sp. 6	T776	2008	16/06/2007	10	Epigeous	OTU
Pezizales		Pezizales sp. 2	T1034	2153	19/06/2007	6	Epigeous	OTU
Pezizales		Pezizales sp. 2	T999	2142	19/06/2007	5	Epigeous	OTU
		Ascomycete sp. 2	T558	1527	13/05/2007	8	Epigeous	OTU
		Ascomycete sp. 2	T626	1646	17/05/2007	9	Epigeous	OTU
		Ascomycete sp. 2	T928	2114	18/06/2007	1	Epigeous	OTU
		Ascomycete sp. 9	T1031	no	19/06/2007	6	Epigeous	OTU
		Ascomycete sp. 9	T985	no	19/06/2007	5	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
		Ascomycete sp. 9	T1021	no	20/06/2007	7	Epigeous	OTU
		Ascomycete sp. 9	T957	2125	18/06/2007	3	Epigeous	OTU
		Ascomycete sp. 31	T544	1569	14/05/2007	6	Hypogeous	OTU
		Ascomycete sp. 31	T1102	3000	12/11/2007	2	Hypogeous	OTU
		Ascomycete sp. 31	T1041	2165	19/06/2007	6	Hypogeous	OTU

A22.2 Basidiomycota sporocarp samples

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Anamorph		*Paecilomyces* sp.	T1028	n/a	19/06/2007	6	Epigeous	nM
Agaricales	Agaricaceae	Agaricaceae sp.	T642	1633	17/05/2007	10	Epigeous	nM
Agaricales	Agaricaceae	Agaricaceae sp.	T654	1730	25/05/2007	2	Epigeous	nM
Agaricales	Agaricaceae	*Leucoagaricus infuscatus* EU141943	T1240	3522	8/05/2008	3	Epigeous	SnM
Agaricales	Agaricaceae	*Leucoagaricus rubrotinctus* FJ481050	T1224	3500	8/05/2008	5	Epigeous	SnM
Agaricales	Agaricaceae	*Leucoagaricus serenus* AY176420	T1239	3521	8/05/2008	3	Epigeous	SnM
Agaricales	Amanitaceae	*Amanita* sp.	T1229	3507	8/05/2008	6	Epigeous	ID
Agaricales	Amanitaceae	*Amanita* sp.	T1169	3441	6/05/2008	9	Epigeous	ID

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Amanitaceae	*Amanita* sp.	T1157	3429	6/05/2008	10	Epigeous	ID
Agaricales	Amanitaceae	*Amanita* sp.	T1241	3523	8/05/2008	1	Epigeous	ID
Agaricales	Amanitaceae	*Amanita* sp. 1	E8711	860	23/03/2007	3	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 2	T1153	3424	12/02/2008	4	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 3	T1156	3428	13/03/2008	9	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 3	T1141	3405	12/02/2008	1	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 3	T1130	3387	12/02/2008	1	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 3	T583	1601	15/05/2007	1	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 3	T1129	3386	12/02/2008	1	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 3	T574	1621	15/05/2007	3	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 3	T1145	3409	12/02/2008	4	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 3	T1146	3411	12/02/2008	4	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 3	T1147	3413	12/02/2008	4	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 4	T1119	3377	20/11/2007	11	Epigeous	OTU
Agaricales	Amanitaceae	*Amanita* sp. 5	T1152	3422	12/02/2008	4	Epigeous	OTU
Agaricales	Amlocorticiaceae	*Amyloathelia crassiuscula*	T888	2098	16/06/2007	11	Resupinate	SnM
Agaricales	Amylocorticiaceae	*Podoserpula* sp.	T794	2023	16/06/2007	12	Epigeous	nM
Agaricales	Amylocorticiaceae	*Podoserpula* sp.	T886	n/a	16/06/2007	11	Epigeous	nM
Agaricales	Bolbitiaceae	*Alnicola* sp. 1	T826	2047	16/06/2007	12	Epigeous	OTU
Agaricales	Bolbitiaceae	*Setchelliogaster* sp. 1	T665	1717	25/05/2007	2	Hypogeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 1	T1033	2150	19/06/2007	6	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 2	T505	1516	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 5	T897	2106	16/06/2007	11	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	Cortinariaceae sp. 6	T525	1538	14/05/2007	5	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 7	T755	2012	16/06/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 8	T870	2079	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 8	T1243	3525	8/05/2008	1	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 8	T1061	2218	21/06/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 8	T1058	2222	21/06/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 10	T1001	no	19/06/2007	6	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 10	T462	961	13/05/2007	7	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 10	T1291	3572	26/06/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 13	T721	1700	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 53	T622	1651	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 68	T1265	3547	24/06/2008	3	Epigeous	OTU
Agaricales	Cortinariaceae	Cortinariaceae sp. 68	T1171	3443	6/05/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *ardesiacus*	T756	2000	16/06/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *ardesiacus*	T607	1576	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *australis*	T548	1532	13/05/2007	8	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *australis*	T552	1534	13/05/2007	8	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *australis*	T623	1650	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *australis*	T641	1632	17/05/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *australis*	T682	1713	25/05/2007	2	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *australis*	T493	991	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *cannarius*	T485	982	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *cannarius*	T792	2026	16/06/2007	12	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Cortinarius* aff. *cannarius*	T600	1594	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *cannarius*	T889	2100	16/06/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *cannarius*	T892	2102	16/06/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *fragilis*	T1166	3438	6/05/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *infractus*	T628	1641	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *infractus*	T613	1579	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *persicanus*	T457	956	13/05/2007	8	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *persicanus*	T452	951	13/05/2007	7	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T624	1645	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T845	2057	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T640	1631	17/05/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T748	2029	16/06/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T761	2028	16/06/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T684	1721	25/05/2007	2	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T506	1503	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T804	2035	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T572	1618	15/05/2007	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T951	2133	18/06/2007	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T605	1580	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T713	1687	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T714	1686	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *rotundisporus*	T709	1691	25/05/2007	4	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum*	T647	1629	17/05/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum*	T1275	3557	24/06/2008	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum*	T589	1611	15/05/2007	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum*	T681	1724	25/05/2007	2	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum*	T1267	3549	24/06/2008	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum*	T958	2128	18/06/2007	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum*	T699	1680	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *sclerophyllarum*	T726	1701	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *submagellanicus*	T535	1554	14/05/2007	6	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *submagellanicus*	T520	1542	14/05/2007	5	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *submagellanicus*	T453	952	13/05/2007	7	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *submagellanicus*	T648	1630	17/05/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *submagellanicus*	T612	1578	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *submagellanicus*	T591	1589	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *submagellanicus*	T472	971	13/05/2007	7	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *submagellanicus*	T1184	3460	6/05/2008	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T1294	3575	26/06/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T631	1642	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T844	2055	16/06/2007	9	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T853	2054	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T921	2111	18/06/2007	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T575	1622	15/05/2007	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T952	2132	18/06/2007	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T961	2129	18/06/2007	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T1059	2223	21/06/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T702	1663	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T706	1695	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *tasmacamphoratus*	T716	1682	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *walkeri*	T528	1544	14/05/2007	5	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* aff. *walkeri*	T791	2022	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp.	T534	1557	14/05/2007	6	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T540	1570	14/05/2007	6	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T1225	3501	8/05/2008	5	Epigeous	ID

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Cortinarius* sp.	T879	2071	16/06/2007	9	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T1261	3543	24/06/2008	2	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T1236	3518	8/05/2008	2	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T510	1509	16/05/2007	12	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T1179	3453	6/05/2008	12	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T513	1505	16/05/2007	12	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T956	2135	18/06/2007	3	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T1190	3466	5/05/2008	11	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp.	T1302	3583	26/06/2008	11	Epigeous	ID
Agaricales	Cortinariaceae	*Cortinarius* sp. 1	T1159	3431	6/05/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 1	T847	2063	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 1	T851	2058	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 1	T636	1652	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 3	T730	1688	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 4	T1035	2166	19/06/2007	6	Hypogeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 4	T1094	2172	20/06/2007	8	Hypogeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 5	T480	987	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 5	T481	979	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 5	T507	1502	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 5	T1196	3472	5/05/2008	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 5	T891	2101	16/06/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 6	T871	2072	16/06/2007	9	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Cortinarius* sp. 7	T1283	3565	26/06/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 7	T635	1656	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 7	T811	2030	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 8	T738	1668	25/05/2007	4	Hypogeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 9	T1206	3483	5/05/2008	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 12	T1289	3570	24/06/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 12	T1279	3561	26/06/2008	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 13	T798	2020	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 13	T1202	3479	5/05/2008	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 13	T614	1572	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 14	T1149	3417	12/02/2008	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 15	T856	2077	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 15	T619	1639	17/05/2007	9	epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 15	T854	2073	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 15	T1163	3435	6/05/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 15	T1170	3442	6/05/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 16	T587	1608	15/05/2007	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 17	T872	2070	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 17		2136	18/06/2007	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 17	T1069	2213	21/06/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 17	T715	1683	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 17	T717	1705	25/05/2007	4	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Cortinarius* sp. 18	T495	1511	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 18	T806	2031	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 18	T812	2036	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 18	T1298	3579	26/06/2008	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 18	T700	1681	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 19	T483	988	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 20	T451	950	13/05/2007	7	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 20	T463	962	13/05/2007	7	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 22	T909	2088	16/06/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 24	T456	955	13/05/2007	8	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 25	T979	2140	19/06/2007	5	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 30	T634	1653	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 31	T1195	3471	5/05/2008	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 32	T594	1588	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 33	T773	2009	16/06/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 33	T1068	2212	21/06/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 33	T710	1694	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 34	T876	2067	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 35	T1054	2196	20/06/2007	7	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 35	T848	2062	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 36	T501	1508	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 37	T1192	3468	5/05/2008	11	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Cortinarius* sp. 38	T1183	3459	6/05/2008	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 39	T765	2016	16/06/2007	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 40	T571	1619	15/05/2007	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 41	T926	2120	18/06/2007	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 41	T789	2021	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 43	T512	1501	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 44	T1296	3577	26/06/2008	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 45	T727	1707	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 46	T930	2121	18/06/2007	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 46	T586	1609	15/05/2007	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 46	T824	2041	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 46	T701	1679	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 48	T1277	3559	26/06/2008	10	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 49	T1219	3496	8/05/2008	8	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 50	T797	2025	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 51	T1204	3481	5/05/2008	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 52	T630	1643	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 52	T855	2078	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 53	T1090	2185	20/06/2007	8	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 54	T1172	3445	6/05/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 55	T536	1564	14/05/2007	6	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 56	T1115	3015	15/11/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 56	T1105	3004	12/11/2007	3	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Cortinarius* sp. 58	T817	2043	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 59	T827	2046	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 60	T1244	3526	8/05/2008	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 62	T1078	2207	21/06/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 62	T724	1697	25/05/2007	4	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 63	T983	2139	19/06/2007	5	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 63	T486	984	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 63	T508	1500	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 64	T831	2053	16/06/2007	12	Hypogeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 64	T616	1597	17/05/2007	11	Hypogeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 64	T833	2052	16/06/2007	11	Hypogeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 65	T621	1649	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 66	T1165	3437	6/05/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 66	T627	1647	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 66	T849	2059	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 66	T873	2069	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 67	T941	2124	18/06/2007	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 68	T878	2068	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 69	T596	1583	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 70	T1284	3566	24/06/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 70	T1273	3555	24/06/2008	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 70	T1270	3552	24/06/2008	3	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 72	T1292	3573	26/06/2008	9	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Cortinarius* sp. 72	T629	1644	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 72	T925	2113	18/06/2007	1	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 74	T1114	3014	15/11/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 78	T469	968	13/05/2007	7	Epigeous	OTU
Agaricales	Cortinariaceae	*Cortinarius* sp. 78	T547	2074	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* aff. *globuliformis*	T813	2048	16/06/2007	12	Hypogeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* aff. *globuliformis*	T1107	3006	12/11/2007	3	Hypogeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* aff. *globuliformis*	T1187	3463	5/05/2008	11	Hypogeous	OTU
Agaricales	Cortinariaceae	*Dermocybe kula*	T787	2017	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe kula*	T1193	3469	5/05/2008	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe kula*	T603	1582	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp.	T949	2118	18/06/2007	1	Epigeous	ID
Agaricales	Cortinariaceae	*Dermocybe* sp.	T1122	no		2	Epigeous	ID
Agaricales	Cortinariaceae	*Dermocybe* sp. 1	T527	1539	14/05/2007	5	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 1	T1200	3476	5/05/2008	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 1	T1231	3509	8/05/2008	6	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 1	T533	1553	14/05/2007	6	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 2	T1160	3432	6/05/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 2	T1287	3569	26/06/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 3	T1203	3480	5/05/2008	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 4	T518	1545	14/05/2007	5	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 4	T981	2141	19/06/2007	5	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 4	T551	1533	13/05/2007	8	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae	*Dermocybe* sp. 4	T464	963	13/05/2007	7	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 4	T807	2032	16/06/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 4	T595	1584	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 4	T610	1571	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 4	T514	1506	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 5	T1158	3430	6/05/2008	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 5	T632	1655	17/05/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 5	T490	998	16/05/2007	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 5	T1180	3456	6/05/2008	12	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 6	T608	1574	17/05/2007	11	Epigeous	OTU
Agaricales	Cortinariaceae	*Dermocybe* sp. 7	T857	2076	16/06/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Descolea recedens*	T1115	3315	15/11/2007	9	Epigeous	OTU
Agaricales	Cortinariaceae	*Descomyces* aff. *albus*	T1039	2163	19/06/2007	6	Hypogeous	OTU
Agaricales	Cortinariaceae	*Descomyces* aff. *albus*	T1252	3534	24/06/2008	8	Hypogeous	OTU
Agaricales	Cortinariaceae		T1030	2157	19/06/2007	6	Epigeous	ID
Agaricales	Cortinariaceae		T530	1552	14/05/2007	6	Epigeous	ID
Agaricales	Cortinariaceae		T473	972	13/05/2007	7	Epigeous	ID
Agaricales	Cortinariaceae		T1164	3436	6/05/2008	9	Epigeous	ID
Agaricales	Cortinariaceae		T617	1368	17/05/2007	9	Epigeous	ID
Agaricales	Cortinariaceae		T620	1640	17/05/2007	9	Epigeous	ID
Agaricales	Cortinariaceae		T747	2006	16/06/2007	10	Epigeous	ID
Agaricales	Cortinariaceae		T619	1369	17/05/2007	12	Epigeous	ID
Agaricales	Cortinariaceae		T793	2019	16/06/2007	12	Epigeous	ID

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Cortinariaceae		T609	1575	17/05/2007	11	Epigeous	ID
Agaricales	Cortinariaceae		T598	1587	17/05/2007	11	Epigeous	ID
Agaricales	Cortinariaceae		T611	1577	17/05/2007	11	Epigeous	ID
Agaricales	Cortinariaceae		T599	1585	17/05/2007	11	Hypogeous	ID
Agaricales	Entolomataceae	*Entoloma* sp.	T935	no	18/06/2007	1	Epigeous	ID
Agaricales	Entolomataceae	*Entoloma* sp.	T498	989	16/05/2007	12	Epigeous	ID
Agaricales	Entolomataceae	*Entoloma* sp.	T573	1616	15/05/2007	3	Epigeous	ID
Agaricales	Entolomataceae	*Entoloma* sp.	T1065	2221	21/06/2007	4	Epigeous	ID
Agaricales	Entolomataceae	*Entoloma* sp. 1	T503	995	16/05/2007	12	Epigeous	OTU
Agaricales	Entolomataceae	*Entoloma* sp. 2	T1101	3001	12/11/2007	2	Epigeous	OTU
Agaricales	Entolomataceae	*Entoloma* sp. 3	T549	1535	13/05/2007	8	Epigeous	OTU
Agaricales	Entolomataceae	Entolomataceae sp. 1	T907	2104	16/06/2007	11	Epigeous	OTU
Agaricales	Entolomataceae	Entolomataceae sp. 2	T1073	2215	21/06/2007	4	Epigeous	OTU
Agaricales	Entolomataceae	*Rhodocybe truncata* EF421110	T929	2117	18/06/2007	1	Epigeous	SnM
Agaricales	Entolomataceae	*Rhodocybe truncata* EF421110	T1151	3421	12/02/2008	4	Epigeous	SnM
Agaricales	Hydnangiaceae	*Laccaria* sp.	T1026	2156	19/06/2007	6	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp.	T1228	3506	8/05/2008	6	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp.	T975	2138	19/06/2007	5	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp.	T466	965	13/05/2007	7	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp.	T618	1367	17/05/2007	9	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp.	T920	2108	18/06/2007	1	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp.	T671	1740	25/05/2007	2	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp.	T1181	3457	6/05/2008	12	Epigeous	ID

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Hydnangiaceae	*Laccaria* sp.	T499	993	16/05/2007	12	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp.	T825	2042	16/06/2007	12	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp.	T733	1710	25/05/2007	4	Epigeous	ID
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1111	3011	13/11/2007	6	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1248	3530	24/06/2008	7	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1108	3008	13/11/2007	7	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1168	3440	6/05/2008	9	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1242	3524	8/05/2008	1	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1012	2193	21/06/2007	2	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1138	3402	12/02/2008	2	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1237	3519	8/05/2008	2	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T492	997	16/05/2007	12	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T823	2044	16/06/2007	12	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1238	3520	8/05/2008	3	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1194	3470	5/05/2008	11	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1263	3545	24/06/2008	4	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 1	T1198	3474	5/05/2008	11	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 3	T1281	3563	26/06/2008	10	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 3	T758	2013	16/06/2007	10	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 4	T757	2027	16/06/2007	10	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 4	T672	1741	25/05/2007	2	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 4	T673	1742	25/05/2007	2	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 4	T1272	3554	24/06/2008	3	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Hydnangiaceae	*Laccaria* sp. 4	T953	2131	18/06/2007	3	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 4	T732	1708	25/05/2007	4	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 4	T734	1709	25/05/2007	4	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T1256	3538	24/06/2008	6	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T531	1556	14/05/2007	6	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T524	1548	14/05/2007	5	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T1220	3497	8/05/2008	5	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T1218	3495	8/05/2008	8	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T1091	2187	20/06/2007	8	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T550	1537	13/05/2007	8	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T1207	3484	8/05/2008	7	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T1045	2204	20/06/2007	7	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T1276	3558	24/06/2008	1	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T581	1610	15/05/2007	1	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T1197	3473	5/05/2008	11	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T604	1581	17/05/2007	11	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T896	2089	16/06/2007	11	Epigeous	OTU
Agaricales	Hydnangiaceae	*Laccaria* sp. 5	T1064	2217	21/06/2007	4	Epigeous	OTU
Agaricales	Hygrophoraceae	*Hygrocybe* sp.	T553	1531	13/05/2007	8	Epigeous	nM
Agaricales	Hygrophoraceae	*Hygrocybe* sp.	T1087	n/a	20/06/2007	8	Epigeous	nM
Agaricales	Hygrophoraceae	*Hygrocybe* sp.	T1088	n/a	20/06/2007	8	Epigeous	nM
Agaricales	Hygrophoraceae	*Hygrocybe* sp.	T1089	n/a	20/06/2007	8	Epigeous	nM
Agaricales	Hygrophoraceae	*Hygrocybe* sp.	T668	1727	25/05/2007	2	Epigeous	nM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Hygrophoraceae	*Hygrocybe* sp.	T912	n/a	16/06/2007	11	Epigeous	nM
Agaricales	Hygrophoraceae	*Hygrocybe* sp.	T1071	n/a	21/06/2007	4	Epigeous	nM
Agaricales	Inocybaceae	*Crepidotus* sp.	T795	n/a	16/06/2007	12	Epigeous	nM
Agaricales	Inocybaceae	*Crepidotus* sp.	T970	n/a	18/06/2007	3	Epigeous	nM
Agaricales	Inocybaceae	*Crepidotus* sp.	T687	1750	25/05/2007	2	Epigeous	nM
Agaricales	Inocybaceae	Inocybaceae sp. 1	T526	1555	14/05/2007	5	Epigeous	OTU
Agaricales	Inocybaceae	*Inocybe* sp.	T588	1603	15/05/2007	1	Epigeous	ID
Agaricales	Inocybaceae	*Inocybe* sp.	T1268	3550	24/06/2008	3	Epigeous	ID
Agaricales	Inocybaceae	*Inocybe* sp. 5	T1134	3395	12/02/2008	3	Epigeous	OTU
Agaricales	Inocybaceae	*Inocybe* sp. 6	T1300	3581	26/06/2008	11	Epigeous	OTU
Agaricales	Inocybaceae	*Tubaria* sp. 1	T903	2107	16/06/2007	11	Epigeous	OTU
Agaricales	Inocybaceae		T1161	3433	6/05/2008	9	Epigeous	ID
Agaricales	Lycoperdaceae	*Lycoperdon* sp. 1	T1255	3537	24/06/2008	5	Epigeous	OTU
Agaricales	Marasmiaceae	*Marasmiellus* sp.	T688	1751	25/05/2007	2	Epigeous	nM
Agaricales	Marasmiaceae	*Marasmius* sp.	T1020	n/a	20/06/2007	7	Epigeous	nM
Agaricales	Marasmiaceae	*Rhodocollybia butyracea* AF505750	T491	999	16/05/2007	12	Epigeous	SnM
Agaricales	Marasmiaceae	*Rhodocollybia butyracea* AY313293	T1216	3493	8/05/2008	8	Epigeous	SnM
Agaricales	Marasmiaceae	*Rhodocollybia butyracea* EU486454	T946	2116	18/06/2007	3	Epigeous	SnM
Agaricales	Marasmiaceae	*Rhodocollybia butyracea* EU486454	T1072	2216	21/06/2007	4	Epigeous	SnM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Mycenaceae	*Mycena* aff. *pura* DQ490643	T770	2011	16/06/2007	10	Epigeous	SnM
Agaricales	Mycenaceae	*Mycena monticola* EU681182	T751	2003	16/06/2007	10	Epigeous	SnM
Agaricales	Mycenaceae	*Mycena* sp.	T1006	n/a	19/06/2007	6	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T1000	n/a	19/06/2007	6	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T1003	n/a	19/06/2007	6	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T973	n/a	19/06/2007	5	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T974	n/a	19/06/2007	5	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T977	n/a	19/06/2007	5	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T988	n/a	19/06/2007	5	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T1083	n/a	20/06/2007	8	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T1050	n/a	20/06/2007	7	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T840	n/a	16/06/2007	9	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T874	n/a	16/06/2007	9	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T875	n/a	16/06/2007	9	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T750	2002	16/06/2007	10	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T772	2005	16/06/2007	10	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T754	n/a	16/06/2007	10	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T763	n/a	16/06/2007	10	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T767	n/a	16/06/2007	10	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T768	n/a	16/06/2008	10	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T906	n/a	16/06/2007	1	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T916	n/a	18/06/2007	1	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T919	n/a	18/06/2007	1	Epigeous	nM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Mycenaceae	*Mycena* sp.	T923	n/a	18/06/2007	1	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T933	n/a	18/06/2007	1	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T1015	n/a	21/06/2007	2	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T1016	n/a	21/06/2007	2	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T788	n/a	16/06/2007	12	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T802	n/a	16/06/2007	12	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T815	n/a	16/06/2007	12	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T943	n/a	18/06/2007	3	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T882	n/a	16/06/2007	11	Epigeous	nM
Agaricales	Mycenaceae	*Mycena* sp.	T885	n/a	16/06/2007	11	Epigeous	nM
Agaricales	Physalacriaceae	*Armillaria hinnulea* AF394918	T962	2126	18/06/2007	3	Epigeous	SnM
Agaricales	Pleurotaceae	*Pleurotus* sp.	T1063	n/a	21/06/2007	4	Epigeous	SnM
Agaricales	Psathyrellaceae	*Psathyrella cotonea* AM712283	T653	1711	25/05/2007	2	Epigeous	SnM
Agaricales	Psathyrellaceae	*Psathyrella rostellata* AM712246	T582	1607	15/05/2007	1	Epigeous	SnM
Agaricales	Psathyrellaceae	*Psathyrella* sp.	T900	n/a	16/06/2007	11	Epigeous	SnM
Agaricales	Strophariaceae	*Galerina marginata* AF501564	T1211	3488	8/05/2008	7	Epigeous	SnM
Agaricales	Strophariaceae	*Galerina marginata* AF501564	T1176	3450	6/05/2008	9	Epigeous	SnM
Agaricales	Strophariaceae	*Galerina marginata* AY228347	T1057	2197	20/06/2007	7	Epigeous	SnM
Agaricales	Strophariaceae	*Galerina* sp.	T661	1725	25/05/2007	2	Epigeous	SnM
Agaricales	Strophariaceae	*Gymnopilus ferruginosus* AF501547	T521	1543	14/05/2007	5	Epigeous	SnM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Strophariaceae	*Gymnopilus ferruginosus* AF501547	T1092	2180	20/06/2007	8	Epigeous	SnM
Agaricales	Strophariaceae	*Gymnopilus ferruginosus* AF501547	T1053	2200	20/06/2007	7	Epigeous	SnM
Agaricales	Strophariaceae	*Gymnopilus ferruginosus* AF501547	T669	1729	25/05/2007	2	Epigeous	SnM
Agaricales	Strophariaceae	*Gymnopilus ferruginosus* AF501547	T1186	3462	6/05/2008	12	Epigeous	SnM
Agaricales	Strophariaceae	*Gymnopilus ferruginosus* AF501547	T895	2095	16/06/2007	11	Epigeous	SnM
Agaricales	Strophariaceae	*Gymnopilus ferruginosus* AF501547	T904	2105	16/06/2007	11	Epigeous	SnM
Agaricales	Strophariaceae	*Gymnopilus tyallus* AF501562	T819	2045	16/06/2007	12	Epigeous	SnM
Agaricales	Strophariaceae	*Gymnopilus* sp.	T927	n/a	18/06/2007	1	Epigeous	nM
Agaricales	Strophariaceae	*Gymnopus earleae* DQ480094	T1116	3016	15/11/2007	10	Epigeous	SnM
Agaricales	Strophariaceae	*Gymnopus earleae* DQ480094	T1117	3017	15/11/2007	10	Epigeous	SnM
Agaricales	Strophariaceae	*Hypholoma fasciculare* EU486442	T711	1685	25/05/2007	4	Epigeous	SnM
Agaricales	Strophariaceae	*Hypholoma fasciculare* AM504126	T712	1684	25/05/2007	4	Epigeous	SnM
Agaricales	Strophariaceae	*Hypholoma fasciculare* EU486442	T685	1728	25/05/2007	2	Epigeous	SnM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Strophariaceae	*Hypholoma fasciculare* EU486442	T1055	2194	20/06/2007	7	Epigeous	SnM
Agaricales	Strophariaceae	*Hypholoma fasciculare* EU486442	T1017	2191	21/06/2007	2	Epigeous	SnM
Agaricales	Strophariaceae	*Hypholoma fasciculare* FJ481034	T692	1747	25/05/2007	2	Epigeous	SnM
Agaricales	Strophariaceae	*Hypholoma* sp. AF335450	T1173	3446	6/05/2008	9	Epigeous	SnM
Agaricales	Strophariaceae	*Hypholoma* sp.	T686	1744	25/05/2007	2	Epigeous	nM
Agaricales	Strophariaceae	*Hypholoma* sp.	T500	990	16/05/2007	12	Epigeous	nM
Agaricales	Strophariaceae	*Hypholoma* sp.	T899	no	16/06/2007	11	Epigeous	nM
Agaricales	Strophariaceae	*Hypholoma* sp.	T1070	n/a	21/06/2007	4	Epigeous	nM
Agaricales	Strophariaceae	*Hypholoma* sp.	T576	n/a	16/06/2007	9	Epigeous	nM
Agaricales	Strophariaceae	*Nivatogastrium nubigenum* DQ494679	T947	2110	18/06/2007	3	Epigeous	SnM
Agaricales	Strophariaceae	*Nivatogastrium nubigenum* DQ494679	T1233	3511	8/05/2008	6	Epigeous	SnM
Agaricales	Strophariaceae	*Pholiota lenta* AY281022	T911	2091	16/06/2007	11	Epigeous	SnM
Agaricales	Strophariaceae	*Pholiota* sp.	T839	n/a	16/06/2007	9	Epigeous	nM
Agaricales	Strophariaceae	*Pholiota* sp.	T914	n/a	18/06/2007	1	Epigeous	nM
Agaricales	Strophariaceae	*Pholiota* sp.	T1013	n/a	21/06/2007	2	Epigeous	nM
Agaricales	Strophariaceae	*Stropharia ambigua* AY818350	T519	1549	14/05/2007	5	Epigeous	SnM
Agaricales	Strophariaceae	*Stropharia* sp.	T1005	no	19/06/2007	6	Epigeous	nM
Agaricales	Tricholomataceae	*Collybia cirrhata* AF274382	T814	2034	16/06/2007	12	Epigeous	SnM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales	Tricholomataceae	*Collybia* sp.	T1004	n/a	19/06/2007	6	Epigeous	nM
Agaricales	Tricholomataceae	*Collybia* sp.	T980	n/a	19/06/2007	5	Epigeous	nM
Agaricales	Tricholomataceae	*Collybia* sp.	T843	n/a	16/06/2007	9	Epigeous	nM
Agaricales	Tricholomataceae	*Collybia* sp.	T771	2004	16/06/2007	10	Epigeous	nM
Agaricales	Tricholomataceae	*Collybia* sp.	T915	n/a	18/06/2007	1	Epigeous	nM
Agaricales	Tricholomataceae	*Collybia* sp.	T924	n/a	18/06/2007	1	Epigeous	nM
Agaricales	Tricholomataceae	*Collybia* sp.	T494	996	16/05/2007	12	Epigeous	nM
Agaricales	Tricholomataceae	*Collybia* sp.	T944	n/a	18/06/2007	3	Epigeous	nM
Agaricales	Tricholomataceae	*Collybia* sp.	T884	n/a	16/06/2007	11	Epigeous	nM
Agaricales	Tricholomataceae	*Omphalina* sp.	T841	2060	16/06/2007	9	Epigeous	nM
Agaricales	Tricholomataceae	*Omphalina* sp.	T917	n/a	18/06/2007	1	Epigeous	nM
Agaricales	Tricholomataceae	*Tricholoma* sp. 1	T1162	3434	6/05/2008	9	Epigeous	OTU
Agaricales	Tricholomataceae	*Tricholoma* sp. 2	T1285	3567	26/06/2008	9	Epigeous	OTU
Agaricales	Tricholomataceae	*Tricholoma* sp. 3	T934	2115	18/06/2007	1	Epigeous	OTU
Agaricales	Tricholomataceae	*Tricholoma* sp. 5	T624	1645	17/05/2007	9	epigeous	OTU
Agaricales	Tricholomataceae	*Tricholoma* sp. 5	T1191	3467	5/05/2008	11	Epigeous	OTU
Agaricales	Tricholomataceae	*Tricholoma* sp. 6	T489	994	16/05/2007	12	Epigeous	OTU
Agaricales	Tricholomataceae	*Tricholoma* sp. 8	T822	2039	16/06/2007	12	Epigeous	OTU
Agaricales	Tricholomataceae	*Tricholoma* sp. 10	T728	1706	25/05/2007	4	Epigeous	OTU
Agaricales	Tricholomataceae		T1257	3539	24/06/2008	6	Epigeous	ID
Agaricales	Tricholomataceae		T606	1573	17/05/2007	11	Epigeous	ID
Agaricales	Strophariaceae	*Hypholoma fasciculare*	T1062	2219	21/06/2007	4	Epigeous	SnM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Agaricales		Agaricales sp. 1	T905	2103	16/06/2007	11	Epigeous	OTU
Agaricales		Agaricales sp. 2	T929	2117	18/06/2007	1	Epigeous	OTU
Agaricales		Agaricales sp. 2	T1151	3421	12/02/2008	4	Epigeous	OTU
Agaricales		Agaricales sp. 4	T1101	3301B	12/11/2007	2	Epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 2	E8707	856	23/03/2007	3	epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 2	T1154	3427	5/03/2008	6	Epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 2	T1136	3398	12/02/2008	2	Epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 2	T1137	3400	12/02/2008	2	Epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 2	E8708	857	23/03/2007	3	Epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 3	T1131	3389	12/02/2008	1	Epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 3	T1143	no	12/02/2008	1	Epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 3	T1135	3396	12/02/2008	2	Epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 4	T1150	3419	12/02/2008	4	Epigeous	OTU
Boletales	Boletaceae	Boletaceae sp. 5	T742	1674	25/05/2007	4	Hypogeous	OTU
Boletales	Boletaceae	Boletaceae sp. 6	T835	no	16/6/2007	9	Hypogeous	OTU
Boletales	Boletaceae	Boletaceae sp. 6	T1175	3448	6/05/2008	9	Hypogeous	OTU
Boletales	Boletaceae	Boletaceae sp. 6	T1175	3449	6/05/2008	9	Hypogeous	OTU
Boletales	Boletaceae	Boletaceae sp. 6	T639	1659	17/05/2007	9	Hypogeous	OTU
Boletales	Boletaceae	Boletaceae sp. 6	T1293	3574	26/06/2008	9	Hypogeous	OTU
Boletales	Boletaceae	Boletaceae sp. 6	T1297	3578	26/06/2008	12	Hypogeous	OTU
Boletales	Boletaceae	Boletaceae sp. 6	T828	2049	16/06/2007	12	Hypogeous	OTU
Boletales	Boletaceae	Boletaceae sp. 6	T959	2127	18/06/2007	3	Hypogeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Boletales	Boletaceae	Boletaceae sp. 6	T1076	2210	21/06/2007	4	Hypogeous	OTU
Boletales	Boletaceae	Boletaceae sp. 6	T1269	3551	24/06/2008	3	Hypogeous	OTU
Boletales	Boletaceae		T1112	3012	13/11/2007	6	Hypogeous	ID
Boletales	Boletaceae		T1047	2201	20/06/2007	7	Hypogeous	ID
Boletales	Boletaceae		T516	1512	16/05/2007	12	Hypogeous	ID
Cantharellales	Clavariaceae	Clavariaceae sp.	T1212	no	8/05/2008	7	Epigeous	ID
Cantharellales	Clavariaceae	Clavariaceae sp. 1	T1027	2159	19/06/2007	6	Epigeous	OTU
Cantharellales	Clavariaceae	Clavariaceae sp. 1	T554	1523	13/05/2007	8	Epigeous	OTU
Cantharellales	Clavariaceae	Clavariaceae sp. 2	T555	1530	13/05/2007	8	Epigeous	OTU
Cantharellales	Clavariaceae	Clavariaceae sp. 3	T1079	2178	20/06/2007	8	Epigeous	OTU
Cantharellales	Clavariaceae	Clavariaceae sp. 4	T1080	2188	20/06/2007	8	Epigeous	OTU
Cantharellales	Clavariaceae	Clavariaceae p. 5	T881	2097	16/06/2007	11	Epigeous	OTU
Cantharellales	Clavariaceae		T1253	3535	24/06/2008	8	Epigeous	ID
Cantharellales	Clavariaceae		T1084	2181	20/06/2007	8	Epigeous	ID
Cantharellales	Clavariaceae		T1085	2189	20/06/2007	8	Epigeous	ID
Cantharellales	Clavariaceae		T1086	2179	20/06/2007	8	Epigeous	ID
Cantharellales	Clavariaceae		T470	969	13/05/2007	7	Epigeous	ID
Cantharellales	Clavariaceae		T837	2065	16/06/2007	9	Epigeous	ID
Cantharellales	Clavariaceae		T680	1739	25/05/2007	2	Epigeous	ID
Cantharellales	Clavariaceae		T1011	2192	21/06/2007	2	Epigeous	ID
Cantharellales	Clavariaceae		T790	2018	16/06/2007	12	Epigeous	ID
Cantharellales	Clavariaceae		T940	2134	18/06/2007	3	Epigeous	ID
Cantharellales	Clavariaceae		T880	2096	16/06/2007	11	Epigeous	ID

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Cantharellales	Clavulinaceae	*Clavulina* sp.	T678	1734	25/05/2007	2	Epigeous	ID
Cantharellales	Clavulinaceae	*Clavulina* sp.	T809	2033	16/06/2007	12	Epigeous	ID
Cantharellales	Clavulinaceae	*Clavulina* sp. 1	T585	1606	15/05/2007	1	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 1	T676	1735	25/05/2007	2	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 1	T677	1736	25/05/2007	2	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 1	T679	1733	25/05/2007	2	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 3	T593	1591	17/05/2007	11	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 3	T893	2092	16/06/2007	11	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 3	T705	1664	25/05/2007	4	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 4	T1029	2152	19/06/2007	6	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 5	T955	2130	18/06/2007	3	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 5	T1067	2209	21/06/2007	4	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 5	T704	1665	25/05/2007	4	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 6	T570	1617	15/05/2007	3	Epigeous	OTU
Cantharellales	Clavulinaceae	*Clavulina* sp. 7	T1082	2184	20/06/2007	8	Epigeous	OTU
Cantharellales	Hydnaceae	*Hydnum* sp. 1	T836	2066	16/06/2007	9	Epigeous	OTU
Cantharellales	Hydnaceae	*Hydnum umbilicatum*	T1259	3541	24/06/2008	2	Epigeous	OTU
Cantharellales	Hydnaceae	*Hydnum umbilicatum*	T662	1722	25/05/2007	2	Epigeous	OTU
Corticiales	Corticiaceae	*Peniophorella* sp. 1	T743	1677	25/05/2007	4	Resupinate	OTU
Corticiales	Corticiaceae	*Peniophorella* sp. DQ647480	T743	1677	25/05/2007	4	Resupinate	SnM
Dacrymycetales	Dacrymycetaceae	*Calocera* sp.	T458	957	13/05/2007	7	Epigeous	nM
Dacrymycetales	Dacrymycetaceae	*Calocera* sp.	T883	n/a	16/06/2007	11	Epigeous	nM
Dacrymycetales	Dacrymycetaceae	*Heterotextus* sp.	T1002	n/a	19/06/2007	6	Epigeous	nM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Dacrymycetales	Dacrymycetaceae	*Heterotextus* sp.	T976	n/a	19/06/2007	5	Epigeous	nM
Dacrymycetales	Dacrymycetaceae	*Heterotextus* sp.	T850	n/a	16/06/2007	9	Epigeous	nM
Dacrymycetales	Dacrymycetaceae	*Heterotextus* sp.	T766	n/a	16/06/2007	10	Epigeous	nM
Dacrymycetales	Dacrymycetaceae	*Heterotextus* sp.	T780	n/a	16/06/2007	10	Epigeous	nM
Dacrymycetales	Dacrymycetaceae	*Heterotextus* sp.	T913	n/a	18/06/2007	1	Epigeous	nM
Dacrymycetales	Dacrymycetaceae	*Heterotextus* sp.	T796	n/a	16/06/2007	12	Epigeous	nM
Dacrymycetales	Dacrymycetaceae	*Heterotextus* sp.	T868	n/a	16/06/2007	11	Epigeous	nM
Gomphales	Gomphaceae	*Ramaria* sp.	T778	no	16/06/2007	10	Epigeous	ID
Helotiales	Cyttariaceae	*Cyttaria* sp.	T779	n/a	16/06/2007	10	Epigeous	nM
Hysterangiales		Hysterangiales sp. 1	T565	1522	13/05/2007	8	Hypogeous	OTU
Hysterangiales		Hysterangiales sp. 2	T1290	3571	26/06/2008	9	Hypogeous	OTU
Polyporales	Fomitopsidaceae	*Fomitopsis rosea* DQ491412	T719	1704	25/05/2007	4	Epigeous	SnM
Polyporales	Ganodermataceae	*Ganoderma* sp.	T753	n/a	16/06/2007	10	Epigeous	nM
Polyporales	Meruliaceae	*Hyphoderma setigerum* AJ534294	T474	973	13/05/2007	7	Resupinate	SnM
Polyporales	Meruliaceae	*Phlebia concentrica* AY219364	T745	1678	25/05/2007	4	Resupinate	SnM
Polyporales	Phanerochaetaceae	*Phanerochaete* sp.	T1124	3381	12/02/2008	8	Epigeous	nM
Polyporales	Phanerochaetaceae	*Phanerochaete* sp.	T1139	3403	12/02/2008	2	Epigeous	nM
Polyporales	Polyporaceae	*Ryvardenia* sp.	T1042	n/a	20/06/2007	7	Epigeous	nM
Polyporales		Polyporaceae sp.	T992	n/a	19/06/2007	5	Epigeous	nM
Polyporales		Polyporaceae sp.	T994	n/a	19/06/2007	5	Epigeous	nM
Polyporales		Polyporaceae sp.	T1051	n/a	20/06/2007	7	Epigeous	nM
Polyporales		Polyporaceae sp.	T863	n/a	16/06/2007	9	Epigeous	nM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Polyporales		Polyporaceae sp.	T864	n/a	16/06/2007	9	Epigeous	nM
Polyporales		Polyporaceae sp.	T865	n/a	16/06/2007	9	Epigeous	nM
Polyporales		Polyporaceae sp.	T938	n/a	18/06/2007	1	Epigeous	nM
Polyporales		Polyporaceae sp.	T950	n/a	18/06/2007	1	Epigeous	nM
Polyporales		Polyporaceae sp.	T1014	n/a	21/06/2007	2	Epigeous	nM
Polyporales		Polyporaceae sp.	T963	n/a	18/06/2007	3	Epigeous	nM
Polyporales		Polyporaceae sp.	T964	n/a	18/06/2007	3	Epigeous	nM
Polyporales		Uknown polypore	T656	1716	25/05/2007	2	Epigeous	nM
Russulales	Amylostereaceae	*Artomyces* sp. 1	T1025	2158	19/06/2007	6	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T1232	3510	8/05/2008	6	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T1210	3487	8/05/2008	7	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T467	966	13/05/2007	7	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T644	1628	17/05/2007	10	epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T777	2015	16/06/2007	10	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T584	1602	15/05/2007	1	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T580	1604	15/05/2007	1	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T674	1737	25/05/2007	2	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T1177	3451	6/05/2008	12	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T487	985	16/05/2007	12	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T887	2094	16/06/2007	11	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T597	1586	17/05/2007	11	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 1	T703	1666	25/05/2007	4	Epigeous	OTU
Russulales	Amylostereaceae	*Artomyces* sp. 2	T838	2064	16/06/2007	9	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Russulales	Russulaceae	*Arcangeliella* sp. 1	T991	2148	19/06/2007	5	Hypogeous	OTU
Russulales	Russulaceae	*Arcangeliella* sp. 1	T829	2050	16/06/2007	12	Hypogeous	OTU
Russulales	Russulaceae	*Arcangeliella* sp. 1	T1075	2208	21/06/2007	4	Hypogeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1023	2154	19/06/2007	6	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1222	3498	8/05/2008	5	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T522	1550	14/05/2007	5	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1081	2186	20/06/2007	8	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1250	3532	24/06/2008	7	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1044	2203	20/06/2007	7	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1123	3380	12/02/2008	7	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T625	1648	17/05/2007	9	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T846	no	16/06/2007	9	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T852	2056A	16/06/2007	9	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1167	3439	6/05/2008	9	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1282	3564	26/06/2008	9	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T645	1624	17/05/2007	10	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1278	3560	26/06/2008	10	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T488	983	16/05/2007	12	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1295	3576	26/06/2008	12	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T820	2037	16/06/2007	12	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	E8715	864	23/03/2007	3	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1266	3548	24/06/2008	3	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T1299	3580	26/06/2008	11	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Russulales	Russulaceae	*Lactarius* sp. 1	T602	1593	17/05/2007	11	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T890	2099	16/06/2007	11	Epigeous	OTU
Russulales	Russulaceae	*Lactarius* sp. 1	T723	1702	25/05/2007	4	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T529	1547	14/05/2007	5	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T1286	3568	26/06/2008	9	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T579	1598	15/05/2007	1	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T482	980	16/05/2007	12	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T799	2024	16/06/2007	12	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T821	2038	16/06/2007	12	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T1264	3546	24/06/2008	3	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T601	1595	17/05/2007	11	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T708	1692	25/05/2007	4	Epigeous	OTU
Russulales	Russulaceae	*Russula persanguinea*	T1024	2151	19/06/2007	6	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp.	T707	1693	25/05/2007	4	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T1126	3383	12/02/2008	6	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T1127	no	12/02/2008	5	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T1209	3486	8/05/2008	7	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T459	958	13/05/2007	7	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T460	959	13/05/2007	7	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T460	959	13/05/2007	7	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T461	960	13/05/2007	7	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T476	974	13/05/2007	7	Hypogeous	ID
Russulales	Russulaceae	*Russula* sp.	T633	1654	17/05/2007	9	Epigeous	ID

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Russulales	Russulaceae	*Russula* sp.	T643	1627	17/05/2007	10	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T1178	3452	6/05/2008	12	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T822	2039	16/06/2007	12	Epigeous	ID
Russulales	Russulaceae	*Russula* sp.	T509	1546	16/05/2007	12	Epigeous	ID
Russulales	Russulaceae	*Russula* sp. 1	T546	1560	14/05/2007	6	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 3	T578	1599	15/05/2007	1	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 3	T502	1504	16/05/2007	12	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 5	T545	1562	14/05/2007	6	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 8	T997	2146	19/06/2007	5	Hypogeous	OTU
Russulales	Russulaceae	*Russula* sp. 9	T1132	3391	12/02/2008	1	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 9	T1133	3393	12/02/2008	1	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 9	T1142	3407	12/02/2008	1	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 9	E8720	869	22/03/2007	2	epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 9	T659	1731	25/05/2007	2	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 9	T1148	3415	12/02/2008	4	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 13	T658	1732	25/05/2007	2	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 15	T1230	3508	8/05/2008	6	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 15	T1223	3499	8/05/2008	5	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 15	T1217	3494	8/05/2008	8	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 16	T577	1600	15/05/2007	1	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 16	T1301	3582	26/06/2008	11	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 17	T1189	3465	5/05/2008	11	Epigeous	OTU
Russulales	Russulaceae	*Russula* sp. 19	T660	1715	25/05/2007	2	Epigeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Russulales	Russulaceae	Russulaceae sp. 1	T1037	2162	19/06/2007	6	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 1	T1235	3517	8/05/2008	6	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 1	T542	1565	14/05/2007	6	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 1	T543	1568	14/05/2007	6	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 1	T1227	3503	8/05/2008	5	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 1	T1099	2176	20/06/2007	8	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 1	T562	1526	13/05/2007	8	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 2	T1182	3458	6/05/2008	12	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 2	T1113	3013	15/11/2007	11	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 3	T1245	3770	24/06/2008	5	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 3	T740	1667	25/05/2007	4	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 4	T830	2051	16/06/2007	12	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 4	T741	1669	25/05/2007	4	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 10	T998	2147	19/06/2007	5	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 11	T995	2143	19/06/2007	5	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 12	T1234	3516	8/05/2008	6	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 12	T1221	3527	8/05/2008	5	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 12	T996	2149	19/06/2007	5	Hypogeous	OTU
Russulales	Russulaceae	Russulaceae sp. 12	T1121	3379	21/12/2007	11	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp.	T1258	3540	24/06/2008	6	Hypogeous	ID
Russulales	Russulaceae	*Zelleromyces* sp.	T1036	2160	19/06/2007	6	Hypogeous	ID
Russulales	Russulaceae	*Zelleromyces* sp.	T1251	3533	24/06/2008	8	Hypogeous	ID
Russulales	Russulaceae	*Zelleromyces* sp.	T1046	2198	20/06/2007	7	Hypogeous	ID

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
Russulales	Russulaceae	*Zelleromyces* sp.	T1019	2190	21/06/2007	2	Hypogeous	ID
Russulales	Russulaceae	*Zelleromyces* sp. 1	T541	1566	14/05/2007	6	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 1	T1246	3528	24/06/2008	5	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 1	T989	2144	19/06/2007	5	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 1	T990	2145	19/06/2007	5	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 1	T559	1525	13/05/2007	8	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 1	T1213	3490	8/05/2008	7	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 1	T1247	3529	24/06/2008	7	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 1	T664	1720	25/05/2007	2	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 1	T739	1670	25/05/2007	4	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 2	T1125	3382	12/02/2008	6	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 2	T1226	3502	8/05/2008	5	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 2	T1095	2174	20/06/2007	8	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 2	T477	975	13/05/2007	7	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 2	T1274	3556	24/06/2008	1	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 2	T735	1671	25/05/2007	4	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 2	T1074	2211	21/06/2007	4	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 2	T1262	3544	24/06/2008	4	Hypogeous	OTU
Russulales	Russulaceae	*Zelleromyces* sp. 3	T663	1714	25/05/2007	2	Hypogeous	OTU
Russulales	Stereaceae	*Stereum annosum*	T657	1723	25/05/2007	2	Epigeous	SnM
Russulales		aff. *Stephanospora*	T1120	3378	17/11/2007	6	Epigeous	C
Tremellales	Tremellaceae	*Tremella* sp.	T784	n/a	16/06/1997	10	Epigeous	nM
		Basidiomycete sp. 1	T1048	2195	20/06/2007	7	Hypogeous	OTU

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
		Basidiomycete sp. 6	T1214	3491	8/05/2008	7	Hypogeous	OTU
		Fungal sp. 3	T478	976	13/05/2007	7	Epigeous	OTU
		Fungal sp. 3	T746	1675	25/05/2007	4	Epigeous	OTU
		undetermined	T537	1561	14/05/2007	6	Epigeous	pS
		undetermined	T563	1529	13/05/2007	8	Hypogeous	pS
		undetermined	T454	953	13/05/2007	7	Hypogeous	pS
		undetermined	T626	1646	17/05/2007	9	Epigeous	pS
		undetermined	T650	1626	17/05/2007	9	Hypogeous	pS
		undetermined	T744	1676	25/05/2007	4	Epigeous	C
		undetermined	T1038	2161	19/06/2007	6	Hypogeous	pS
		undetermined	T560	1521	13/05/2007	8	Hypogeous	pS
		undetermined	T646	1623	17/05/2007	10	Epigeous	pS
		undetermined	T764	2010	16/06/2007	10	Epigeous	pS
		undetermined	T1104	3002	12/11/2007	2	Epigeous	pS
		undetermined	T484	986	16/05/2007	12	Epigeous	pS
		undetermined	T496	1514	16/05/2007	12	Epigeous	pS
		undetermined	T805	2040	16/06/2007	12	Epigeous	pS
		undetermined	T517	1513	16/05/2007	12	Hypogeous	pS
		undetermined	T568	1612	15/05/2007	3	Epigeous	pS
		undetermined	T567	1614	15/05/2007	3	Hypogeous	pS
		undetermined	T1205	3482	5/05/2008	11	Epigeous	pS
		undetermined	T731	1689	25/05/2007	4	Epigeous	pS
		undetermined	T1032	no	19/06/2007	6	Epigeous	N

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
		undetermined	T982	no	19/06/2007	5	Epigeous	N
		undetermined	T987	no	19/06/2007	5	Epigeous	N
		undetermined	T984	no	19/06/2007	5	Epigeous	N
		undetermined	T986	no	19/06/2007	5	Epigeous	N
		undetermined	T1043	no	20/06/2007	7	Epigeous	N
		undetermined	T1052	no	20/06/2007	7	Epigeous	N
		undetermined	T858	no	16/06/2007	9	Epigeous	N
		undetermined	T859	no	16/06/2007	9	Epigeous	N
		undetermined	T860	no	16/06/2007	9	Epigeous	N
		undetermined	T861	no	16/06/2007	9	Epigeous	N
		undetermined	T834	no	16/06/2007	9	Hypogeous	N
		undetermined	T651	no	17/05/2007	10	Epigeous	N
		undetermined	T752	no	16/06/2007	10	Epigeous	N
		undetermined	T759	no	16/06/2007	10	Epigeous	N
		undetermined	T760	no	16/06/2007	10	Epigeous	N
		undetermined	T769	no	16/06/2007	10	Epigeous	N
		undetermined	T774	no	16/06/2007	10	Epigeous	N
		undetermined	T775	no	16/06/2007	10	Epigeous	N
		undetermined	T931	no	18/06/2007	1	Epigeous	N
		undetermined	T932	no	18/06/2007	1	Epigeous	N
		undetermined	T1018	no	21/06/2007	2	Epigeous	N
		undetermined	T786	no	16/06/2007	12	Epigeous	N
		undetermined	T803	no	16/06/2007	12	Epigeous	N

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
		undetermined	T808	no	16/06/2007	12	Epigeous	N
		undetermined	T810	no	16/06/2007	12	Epigeous	N
		undetermined	T818	no	16/06/2007	12	Epigeous	N
		undetermined	T826	no	16/06/2007	12	Epigeous	N
		undetermined	T832	no	16/06/2007	12	Hypogeous	N
		undetermined	T942	no	18/06/2007	3	Epigeous	N
		undetermined	T945	no	18/06/2007	3	Epigeous	N
		undetermined	T960	no	18/06/2007	3	Epigeous	N
		undetermined	T965	no	18/06/2007	3	Epigeous	N
		undetermined	T966	no	18/06/2007	3	Epigeous	N
		undetermined	T967	no	18/06/2007	3	Epigeous	N
		undetermined	T968	no	18/06/2007	3	Epigeous	N
		undetermined	T969	no	18/06/2007	3	Epigeous	N
		undetermined	T971	no	18/06/2007	3	Epigeous	N
		undetermined	T972	no	18/06/2007	3	Epigeous	N
		undetermined	T898	no	16/06/2007	11	Epigeous	N
		undetermined	T902	no	16/06/2007	11	Epigeous	N
		undetermined	T907	no	16/06/2007	11	Epigeous	N
		undetermined	T910	no	16/06/2007	11	Epigeous	N
		undetermined	T1066	no	21/06/2007	4	Epigeous	N
		undetermined	T1040	2164	19/06/2007	6	Hypogeous	pS
		undetermined	T532	1551	14/05/2007	6	Epigeous	F

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
		undetermined	T539	1567	14/05/2007	6	Epigeous	F
		undetermined	T523	1541	14/05/2007	5	Epigeous	F
		undetermined	T1096	2173	20/06/2007	8	Hypogeous	pS
		undetermined	T1100	2177	20/06/2007	8	Hypogeous	pS
		undetermined	T1097	2182	20/06/2007	8	Hypogeous	pS
		undetermined	T455	954	13/05/2007	8	Epigeous	F
		undetermined	T1093	2183	20/06/2007	8	Epigeous	F
		undetermined	T1110	3010	13/11/2007	8	Epigeous	F
		undetermined	T561	1519	13/05/2007	8	Hypogeous	F
		undetermined	T1098	2175	20/06/2007	8	Hypogeous	F
		undetermined	T556	1518	13/05/2007	8	Epigeous	F
		undetermined	T564	1524	13/05/2007	8	Hypogeous	F
		undetermined	T1215	3492	8/05/2008	7	Hypogeous	pS
		undetermined	T1056	2199	20/06/2007	7	Epigeous	pS
		undetermined	T465	964	13/05/2007	7	Epigeous	F
		undetermined	T1049	2202	20/06/2007	7	Hypogeous	F
		undetermined	T471	970	13/05/2007	7	Epigeous	F
		undetermined	T479	978	13/05/2007	7	Hypogeous	F
		undetermined	T869	2075	16/06/2007	9	Epigeous	F
		undetermined	T649	1625	17/05/2007	9	Hypogeous	F
		undetermined	T637	1657	17/05/2007	9	Hypogeous	F
		undetermined	T638	1658	17/05/2007	9	Hypogeous	F
		undetermined	T652	1635	17/05/2007	10	Epigeous	F

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
		undetermined	T1118	3018	15/11/2007	10	Epigeous	F
		undetermined	T928	2114	18/06/2007	1	Epigeous	pS
		undetermined	T948	2109	18/06/2007	1	Epigeous	F
		undetermined	T918	2119	18/06/2007	1	Epigeous	F
		undetermined	T1103	3003	12/11/2007	1	Epigeous	F
		undetermined	T922	2112	18/06/2007	1	Hypogeous	F
		undetermined	T590	1605	15/05/2007	1	Hypogeous	F
		undetermined	T666	1719	25/05/2007	2	Hypogeous	pS
		undetermined	T670	1726	25/05/2007	2	Epigeous	F
		undetermined	T683	1743	25/05/2007	2	Epigeous	F
		undetermined	T694	1753	25/05/2007	2	Epigeous	F
		undetermined	T698	1754	25/05/2007	2	Epigeous	F
		undetermined	T696	1756	25/05/2007	2	Epigeous	F
		undetermined	T1140	3404	12/02/2008	2	Epigeous	F
		undetermined	T667	1718	25/05/2007	2	Hypogeous	F
		undetermined	T690	1746	25/05/2007	2	Epigeous	F
		undetermined	T511	1515	16/05/2007	12	Epigeous	F
		undetermined	T1271	3553	24/06/2008	3	Epigeous	pS
		undetermined	T1106	3007	12/11/2007	3	Epigeous	F
		undetermined	T569	1520	15/05/2007	3	Epigeous	F
		undetermined	T569	1615	15/05/2007	3	Epigeous	F
		undetermined	T1188	3464	5/05/2008	11	Epigeous	pS

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
		undetermined	T615	1596	17/05/2007	11	Hypogeous	pS
		undetermined	T908	2090	16/06/2007	11	Epigeous	F
		undetermined	T894	2093	16/06/2007	11	Epigeous	F
		undetermined	T736	1672	25/05/2007	4	Hypogeous	pS
		undetermined	T1077	2214	21/06/2007	4	Hypogeous	pS
		undetermined	T729	1690	25/05/2007	4	Epigeous	F
		undetermined	T720	1696	25/05/2007	4	Epigeous	F
		undetermined	T722	1698	25/05/2007	4	Epigeous	F
		undetermined	T725	1699	25/05/2007	4	Epigeous	F
		undetermined	T718	1703	25/05/2007	4	Epigeous	F
		undetermined	T1060	2220	21/06/2007	4	Epigeous	F
		undetermined	T737	1673	25/05/2007	4	Hypogeous	F
		undetermined	T1007	no	19/06/2007	6	Epigeous	NnM
		undetermined	T1008	no	19/06/2007	6	Epigeous	NnM
		undetermined	T1009	no	19/06/2007	6	Epigeous	NnM
		undetermined	T1010	no	19/06/2007	6	Epigeous	NnM
		undetermined	T978	no	19/06/2007	5	Epigeous	NnM
		undetermined	T993	no	19/06/2007	5	Epigeous	NnM
		undetermined	T557	1528	13/05/2007	8	Epigeous	NnM
		undetermined	T866	no	16/06/2007	9	Epigeous	NnM
		undetermined	T867	no	16/06/2007	9	Epigeous	NnM
		undetermined	T877	no	16/06/2007	9	Epigeous	NnM
		undetermined	T749	2001	16/06/2007	10	Epigeous	NnM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Order	Family	OTU	Collection No.	DNA sample code	Date Collected	Plot no.	Sample type	Level of identification
		undetermined	T781	2014	16/06/2007	10	Epigeous	NnM
		undetermined	T783	no	16/06/2007	10	Epigeous	NnM
		undetermined	T785	no	16/06/2007	10	Epigeous	NnM
		undetermined	T936	no	18/06/2007	1	Epigeous	NnM
		undetermined	T937	no	18/06/2007	1	Epigeous	NnM
		undetermined	T939	no	18/06/2007	1	Epigeous	NnM
		undetermined	T655	1712	25/05/2007	2	Epigeous	NnM
		undetermined	T689	1749	25/05/2007	2	Epigeous	NnM
		undetermined	T504	992	16/05/2007	12	Epigeous	NnM
		undetermined	T497	1510	16/05/2007	12	Epigeous	NnM
		undetermined	T515	1517	16/05/2007	12	Epigeous	NnM
		undetermined	T800	no	16/06/2007	12	Epigeous	NnM
		undetermined	T801	no	16/06/2007	12	Epigeous	NnM
		undetermined	T816	no	16/06/2007	12	Epigeous	NnM

C = sequenced but contaminated, F = DNA amplification failed, N = not sequenced and unable to identify from morphology, , NnM = not sequenced and likely not mycorrhizal, nM = non-mycorrhizal and not sequenced, OTU = allocated to OTU, pS = poor quality sequence, SnM = sequenced and non-mycorrhizal identification, ID = identified but not to OTU level.

Appendix 23 Selection of photographs of ectomycorrhizal sporocarps sampled from *E. delegatensis* forest. Photographs were taken using a Canon Powershot S40 digital camera. Below, the unique sample number, species names, date sampled and plot number, are given for each of the photographs. Scale bar is shown on each photo, total length of bar is 5cm and each increment is 1cm.

A. T462 Cortinariaceae sp. 10 13/05/2007 plot 7
B. T463 *Cortinarius* sp. 20 13/05/2007 plot 7
C. T481 *Cortinarius* sp. 5 16/05/2007 plot 12
D. T481 *Artomyces* sp. 1 16/05/2007 plot 12

Appendix 23

E. T512 *Cortinarius* sp. 43 16/05/2007 plot 12
G. T542 Russulaceae sp. 1 14/05/2007 plot 6
I. T600 *Cortinarius* aff. *cannarius* 17/05/2007 plot 11

F. T541 *Zelleromyces* sp. 1 14/05/2007 plot 6
H. T955 *Clavulina* sp. 5 18/06/2007 plot 3
J. T603 *Dermocybe kula* 17/05/2007 plot 11

K. T1292 *Cortinarius* sp. 72 26/06/2008 plot 9
L. T1264 *Russula persanguinea* 24/06/2008 plot 3
M. T1242 *Laccaria* sp. 1 8/05/2008 plot 1
N. T1287 *Dermocybe* sp. 2 26/06/2008 plot 9
O. T1175 Boletaceae sp. 6 6/05/2008 plot 9
P. T1187 *Dermocybe* aff. *globuliformis* 5/05/2008 plot 11

Appendix 23

Q. T1148 *Russula* sp. 9 12/02/2008 plot 4
S. T1035 *Cortinarius* sp. 4 19/06/2007 plot 6
R. T1137 Boletaceae sp. 2 12/02/2008 plot 2
T. 3742 *Lactarius* sp. 1 16/06/2007 plot 1

Appendix 24 Phylogenetic trees for major ectomyorrhizal families recorded from *E. delegatensis* forest.

All samples with similar BLAST results were aligned with public database sequences of high sequence similarity. Alignments were used to construct maximum-likelihood trees. Trees are rooted with the out-group. Each branch label shows the name of OTU followed by the DNA sample number. Sample number shows an F or R at the end of a four digit number which indicates the direction of the sequence (F-forward, R-reverse), which is followed by the sample type (S-sporocarp, R-root-tip). If the sample is a public database sequence, the species name and accession number are shown. Public database sequence names are given as shown in the public database but OTUs were named according to taxonomy described in the methods. Sequences from hypogeous species and OTUs are labelled with an asterisk *. Public database sequences that had dubious identifications are noted.

Scale bar indicates a sequence variation of either 10% (0.1), 1% (0.01), or 0.1% (0.001). Where OTUs were named based on similarity to a public database sequence, reference to relevant publications is given where possible. For the Cortinariaceae and Russulaceae overview trees, representative sequences from OTUs were used. Multiple sequences from each OTU are used in the more detailed trees within these two families.

A24.1 Amanitaceae

A.24.2 Boletaceae

A24.3 Clavariaceae and Clavulinaceae

A24.4 Cortinariaceae overview

A24.5 Cortinariaceae detail, upper part of tree

A24.6 Cortinariaceae detail, lower part of tree

A24.7 Cortinacriaceae group 1 – includes Inocybaceae, *Descomyces* and *Descolea*

A24.8 Cortinariaceae group 2 – includes *Cortinarius* aff. *infractus*

A24.9 Cortinariaceae group 3 – includes *Cortinarius* aff. *rotundisporus* and *Cortinarius* aff. *sclerophyllarum*

A24.10 Cortiariaceae group 4 – includes *Dermocybe* spp.

A24.11 Cortinariaceae group 5 – includes *Cortinarius* aff. *cannarius* and *Cortinarius* aff. *walkeri*

A24.12 Cortinariaceae group 6 – includes *Cortinarius* aff. *submagellanicus* and *Cortinarius* aff. *australis*

A24.13 Cortinariacae group 7 – includes *Cortinarius* aff. ardesiacus

A24.14 Cortinariaceae group 8 – includes *Cortinarius* aff. *tasmacamphoratus*

A24.15 Helotiales

A24.16 Hydnangicaeae

A24.17 Russulaceae overview

A24.18 Russulaceae group 1 – *Lactarius* and *Zelleromyces*

A24.19 Russulaceae group 2 – *Russula* spp.

A24.20 Russulaceae group 3 – *Russula persanguinea*

A24.21 Russulaceae group 4 – Russulaceae sp. 1

A24.22 Russulaceae group 5 – Russulaceae spp.

A24.23 Sebacinaceae

A24.24 Thelephoraceae

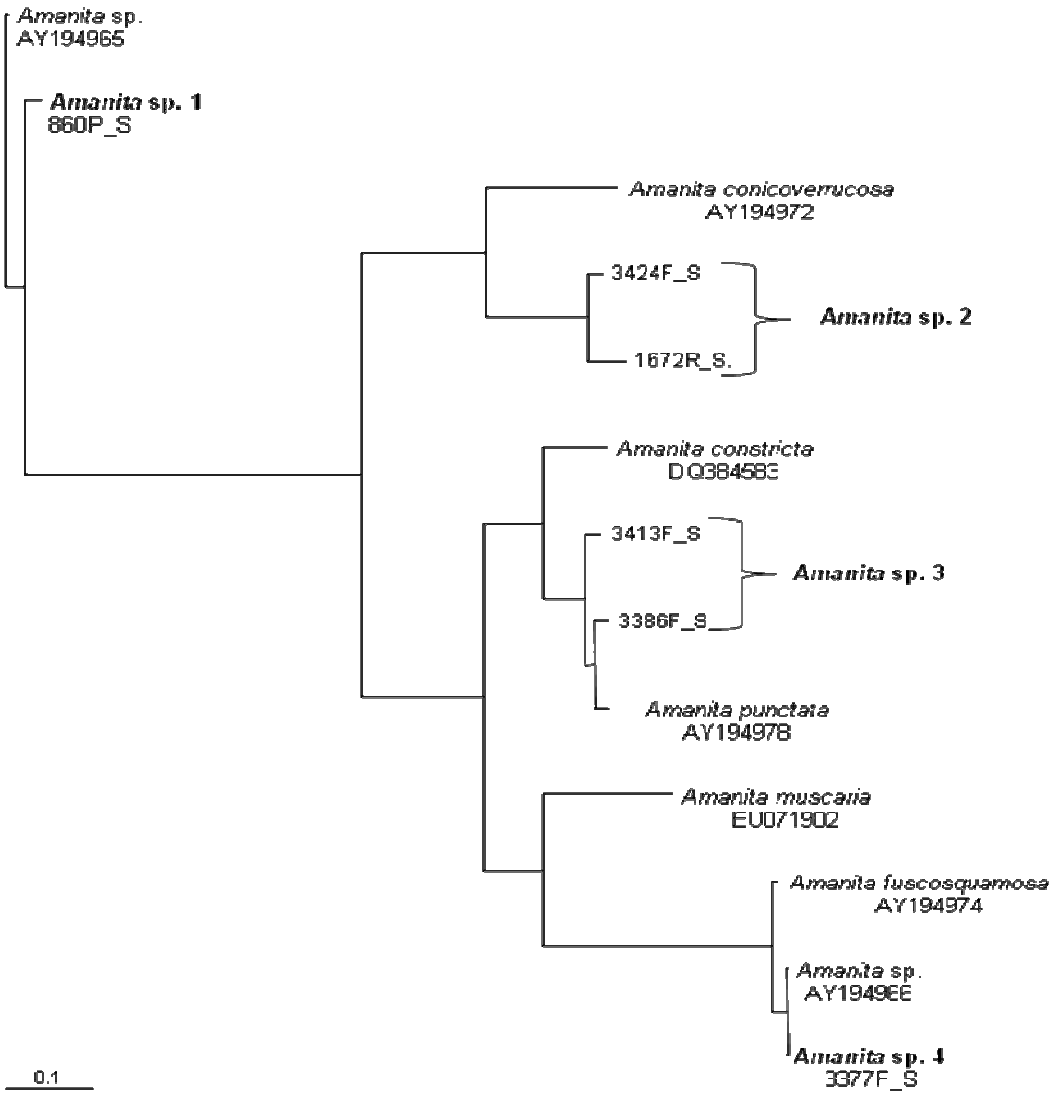
A25.25 Tricholomataceae

A24.1 Amanitaceae

Amanita sp. AY194965 - Sawyer, N.A., Chambers, S.M. and Cairney, J.W.G. (unpublished) Molecular phylogeny of Australian *Amanita* species, Centre for Horticulture and Plant Sciences, University of Western Sydney, Locked Bag 1797, Penrith South DC, NSW 1797, Australia.

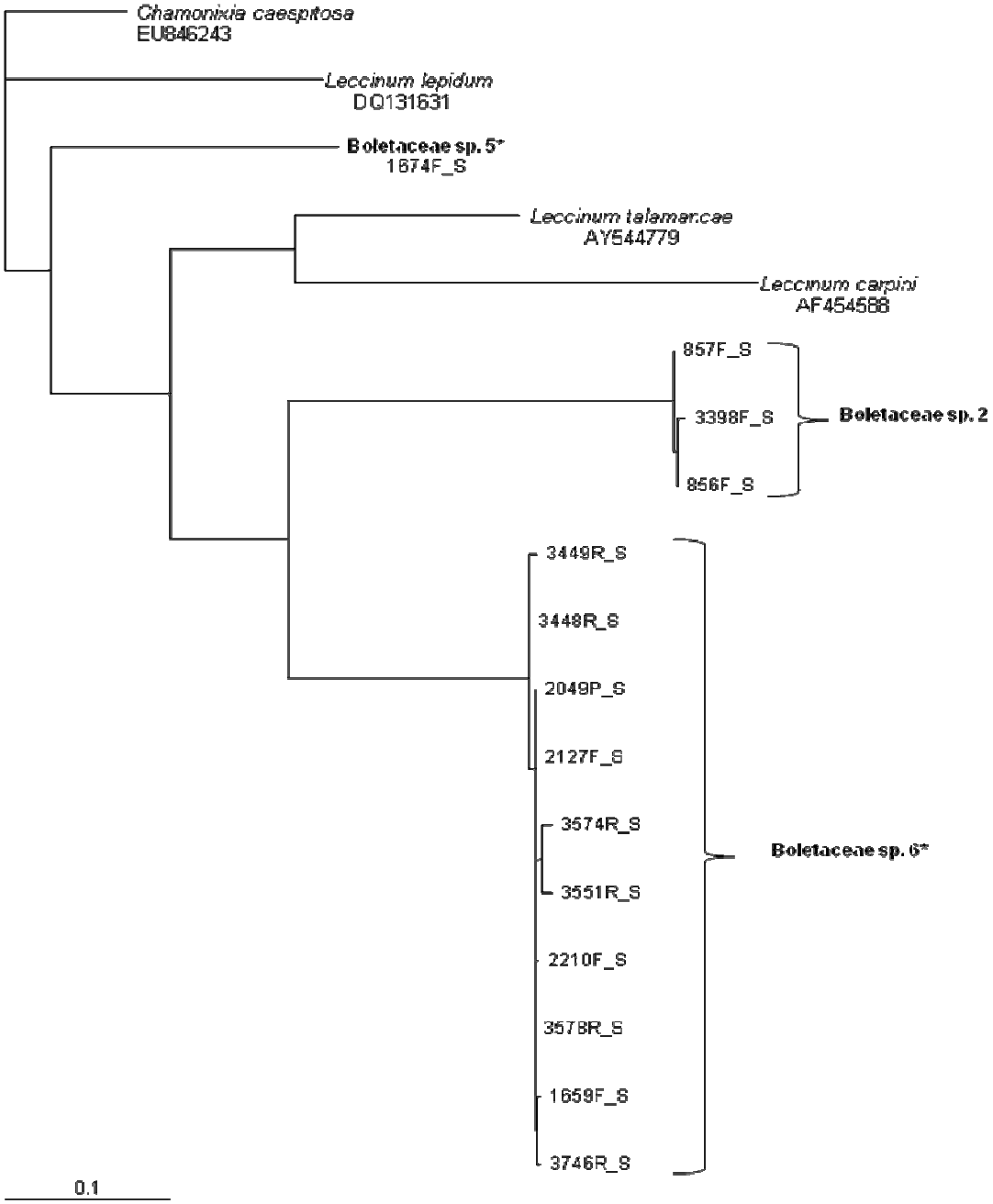
Other Amanita species with accession numbers beginning with AY19..... are also from the above unpublished project.

Amanita muscaria EU071902 - Geml, J., Tulloss, R.E., Laursen, G.A., Sazanova, N.A. and Taylor, D.L. (2008) Evidence for strong inter- and intra continental phylogeographic structure in *Amanita muscaria*, a wind-dispersed ectomycorrhizal basidiomycete , *Mol. Phylogenet. Evol.* **48 (2)**: 694-701.



A.24.2 Boletaceae

Leccinum carpini AF454588 - den Bakker, H.C., Gravendeel, B., Noordeloos, M.E. and Kuijper, T.W. (Unpublished) A phylogeny of the European species of *Leccinum* based on rDNA ITS1-5.8S-ITS2 sequences: irregular repetitive sequences cause extreme inter- and intraspecific length polymorphisms PCNE, National Herbarium Nederland, P.O. Box 9514, Leiden 2300 RA, The Netherlands.

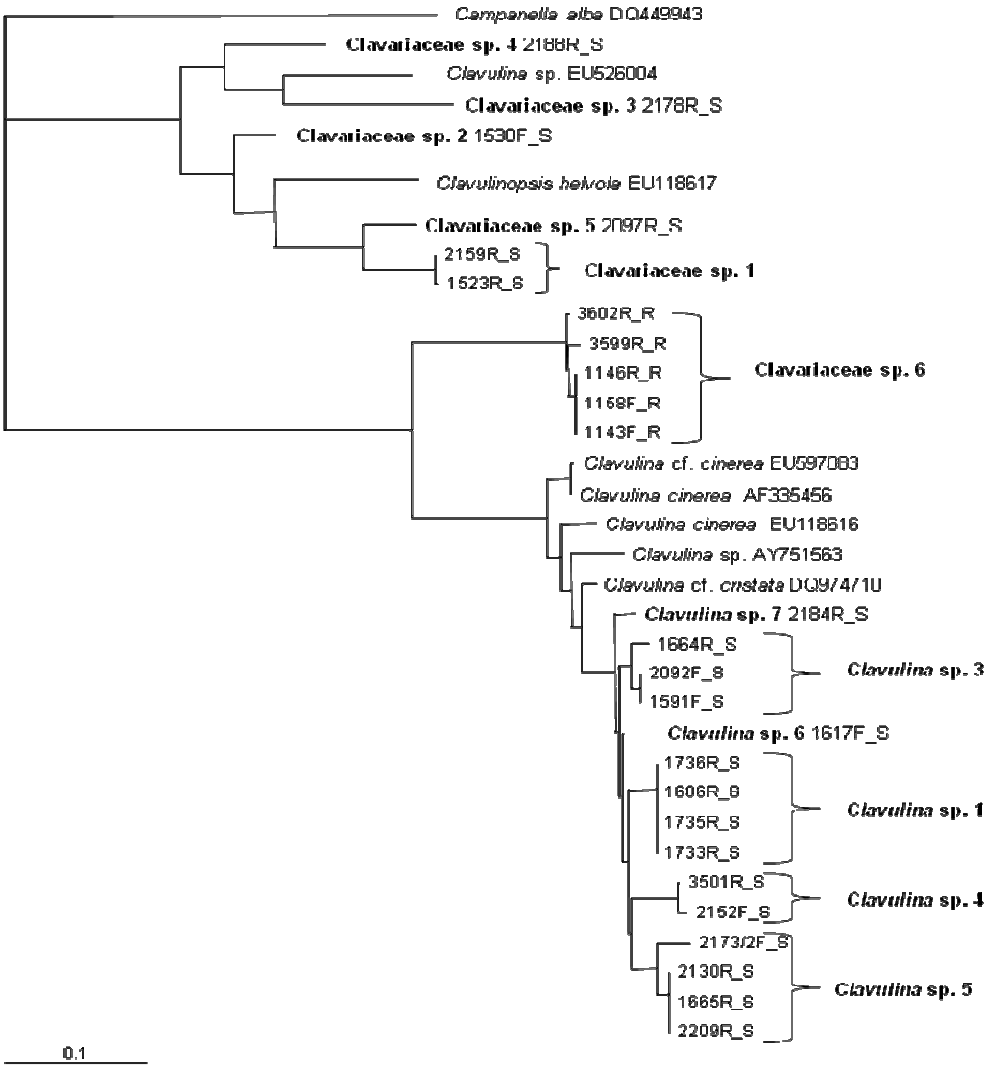


A24.3 Clavariaceae and Clavulinaceae

Clavulina sp. EU526004 - Smith, J.E., Molina, R., Huso, M.M.P., Luoma, D.L., McKay, D., Castellano, M.A., Lebel, T. and Valachovic, Y. (2002) Species richness, abundance, and composition of hypogeous and epigeous ectomycorrhizal fungal sporocarps in young, rotation-age, and old-growth stands of Douglas-fir (*Pseudotsuga menziesii*) in the Cascade Range of Oregon, USA. *Can. J. Bot.* **80**: 186-204.

Clavulina cinerea EU11861 -Larsson, K.H. (2007) Re-thinking the classification of corticioid fungi. *Mycol. Res.* **111(9)**: 1040-1063

Clavulina cf. *cristata* DQ974710 - Smith, M.E., Douhan, G.W. and Rizzo, D.M. (2007) Ectomycorrhizal community structure in a xeric *Quercus* woodland based on rDNA sequence analysis of sporocarps and pooled roots. *New Phytol.* **174(4)**: 847-863.



A24.4 Cortinariaceae overview

Inocybe hystrix AM882812 & *Inocybe* cf. *tenebrosa* AM882899 - Ryberg, M., Nilsson, R.H., Kristiansson, E., Topel, M., Jacobsson, S. and Larsson, E. (2008) Mining metadata from unidentified ITS sequences in GenBank: a case study in Inocybe (Basidiomycota). *BMC Evol. Biol.* **8**:50.

Descomyces albus DQ328209 and *Thaxterogaster piriformis* DQ328106 - Francis, A. A. (2006) The utility of morphological, *ITS* molecular and combined datasets in estimating the phylogeny of the cortinarioid sequestrate fungi. *Doctor of Philosophy,* Murdoch University.

Descolea recedens AF325649, *Thaxterogaster albocanus* AF325599, C*ortinarius dulciolens* AF325610 - Peintner, U., Bougher, N.L., Castellano, M.A., Moncalvo, J.-M., Moser, M.M., Trappe, J.M. and Vilgalys, R. (2001) Multiple origins of sequestrate fungi related to *Cortinarius* (Cortinariaceae). *Am. J. Bot.* **88(12)**: 2168-2179.

Tubaria serrulata DQ182507 - Matheny, P.B., Vellinga, E.C., Bougher, N.L., Ceska, O., Moreau, P.A., Neves, M.A. and Ammirati, J.F. (2007) Taxonomy of displaced species of *Tubaria*. *Mycologia* **99(4)**: 569-585

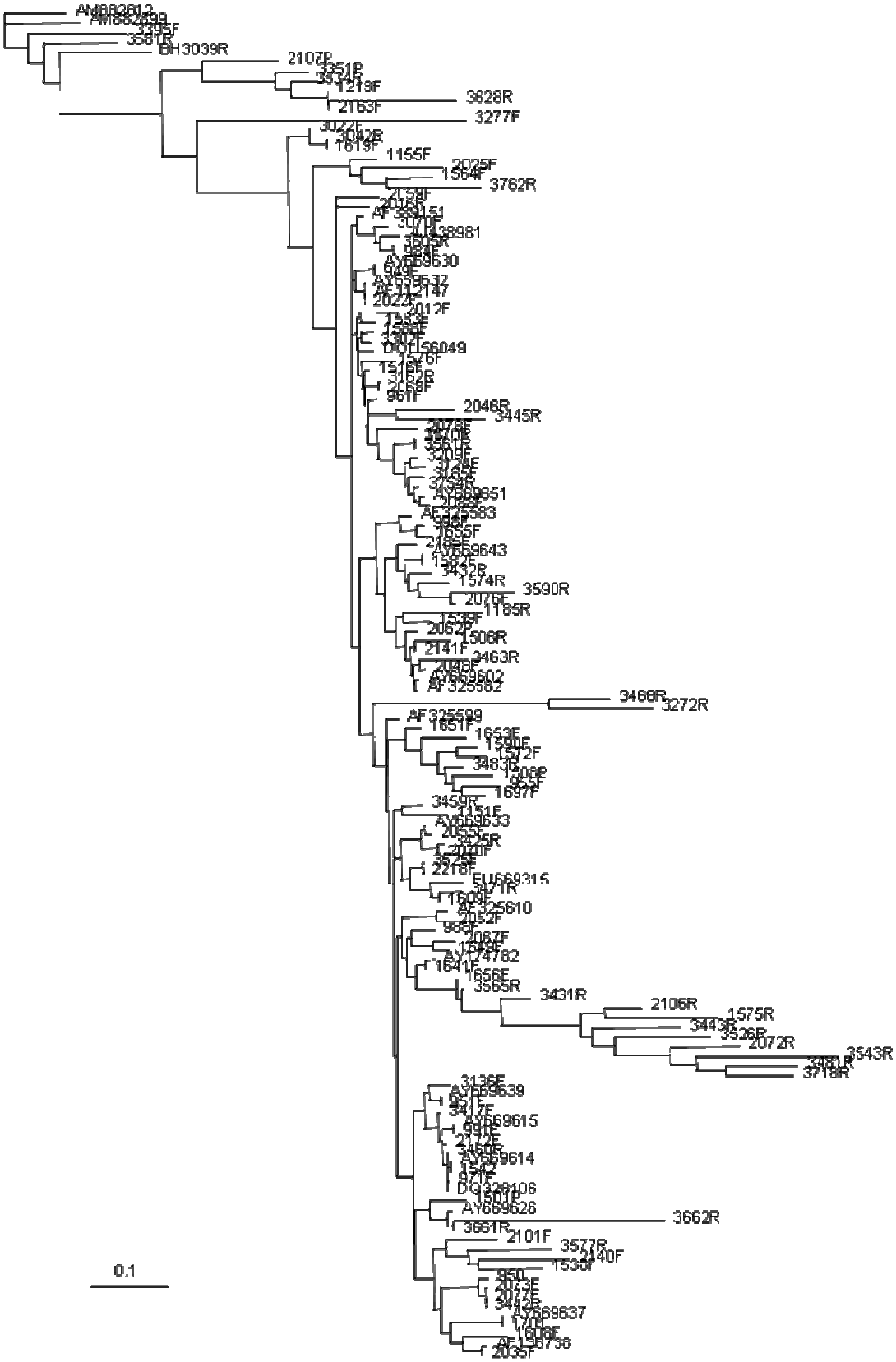
Cortinarius australis AY669615, *Cortinarius cystidiocatenatus* AY669651, *Cortinarius globuliformis* AY669602*, Cortinarius cannarius* AY669630, *Cortinarius walkeri* AY669632, C*ortinarius submagellanicus* AY669614, *Cortinarius sclerophyllarum* AY669637, C*ortinarius infractus* AY174782, *Cortinarius tasmacamphoratus* AY669633 - Garnica, S., Weiss, M., Oertel, B. and Oberwinkler, F. (2005) A framework for a phylogenetic classification in the genus *Cortinarius* (Basidiomycota, Agaricales) derived from morphological and molecular data. *Can. J. Bot.* **83**: 1457-1477.

Cortinarius rotundisporus AF136738 - Sawyer, N.A., Chambers, S.M. and Cairney, J.W.G. (1999) Molecular investigation of genet distribution and genetic variation of *Cortinarius rotundisporus* in eastern Australian sclerophyll forests. *New Phytol.* **142(3):** 561-568

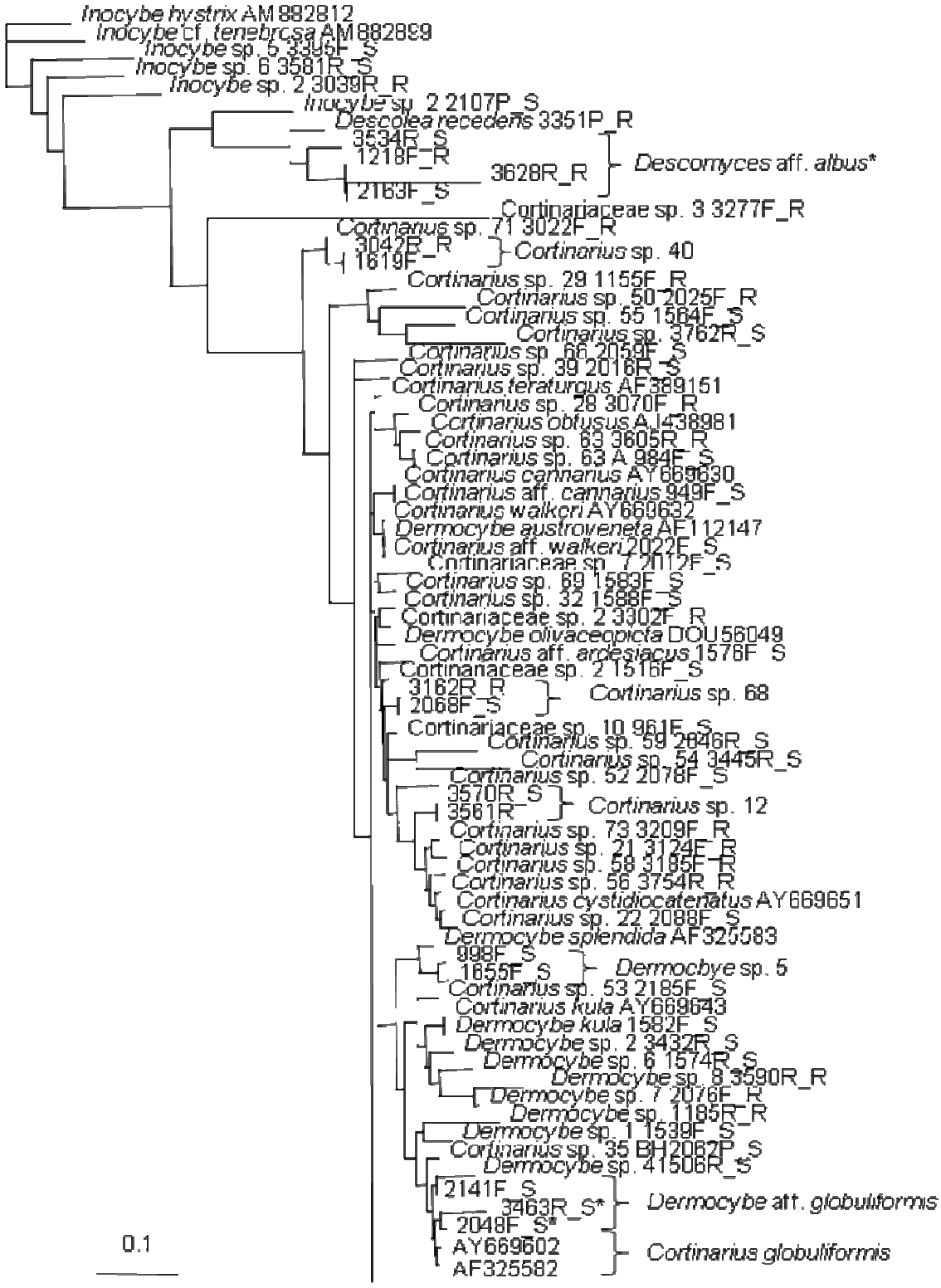
Cortinarius obtusus AJ438981 - Schubert, R., Raidl, S., Funk, R., Bahnweg, G., Muller-Starck, G. and Agerer, R. (2003) Quantitative detection of agar-cultivated and rhizotron-grown Piloderma croceum Erikss. & Hjortst. by ITS1-based fluorescent PCR. *Mycorrhiza* **13(3):** 159-165

Dermocybe austroveneta AF112147 - Chambers, S.M., Sawyer, N.A. and Cairney, J.W.G. Molecular identification of co-occurring *Cortinarius* species from eastern Australian sclerophyll forests. Unpublished.

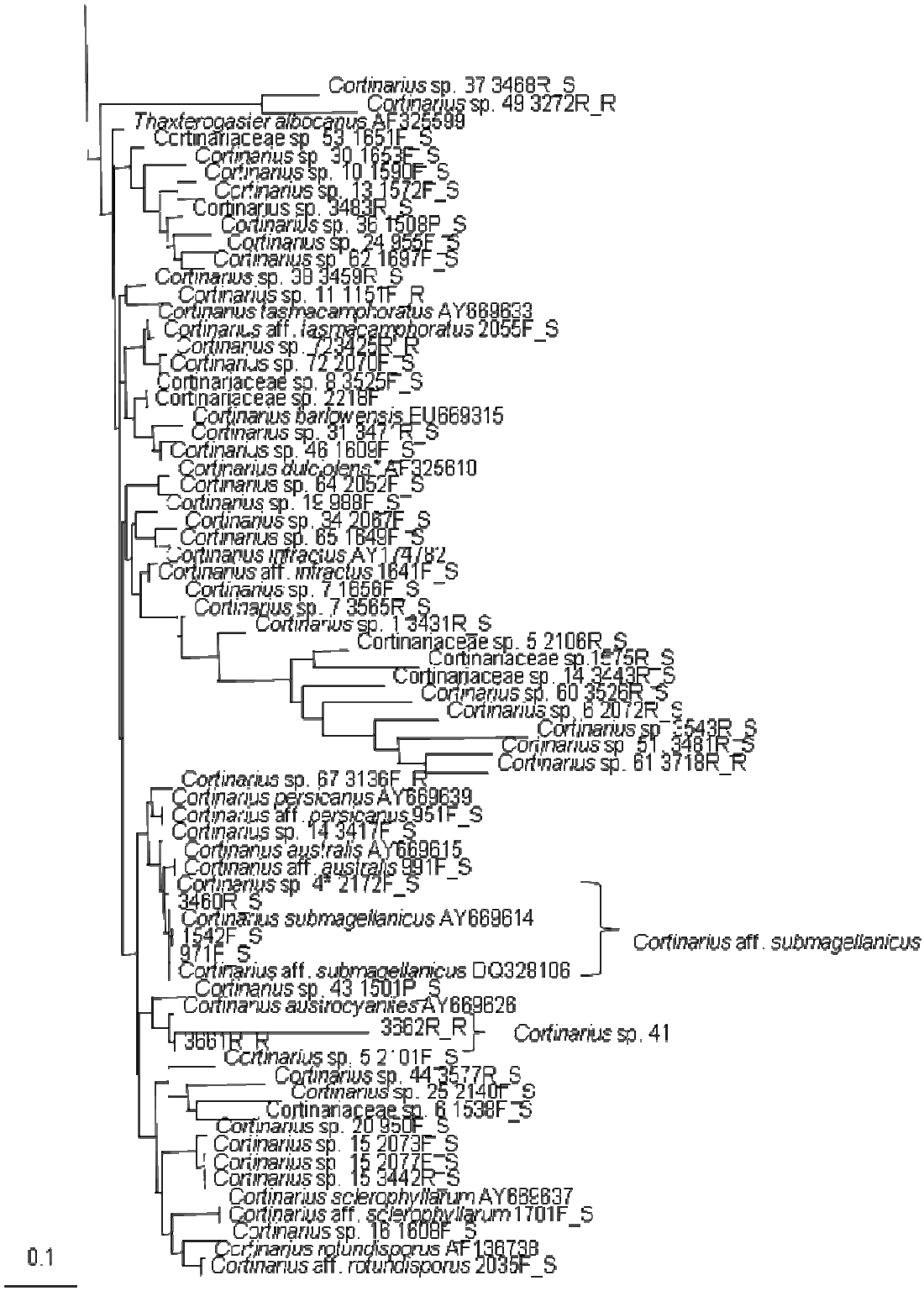
Appendix 24


BH3039R
2107F
3628R
2163F
3277F
1155F
2025F
1564F
3762R
38981
2147
2012F
56049
2046R
3445R
961F
AY669651
AY669643
1574R
3590R
1185R
2062F
1506R
2141F
3463R
AY669602
AF325582
3468R
3272R
AF325599
1651F
1653F
1697F
3459R
AY669633
2218F
EU669315
AF325610
2052F
AY174782
1641F
1656F
3565R
3431R
2106R
1575R
3443R
3526R
2072R
3543R
3718R
3136F
AY669639
3417F
AY669615
AY669614
DQ328106
AY669626
3662R
3661R
2101F
3577R
2140F
1530F
AY669637
2035F
0.1

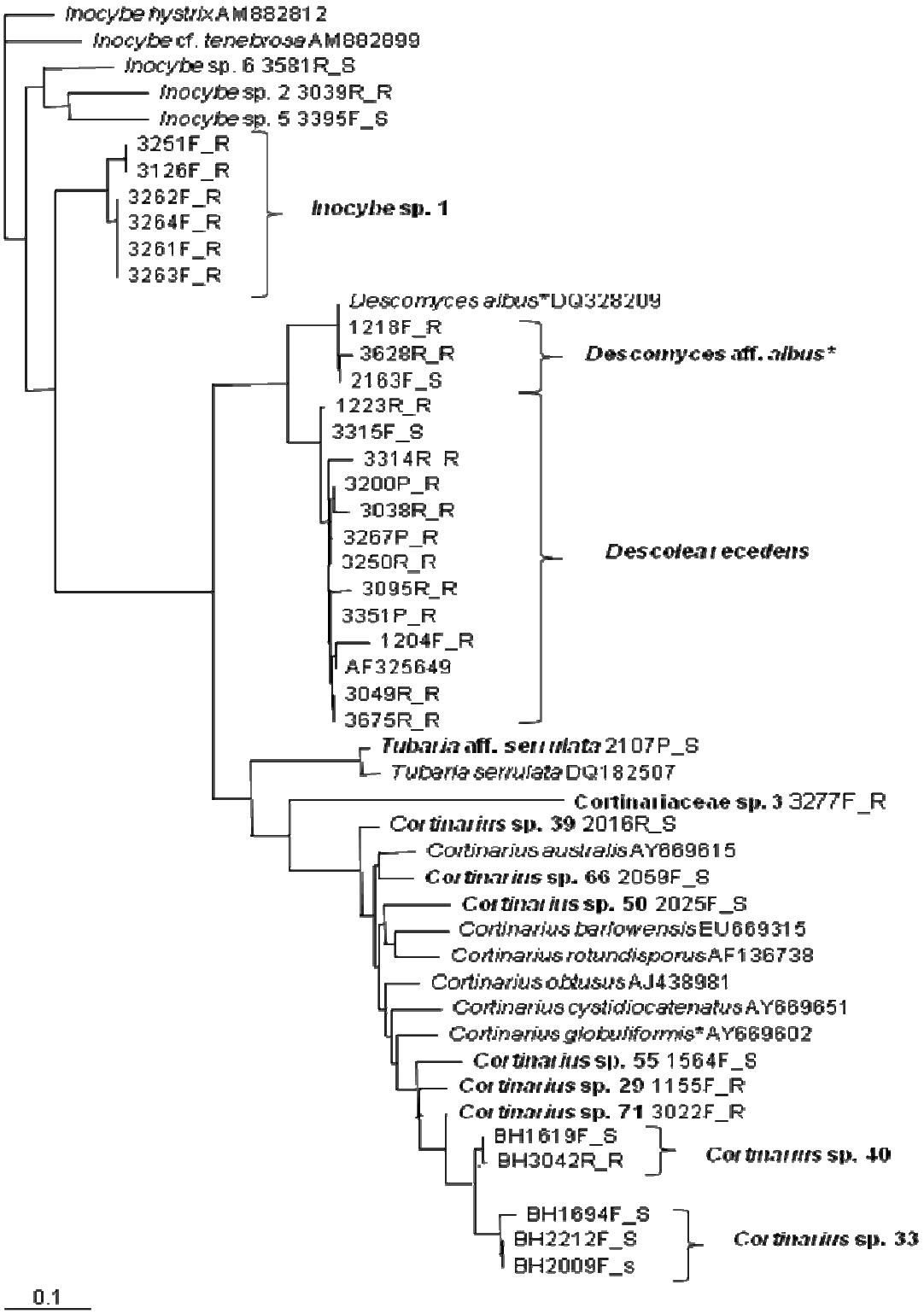
A24.5 Cortinariaceae detail, upper part of tree



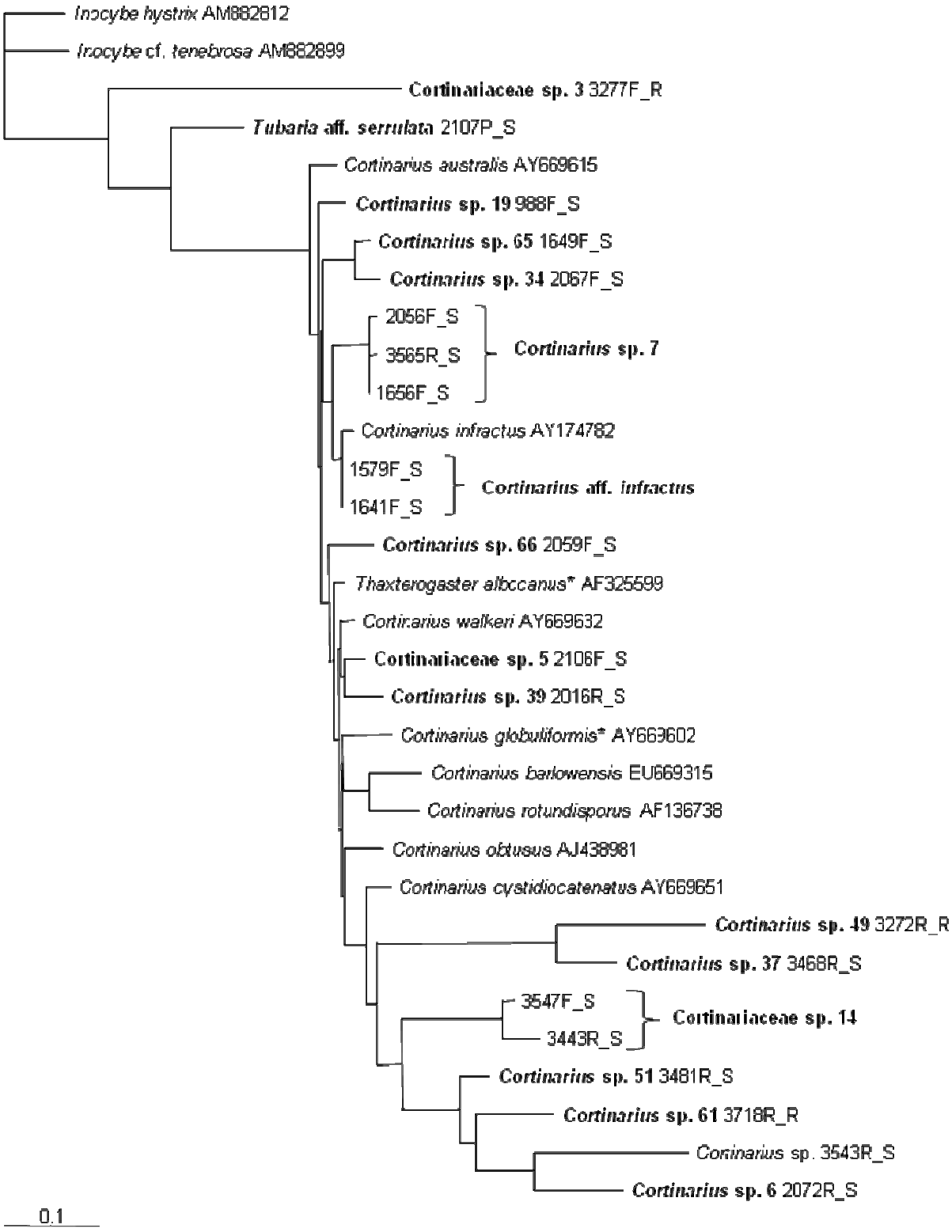
A24.6 Cortinariaceae detail, lower part of tree



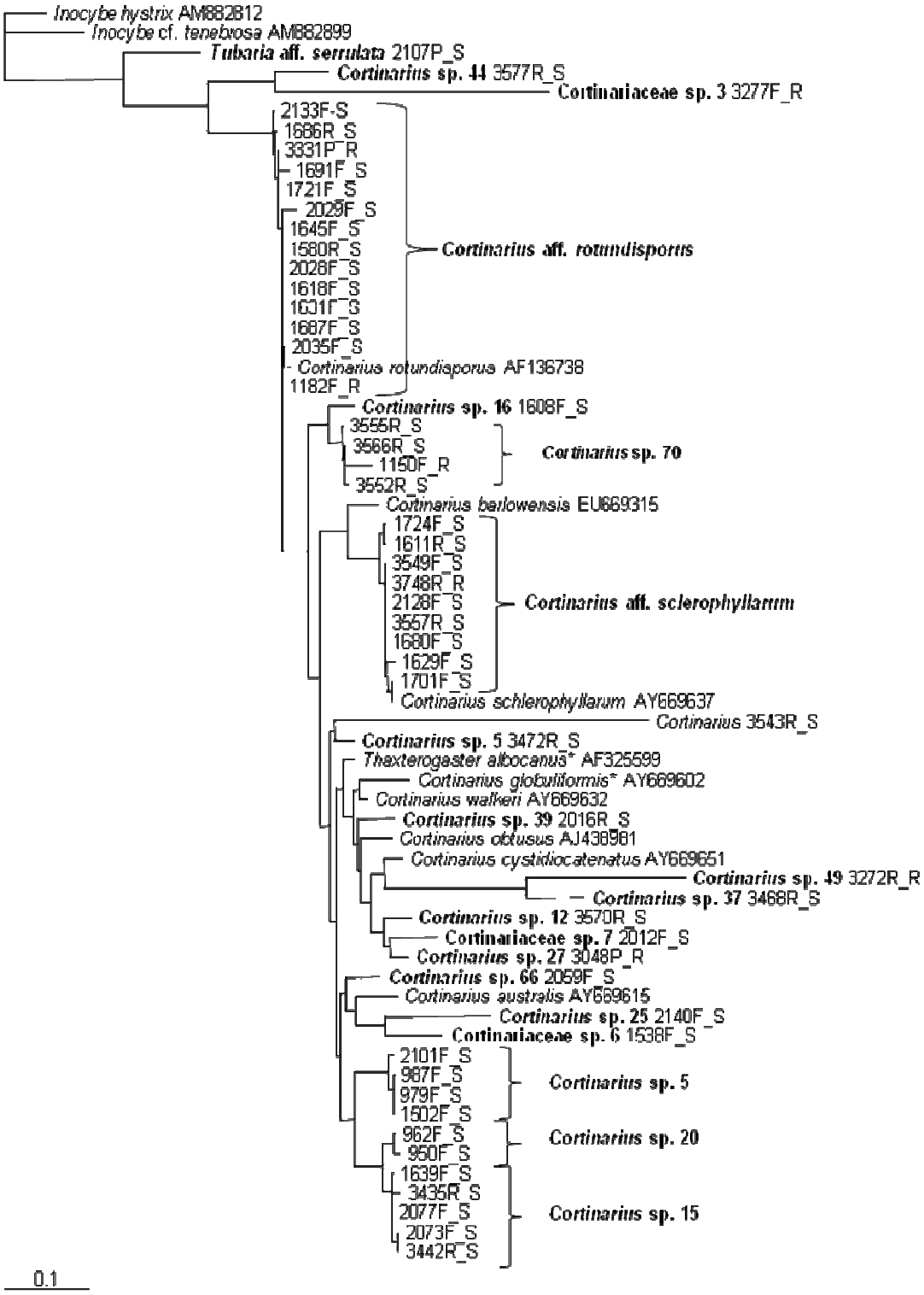
A24.7 Cortinacriaceae group 1 – includes Inocybaceae, *Descomyces* & *Descolea*



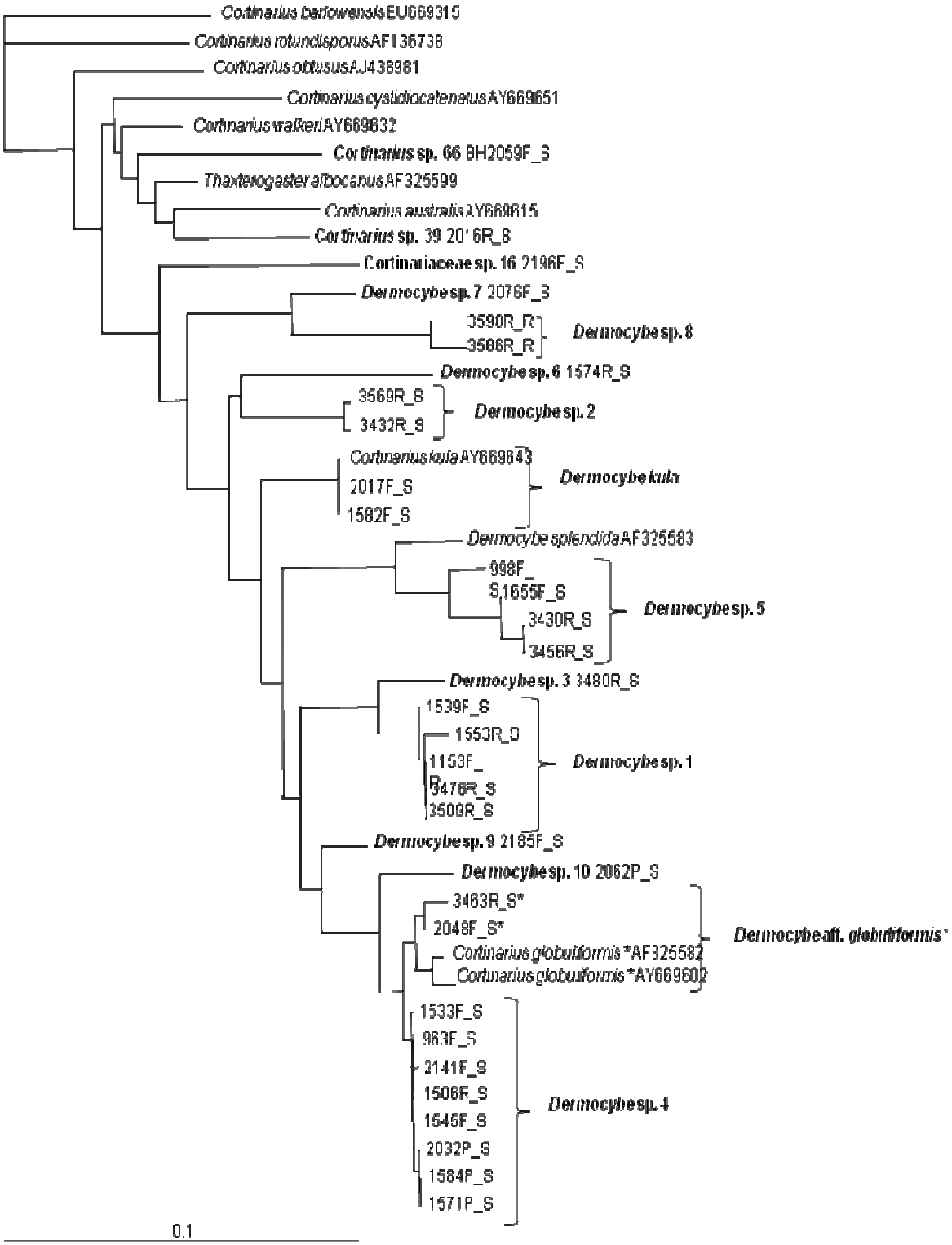
A24.8 Cortinariaceae group 2 – includes *Cortinarius* aff. *infractus*



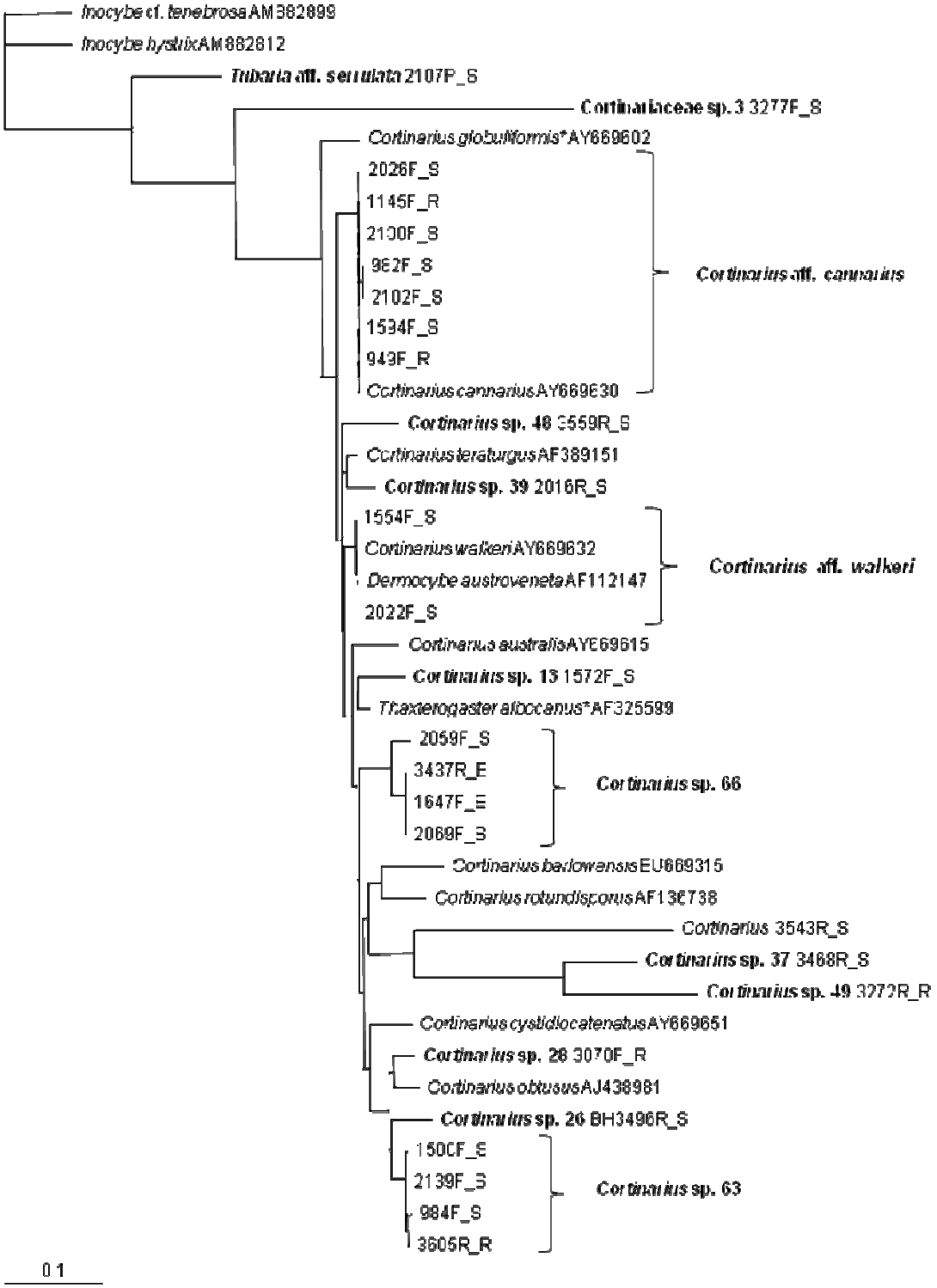
A24.9 Cortinariaceae group 3 – includes *Cortinarius* aff. *rotundisporus* and *Cortinarius* aff. *sclerophyllarum*



A24.10 Cortiariaceae group 4 – includes *Dermocybe* spp.

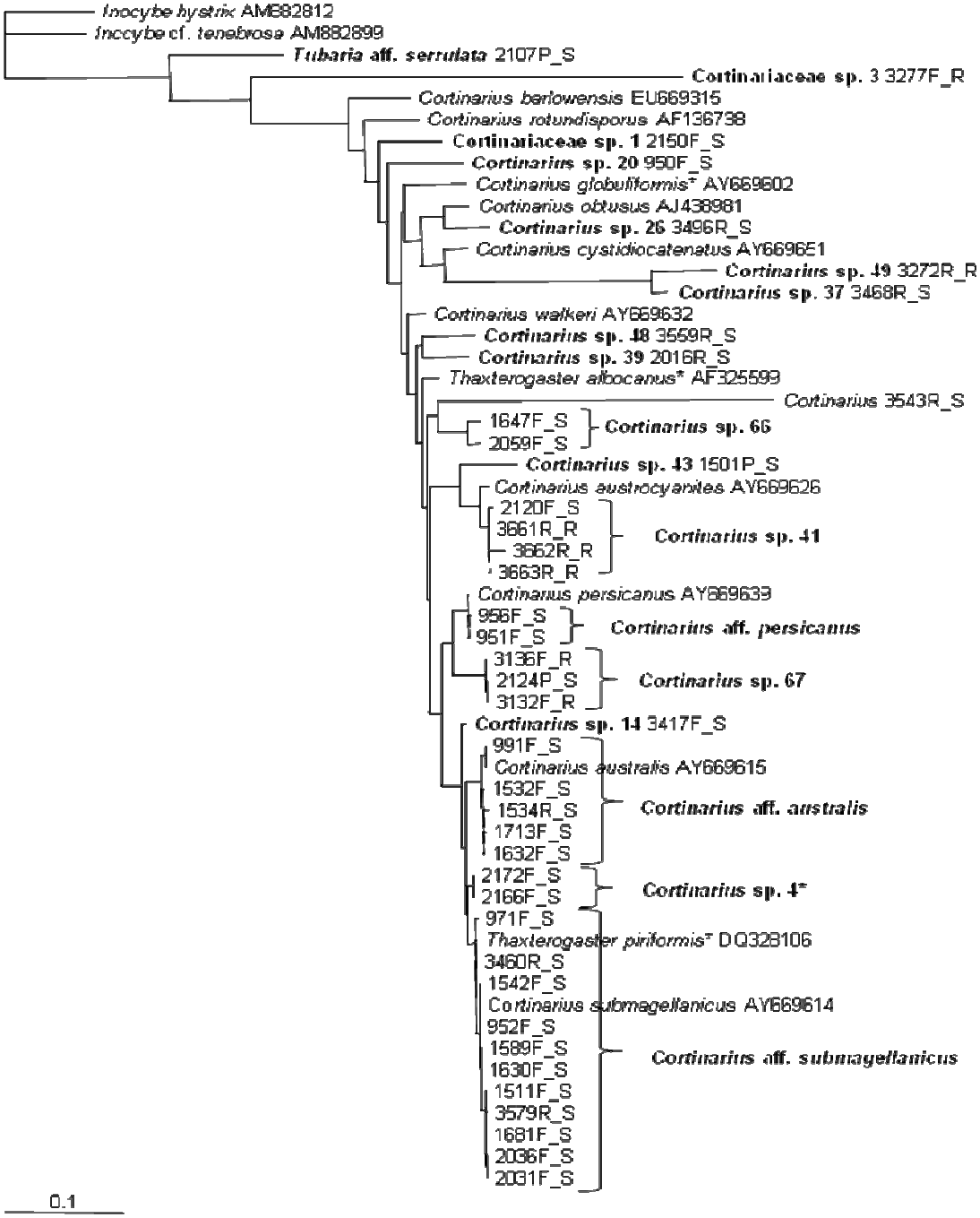


A24.11 Cortinariaceae group 5 – includes *Cortinarius* aff. *cannarius* and *Cortinarius* aff. *walkeri*

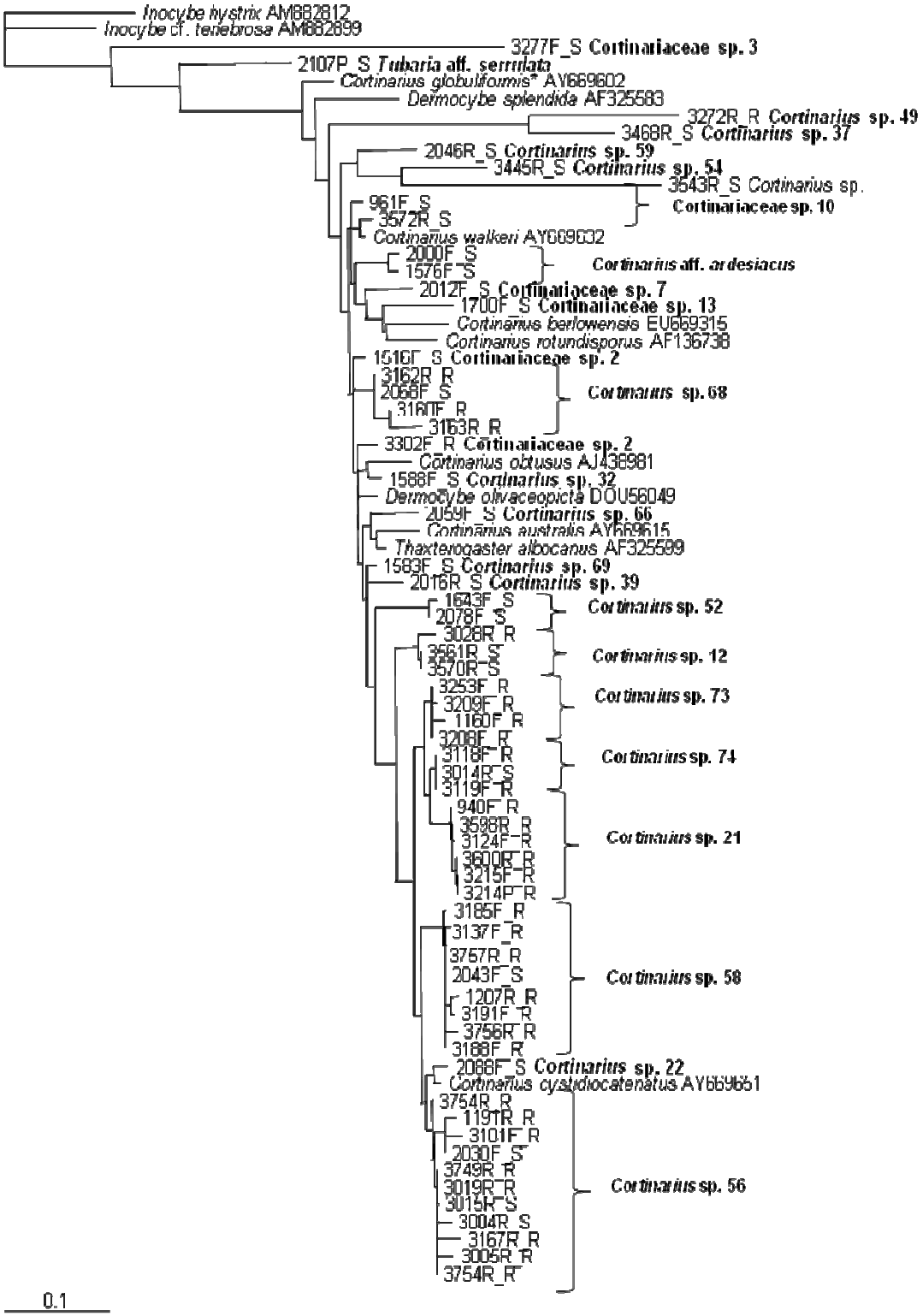


A24.12 Cortinariaceae group 6 – includes *Cortinarius* aff. *submagellanicus* and *Cortinarius* aff. *australis*

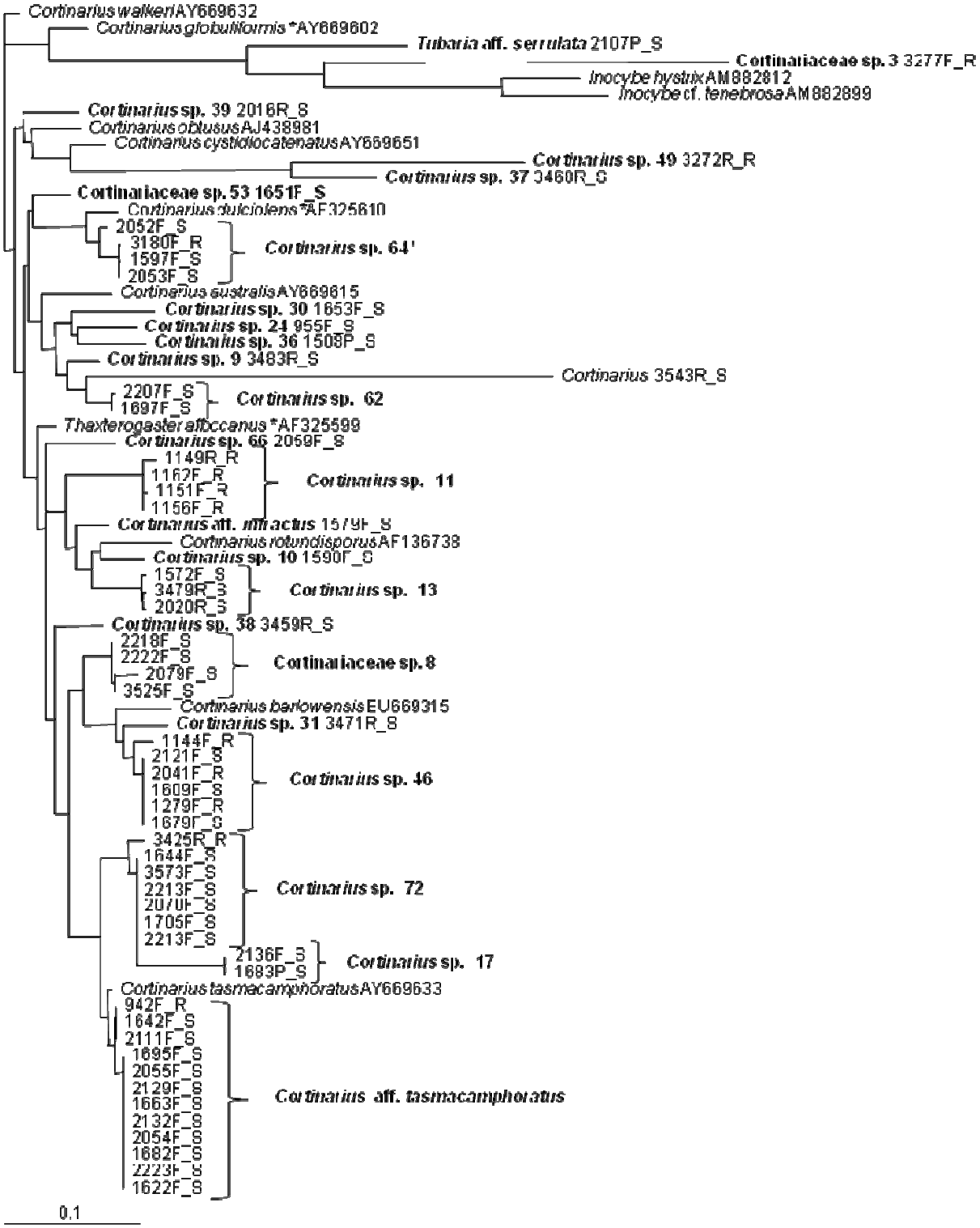
ITS sequences do not discriminate *Thaxtergaster piriformis* DQ 328106 from *Cortinarius submagellicanus* but but sporocarp morphology indicates that these collections are closer to the latter group.



A24.13 Cortinariacae group 7 – includes *Cortinarius* aff. *ardesiacus*



A24.14 Cortinariaceae group 8 – includes *Cortinarius* aff. *tasmacamphoratus*

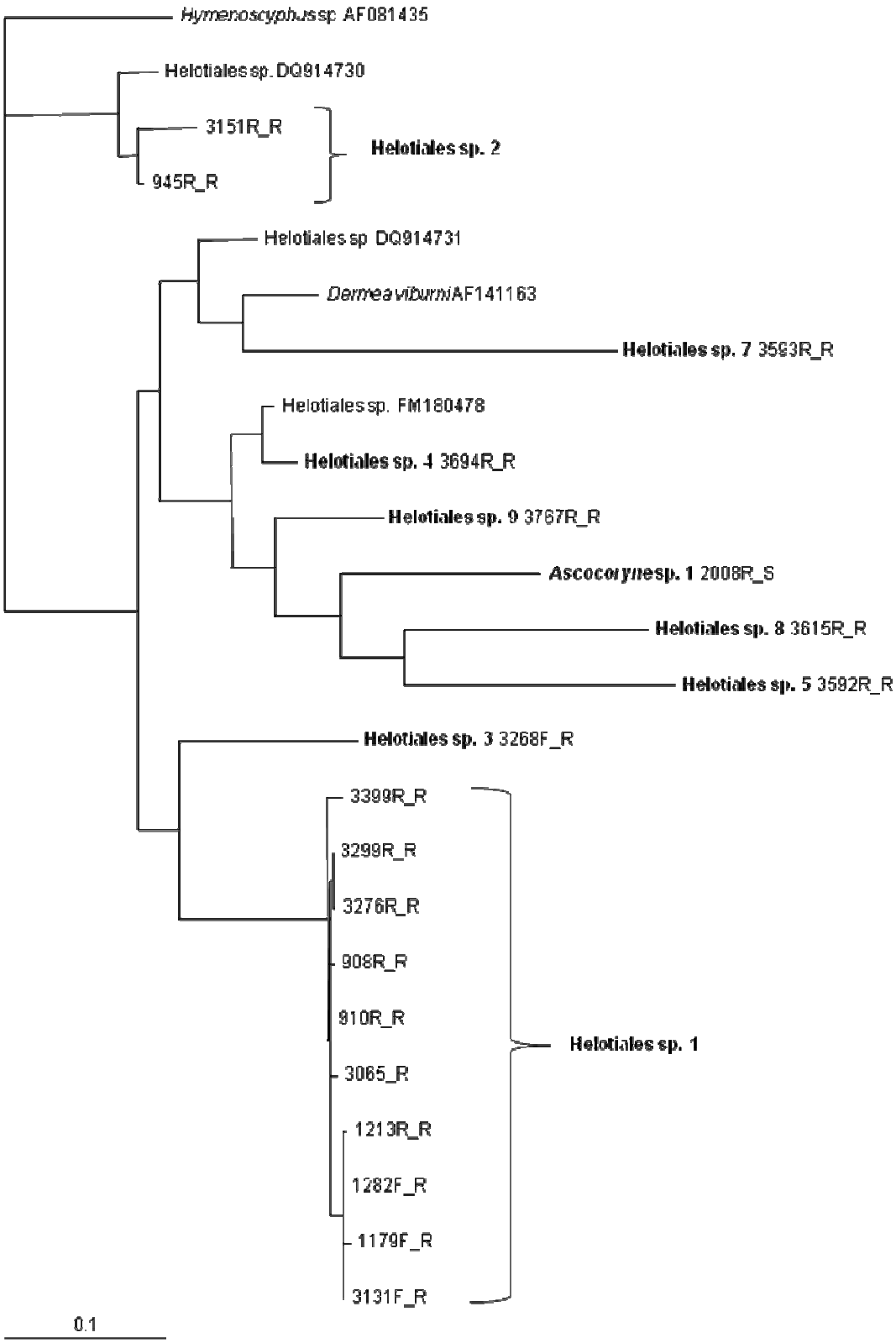


A24.15 Helotiales

Hymenoscyphus sp. AF081435 - Monreal, M., Berch, S.M. and Berbee, M. (1999) Molecular diversity of ericoid mycorrhizal fungi. *Can. J. Bot.* **77**: 1580-1594

Helotiales sp. DQ914731 - Collado, J., Platas, G., Paulus, B. and Bills, G.F. (2007) High-throughput culturing of fungi from plant litter by a dilution-to-extinction technique. *FEMS Microbiol. Ecol.* **60(3)**: 521-533

Dermea viburni AF141163 - Abeln, E.C.A., de Pagter, M.A. and Verkley, G.J.M. (2000) Phylogeny of *Pezicula*, *Dermea* and *Neofabraea* inferred from partial sequences of the nuclear ribosomal RNA gene cluster. *Mycologia* **92(4)**: 685-693


Hymenoscyphus sp. AF081435
Helotiales sp. DQ914730
3151R_R
945R_R
Helotiales sp. 2
Helotiales sp. DQ914731
Dermea viburni AF141163
Helotiales sp. 7 3593R_R
Helotiales sp. FM180478
Helotiales sp. 4 3694R_R
Helotiales sp. 9 3767R_R
***Ascocoryne* sp. 1** 2008R_S
Helotiales sp. 8 3615R_R
Helotiales sp. 5 3592R_R
Helotiales sp. 3 3268F_R
3399R_R
3299R_R
3276R_R
908R_R
910R_R
3065_R
1213R_R
1282F_R
1179F_R
3131F_R
Helotiales sp. 1
0.1

A24.16 Hydnangicaeae

Laccaria montana DQ149865 and *Laccaria montana* DQ149862 - Osmundson, T.W., Cripps, C.L. and Mueller, G.M. (2005) Morphological and molecular systematics of Rocky Mountain alpine *Laccaria*. *Mycologia* **97(5)**: 949-972

Laccaria amethystina AM113953 - Kjoller,R. (2006) Disproportionate abundance between ectomycorrhizal root tips and their associated mycelia. *FEMS Microbiol. Ecol.* **58(2)**: 214-224

Laccaria amethystina EU819476 - Palmer, J.M., Lindner, D.L. and Volk, T.J. (2008) Ectomycorrhizal characterization of an American chestnut (*Castanea dentata*)-dominated community in Western Wisconsin. *Mycorrhiza* **19(1)**: 27-36

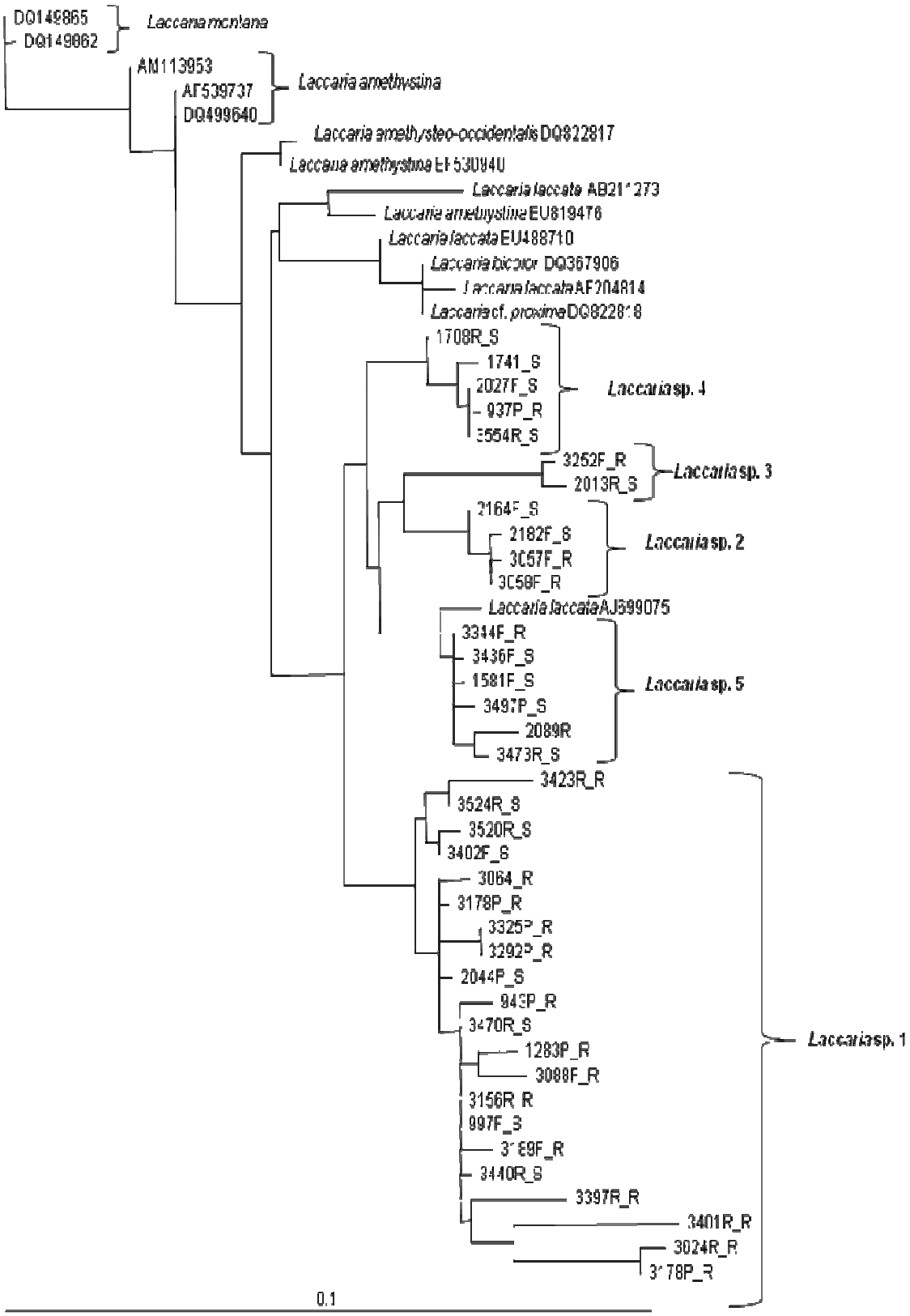
Laccaria laccata AB211273 - Nara,K. (2006) Ectomycorrhizal networks and seedling establishment during early primary succession *New Phytol.* **169(1)**: 169-178

Laccaria laccata AF204814 - Kikuchi, K., Matsushita, N., Guerin-Laguette, A., Ohta, A. and Suzuki, K. (2000) Detection of *Tricholoma matsutake* by specific ITS primers. *Mycol. Res.* **104(12)**: 1427-1430

Laccaria cf. *proxima* DQ822818 - Peay, K.G., Bruns, T.D., Kennedy, P.G., Bergemann, S.E. and Garbelotto, M. (2007) A strong species-area relationship for eukaryotic soil microbes: island size matters for ectomycorrhizal fungi. *Ecol. Lett.* **10(6)**: 470-480

Possible mis-identification of several sequences at the base of the tree as *Laccaria laccata*, *L. amethystina*, *L. bicolor* and *L. proxima* do not form monophyletic clades. Many Australian Laccaria species are frequentyl mis-identified (Tom May, personal communication).

Laccaria sp. 1 appears to encompass a high level of sequence variation, but much of this is due to noisy sequences for four of the samples. Time and resource constraints did not allow these sequences to be repeated.


DQ149865
DQ149862
Laccaria montana
AM113953
AF539737
DQ499640
Laccaria amethystina
Laccaria amethysteo-occidentalis DQ822817
Laccaria amethystina EF530944
Laccaria laccata AB211273
Laccaria amethystina EU819476
Laccaria laccata EU488710
Laccaria bicolor DQ367906
Laccaria laccata AF204814
Laccaria cf. proxima DQ822818
1708R_S
1741_S
2027F_S
937P_R
3554R_S
Laccaria sp. 4
3252F_R
2013R_S
Laccaria sp. 3
2164F_S
2182F_S
3057F_R
3059F_R
Laccaria sp. 2
Laccaria laccata AJ599075
3344F_R
3436F_S
1581F_S
3497P_S
2089R
3473R_S
Laccaria sp. 5
3423R_R
3524R_S
3520R_S
3402F_S
3064_R
3178P_R
2044P_S
3470R_S
1283P_R
3088F_R
3156R_R
997F_S
3440R_S
3397R_R
3401R_R
3024R_R
0.1
Laccaria sp. 1

A24.17 Russulaceae overview

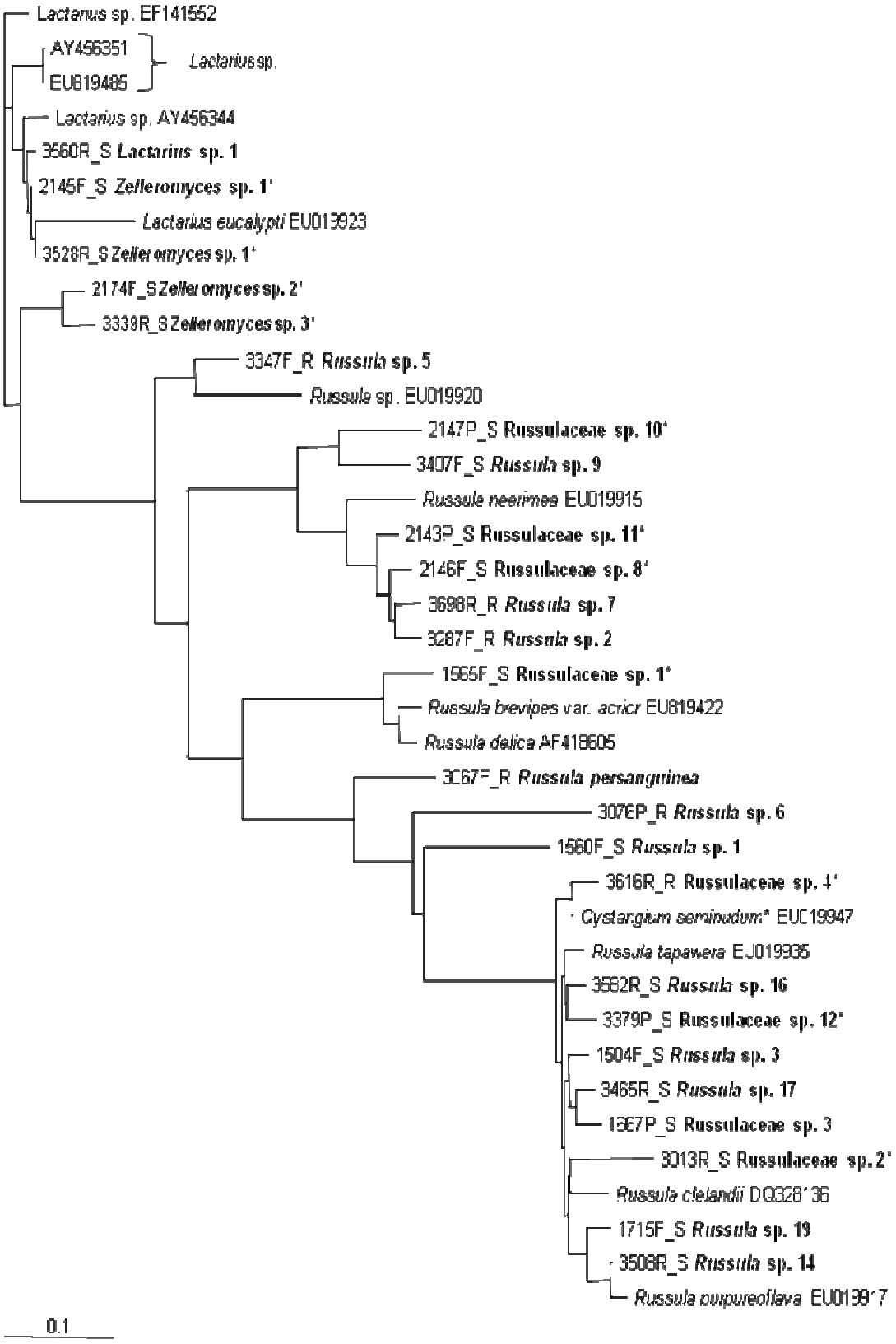
Lactarius rufus DQ116912 - Hortal, S., Pera, J., Galipienso, L. and Parlade, J. (2006) Molecular identification of the edible ectomycorrhizal fungus *Lactarius deliciosus* in the symbiotic and extraradical mycelium stages. *J. Biotechnol.* **126(2):** 123-134

Russula brevipes var. acrior EU819422, *Lactarius imperceptus* EU819485 - Palmer, J.M., Lindner, D.L. and Volk, T.J. (2008) Ectomycorrhizal characterization of an American chestnut (*Castanea dentata*)-dominated community in Western Wisconsin. *Mycorrhiza* **19(1)**: 27-36

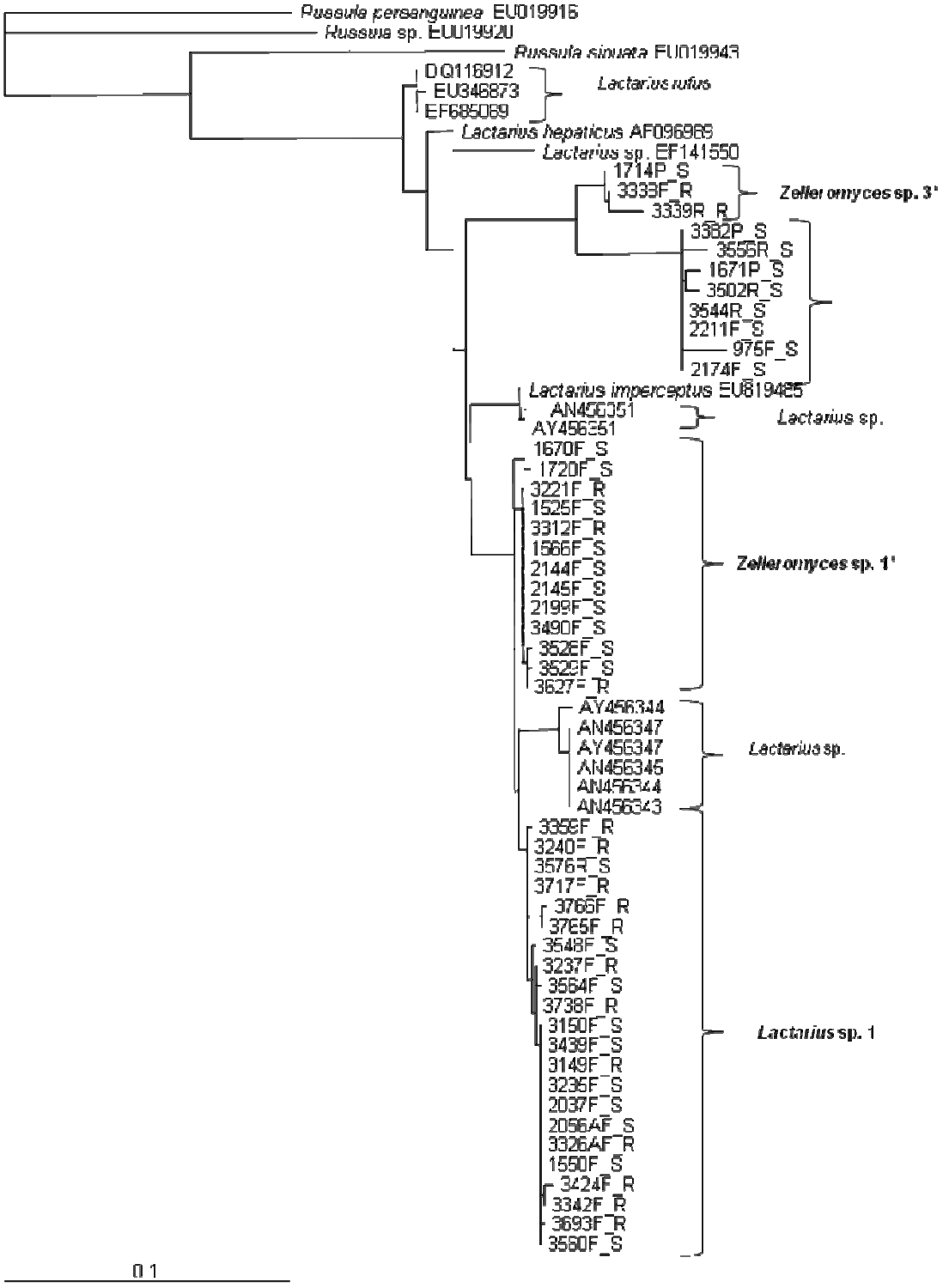
Lactarius sp. AY456344 and *Lactarius* sp. AY456347 - Edwards, I.P., Cripliver, J.L., Gillespie, A.R., Johnsen, K.H., Scholler, M. and Turco, R.F. (2004) Nitrogen availability alters macrofungal basidiomycete community structure in optimally fertilized loblolly pine forests *New Phytol.* **162(3)**: 755-770

Russula rubrolute EU019940, *Russula tapawera* EU019942, *Cystangium seminudum* EU019947, *Russula* sp. EU019920, *Russula persanguinea* EU019916, *Russula sinuata* EU019943 - Lebel,T. and Tonkin,J.E.(2007) Australasian species of *Macowanites* are sequestrate *Russula* (Russulales, Basidiomycota). *Aust. Syst. Bot.* **20**: 355-381

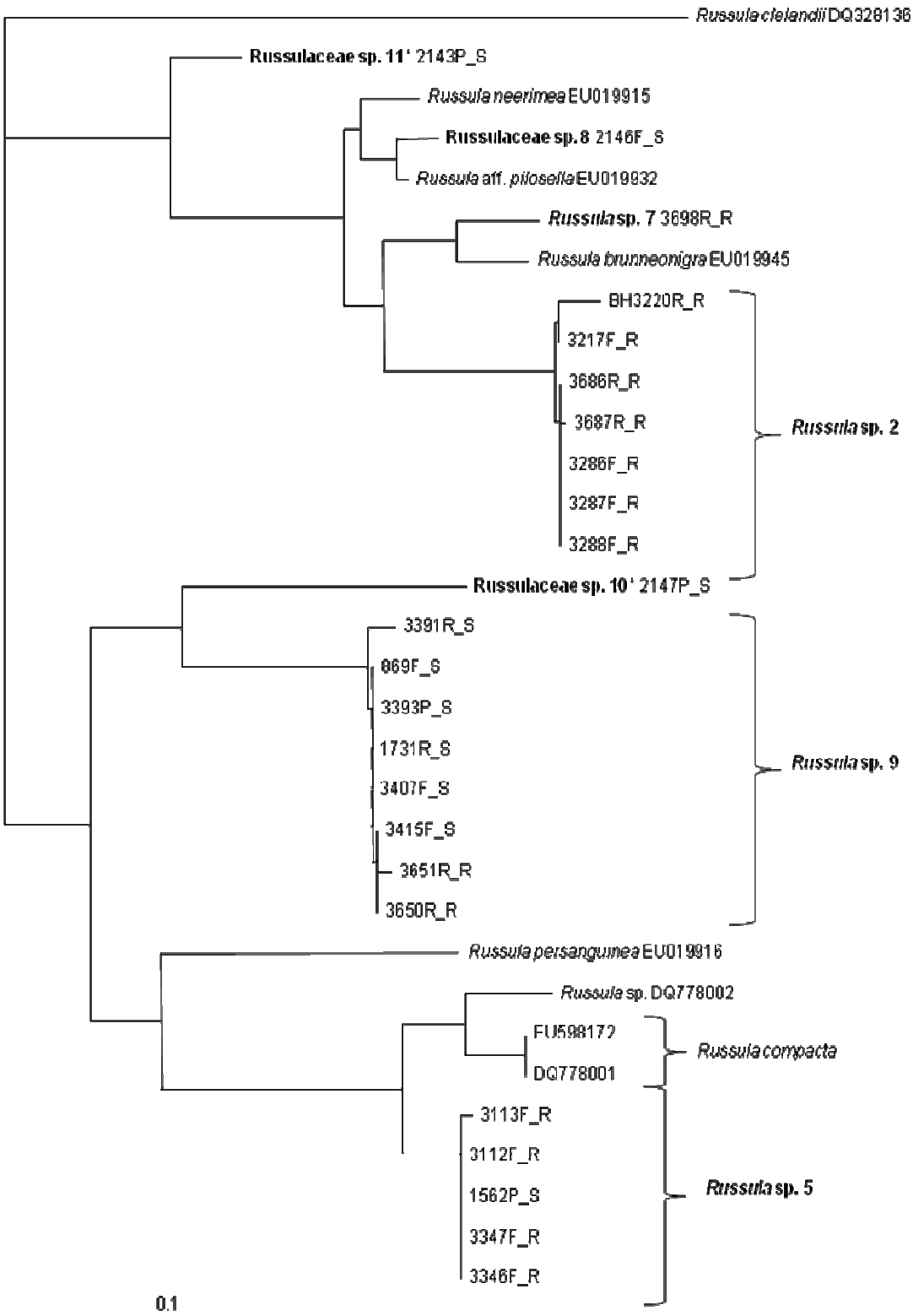
Russula sp. EU569277 - Morris, M.H., Perez-Perez, M.A., Smith, M.E. and Bledsoe, C.S. (2008) Multiple species of ectomycorrhizal fungi are frequently detected on individual oak root tips in a tropical cloud forest. *Mycorrhiza* **18(8)**: 375-383


Lactarius sp. EF141552
AY456351
EU819485
Lactarius sp.
Lactarius sp. AY456344
3560R_S Lactarius sp. 1
2145F_S Zelleromyces sp. 1'
Lactarius eucalypti EU019923
3528R_S Zelleromyces sp. 1'
2174F_S Zelleromyces sp. 2'
3339R_S Zelleromyces sp. 3'
3347F_R Russula sp. 5
Russula sp. EU019920
2147P_S Russulaceae sp. 10'
3407F_S Russula sp. 9
Russula neerimea EU019915
2143P_S Russulaceae sp. 11'
2146F_S Russulaceae sp. 8'
3698R_R Russula sp. 7
3287F_R Russula sp. 2
1565F_S Russulaceae sp. 1'
Russula brevipes var. acrior EU819422
Russula delica AF418605
3067F_R Russula persanguinea
3076P_R Russula sp. 6
1560F_S Russula sp. 1
3616R_R Russulaceae sp. 4'
Cystangium seminudum* EU019947
Russula tapawera EJ019935
3562R_S Russula sp. 16
3379P_S Russulaceae sp. 12'
1504F_S Russula sp. 3
3465R_S Russula sp. 17
1567P_S Russulaceae sp. 3
3013R_S Russulaceae sp. 2'
Russula clelandii DQ328736
1715F_S Russula sp. 19
3508R_S Russula sp. 14
Russula purpureoflava EU019917
0.1

A24.18 Russulaceae group 1 – *Lactarius* sp. and *Zelleromyces* spp.

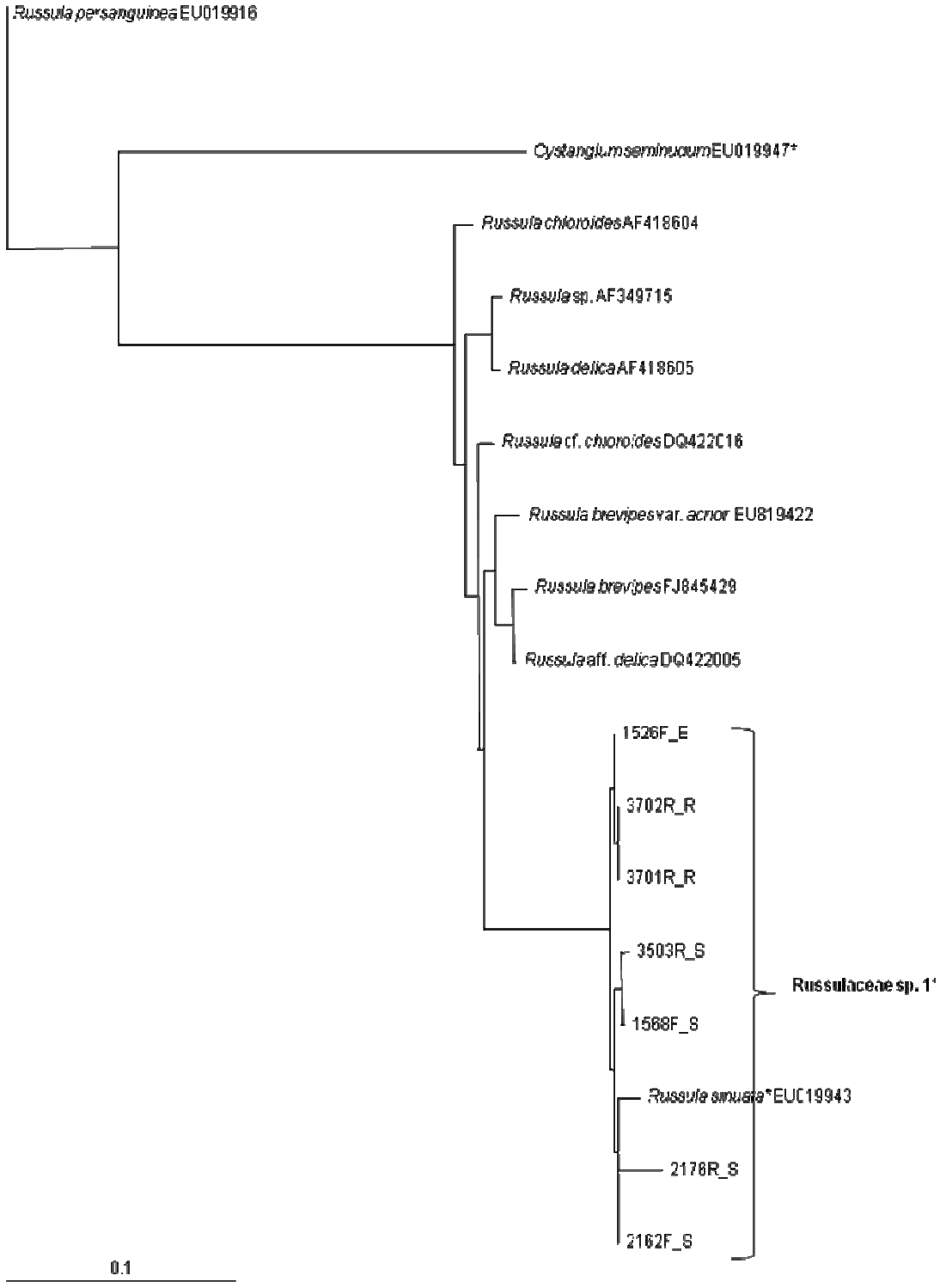


A24.19 Russulaceae group 2 – *Russula* spp.

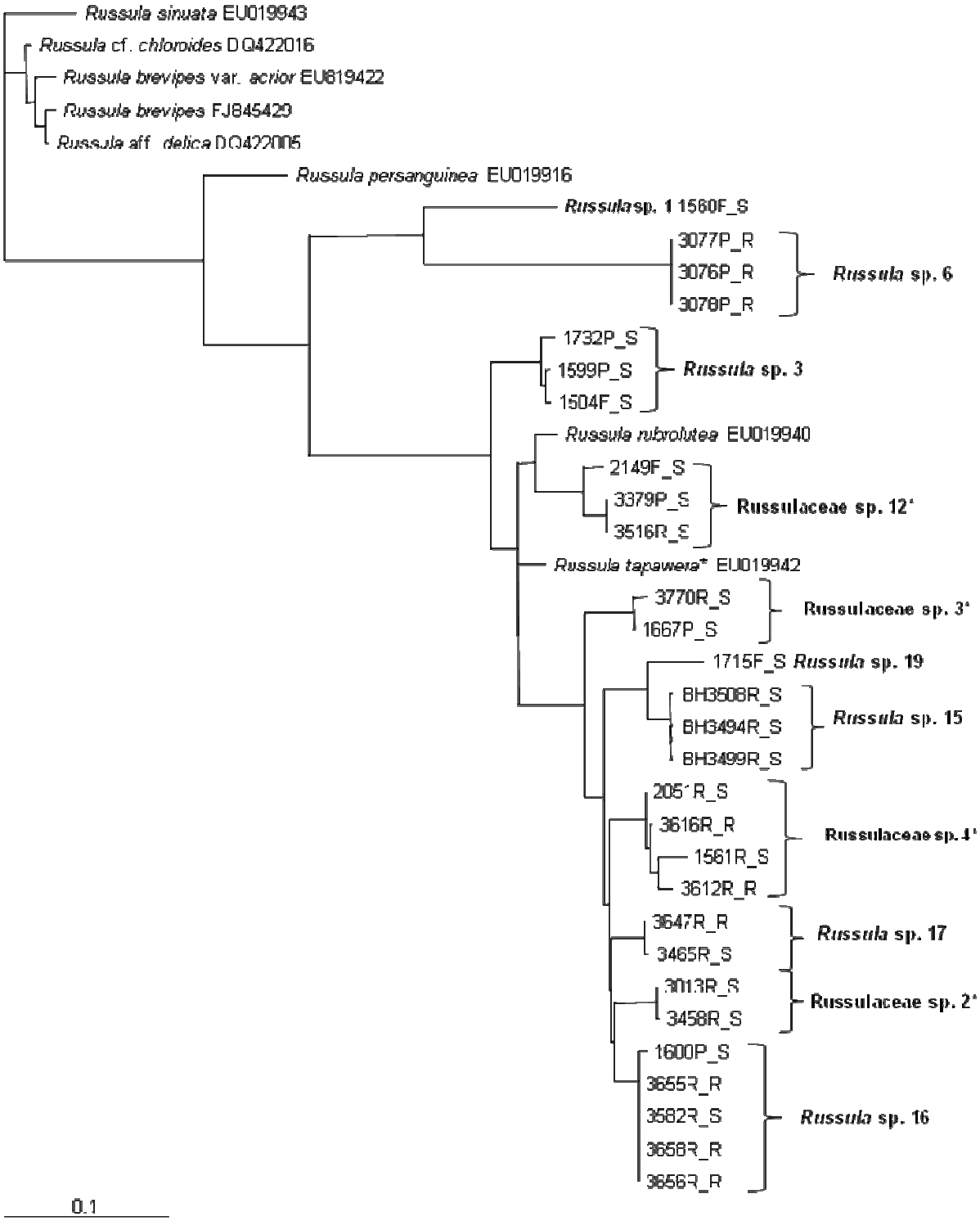


A24.20 Russulaceae group 3 – *Russula persanguinea*

A24.21 Russulaceae group 4 – Russulaceae sp. 1



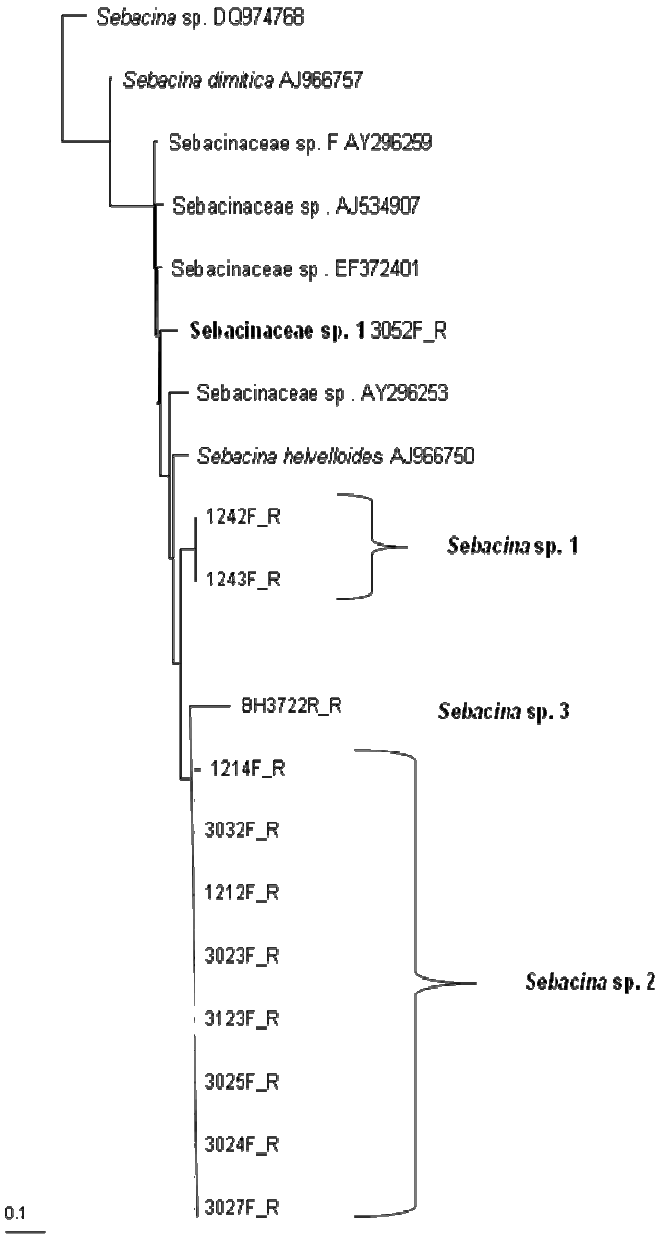
A24.22 Russulaceae group 5 – Russulaceae spp.



A24.23 Sebacinaceae

Sebaciniaceae sp. AJ534910 and Sebacinaceae sp . AJ534907 - Tedersoo, L., Hallenberg, N., Larsson, K.H. and Koljalg, U. (2003) Fine scale distribution of ectomycorrhizal fungi and roots across substrate layers including coarse woody debris in a mixed forest. *New Phytol.* **159**: 153-165

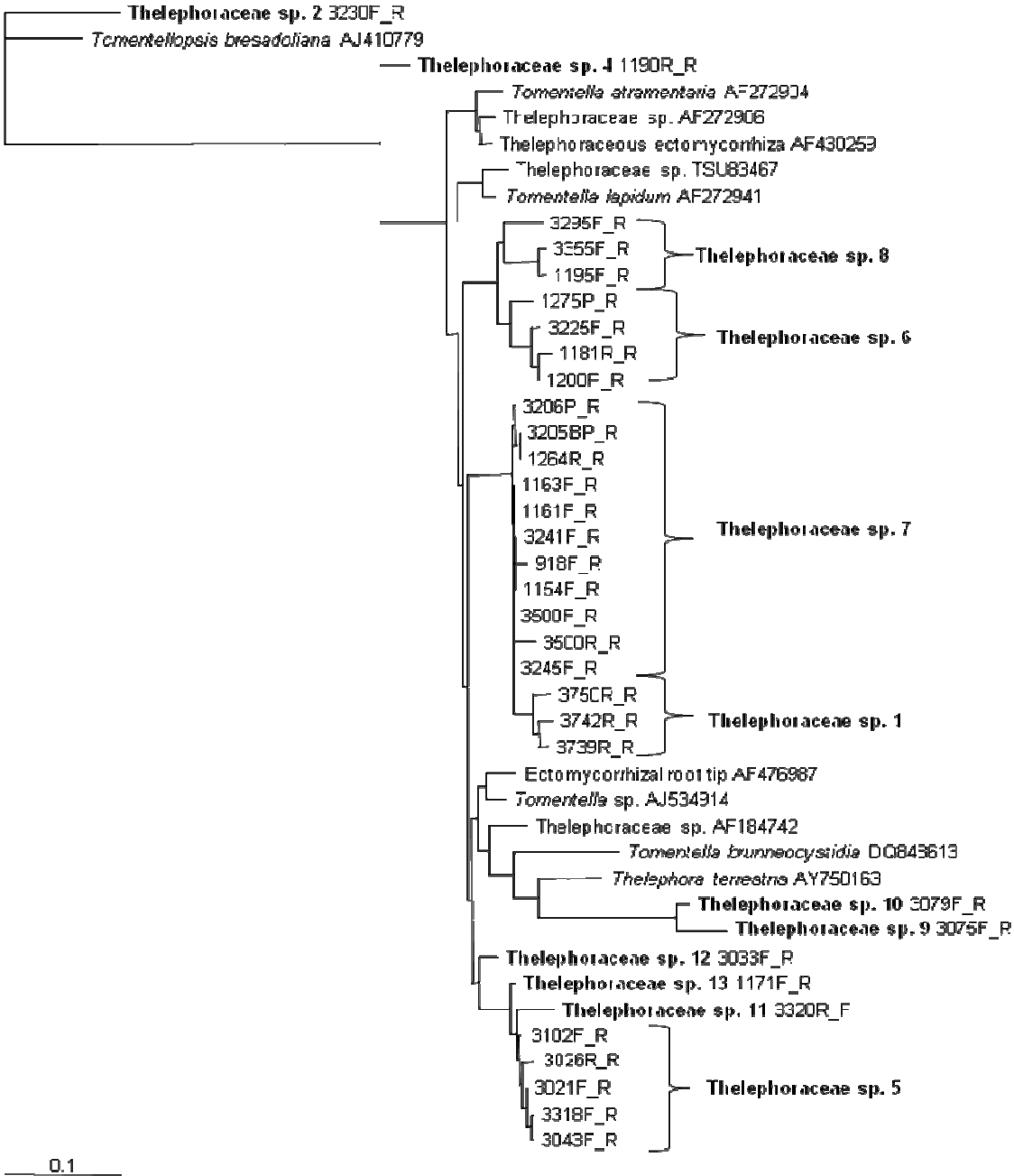
Sebacina helvelloides AJ966750 - Tedersoo, L., Suvi, T., Larsson, E. and Koljalg, U. (2006) Diversity and community structure of ectomycorrhizal fungi in a wooded meadow. *Mycol. Res.* **110(6)**: 734-748.



A24.24 Thelephoraceae

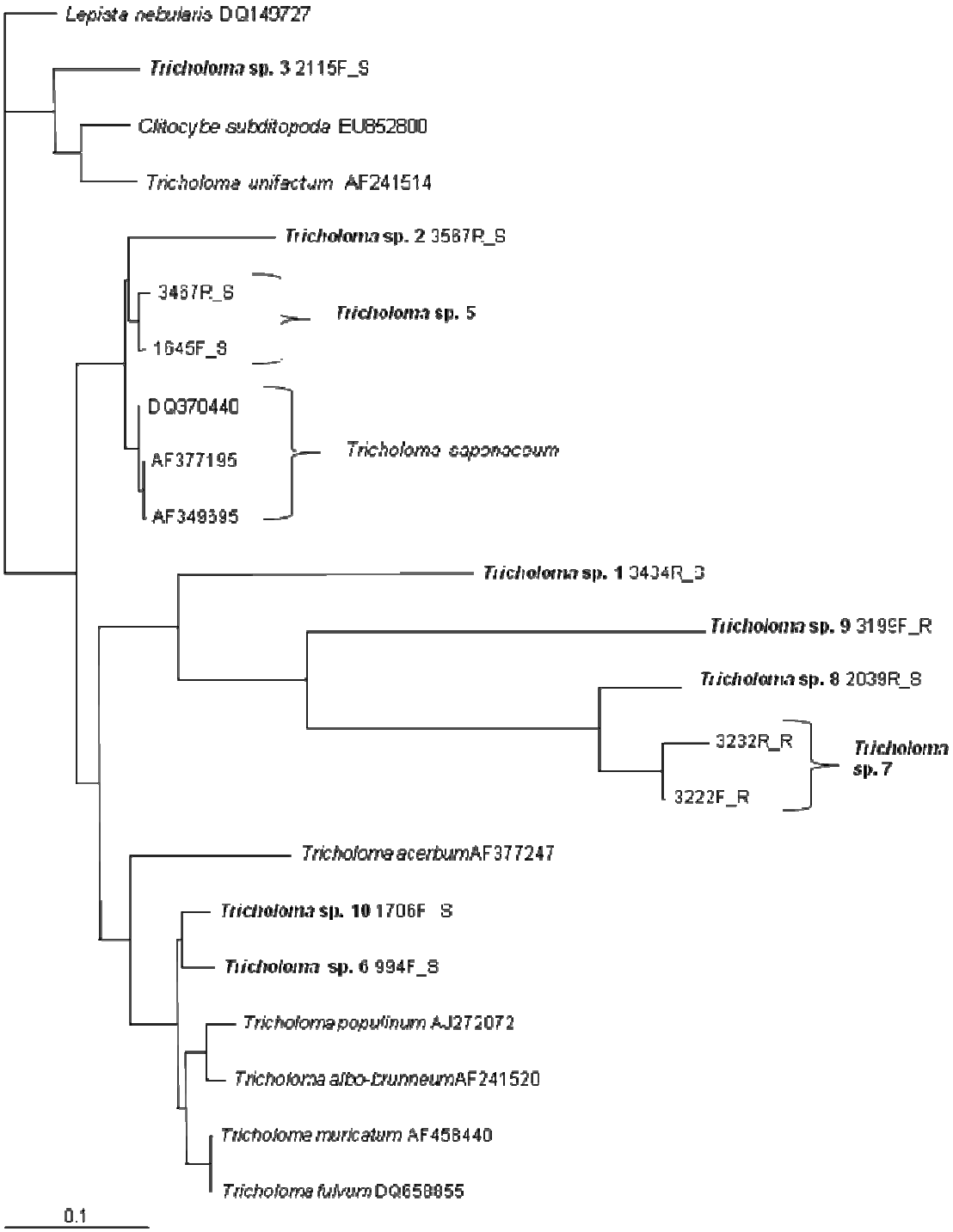
Tomentellopsis bresadoliana AJ410779 - Koljalg, U., Tammi, H., Timonen, S., Agerer, R. and Sen, R. (2002) ITS rDNA sequence-based phylogenetic analysis of *Tomentellopsis* species from boreal and temperate forests, and the identification of pink-type ectomycorrhizas. *Mycol. Prog*. **1(1)**: 81-92

Tomentella lapidum AF272941 - Koljalg, U., Dahlberg, A., Taylor, A.F., Larsson, E., Hallenberg, N., Stenlid, J., Larsson, K.H., Fransson, P.M., Karen, O. and Jonsson, L. (2000) Diversity and abundance of resupinate thelephoroid fungi as ectomycorrhizal symbionts in Swedish boreal forests. *Mol. Ecol.* **9(12)**: 1985-1996



A25.25 Tricholomataceae

Tricholoma saponaceum AF377195 and *Tricholoma acerbum* AF377247 - Bidartondo, M.I. and Bruns, T.D. (2002) Fine-level mycorrhizal specificity in the Monotropoideae (Ericaceae): specificity for fungal species groups. *Mol. Ecol.* **11(3)**: 557-569



Appendix 25 Representative ectomycorrhizal fungal OTU rDNA sequences from sporocarps and root tips.

Agaricales sp 1. Molecular sample BH2103F. Sporocarp specimen voucher=T905.
GATCATTAATGAACTTGGTTGGGTTGTTGCTGGCTCTCTGGAGCATGTGCACGCCTACTCCATTTCAACCACCTGTGCA
CCTTTTGTAGACATGGACAACTCTCGAGAAAGTTTTTCTCGGATTTAGAAAATTGCTGTGTGAAAGCCAGCTTCTTCTT
ATGTTCCTAGTCTATGTTTTTTCATATACCCTATAAAATGTAATAGAATGTTGCTATAGGCTTTTTGTGCCTTTAAAAA
CAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATT
GCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGT
CATGAAATTCTCAACCTCTCTGGCTTGTATAAGCTGGGGTTAGGTTTGGATTGTGGGAGTTTGCTGGCTTTTCAAGTCA
GCTCTCCTCAAATGCATTAGCGAGATCATGTGCTGGTTTTCTCGTGGTATGATAATTATCTATACTACTGAGAATCAGA
TTCCTTTATAGGAAGATTTTGCTTCTAATAATCTCAATTTGAGATAGCAATGACCATTTTTAACCTCAAATCAGGTAGG

Agaricales sp. 2. Molecular sample BH2117F. Sporocarp specimenvoucher=T929.
GATCATTAATGGATTACTTGGCTAGGCTGCTGCTGGCTCTTTTAGGGGAGCATGTGCACGCCTTCCAATAGTTGTTCAT
ATACCCTATGTGCACCTTTTGTAGGCTAAGAACATCTCTCAAGGGGGGAGACCTCTTGGACTTTTGGGAACTGCTGCGT
CTATTTTTAGAACCAGCTGTTCTTGTGTTCCTAGTCTATGTCTATTCTATAACACACCCCATATGCATGTAACAGAATG
TGGTTTAATGAGCCCTTTGTGGCTTTAAAAACTAATACAACTTTCAACAACGGATCTCTTGGCTCTTGCATCGATGAAG
AACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCT
TGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTTATTTCTCAAATCATGCAAGTGTGTTGCTGGCACTAGCACAAC
CACTTCATGGTTTGGATATGGGATTCTGCTGGTTTCTAAACATGTCCAGCTGTCCTGAAATGTATTAGCAAGGCTCTTG
TTGCTAGTGCTCATGGTGTGATAAATATCTATGCCAACGAGTGTAGCTTTTAAGGGTGTCTGGCTTATAACAGTCTCTC
TTTATGGGACAAAATGCATTCTGACCACTTGACCTCAAATCAGGTAGG

Agaricales sp. 3. Molecular sample BH3674R. Root tips.
GATCATTATTGAATACGATTGGTACTGATGCTGGCTCTTCACTGAGCATGTGCTCGTCCATCTATTTATCTTCTCTTGTG
CACATCTTGTGGTCTTGAATTGAAACCTTTTCGCATTCGTGCGGTTTGGGAGAATGTTAACCCTTCTCCTGCTTCTTCAA
GGCCATGTTTTCATATACACTATAAAGTTACAGAATGTCTTTTAACGATTGTGCTTGTCGCAGTCATTAAACCTATACAA
CTTTCAGCAACGGATCTCTTGGCTCTCCTATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTC
AGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTGTCATCAAATTA
TCAACCTTGCTCGCTTTTACTAGCTTGAGTTAGGCTAGGATGTGAGGGCTTTGCTGGCTTCCTTCAGTGGATGGTCTGCT
CCCTTTAAATGCATTAGTGGGATCTCTTGTGGACCGTCACTTGGTGTGATAATTATCTATGCCCTTTGACTTTGAACCAA
ACTAATGGGAACCTGCTCATCACGGTCTTCTAGCCAACTCTTGACAGGTGACAT

Agaricales sp. 4. Molecular sample BH3301BR. Sporocarp specimen voucher=T110
GATCATTATTGAATACGATTGGTACTGATGCTGGCTCTTCACTGAGCATGTGCTCGTCCATCTATTTATCTTCTCTTGT
GCACATCTTGTGGTCTTGAATTGAAACCTTTTCGCATTCGTGCGGTTTGGGAGAATGTTAGCCCTTCTCCTGCTTCTTC
AAGGCCATGTTTTCATATACACTATAAAGTTACAGAATGTCTTTTAACGATTGTGCTTGTCGCAGTCATTAAACCTATA
CAACTTTCAGCAACGGATCTCTTGGCTCTCCTATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGA
ATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTGTCATTA
AATTATCAACCTTGCTCGCTTTTACTAGCTTGAGTTAGGCTTGGATGTGAGGGCTTTGCTGGCTTCCTTCAGTGGATGG
TCTGCTCCCTTTAAATGCATTAGTGGGATC

Agaricales sp. 5. Molecular sample BH3082F. Root tips.
GATCATTATTGAATACAGATTGGTGMTGCCYGCTGGCCCTTTACTGGGCATGTGCTCGTCCATCTATTTATCTTCTCTT
GTGCACATCCYGTAGTCTTGGATGAACCCTTCGCATTCGTGCGGTCTGGGAGTTTGCGATTAAACCCGCTTCTCCTGCT
TGTCCAAGGCTATGTTTTCATATACACTATAAAGTTACAGAATGTCTATTAACGACTTGTGCTAGTCACGGTCATTAAA
CCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCCTATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAAT
TGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTG
TCATTAAATTATCAACCTTGCTCGCTTTTACCGGCTTGAGTTAGGCTTGGATGTGAGGGTCTTTGCTGGCTTCCTTCAG
TGGATGGTCTGCTCCCTTTNAATGCATTAGTGGGATCTCTTGTGGACCGTCACTTGGTGTGATAATTATCTATGCCATC
TTGACTTTGAAGCAAACTAATGGGAACCTGCTCATAACCGTCCTTTACAAGGACAATCTTTGACNTTTTGACCTCAAAT
CAGGTA

Alnicolna sp. 1. Molecular sample BH2047F. Sporocarp specimen voucher=T826
GATCATTATTGAATGAACTTGGTGTGGTTGTCGCTGGCCCTCTTCGGGGGCATGTGCACGCTCATCATCCTCATCTCTC
CACCTGTGCACCTCTTGTAGACCTGGACTTTGGATCGTTCCCGAACGGTTGGGAAACTTGTTTTTCCTCAAGCATTTTT
TAGRTCTACGTTTTTCATATACCCCATAGTATGTAACAGAATGCAATCAATGGGCCTCAGTGCCTATAAAACATATACA
ACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAAT
TCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAA
TTCTCAACCTTATTGGCTTCTGCTGATAATGGCTTGGATGTGGGGGTTTATCTTTTGCCGGCTTCTTTCACGAGAGGTC
AGCTCCCCTTAAATGCATTAGCCGGTGCTCCCGCGTGGACCATCTATTGGTGTGATAATTATCTACGCCGTGGATGTCT
GCAATCATATGGGATTTTTGCGCTGCTTCTAACCGTCTGTTCAATCGGACAAAATACATGACAATTTGACCTCAAATCA
GGTAGG

Amanita sp. 1. Molecular sample BH860R. Sporocarp specimen voucher=E8711.
GATCATTATTGgagaAtgaGACTGNNCTGGCTCACCGAGCAATGTGCACGTCTCTTAATATTTCTCCACCTGTGCATGA
ATTGTAGGGGTAACTCAGGTATTTTGAGAGACTTTTAATCGAGCTCTTGGTCATTGTTATTATTATAATAATRATAWTA
TcatgccgGCgCcCNCCgCtcTgtTTcttaaCATtNTNctNGTNTtgGAtGAAGAAAAAAAAATAgTGGANaGNNAAAA
AtAATACTAACTTTCaACaANGGNTNNNNTGGNTNTNGCMTYGATGAAGRACGCAGCGAAATGCGATAAGTA ATGTGAA
TTGCAGAAATCAGTGAATCMTYGAATATTTGAACGCMTCYTGCGCTCCTTGGTWCTCCTTGGAGCATWCCTGTTTGAGT
GTCaTTATAATTATCMAAACCCAAAATAAAAGGGGTTTKGGATKGATGGGAGTKGGGGGGGNAgtgaAACCANCCTTCC
TTSAAARCMAWCCMAGGGCCKGMAWGGARGKTTTTATTgGTtgggttAAAatttgatcCTYCRGAAAAARAASCMGGCA
AAAGGGGATAATAATC

Amanita sp. 2. Molecular sample BH3424F. Sporocarp specimen voucher=T1153.
GATCATTATTGGAGTTAAAGAAGGGGCTGTTGCTGGTCCTTAAGTCCAAGGGCAAGTGCACGTCTCTTGCTATTGACTT
TTTCTACCTGTGCATGATTTGTAGACACTTGTGATTTTCAAGGCCTTGACCAGCCCTCTGTTGTTATATCAAAGTGTCT
ATGTGTACATATACACAATTGAATGTTTATAGAATGTAGATTTTTCCAAGGTGAAAATTTTTGAACCTTTGGAGGATTA
ATAATATAACTTTCAACAATGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAAT
TGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTG
TCGTTAAATTCTCAAAACCTTTGCCTATGGTAGTTTTGGATTATGGGAGTTTGCAGGTCTTGTCCTAGGCCGGCTCTCC
TGAAAAGCATTTATAGCGAGGAGGCGGTGCTCTATCGGTGTGATAAGTGAATTCGTCGCCAGGAAGAGAACCAGRCCTC
TTACGCTTTTGCTGTCATTAAGAAATGTGTTTTGACAGAAATGACAGATTTTGACCTCAAATCAGGTAGG

Amanita sp. 3. Molecular sample BH3386F. Sporocarp specimen-voucher=T1129.
GATCATTAGAGAGTGAAACTTCTGGCTGGGAAGCTGTTGTGCTGGCCCTCTGGGGCAATGTGCACACCTCTTGGCTGGT
TTGTTTCTTATCTTCCACCTGTGCACTGCCTGTAGACATGCTTCTGTGTCTATGACTTGGTAATATATTACACACATGT
TTTGCATTTTGGTTGGCATATTGTAACAATATGCATGATAAATAAATATACAACTTTCAACAATGGATCTCTTGGCTCT
CGCATCGATGAAGAACACAGCGAAATGTGATAAGTAATGTGAATTGCAGAATCCAGTGAATCATCGAATCTTTGAACGC
ATCTTGCGCTCCTTGGTATTCTGAGGAGCATGCCTGTTTGAGTGTCATTAAAATATCAAAACACGTTCCTCGGAGTGTG
TTTTGGACTTTGGGAGTGTTTTGCTGGTCTCTGTCTGAGCCAGCTCTCCTCAAAAGCATTAGCTTTGGAGACTGTCAGC
GTGATAACTTTGTTTTATGCTGGCTGAGCGTGTCTCTGCTTCATATAAGCCTCTGACCTCAAATCAGGCAGGACTACCC
GCTGAACTTAAGCATATCAATA

Amanita sp. 4. Molecular sample BH3377F. Sporocarp specimen voucher=T1119.
GATTGTCGCTGGCTCGAAAGAGCATGTGCACGCCTTTTGCTGCTTGATTTCATTCTATTTCCACCTGTGCACCCTTTGT
AGACACTTGGGGAATGAGGTCTTGATACCAAAAAGTTCTCTGGGTGTCTATGTACTTTTTGATACACACAGTTGAATGT
CTATAGAATGAGATTGTAGGCTTTTTTGATAGCCTTTAAATGATAAAATACAACTTTCAACAACGGATCTCTTGGCTCT
CGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGC
ATCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAGTATCTCAAAAAACATTATGCCTTTGGC
ATAGGTTTTTTGGACATTGGGAGTTGCCGGCTACTGATGAAAAAAAGTGGTGGGCTCTTCTGAAAAGCATTAGTTGAGG
AGCTTTGCACTCTATTGGTGTGATATACTATCTATGCCAGGAGATGCTTTATGGGAACCTCTGCTGTCTAACTGTCTTT
ATTGGACAATGTGATGAACTTGACCTCAAATCAGGTAGG

Arcangeliella sp. 1. Molecular sample BH2148F. Sporocarp specimen voucher=T991.
GATCATTATCGTACCAAATGTGTTAGGCATGCGAGGGCTGTCGCTGACCTCAAGGTCGTGCACGCCGGAGCGTGTCCTC
TCACATAACACAATCCATCTCACCCTTTGTGCACCACCGCGTGGGCCCCCTTTGGGGGGCTCGCGTTTTCACACAAAAC
CCCCCCCCTTTAAAAAGTGCAGAGTGACCTCATTTATGAAATCAATACAACTTTCAACAACGGATCTCTTGGCTCTCGC
ATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACC
TTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAAAACCTCAACCTCCTTGGTTTCTTCTGGAGAC
CGAAGGAGGCTTGGACTTTGGAGGCCTTTGCTGGTGTCTCTGCCAGCTCCTCTCAAATGAATTAGTGGGGTCCTCTTTG

CCGATCCTTGACATGTGATAAGATGCTTCCGTGTCTCGGTTTCTGGCTCTGTTGCTTTTGGGACCCGCTTCTAATCGTC
TAGACCTCGCGTCGAGACAATGTTCGAGCCACGTCTCCCTTGTCGGGAAATGTCCTCGACCTCACAGACCCTTGGCCTC
AAATCGGGTGAGACTACCCGCTGAACTTAAGCATATC

Artomyces sp. 1. Molecular sample BH966F. Sporocarp specimen voucher=T1210.
GATCATTACAGTAAAAACAAGGTCGCGGCAGTTGCTGGCCCTCTGGGGCATGTGCACGCCGCGGCCGCATCCTTCTTAC
ACCCCTGTGCACCTTTGCGTGGGGCGCCATCGGCCGCCGCCTTTGGTGCTCTGCGTTTTATCTACACACACCACGTATG
TCTACAGAATGTCTACTTGCGATAAAAAGCAAACTTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATG
AAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCC
CCTTGGTATTCCGAGGGGCACGCCTGTTTGAGTGTCGTGAACTTCTCACCCTCTACCTTTCTTTTTTGAACGGTGGTTG
CGTGGACGTGGAGGCCTTGCCGGGAAACCAACCGCTCGCGGGAGGGAATCGGCTCCTCTGAAATGCATTAGTGGAGACC
CCAGTGTTGGCCTTTCGGTGTGATAATTGTCTACGCCGTGGGGTCGCGCAAAGTGGGACCTGCTTCTAACCTTTGCCAC
CTTTCGAGGTGTGCACTTTTATCGAAACTTGACCTCAAATCAGGCGGGACTACCCGCTGAACTTAAGCATAT

Artomyces sp. 2. Molecular sample BH2064F. Sporocarp specimenvoucher=T838.
gATcaTTAYNKCTATAANCAAGGGASACGCGCCGTTGCTGGCCCTCCGGGGCATGATGCACGCCGCGATCCGCATCCTT
CTCTCACCCCTGTGCACCTTTGCGTGGGGCGCCGTTTGGCTTTTTTGCCCTTCGGTGCTCCGCGTTCTTACACACACCA
CGTATGTCTTCAGAATGTCTACTTGCGATAAAAAGCAAATTGAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCA
TCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCT
TGCGCCCCTTGGTATTCCGAGGGGCACGCCTGTTTGAGTGTCGTGAACTTCTCACCCCCGCACCTTTCTTTTGAAGGGT
CGATTCGGGGCGTGGACGTGGAGGCCTTGCCGGAATCTCTGCCGCTTGTCGGGAGGGGGATCGGCTCCTCTGAAATGCA
TTAGTGGAGACCCCAGTGTTGGCCTTCGGTGTGATAATTGTCTACGCTGTTGTGCCGCACGTCGTGGGACTCTGCTTCT
AACCCGTCGTCGTCGCCTTTTGCTAGGTGGCACGCACTTTCATCGAAACTTGACCTCAAATCAGGCGGGACTACCCGCT
GAACTTAAGCATATCAATAA

Ascocoryne sp. 1. Molecular sample BH2008R. Sporocarp specimenvoucher=T776.
GATCATTACGAAAGGAGGAGTCTCCTACCGTGGCAGCGGGCTCGCCCGCTGTCCGACGATCACGGCCCCCCTCACGGGG
GGTACCCCCCCCACCCTTGTATATTATACCTTTGTTGCTTTGGCGGGCCGCGTCAAGCCACCGGCTCACGCTGGTGAGCG
CCCGCCAGAGGCCCCAACTCTTGATTTTATGATGTCTGAGTACTATATAATAGTTAAAACTTTCAACAACGGATCTCTT
GGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTT
GAACGCACATTGCGCCCCGTGGTATTCCGCGGGGCATGCCTGTTCGAGCGTCATTATGACCAACATCACGCCTCGCGTG
GTCTTGGGGCTGGCAACTCTGCCGCCCTCAAACGCAGTGGCAGCGCCGCATGGCTCTTAGCGTAGTAATACTCCTCGCT
ATAGGGTCCTACGGTTGCCCGCCAGCAACCCCCAATCTTTACAGGTGACCTCGGATCATGTAGG

Ascomycete sp. 1. Molecular sample BH3682R. Root tips.
GATCATTACAGAGTTCTTGCCCAGCAGTGTAGATCTCCCACCCTTCGTTAATATACGTTTGGCGCTTTGGCAAGCCTGAT
AGGCCCTGGTCTAGCCACCGGCTTTTGATGGTGAGTGATTGCCAGAGAACCCCAAAACTCATAATGTTAGTATAGTTTAA
GCCATTATATAAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTATGGCATCGATGAAGAAAGCAGCGAAATGCGATA
AGTAATGCGAACTGCAGAATTCAGTGAATCATCGAATCATTGAACGCACATTGCGCTCCTTGGTATTCCGAGGAGCAAGC
CTGTTCGAGCGTCATTACAACCCTCAAGCTAGGCTTGGTATTGGGCCTCATCGGGAACGAGGCGCCTTAAAGAGAGGGGC
GGCACCGCTTGGCTCTAAGCGTAGAAAAATTCTCGAAATGGATGCTCGGGACCTTCCTGCCCTAACCCCAAAAACTTAAG
GTGACCTCAGATCATGT

Ascomycete sp. 2. Molecular sample BH1646F. Root tips.
GATCATTACCGAGAACTTGCCCTTCGGGGTAGATCTCCCACCCTATGTTTACATTACTTTGTTGCTTTGGCAGGCCCGT
CTTCGGACCACTGGCTTCGGCTGGTCAGCGCCTGCCAGAGGATCTTAAACTCTGAATATTTATTGTCTGAGTATTATAT
AATAAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTG
AATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCTCTGGTATTCCGGGGGGCATGCCTGTTCGA
GCGTCATTACAACCCTCAAGCTCTGCTTGGTATTGGGTGCCACCTCCTGGTGCACCTCAAACGCAGTGGCGGTGCCATT
CGGCTTCAAGCGTAGTAACATACATCTCGCTCCGGAGCTCGGGTGGAACTTGCCAAAACCCCCAATTTTTTTAAGGTTG
ACCTCGGATCAGGTAGGGATACCCGCTGAACTTAAGCATATCAATA

Ascomycete sp. 3. Molecular sample BH3340R. Root tips.
GATCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTAGGTGAACCTGCGGAGGGATCATTACAGAGTTCATGCCC
TTACGGGTAGATCTCCCACCCTATGTTATCATTACCTTTGTTGCTTTGGCGGGCCGTCAGGCCTTGGTCAGGCTACCGG
CTCCGGCTGGTAAGCGCCCGCCAGAGGACCCCCAAACTCTGAATGTTAGTGTCGTCTGAGTACTATATAATAGTTAAAA
CTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATT
TAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTCGAGCGTCATTACAA

CCCTCAAGCATTGCTTGGTATTGGGCTCCGCTGCTCACCCAGCGGGCCTTAAAATCAGTGGCGGTGCCGTCGGGCCCTG
AGSGTAGTAAATATCCTCGCTATAGGGACTCGGCGGACG

Ascomycete sp. 6. Molecular sample BH3667R. Root tips.
GATCaTtAATAGGTTAAAGGGGGCAAGGGCAAGAATTCAATCTACTACTTAAACCCTTGTGAGTTTTATTTTCCTGGTG
GTTCCGGTCGGCGGCCCCTATATGAGGCCGTTTTCGTAACGTGTTCTTTTTTCTTAGGGTTGATTCCTGAATCGGTTTT
GGGAGACAACCCCTGGCGGGGGAGATTTCTTTGCGGAAAGTTTTTTCACAAATTCATTTTTTTTTAATAACTTGCGTGC
GAGCAGTTTTTTTCCGTTTTTTTTTTACAAAAAAATTAAATACAAAACTTTCAACAACGGATCTCTTGGTTCTCGCATC
GATGAAGAACGCAGCGAAATGCGATAAGGAGTGTGAATTGCCGAATTCAGTGAATCATCGAATCTTTGAACGCACAATT
CGCCTCCTGGTATTCCGGGAGGCATGCCTGTCCGAGCGTCATTAAAGCAAACCCAAGCATTTTTTTTTTTATTTGTGCT
TGGTCTTGGCGGATGAGCCAGTAAGTTTATTCTAACTTGCTCACCGATTGAATTCCAATGGCGGATATAAGCATAGTGT
TCCGGTGTGATAAAATATTGACGGTCACTGCATCAACTTATGATATAATCTGTCCAATCTCAACTCCCTTCATTTTTAA
CACGACCCAAATCATG

Ascomycete sp. 8. Molecular sample BH3591R. Root tips.
GATCATTACCGGCGCGGCGCCTTTCCCTCTTCCTTCCCTCCGGGGGGGTGGAGGGGGGGGGGTGCCCGATTTCCCCCATCC
GTGCCGACCGTCTACCATGTTGCTTCGGCGGGCCAGCCAGGGATCTGGCCGCCGGGGGGGTGTTCTCTGCCCCCGGGTTC
GCGCCCGCCGAAGACCCTGCTCCGAAATGCTTGACCGTCTTCGGTGTTCTTTTTTTTTGGCTCCCCCGAGAGAGGGAGC
GGAAGAGGACCGAACGGGAATCATATAGGCCGTCTGAGCGATATGAGAAGCGAAAATATTCCATGAAAACTTTCAACAA
TGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGCGAATTGCAGAATTCCGTGAGTCA
TCGAATCTTTGAACGCACATTGCGCCCTCCGGTGTTCCGGGGGGCATGCCTGTCCGAGCGTCATTGCCACCTCCCTCAA
GCGCCCGCTTGGCTCGTTGGGCCGTCGTCTCCTCGTCCCCCACCCCCCTCCCCCCTCCCGGTACATTCCGGGGGCGGGC
AGGCGGGCGGGTGGTGGGCGGGAGACGGGCCCGAAAGGCAGTGACGGTTCCCCGGGAGCGATCCGCGGGAGCGAGTGAC
CACATGGGATCTTTTCACGTGCCTCACCTCTGCTCCCACGGGGCCGAGATCCGTCCGAAGGGGATCCGCGGCGGTCCCC
TTCCCCCCCCCACCCTTCTCCAGGTGAC

Ascomycete sp. 9. Molecular sample BH2125R. Root tips.
GATCATTAACAGAGTTCCTGCCCTCACGGGTAGAAACCCCCACCCTTGCGTATTGTATACTTGTTGCTTTGGCGGGCCG
CCTATATAGGCTCTCTTTACCGGCTTCGGCTGGGCCGCGCCCGCCAGAGGACCCTAAATTCTTATATTTAAGTGAAGTC
TGAGTACTATCTAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGA
TAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATATTGCGCCCCTTGGTATTCCGAGGGGCA
TGCCTGTTCGAGCGTCATTATCGACCATCCAGCACGGCTGGGTCTTGGGCGCCGCCCCCTGGGGCGGGCCTTAAAATTC
GTGGCGGCGCCGCTAGGCCCTGAGCGTAGTAAATACCCTCGCTACGGGAGCCTAACGGACGCTAGCCAGCAACCCCTCA
TTTAATCAGGTTGACCTCGGATCAgGTAGA

Ascomycete sp. 10. Molecular sample BH3271. Root tips.
GATCATTANNNAANNANNNNANNANANCCCGATCTCCACCCTTTGTTTACTATACCATGTTGCTTTGGTGGGCCCGCCT
TTAGGGGCCACTGGGGACTTTCATATCCCTAGTCAGTGCCCGCCAGTAGCCTTCTTAAATACTTTTATAACTATGTTTG
TCTGAGTATAACTATAAATCGTTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCANCGAAA
TGCGATAAGTAATGCGAATTGCAGAATTCAGTGAGTCATCGAATCTTTGAACGCATATTGCGCCCTTTGGTATTCCGAA
GGGCATGCCTGTTCGAGCGTCATTATCAATCATCAAGCCTGGCTTGTCGTTGGACCATTGTAGATGAAATATTGCTACA
GGTCCGAAATATAATGACGGTGTCATGTTTGACCCTAGATGCAACGAGCTTTTTTATAGCACGCATTGAAGTGGTCGGG
TGACCCCCAGTCTTAACCCCATATTTTCTAAGGTTGACCTCGGATCAGGTAGGAATACCCGCTGAACTTAAGCATATCA
ATAAGC

Ascomycete sp. 20. Molecular sample BH3047R. Root tips.
GATCATTACCGAATTGTCAACATGGGTTGTTGCTGGTCCTCATCTTGGTCCNTTAGAGGAAGTAAAAGTCGTAACAAGG
TCTCCGTAGGCGAACTTGGGGAGGGATCATTACGGAGTTCATGCCCTCACGGGTAGATCTTCCTCCCTTTGTCATTATT
ACCTTTGTTGCTTTGGCGGGCCATCAGGCTTGGGTCAGGCTACCGGCTCCGGCTAGTAAGCGCCCGCCAGGGGACCTAA
AACTTTGAATATCAATGTAGTTTGAGGACTTAATTAATGTTAAAACCTTCAACCACGGAATTTTTGGTTTTGGGAACGC
AGAAGAACGCAGCGAAATGCGATAAAGAATGTGAATTGCAGAATTTCATGAATTCTTGAATTCTTGAACGCACAATGCG
CCCCCTGGTATTTCGGGGGGCCTGCCTGTTCGAGGTTCCATACTACCATCAAAATCAGCTTGGCATTGGGGTGCGCTGG
TTCCAGCGGGCCTTAAAATCAGGGGCGGCGCCCTCAGGCTCTGAGCGTAGTAAATATTACGTGGACAGAGTCCTAACGG
CTCTCCTCTCATCCGCGTCATGTAATAGGCGGATAT

Ascomycete sp. 21. Molecular sample BH3660R. Root tips.
GATCATTATTGAAATAAGCCTGTTGGGTTGCTGGGGTTTCTCTTGAGAGCGGGTGCGCACTTTTCTTGGTCATTTAGAGG
AAGTAAAAGTCGTAACAAGGTCTCCATAGGTGAACCTGCGGAGGGATCATTACGGAGCTCATGTCCTGACGGGTAGTTCT

CCCACCCTATGTTATTATTTCCTTTGTTGATTTGGCAAGCCCGTCTAGCTTAGGCCAGGCTACCGGCTCCGGCTGGTAAG
CGCCTGCCAGAGGTCCCTAAACTATGAATGTTAGTTTCGTCTGAGTACTATAAAATAGTTAAAACTTTCAACAACGGATC
TCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATTGAATC
TTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCAAGCCTGTTCGAGCGTCATTACAACCCTCAAGCACTGCTTGG
TATTGGGCCCCCCTGGTTCCAGCGGGCCTTAAAATCAGTGGCGGCGCCGTCTGGGCTCTGAGCGTAGTAAATGTCCTCAA
TATGGAGGCCAGGCGGTTTTTGTCTTCTCCCCCAA

Ascomycete sp. 30. Molecular sample BH3644R. Root tips.
GATCATTATGTTATTAGGGTCCGCATATCAGTTTCGGTAATGTGTCTGTGGTCATTTAGAGGAAGTAAAAGTCGTAACAA
GGTTTCCGTAGGTAAGTTCTCGGTCTCTTGGTCATTTTGAGGATGAAAAAGTGGTAACAAAGTTTGTGTCGGTGAACCAG
TGGAGGGATCATTAGAGGGTTGCAAAACGCCCTAAAGCCATCGCGAGTCTATCTATCTCCTTGGTTTGGCGGGCAGCCGC
AGGGTGGGGGTCCGGCTTCAGACAGGTGTCCGCGGAAAGCAGTGCAAACTAATGTATCCCCGTACTCTGAGTATAAAGAT
AAAATCAGTCAAAACTTTCAACAACAGATTTCAACGTTGGGGCTTTGGGGAAGAACGCAGCGAAAGAAGGTAAGTAAAGT
GAATTGCAGAATTCCAGTGAATAATTGAATGTTTGAACGCACATTGGGACCATTAGTATTCTAGTGGGCATGCCTATTCG
AGTGCCAGTTCAACCCTTAGGCCCAAGGGAGCCTGGAGTTGGGGCACCGGGATATCGCATGCCCTGCAAGATAGAAAATG
ATGGGCGAACACTCCGGCTGCAGTAAATATCTATATTTCTCTAGACGTCTCCGGGGGATGTCCCCA

Ascomycete sp. 31. Molecular sample BH1569R. Sporocarp specimen voucher=T544.
GATCATTAACCGTCCCGCGGCCGTTGCATCTTGCATGCGCGTTCAAAGGCAAACCACCGTGTGAAACTCTCCCCGTTGC
TTCCTCGTGGCGTGGTGCTCGTCCGCCACCCACCCCTACCCTCTCCGAGGTGGTGCGGAGGCAGTCCGCGAGGGAGGGA
CCCCAGCATATCCGCCGCCGTCCAAAGTGTGGAACTCTGTCTGAAACAATGCAAATCGAAAATATTCAAAACTTTCAAC
AACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCCAAATGCGATAAGTAGTGTGAATTGCAGAATTCAGTGAAT
CATCGAATCTTTGAACGCACATTGCGCCCTCCGGCACTCCGTTGGGCATGCCTGTCCGAATGAGCGTGAAGAAGAATTT
CCGTGGCACCTTGGCGTGCCGTGGGCCCTGGAGGCTGGCCGGACCCTGGCCGACCACCTCCGAAATGCATCGGCTGACT
GTGAGCCACCCCTCGTGTTATAAGCGTTCGACGATTCACGTGGTGGAGCCCCGCATGTCACGCCGTCCGAACCCCCAAT
TCAGCCATGCGAGT

Basidiomycete sp. 1. Molecular sample BH2195F. Sporocarp specimen voucher=T1048.
GATCATTATCGAATTTGTAGGGTTAGGGTTGTAGCTGGCCAGTCAAATGGCATGTGCACGCCTGAGCCTGCTTATCCAC
ACACACCTGTGAACAACGTCGTATGGGGTCTTTCTGGGCCTTATGCGTCTTTCATATACCCTTTGTATGTCTATAGAAT
GTATGACTTATTTGTCATTTGCCTTAAAAACGCAATTGAAAATATAACTTTCAACAACGGATCTCTTGGCTCTCGCATC
GATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGATTTTCAGTGAATCATCGAATCTTTGAACGCACCTT
GCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAACCCTGTCAATTTTATTATTGATCAG
CGGCTTGGACTTGGAGTGTGCTGGCGAAAGTCGGCTCCTCTTAAATATATCAGCGGAAAATTAATCTGAATCCTTCCGG
TCATCGGTGTGATAACTATGTCTCGCCGTTTGCTGAGGGATACAGTTCCTGCTTATAATCGTCTTTCTTAAGACAAACA
TCTATTGGGTTTCACGACCTTTTAGAAAAACCAATTTTGACCTCAAATCAGGTAGG

Basidiomycete sp. 2. Molecular sample BH3727R. Root tips.
GATCATTAGAGAAATCTTAGACGGCTGTGCGCCCTCGGGCCGCACGCCGTTTCAATTTCCACACACTGTGCACCTTCGA
CGGGAGTGGGGAAACCCGCTCCCCGTCGCTTTCATTAACCAAGTCAGTCTCGAACGTAAACCCCTTTATAAAAATACAA
CTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATT
CAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCCGTGGCTTTCCACGGGGCACGCCCGTTCGAGTGTCACGTTAA
CCCTCGCCAACCGGACAGTAATGTCTGGGGAAGCGGATTTGGATGCTGCCGGTCGTGAGATCGGCTCGTCTCGAAATGC
ATTAGCAAAGTGAGACACAAACGCGACGTTGATAATTGTCTACGCCTCGTTTTTGTCGAGCGTCGCTCCTCTTCCCCTT
CTTGCTCATTTAGAAGACATGACACCAAGT

Basidiomycete sp. 3. Molecular sample BH3303F. Root tips.
GATCATTANNGAATAAANNNNNNAAANTTTCTTGGGCTGTGCGGCCCCANTGGCCCGCACGCTCGATCTATCACACCTG
TGCACCGTTCGTTCGGCGGTCTCGGCCGCCGTTCGCCTTTCATTCANTAACGTCTGTACACGAATGKAATCCATGTGAT
AATTATAACACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGNGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCNCCTTGCGCCCCGTGGTATTCCGTGGGGCATGCCTGTTTG
AGTGTCACGTGAAACCTCACCCCGACNATCTTAAAAAGTCGCCGCGGGTGGACTTGGACCGTGCCGTANTCGGCTCGTC
CCGAAATGCATTANCCTGGTCGGCGGACCGCATGGCCGTGGTGTGATAATCTATCTGCGCCAGTCANTGCCGTCGGAAA
GCAAACCGGNTCATAGTCNTCCGAAAGGACAATCCANCTTGACAGTTTGGCCTCAAATC

Basidiomycete sp. 5. Molecular sample BH1278F.Root tips.
GATCATTATTGAAACTTCGCGGGGGAGAGGGCTTCGGCCTGCACCGGTGGTGACGCCGTGCTGCGGTTGGGTTCCCGCT
CCCCCTTCCAAACCCCACACACCTGTGAACCTTTGGGAGGGCGGTTGTAGTGACCGYGCTCCCGTTTTAAACAACTCTG

ATGTCTATTTGAATGTGATTCGGGGCCGCCCCGATTAAAACTTGTAACAACTTTCAACAACGGATCTCTTGGCTCTCGC
ATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACC
TTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTTGAGTGTCTTGAAATCATCAAACCTAACCGGTCTTTGTTGGCCG
GYGCGGTTTGGACTTGGGGGTTTCTTGCTGCCGCTYGCGGTGGCTCCCCTTAAATTCATCGGTCGGGCTTTCGTGCGGC
TCTGTCCCTTGGCGTTGTATTACCCTCGTCGCTGGAYGGCTCGCGATACAGTGCC

Basidiomycete sp. 6. Molecular sample BH3491R. Root tips.
ATTCGTACTTGAGTAGGATTGGTACTGATGTTGGCAGTTTTAGGAGCATGGCTGGGTACTCAAATTTCATGTGCTCTCG
TGAACATGTTGTGGTCTTGAATTGAACCCTTTGGCATCGTAGGGGGTCTGGGAGCTGGATTAAACTCTGCCCATATTCC
CTTCAAGGCCTATTTTTCATATGACTTATAAGTCAACAGAATTAATTTCGCAATTGGCGCAAGCACTCTTAAAACCGGA
TCACTTTTCTCCAGCGTTTTTGTAGGCTCCCCCGAAATGGAAGAAGGAAGGGAAATGGCATAATTACAGTGAATCATAG
AATCCATGAAATCACCGAATCTTCGAAGGCACCTCGAGCCCCTTGCTATTCCGAGGGTCATTCAATTTTCAGCCCCATC
AATTTATCAACTTATCTGCCTTTTGGAAGCGGAAGTTGGGGTCGAAAGTCGGGCCTCCCGGCTTCCTTCAGTGGAAATT
CATCTCCCTTTAAATCCATTAGGGGGTTATAACTAGGACCGTCACTGGTTGTGATAATACAGTTCCCCTTGGTAATTTT
AACCAAAAAAACGGGCACCTGCTTATAACCGTCTTCGGACAAATCAGCCATTTGACCTCAAATCA

Basidiomycete sp. 7 Molecular sample BH1235R. Root tips.
GATCATTACCGAATGTAAGGGGGTGGAGCTGCCAAGCCATCCTTGGCCTGCATGTGCTCGCCCTCAACAATCTCAAGAC
CACACCGGTGCCCTTTCGGAGGGTTTTCGAAGTAGATGGCGGTTTCGGCCATTCTTTCTTAGATTCCTTCTTTTCCATC
CACTATTATAATATTGAAGGGCTTCGGCCCGATAAGCCCTTATTAAAATCCAACTTTTACCAAGGATTTTCTTGGCTCT
CGCATGGAGGAAGAAGGCAGGGAATTCCGATAAGTAATGGAAATTGCGAAATCCAGGAATTCTTGAAATCTTTAAACCC
TTCTTCCGCTCCCGGGTTTTCCGGGGACCACCCCTGTTCAAGGTTGGTGAAATTTCCAAGCTAACCCCTTTTTGTAAAT
GAGAAGTGGTCTTAGCTTGGTTATTGGGCTTTGCCGTCTCCTTCGTTGGAACGGCTGGCCTTAAAAGCATTAGCTGACC
CTCATGATGGCAATTGGTTCTACTCAGCGTGATAGTAATCTGACCGCGGAGGACATCTTTCGGGAGGAACAGGGGGGGG
TTGGGGGGGTTACCAGTAAGCGGAGGAAGTGTGAGTCTCATCATAGGCCATTCTCCGCACACATCAAG

Basidiomycete sp. 8. Molecular sample BH3247. Root tips.
GATCATTAACGAGTTATTGAACGGGTTGTAAGCTGGCCTCTTCTCAGAGGTATGTGCACGCCTGGCTCATCCACTCTTT
AACCTCTGTGCACCTATTGTAGGTTGGTTAGAAGGGCAATGTCTTGATCAATATTTTATTGTTGATTGAACTTGTTCGG
AAGGCCTTCCTATGTTCTTTTTTACAAACGCCTCAGTTTAAGAATGTTTTTCTGCGTATAACGCATCTATATACAACTT
TCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAG
TGAATCATCGAATCTTTGAACGCACCTTGCGCTCCCTGGTATTCCGGGGAGCATGCCTGTTTGAGTGTCATGGTATTCT
CAACCCTCCATAGCTTTGTTGTTATTGGAGGGCTTGGACTTGGAGGCTTTGTGCTGGCTTTTTATCTAAGTCGGCTCCT
CTTAAATGCATTAGCGCGAGTGTAACAGATCGCTTCGGTGTGATAATTATCTGCGCCGTAGTTGTGAAGTTAACACAAG
CTTGTGCTTATAGCCGTCCTTCAGTTGGACAACTTTTACTC

Basidiomycete sp. 10. Molecular sample BH909F. Root tips.
GATCATTAACGAATTGTAATGGGGGCTGATGCTGGCAGACTGACTGTTCGTTAGCTGTATGGTGCTCGCCTCCTTATGC
CATACACACACACACCTGTGCACCGTAGACCCACCCCCTCT

Basidiomycete sp. 11. Molecular sample BH1225F. Root tips.
GATCATTACAGAATAAACTTGATGGGTTGTAGCTGGCTCTTTCGGGAGCATGTGCACGCCTGTCACTTTTGTCTTTCCA
CCTGTGCACCCTTTGTAGACTKTGGAATTTGAAAACTATCTGAAAGCTTTAAACGGCCTTTGGTTTGAGGGATTGTTGT
GCCCTTTTTTGGGA

Basidiomycete sp. 12. Molecular sample BH3589F. Root tips.
GATCATTAACGAATTGTAATGGGGGTTGATGCTGGCAAGCTATTCTTTAGCTGCATGTGCTCGCCTCCAACAATCTTTA
TTCACACACCTGTGCACCTTCTGAGGGTTTCCGAGTAGATTGCTGCTTCCGGTGATCTTTCTTAGATTCCCTCTCCTTC
ACATACACTATTAAGAATATTGAACGTGCTTGTGCCGATAAGGCCTTAATAAAAATACAACTTTTAACAACGGATCTCT
TGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTT
TGAACGCATCTTGCGCTCCCTGGTATTCCGGGGAGCACGCCTGTTCGAGTGTCGTGAAATTCTCAAGCTGGATGCTTTT
TGTAAACGAAAAGTCATCTCAGCTTGGTATTGGGCTTTGCCGTATCCTTTATTGGGACGGCTGGCCTTAAAAGCATTAG
CTGACCCTAACGATGGCATTGGTTCTACTCAGCGTGATAATAATCTGACCGCTGAGGACATCTCTCGGGGTGGCCAGTT
CTCGTTTGGGGTTGCTCTCTAATCTGGTTTATGGGTTGCCAACAACAATCTATTCCATTTCAATTTGACCTCGAATC

Basidiomycete sp. 14. Molecular sample BH1217F. Root tips.
GATCATTANCGAATTATAANGGGGAGTTGATGCTGGCAAACCATTCTTTGGCTGCATGTGCTCGCCCTCAACAATCTTC
ATGACACACCTGTGCACCTTCTGAGGGTTTTCCGAGTAGATTGCTGTTTCTGGCGATCTTTCTTAGATTCCCTCTTTTA

CATACACTATTATAATATTGAACGTGCTCGTGCCGATAAGGCCTTAATAAAATACAACTTTTAACAACGGATCTCTTGG
CTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGA
ACGCATCTTGCGCTCCCTGGTATTCCGGGGAGCACGCCTGTTCGAGTGTCGTGAAATTCTCAAGCTAGACCCTTTTTG
TAAATGAGAAGTGGTCTTAGCTTGGTTATTGGGCTTTGCCGTCTCCTTCGTTGGAACGGCTGGCCTTAAAAGCATTAGC
TGACCCTCATGATGGCAATTGGTTCTACTCAGCGTGATAATAATCTGACCGCTGAGGACATCTTTCGGGATGGCCAGTT
CTCGTTTGGGTTGCTTTCTAATCTGGCTTATGGGTTGCTAATAGCAATCTATTCCATCTTCAATTTTGACCTCGAATCA
GGTGGG

Boletaceae sp. 2. Molecular sample BH857F. Sporocarp specimen voucher=E8708.
GATCATTATCGATGGATTCCACACACACACACTTGTGCACCTGTTGTAGGTCCTCGAAAGGGGATCTATGTTTTTCTTG
TCACACCCATGTTGCATGTCAATAGAATGAATGAATGAATATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCG
ATGAAGAACGCAGCGAATTGCGATAAGTAATGTGAATTGCAGATTTTCAGTGAATCATCGAATCTTTGAACGCACCTTG
CGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTGAATTCTCAACCAAGTTGGATGGTGGAAGCTTGCTG
GCCTCTATGGTCAGCTCTTCTGAAATGCATTAGTGATGCCTTCCGACGTGATAATGATCGTCGTCCGATCGCTTCCAAT
GACTGTTGACCTCAAATCAGGCAGGACTACCCGCTGAACTTAAGCATATCAA

Boletaceae sp. 3. Molecular sample BH3389F. Sporocarp specimen voucher=T1131.
GATCATTATCGAATTTCAATCTAATGGGGAAAAGAGGTCGAGGGGGGGATAGTCGCTGGCTGGACCTCTTAGTTTAGTA
GTTCCTTGCATATGTGCACGTCCACCTCGTCTTTCTCCCTGTTCTATACCCACACCTGTGCACCTTTTGTAGATCGGGA
TCCCTTGCGATCGATCGATCTATGTTTTTCATCACCTATCACACCGATATCGTATGGCCCAGAATGAAAGCATGATAAT
ATATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAATTGCGATAAGTAATGTGAATT
GCAGATTTCCAGTGAATCATCGAATCTTTGAACGCATCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTG
TCATCTGAAATCTCAACCATTCTCTCTTCGAGTTTGGCTTGGAGTTGGGGGTTGCTGGCATTCGGGTCAGCTCTCCTTA
AATGCATTAGCAGATCGAGTCGGGC

Boletaceae sp. 5. Molecular sample BH1674F. Sporocarp specimen voucher=T742.
GATCATTATCGCACAAGAAAGGCTCTTGGCTGTCGCTGGCTAGGTGATTCTAGCATCGTGCACGTCTATTCCTTTCTAT
CTTCATAACACACCTGTGCACCTATTGTAGATCTTTACTGGTCTATGTCTTAACCTCACACTACAATGTATGTCCTTTG
AATGTATTTAAATATTACAACTTTCAGCAATGGATCTCTTGGCTCTTGCATCGATGAAGAACGCAGCGAATTGCGATAA
GTAATGTGAATTGCAGATTTTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATG
CCTGTTTGAGTGTCATTTGATTATCAACCTAGTCAACTTGAAGTTTACTAGGCTTGGACTTGGGATTTGCTGGCTTTCA
GTAGTCAGCTATCCTTAAATGTATTAGCGAGTGAAATCTTGACGTGCACGGCCTCTGACGTGATAATGATCGTTGGTGG
GCTGGAGCGTCATTAGGAAGCTTGCTTTGAAGTCTTGACATGCGAGTGTCATTTAATTATATCTTGACCTCAAATCAGG
TAGG

Boletaceae sp. 6. Molecular sample BH2049. Sporocarp specimen voucher=T828.
GATCATTATTGAATACACACAGGATTGTTGCTGGCTAGATTCATTTCTAGCATCGTGCACATCCTATCTTCCACACACA
CACTTGTGAACTTATTGTAGATCGCAAGATCTATGTCTTTAATTCATCACATATCCATCGTATGTCTACAGAATGTTAC
AAATATAATACAACTTTCAGCAATGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATACGTAATGT
GAATTGCAGATTTTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCCTTGGTATTCCGAGGGGCATGCCTGTTT
GAGTGTCATTTAATTATCAACCAATTTAGTCTTTGATTAGACTTTTTTTGGATTGGAGTTGGGAATTGCTGGTCTTAAC
AAAGGATCAGCTGTCCTTAAATGCAGTAGCAAGTGAAAGTGATTTTACGTGGCACGGCCTTTGACGTGATAATGATCGT
TGTGGGCTTGGAAGCGTTTAATTAAGCTAGTAGTTTGCTTTAATTATATAACGAGTGAATTTCTATGTGCATACAGCTG
GAAAGCATTAGTAATGGAAGCTTGAGCGGAAAGTAAGCTATGTTGTAAAAGGCATAGTAAATGTGGAAGCTTGAGTGAA
AGTGAGAATGTGTAGTAGGCTGGAAGGCATAGCATTGAAGCTAGTTAAACAAGGAATTGAAAAATAACCTGTGGAATAT
TTCTATGTGCATACGGCTGGAGAAAGCATTAGTAATGGAAGCTCTTAGTGTAAAGTGAACTCATGGGGTTCCATGATAG
TAATGAAAAGCTTTGAGTGAAAGTGAGGATGTGTAGTAGGCTGGAAGCATAGTTATTGAGAAACT

Cantharellales sp. 1 Molecular sample BH1158F. Root tips.
GATCATTAATGAATTAACTTGAGGGTTGATGCTGGCTTTACTGCATGTGCTCGCCCTCATAATTCTATCCCATACACCT
GTGCACATCTGAAGGTCCAAGGGGATGCCTTTATTGGTTGACCGTTGGCCTTCTTCTTACAAACACTTTATAAATTATT
GAACGTGATTGAGCCGAAAGGCCATAAACTTATACAACTTTTAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAAC
GCAGCGAATTGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCCTGG
TATTCCGGGGAGCACGCCTGTTCGAGTGTCGTGAATACCCTCAAGCTGGATGCTTTATTGCTATCTTTGGCTTGGATTT
GGACTTTGCCGCATGCCTTTGATGGTGGCGGCTGGTCTTAAATAGATTAGCTGACCCATGATTGTGTTTTTGGTTCTAC
TCGGCGTGATAAGTTCTGACCGCCGAGGACATCTTGCCTTTGGGCGGATGGCCAGAAATRCCTTGGGTTGCTTCCAATC
TGTCTGTTGACAATCTTTCAATTTTGACCTCGAATCAGGTGGGACTACCCGCTGAACTTAAGCATATCAATAAGCCGGA
GGAAA

Cenococcum geophilum. Molecular sample BH3193F. Root tips.
GATCATTACAGAAAGTAAACGCGGATCACACCGCGAACTTCTAAACCTTTGACGATTGACTCATGTTGTCTCGGCGGGT
TCTCCCGCCAGAGGATACATTAAAACTCCTGTTTTAACGGTGTTGTCTGAGCTACAAGCAACGAATCAAAACTTTCAAC
AACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAGTGTGAATTGCAGAATTCAGTGAAT
CATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATCCCGAGGGGCATGCCTGTTCGAGCGTCATTTCACCACTCAAG
CCTGGCTTGGTGTTGGGCGACGTCCCCTTCAGGGACGCGCCTCGAAACGCTCGGCGGCGTGGCACCGGCTTTAAGCGTA
GCAGAATCTTTCGCTTCAAAAGTCGGGGCCCCGTCTGCCGGAAGACCTACTCGCAAGGTTGACCTCGGATCAGGCAGGG
ATACCCGCTGAACTTAAGCATATCA

Clavariaceae sp. 1. Molecular sample BH2159P. Sporocarp specimen voucher=T1027.
GATCATTATTGAATCCAATGGATGTTGCTGATGTCCGCAAGGGCATATGTGCACTCCGCCTTTCAATTCACCCTGTGCA
CTCTTTGTAGGCGTGCTTTATACACCCTATTATGAAGTCTATAGAATGATGATCGGAATGTAATACAACTTTCAACAAC
GGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATATGTAATGTGAATTGCAGAATTCAGTGAATCAT
CGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTGTCATTAAATTCTCAACTTCA
ATTCATTTTGAAGGTTGGATRTTGGGGGATTTTGCAGGCATTTATAATGTCAGCTCCTCTTAAATGCATTAGCAGAACT
ATGAAGGATCAGCTCTGGTTTGATAATCCTATCTATGCCATTGCCGAGATTCAAGTGTTCAGCTTCTAACTGTCTTCGG
ACTGTCTCGCTTAGAGGCA

Clavariaceae sp. 2. Molecular sample BH1530F. Sporocarp specimen-voucher=T555.
GATCATTATTGAATCCAAAGGATGTTGCTGGCGTCGTTTCGAYGCATGTGCACTCCGCCTTTCAATCCACCTGTGCACT
CATTGTAGGCATGGATTAAGTTCTATGCCTATGTTTTTATACACCCCTAAAAGTTTATAGAATGTAGTAGACCATCTGA
TGGTCGAAATATAATACAACTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATATG
TAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCC
TGTTTGAGTGTCATTAAATTCTCAACTTCA

Clavariaceae sp. 3. Molecular sample BH2178R. Sporocarp specimen voucher=T1079.
GATCATTATTGAAATCCTCAGGATGTTGCTGTGCCCCGTTGGGGGTGATGTGCACTCCGTCTTCAAACCCCCTGTGAAC
CAACTGTGGGCTCGAGACTAGTCTCGTGGTCCATGTTTTTTTAAACACAAACAAAAGTCTATTGAATGTCTAATGAGTA
GACCTTCTAGGTTGAAAACTTAACATACAACTTTCAACAATGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGA
ATTGCGATATGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCG
AAGGGCATGCCTGTTTGAGTGTTATTAAATTCTCAACTTCAAGTTAACCTTGAAGCTTTGGACTGTGGAGGCTCCTGCC
GGTTTAGCTTCTTGCTTGTCGGCTCCTCTTAAATGCATTAGCGGAACCCTTTGTAGGACCTGGCTTTGGTTTGATAAAT
CCTATCTATGCCGTTGCTGTGGACTTCTTTGTTCAGCTTATAGCAGTCTTCGGACTGTCTCCTCGGAGGCAAAAACCAC
TCTTTAAGCTTTAACCTCAAATCATGTAGA

Clavariaceae sp. 4. Molecular sample BH2188R. Sporocarp specimen voucher=T1080.
GATCATTATTGAATCCAAGGATGTTGCTGGCATTTTTTAAATGCATGTGCACTCCATCTTTCAAACCCACCTGTGCACT
TATTGTAGACTTGAAAGAGTCTATGTTTTATACACACACATTGAAGTCTTATGAATGTCATTAGACCTTTTGGTCAAAA
TGTAATACAACTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATATGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGT
GTCATTAAATTCTCAACTTCAAATGTTTTTGAAGCTTTGGACTTGGAGGTTATGCAGGCTCTTTGATAGTCAGCTCCTC
TTAAATGCATTAGCAGAACTTGTACAGTTCGGCTCTGGTTTGATAATCCTATCTATGCCATTGCTGAGATGTGATTGTT
CAGCTTCTAATCGTCCTTTAGGGCCGGTTTCTATGAGGCATTAATATTGACTGACCTCAAATCATGTAGAT

Clavariaceae sp. 5. Molecular sample BH2097. Sporocarp specimen voucher=T881.
GATCATTATTGAATCCAATGGATGTTGCTATGTGTCGCGAGACACTTGTGCACTCCGCCTTTCAATACACCTGTGCACT
CTTTGTAGGCGCGGATTAAGTTCTGCTGCCTATGTCTTTATACACCCCATTATTGTCATAAGAATGTCATTAGGCCTCT
GGCCAAAATATAATACAACTTTCAACAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAATTGCGATATGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCT
GTTTGAGTGTCATTAAATTCTCAACTTCAAAGGGTTTATCTCATTTGAAGCTTGGATGTTGGGGGATTTGCAGGCATGT
AACAGTGTCAGCTCCCCTTAAATGTATTAGCAGAACTATGAAGAATCAGCTCTGGTTTGATAATCCTATCTATGCCATT
GCTGGGACTCTAATGTTCAGCTTCTAACTGTCCTTAGGGACTGTCTCGCAAGAGGCATAGCTTTGAACTGACCTCAAAT
CATGTAGA

Clavulina sp. 1. Molecular sample BH1606R. Sporocarp specimen voucher=T585.
GATCATTAATGAGTTGTGATAGGGTTTTGATGCTGGCAGCCGATTTTTGGATGCATGTGCTTGCCCTAACAATCATTTT
CCAAACACCCGTGCACACTTTTGAGGGAGTTTTGAGCTTATTGTCACTCTTAGTGATTTGCTCGCATTCCCTTTAAATC

ATTATACGCTGTTAACAATACTGAACGTGTCTTGTGCCGCAAGGCCATTAATATAATACAACTTTTAACAACGGATCTC
TTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCT
TTGAACGCACCTTGCGCTCCCTGGTATTCCGGGGAGCACGCCTGTTCGAGTGTCACGAAATTTATCAAGCTTTGGATGG
CCTTTTTGTCTGTCTATTAGCCTTGGTTGTTGGGCTCTGCCGTGTCCTTTATTAGGACGGCTGGCCTTAAAAGCATTAG
CTGATCCTCATGTGGCACTGGTTCTACTCAGCGTGATAATGCATCTGATCGCTGAGGACACCTTTCAAGGTGGCCAGTC
CTCATTTGGGTTGCTTTCTAAACCTGGTTTTGCGGATTATTGAATCTGTGTTCCACTTTTCAGCtTTGACCTCGAATCA
GGTGA

Clavulina sp. 3. Molecular sample BH1591. Sporocarp specimen voucher=T593.
GATCATTAATGAGTTGTGATAGGGTTTGATGCTGGCAGCCAATTTTTGGATGCATGTGCTTGCCCTAACAATCATTTTC
CAAACACCTGTGCACACTTTTGAGGGAGTTTTGAGCTTATTGTCACTCTTGGTAATTTGCTCGCATTCCCTTTAAATCA
TTATACACTGTTAACAATCATGAACGTGTTTTGTGCCGCAAGGCCATTAATATAATACAACTTTTAACAACGGATCTCT
TGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTT
TGAACGCACCTTGCGCTCCCTGGTATTCCGGGGAGCACGCCTGTTCGAGTGTCACGAAATTTGTCAAGCTTGGATGGCC
TTTTTGTCTGTCCATTAGCCTTGGTTGTTGGGCTTTGCCGTGTCCTTTATTGGGACGGCTGGCCTTAAAAGCATTAGCT
GATCCTCGCGTGATACTGGTTCTACTCAGCGTGATAATACATCTGATCGCTGAGGACATCTTTCATGATGGCCAGTCCT
CGTTTGGGTTGCTTCTAAACCTGGTTTTGCAGATTCTTGAATCTGCGTTCCACTTTTCAGCTTTGACCTCGAATCAGGT
GGGACTACCCGCTGAACTTAAGCATAT

Clavulina sp. 4. Molecular sample BH2152. Sporocarp specimen voucher=T1029.
GATCATTATCTGAATAANGATGGGRTWTGATGCTGGCAGCCAAATTTTTTGGATGCATGTGCTTGCCCTAACAATCATT
TTCCAAACACCTGTGCACACTTTTGAGGGAGTTTTGAGCCGATTGCCGCTCTCGGTGATTTGCTTGCATTCCCTTTAAA
TCATTATACGCTGTTAACAATGCTGAACGTGTTTTGTGCCGCGCAAGGCCATTAATATAATACAACTTTTAACAACGGA
TCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGA
ATCTTTGAACGCACCTTGCGCTCCCTGGTATTCCGGGGAGCACGCCTGTTCGAGTGTCACGAAATTTGTCAAGCTTGGA
TGGCATTTTTGTCTGTCCATTAGCCTTGGTTCTTGGGCTTTGCCGTGTCCTTTATCGGAACGGCTGGCCTCAAAAGCAT
TAGCTGATCCACGTGTGGAACTGGTTCTACTCAGCGTGATAATTGATCTGATCGCTGAGGACGTCTTTCAAGGATGGCC
AGTCCTCAATTGGGTTGCTTCTAAACTTGGTTTTGCAGATTGTTGAATCTGTGTTCCACTTTTCAGCTTTGACCTCGAA
TCAGGTGGGACTACCCGCTGAACTTAAGCATATCAAT

Clavulina sp. 5. Molecular sample BH1665R. Sporocarp specimen voucher=T704.
GATCATTAATGAGTTGTAATAGGGTTTGATGCTGGCAGCCAATTTTTGGATGCATGTGCTTGCCCTAACAATCATTTTC
CAAACACTTGTGCACACCTTTGAGGGAGTTTTGAGCTGATTTACCCACTCTTGGTAATTTGCTCGCATTCCCTCTAAAT
TCATTATACGCTGTCAACAATATTGAACGTGTCTTGTGCCGCAAGGCCATTAATATATAATACAACTTTTAACAACGGA
TCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGA
ATCTTTGAACGCACCTTGCGCTCCCTGGTATTCCGGGGAGCACGCCTGTTCGAGTGTCACGAAATTTGTCAAGCTTTTA
GATGGCCTTTTTGTGTCTGTCCATTAGCATTGGTTGTTGGGCTTTGCCGTGTCCCTTTTATTGGGACGGCTGGCCTTAA
AAGCATTAGCTGATCCTTGTGTGGCACTGGTTCTACTCAGCGTGATAATGCATCTGATCGCTGAGGACATCTTTCAAGG
ATGGCCAGTCCTCATTTGGGTTGCTTCTAAACCGGTTTTACAGATTCTTTGAATCTGTGTTCCACTTTCAGCTTGACCT
CGAATCA

Clavulina sp. 6. Molecular sample BH1617F. Sporocarp specimen voucher T570.
GATCATTATTGAGTAGTGATAGGGTTTGATGCTGGCAGCCAATTTTTGGATGCATGTGCTTGCCCTAACAATCATTTTC
CAAACACCTGNTGCACAATTTTGAGGGAGTTTTGAGCTTATTGTCACTCTTGGGAATTTGCTCGCATTCCCTTTAAATT
ATTATACGCTGTTAACAATACTGAACGTGTTTTGTGCCGCAAGGCCATTAATCTAATACAACTTTTAACAACGGATCTC
TTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCT
TTGAACGCACCTTGCGCTCCCTGGWATTCCKGGGAGCACGCCTGTTCGAGTGTCACGAAATTTGTCAAGCTTGGATGGC
CTTTTTTGTCTGTCCATTAGCCTTGGTTGTTGGGCTCTGCCGKGTCCCTTTATTAGGACGGCTGGCCTTAAAAGCATTA
GCTGATCCTTGTGTGGTACTGGTTCTACTCARCGYGATAATACATCTGATCGCTGAGGACATCTTTCAGGGTGGCCAGT
CCTCGTTTGGGTTGCTTCTAAACCTGGTTTTGCANAATCTTTGNATCTGTGTTCCACTTTTCASCTTTGACCTCCAATC
AGGAGGGACTACCCGCTGAACTTATTCATATC

Clavulina sp. 7. Molecular sample BH2184R. Sporocarp specimen voucher=T1082.
GATCATTAATGAGTTGTGACGGGGTTTGATGCTGGCAGCCAATTTTTGGATGCATGTGCTTGCCCCAACAATCATTTTC
CAAACACCCGTGCACACTTTTGAGGGAGTTTTGAGCTTTATTGTCACTCTTGGTAATTTGCTCGCATTCCCTCTAAATC
ATTATACGCTGTTAACAATAATGAACGTGTTTTGTGCCGCAAGGCCATTAATATAATACAACTTTTAACAACGGATCTC
TTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCT
TTGAACGCACCTTGCGCCCCCTGGTATTCCGGGGAGCACGCCTGTTCGAGTGTCACGAAATTTGTCAAGCTTGGATGGC

CTTTTTTGTCTGTCCATTGGCCTTGGTTGTTGGGCTTTGCCGTGTCCTTTATTGGAACGGCTGGCCTTAAAAGCATTAG
CTGATCCTCGTGTGGCACTGGTTCTACTCAGCGTGATAATACATCTGATCGCTGAGGACATCTTTCAGGGATGGCCAGT
TCTCATTTGGGTTGCTTCTAAACCTGGTTTTGCAGATTCTCGAATCTGTGTTCCACTTTCAGCTTTGACCTCGAATCAT
GGT

Cortinariaceae sp. 1. Molecular sample BH2150R Sporocarp specimen voucher=T1033.
GATCATTATTGAAATAAACTGATGAGTTGCTGCTGGTTCTCTAGGGAACATGTGCACACTTGTCATCTTTATATCTCCA
CCTGTGAACCTTTTGTAGACCTGGATATCTCTCTGAGTGCTTGCGCTCAGGTCTGAGGATTGACTTTTGTCTCTCCTTA
CATTTCCAGGTCTATGTTTCTTCATATACCCAATGTATGTTATAGAATGTAATAAATGGGCCTTTGTGCCTATAAACCT
ATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGC
AGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCA
TTAATATATCAACCTCTTCGGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGTCTTTTTGCTGGTCTCTCTCTGAGGTCA
GCTCCCCTAAAATATATTAGCGGAACAATTTGTGGAACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGCAAAG
CAGTTTGGCTTCTAATAGTCCATTGACTTGGACAATTTTTCA

Cortinariaceae sp. 2. Molecular sample BH1516F. Sporocarp specimen voucher=T505.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGGATGCCTATGCATTCAGGTTTGAGGATTGACTTTGCAGTCTTT
CCTTACATTTCCAGGCCTATGTTTCTTCATATACCCCAATGTATGTCATAGAATGTAATAAATGGGCCTTTGTGCCTAT
AAATCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTG
AATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGA
GTGTCATTAATATATCAACCTCTTCAAGTTTTGCTTGTTGAGTGTTGGATGTGGGGGTCTTTTGCTGGTCTCTTTTGAG
GTCGGCTCCCCTGAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGTG
AAGCAGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinariaceae sp. 3. Molecular sample BH3277. Root tips.
GATCATTAATGAAATGTTTGTCGTGAAGGGTTGTAGCTGGCCCCCAAGGGCACGTGCACACCTGGATCGCATCCACCTC
CAACACCTGTGCACAACCTGTAGCTTGGGATGATCACGGGGCCCTTGTCGGCCGCGAATGCCCCTGTCTACGAATATTT
TTACACACACAACTAGTCACATGGAATGCACACACGAAGCGTCTAACAAACGCGACAAATACAACTTTCAACAACGGAT
CTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAA
TCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATGAAATTCTCAACTGCCTCAA
GTTCTTGTGGCGAGGTTGGACTTGGAGGACATTGCTGGCGCATGCTCCGTGCATGCTTGTCGGCTCCTCTTGAATGCAT
GAGCTTTCCAATCCTTGGCAAAGTATCGTCGATGTGATAGTTATCAGCGTCGTCCGAGAAAAGCGTGTAAGGGGAAATC
TACGATCGCATCAGCCCTTTGGGGTTCCGTGTCTGAAAAATTCGACCTCAAATCAGGTAGG

Cortinariaceae sp. 5. Molecular sample BH2106F. Sporocarp specimen voucher=T897.
GATCATTATTGAAATAAACTGACGAGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCCA
CCTGTGCACCCTTTGTAGACCTGGATATCTTTCTGAATGCCTGGCATTCGGGTTTGAGGATTGACTTTTAGTCTTTCCT
TACATTTCCAGGCCTATGTTTCTTCATATACTCCATGTATGTTATAGAATGTAATAAAGGCCTTTGTGCCTATAAACCT
ATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGC
AGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCA
TTAATATATCAACCTCCTCAGGTTTTTGCTTGTTGAGTGTTGGATGTGGGGGTATTTTTTG

Cortinariaceae sp. 6. Molecular sample BH1538F. Sporocarp specimen voucher=T525.
GATCATTATTGAAGTAAATCTGATAAGTTGTTGCTGGCTCTCTGGGGAGTATTGTGCACGCTTGTCATCTTTTATCATC
TTTCACCTGTGCACTTTTTGTAGACTTTTGGATATCTCTCTGATGCTTATGCAGTCAGTTATGAAGATTGACTTTTGTT
GTCTTTCTTTATATTTCCAGGTCTACGTTTCTTCATATACCCCATGTATGTTTAGAATGTAATAAATGCGGGTCTTTGT
GCCCCATAGTCCTTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATA
AGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATG
CCTGTTTGAGTGTCATTAATATATCAACCTCGCTTTTTGAGTGTTGGATGTGAGGGTTGCTGGACTCCTTTCGAGGTCA
GCTCCTTTGAAATATATTAGCAGAAAAATTTGTGGACCTGTTCATTGGTGTGATACATTTATCTACACTATCGACATGA
AGCAAGTTCTGCTTCTAACTGTCTTTCGACAAATTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinariaceae sp. 7. Molecular sample BH2012F. Sporocarp specimen voucher T755.
GATCATTATTGAAATAAACCTGATAGGTTGTTGCTGGTTCTCTAGGGAACATGTGCACGCTTGTCATTTTTATATCTCC
ACCTGTGCACCTTGTGTAGACCTGGATACCTATCTGAATGCCTAGCATTGAGGTTTGAGGATTGACTTTCGAGTCTCTC
CTTACATTTTCAGGTCTATGTTTCTTCATATACCCCATTGTATGTTATAGAATGTAACCTAGGTGTTTGTGCCTATAAA
CTTAAACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAAT

TGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTG
TCATTAATATATCAATCTCCTCAAGTTTTACTTGTTGAGTTTGGATGTGGGGGTATTTTGCTGGTCTCTCTCTGAGGTC
GGCTCCCCTGAAATGCATTAGCRAAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGTGAAA
CAGGTTTGGCTTCTAACAGTCTA

Cortinariaceae sp. 8. Molecular sample BH2218F. Sporocarp specimen voucher T1061.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTCTAGGGAACATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATAGCTTTCTGAATGCTCGCATTCAGGTTTGAGGGATTGACTTTCTGTCTCTCC
TTACATTTCCAGGCCTATGTTCTTCATATACCCCAATGTATGTTATAGAATGTAATGTATGGGCCTTTGTGCCTATAAA
TATATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAAT
TGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTG
TCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGGTTTTTTTTTGCTGGTCTCTTTTCA
AGATGGTCAGCTCCCCTGAAATGTATTAGCGGAACAATTTTGTTGACTCGTTCATTGGTGTGATAATTATCTACGCTAT
TGACGTGAGACAGGTTCAGCTTCTAACGGTCTATTGACTTGGACAATTTTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinariaceae sp. 10. Molecular sample BH961F. Sporocarp specimen voucher=T462.
GATCATTATTGAAGTAAACCTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGAATGCCTAGCATTTAGGTTTGGGGATTGACTTTCCGTCCTTCC
TTACATTTCCAGGCCTATGTTTCTTCATATACCCCATGTATGTTATAGAATGTAATAATGGGCCTTTGTGCCTATAAAC
CTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATT
GCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGT
CATTAATATATCAACCTCCTCAGCTTTTGCYTGTTGAGTGTTGGATGTGGGGGTGTTTTGCTGGTCTCTTTCTGAGGTC
AGCTCCCCTGAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGTGAAG
CAGGTTCAGCTTCTAACAGTCCATTGACTTGGACAANTTTCATTAATGTGACCCCAATCAGGTAGG

Cortinariaceae sp. 13. Molecular sample BH1700F. Sporocarp specimen-voucher=T721.
GATCATTATTGAAATAAACCTGATAAGTTGCTGCTGGTTCTCTAGGGAACATGTGCACGCTTGTCATATTTATATCTCC
ACCTGTGCACCTCTTGTAGACCTTGGATATCTCTCTGAATGCTTTCAGGTTTGAGGATTGACTTTATTGCCTTTCCTTA
TATTTCAAGGCCTATGTTTTTCATATACCCTAATGTATGTTATAGAATGTAGTCAATGGGCTTTTATGCCTATAAACTC
TATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTC
ATTAATATATCAATCTCTTCAGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGTTCTTTTTGTTGGCCTTTTTTTTTCTT
GAGGTCAGCTCCCCTGAAATGTATTAGCGGAACAATTTGCTGACCCGTTCATTGGTGTGATAACTATCTACTCTATTGA
CGTGATGCAAGTTCAGCTTCTAACAGTTCATTAACTTGAACAAATTTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinariaceae sp. 14. Molecular sample BH3443R. Sporocarp specimen voucher=T1171.
GATCATTATGAATTAACTGATGGGTGCTGCTGTTCTCTAGGAGCATGTGCACACTTGTCATTTTTATATCTCCACTGTG
CaCTTTTGTAGACCTNGTTATTTTCTGNNTGCCTNNCNNNCAGGTATAAGGATTGACTTGATTGGCTTTCNTAACATTT
TCAGATNTATGTTTCTTCAATTACCCNATGTATGGTTTTAGAATGGAGTAAAATGGGCTTTTTGCTTAAACCTATTACA
CTTTTCAGCACGGAATTCTTGGGCTCCGGCACGGTGGAAGAAGGCAGGGAATTGCGATAAGTAATGTGAATGGCAGAAT
TCAGGGATTCATGGATTCTTGGAACCCCCCCTTGCGTTCCTGGGAATTCCGAGGACCATCCCGGTTTGAGGGTCATTAAT
ATTTCACCTTCTTCAGCTTTTTGTTGATTGAGTGTGGGAGGGGGGGGGGAATTTTTTTTGCAGGTCTCTTTTTGAGGTCA
GCTCCCCTGAAATGCATTAGCGAAACAATTTTGTTGATCGTTCATTGGTGTGATAACTATCTACGCTATTGACGTGAAG
CATATTTGCTTCTAACTGTCTATCTCAGACAATTTTCATTAATGTGACCTCAAATCATGTAG

Cortinariacae sp. 16. Molecular sample BH2196F. Sporocarp specimen voucher=T1054.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATTTTTCTGGATGCCTAGGCATTCAGGTTTGAGGATTGACTTTGCAGTCTTT
CCTTACATTTCCAGGCCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATAAATGGGTCTTTGTGCCTAT
AAATCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTG
AATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGA
GTGTCATTAATATATCAACCTCCTCAAGTTTTGCTTGTTGAGTGTTTGGATGTGGGGG

Cortinariaceae sp. 53. Molecular sample BH1651F. Sporocarp specimen voucher=T622.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGAGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATAATCTCTCTGAATTGTTAGCAATTCAGGTTTGAGGATTGACTTTCTGTCTCT
CCTTGCATTTCCAGGCCTATGTTTCTTCATATACCCCAATTGTATGTTACAGAATGTAATAAATATGGGCCTTTGTGCC
TATAAATCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT

GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAATATATCAACCTCTTCAGCTTTTTTGCTTATTGAGTGTTGGATGTGGGGGTCTTTTTTTTTGCTGGC
CTCTCTTCTGAGGTCAACTCCCCTGAAATGCATTAGCAGAACAATTTGTTGACCGTTCATTGGTGTGATAAAAACTATC
TACGCTATTAACGTGAAGCAGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCA
GGTAGG

Cortinarius aff. *ardesiacus*. Molecular sample BH1576F. Sporocarp specimen voucher=T607.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTCTAGRGAACATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGAATGCCTTCTAGCACTCAGTTTTGAGGATTGACTTTTCTGTCG
TTCCTTACATTTCCAGGCCTATGTTTCTTCATATACCCCAATGTATGTCGTAGAATGTACTAAATGGGCCTTGTGCCTA
TAAATCCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATG
TGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTT
GAGTGTCATTAATATATCAACCTCATCGGCTTTGCTTGTTGAGTGTTGGATGTGGGGGTTTATTTTGCTGGCCCTTTCT
GTGGTCGGCTTCCCTGAAATACATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATTGAC
GGTAAAGCAGGTTCAGCTTCTAATAGTCTATTGAYTTGGACAAATTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius aff. *australis*. Molecular sample BH1632F. Sporocarp specimen voucher=T641.
GATCATTATTGAAATAAATCTGATGAGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACGCTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTCTCTGAGTGCCTTAGCACTTCAGGTTTGAGGATTGGACTTTATTGCTC
TCTCTTTATATTTCCAGGCCTATGTTTCTTCATATACCCCATTGTATGTCATAGAATGTAGTAAATAGGCCTTTGTGCC
TATAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT
GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAATATATCAACCTCTTCAACTTTTGTTGAGTGGGTTGGATGTGGGGGGTTCTTTTTTGCTGGCCTCTC
TGAGTTCAGCTCCCCTGAAATGCATTAGCGGAACAATTTTGTGGATTCGTTCATTGGCGTGATAATTATCTATGCTATT
AACGTGAAGCAGTTCAGCTTATAACAGTCCATTGACTTGGACAAAATTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius aff. *cannarius*. Molecular sample BH1594F. Sporocarp specimen voucher=T600.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACGCTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATCTTTTTCTGAATGCCTAGCATTTAGGTTTGGGGATTGACTTTTTGTCTTTCC
TTGCATTTTCAGGCCTATGTTTCTTCATATACCCATGTATGTTATAGAATGTAGTAAATGGGCCTTTGTGCCTATAAAC
CTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATT
GCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGT
CATTAATATATCAGCCTCTTCAGCTTTTGCTTGTTGAGCGTTGGATGTGGGGGTTTCTTTTGCTGGCCTCTTCTGAGGT
CGGCTCCCCTGAAATGCATTAGCGAAACATTCTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGTGAA
GCAGGTTTGGCTTCTAACAGTCCATTGACTTGGACAATTTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius aff. *fragilis*. Molecular sample BH3438R. Sporocarp specimen voucher=T1166.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTCTCTGAGTGCTTAGCACTTCAGGTTTGAGGATTGACTTTATTGTTCTA
TCTTTATATTTCCAGGCCTATGTTTCTTCATATACCCCATTGTATGTTATAGAATGTAGCAAATAGGCCTTTGTGCCTA
TAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTTCAACTTTTGTTGAATGTTGGATGTGGGGGTTTTCTTTTGCTGGTCTCTCTGAGTTC
AGCTCCCCTGAAAATCATTAGCGGAACAATTTTGTGGATTCGTTCATTGGCGTGATAAATTATCTATGCTATTGACGTG
AAGCAGTTCAGCTTATAACAGTCCATTGACTTGGACAAATTTTTATTAATGTGACCTCAAATCAGGTA

Cortinarius aff. *infractus*. Molecular sample BH1641F. Sporocarp specimen voucher=T628.
GATCATTATTGAAGTAAACCTGATGAGTTGCTGCTGGTTCTCTAGGGAGCATTGTGCACACTTGTCATCTTTATATCTC
CACCTGTGAACCTTTTGTAGACCTGGATATCTCTCTGAGTGCTTGTGCTCAGGTTTGAGGACTTGACCCTCCTTACATT
TCCAGGCCTATGTTTCTTCATATACCCGATGTATGTTATAGAATGTAATAAATGGGCCTTTGTGCCTATAAACCTTTAT
ACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAG
AATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATT
AATATATCAACCTCTTCAAGCTTTTGCCTGTTGAGTGTTGGATGTGGGGGGTCTTTTTTTGCTGGCTTCTCTTTCTGAG
GTCAGCTCCCCTGAAATGCATTAGCGGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGT
TAAGCAAGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius aff. *persicanus*. Molecular sample BH951F. Sporocarp specimen voucher=T452.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGCTCTCTAGGGAGTATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACTTTTGTAGACCTGGAATATCTCTCTGATGCTTGGCACTCAGGTTTGAGGATTGACTTTTTGTCTTTCCT
TATATTTCCAGGCCTATGTTTCTACATATACCCAATGTATGTTATAGAATGTAATAAATGGCCTTTGTGCCTATAAACC
TTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATT
GCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGT
CATTAATATATCAACCTCTTTAACTTTTGGTTATCGAGTGTTGGATGTGGGGGTCTTTTTTTTGCTGGCCTCTCTGAGG
TCAGCTCCCCTGAAATACATTAGTGGAACAATTTGTGGACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGTGA
AGCAGTTCAGCTTATAACTGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius rotundisporus. Molecular sample BH1618F. Specimen voucher T572.
GATCATTATTGAATTAAACGTGATGAGTTGCTGCTGGTTCTCTAGGGAACATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACTTGGATACTTTTCTGAATGCTTTTTAAGCATTTCAGGTTTGAGGATTGACTTGTCTCT
CCTTACATTTCCAGGTCTATGTTTCTTCATATACCCTAATGTATGTTATAGAATGTAATAAATGGGCCTTTGTGCCTAT
AAACCTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACTTCTTCAGCTTTTTTGTTTGTTGAATGTTGGATGTGGGGGTTTTTGCTGGCCTTTTCAA
GGGTCAGCTCTCCTCAAATATATTAGCGGAACAATCTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATTGATC
GTGAGGCAAGTTTAGCTTCTAATAGTCCATTGACTTGGACAACTTTTTTATTTAATGTGACCTCAAATCAGGTAGG

Cortinarius aff. *sclerophyllarum*. Molecular sample BH1724F. Sporocarp specimen voucher=T681.
GATCATTATTGAAATAATCCTGATAAGTTGTTGCTGGTTCCCATAAAGAACATGTGCACACTTGTCATCTTTATATCTC
CACCTGTGCACTTTCTGTAGACTTGGATAACTTTCTTAATACCTAGTATTAAGGTTTGAGAATTGACTTTTGTCTATTC
TTACATGTCCAGGTTCTATGTTTATTCATATACCCTAATGTATGTTATAGAATGTAATTGTTAGGCCTTTGTGCCTATA
ACATTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAG
TGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGTGCTGGATGTGGGGGTCTTTTTGCTGGTCTTTTTAAAA
GGTCAGCTCCCCTAAAATTTATTAGCGGAACAATATGTTGACCGTTCATTGGTGTGATAATTATCTACGCTATTAGACG
TGAGGCAGTTCGGCTTCTAATAGTCCATCGACTTGGACAATTTTTATTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius aff. *submagallanicus*. Molecular sample BH1542F. Sporocarp specimen voucher=T520.
GATCATTATTGAAATaaACCTGATGAGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTCTCTGAGTGCTTAGCACTTCAGGTTTGAGGATTGACTTTATTGTTCTA
TCTTTATATTTCCAGGCCTATGTTTCTTCATATACCCCATTGTATGTTATAGAATGTAGCAAATGGGCCTTTGTGCCTA
TAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTTCAACTTTTGTTGAATGTTGGATGTGGGGGTTTTCTTTTGCTGGTCTCTCTGAGTTC
AGCTCCCCTGAAAATCATTAGCGGAACAATTTTGTGGATTCGTTCATTGGCGTGATAAATTATCTATGCTATTGACGTG
AAGCAGTTCAGCTTATAACAGTCCATTGACTTGGACAAATTTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius aff. *tasmacamphoratus*. Molecular sample BH2055F. Sporocarp specimen voucher=T844.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTTCTCTAAGGAACATGTGCACGCTTGTCATCTTTATATCTC
CACCTGTGCACCTCTTGTAGACCTGGATATCTTTCTGAATTATTTAGGTTTGAGGATTGACTTCCTGTCTCTCCTTACA
TTTCCAGGCCTACGTTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATAAATGGGCCTCTGTGCCTATAAACCT
ATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGC
AGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCA
TTAATATAATCAACCTCTTCAAGTTTTGCTTGTCGAGTGTTGGATGTGGGGGGGTTCTTTTTGCCGGGTCTCTTTTAAT
TGAGGTCGGCTCCCCTGAAATGCATTAGCAGAACAATTTGTTGACCGTCCATTGGTGTGATAAACTATCTACGCTTTTG
ACGTGAGGCAGTTCAGCTTCTAACAATCCATTGACTTGGATAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius aff. *walkeri*. Molecular sample BH2022F. Sporocarp specimen voucher=T791.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTCTAGGGAACATGTGCACACTTGTCGTCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGAATGCACTAGCATTCGGGTTTGAGGATTGACTTTCTGTCTTTC
CTTACATTTCCAGGCCTATGTTTCTTCATATACCCCATGTATGTTATAGAATGTAGTAAATGGGCCTTTGTGCCTATAA
ATCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGT
GTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGTATTCTTTTGCTGGTCTCTTTCTG
AGGTCGGCTCCCCTGAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAATTATCTACGCTATTGACG

TGAAGCAGGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 1. Molecular sample BH3431F. Sporocarp specimen voucher=T1159.
GATCATTATGAGTAACCTGATAAGTGCTGCTGTCTTCTAGGAGCATTGCACACTGTCATCTTTTTATCTTCACTGGGCA
CCTTTTGAGACTTGGTTACTTCTCAGAGTGCTTCCGTTCcGGTTGAGGATTGCCTTTCGGTGTCTACCCTTCCATTTCC
AAGCTTAGGTTTCTTCATATACCTTAATCCATGTTATAGAAGGTAGTAAAATGGCCCTTGGTGCCTATAACCTTTATCC
AACTTTCAGCAAGGGATTTCTTGGCTCTGGCATGGATGAAGAAGGCAGCGAATTGCGATAAGTAATGTGAATTGCAGAA
TTCAGTGATTCATGGATTCTTGGAACCCCCCTTGCGTTCCTTGGTATTCCGAGGACCTGCCTGGTTTGAGGGTCATAAA
TATATTTCAACTTTTCCAAGCTTTTCCCGGTAGAGTGTGGGATGGGGGGGGGGTTTTTATTTTTTGCCGGCTTCTCTGA
GGTCAGCTCCCCTGAAATGTATTAGCGGAACAGTTTGTGGACCGTTCATTGGTGTGATAACTTATCTACGCTATTGACG
TGAAGCAAGTTCAGCTTCTTAGCAGTCCATTGACTTGGACAAATTTTTATTAATGTGACCTCAAATCA

Cortinarius sp. 2. Molecular sample BH3606RRoot tips.
GATCATTATTGAAATAAATCTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACGCTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGAATGCCCTAGCATTCAGGTTTGAGGATTGATTTTCTTTCCTTA
CATTTTCAGGTCTATGTTTTTCATATACACCATGTATGTTTTAGAATGTAGTAAACGGGCCTTTGTGCCTATAAACTTT
AAACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGC
AGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCA
TTAATATATCAACCTCCTCAGCTTTTTGCATGTTGAGCGTTGGATGTGGGGGTATTTTTTGCTGGACTCTTTCTGAGGT
CAGCTCCCCTAAAATGCATTAGCAAAACAAATGTGTTTATCGTTCATTGGTGTGATAATTATCTACGCTATTGACGTGA
TGCAGTTTAGCTTCTAACAGTCCATTAACTTGGACGAAACTTTATTAATGTGACCTCAAAT

Cortinarius sp. 3. Molecular sample BH1688R. Sporocarp specimen voucher=T730.
GATCATTATTGAAATAAACTGATGAGTTGCTGCTGGTTCTCTAGGGAACATGTGCACACTTGTCATCTTTATATCTCCA
CTTGTGCACCTTTTGTAGACCTGGATATCTCTCTGAGTGCTTGCACTTAGGTTTGAGGATTGACTTTTGTCTCTCCTTA
TATTTCCAGGCCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATGTATGGGCCTTTGTGCCTATAAACC
TATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTC
ATTAATATATCAACCTCTTCAATTGTTGAGTGTTGGATGTGGGGGCTTTTTTTGCTGGCCTTTCTCTGAGGTCAGCTCC
CCTGAAATGCATTAGCGGAACAATATGTGGACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGTGAAGCTGTTC
AGCTT

Cortinarius sp. 4. Molecular sample BH2172F. Sporocarp specimen voucher=T1035.
GATCATTATTGAATAAACCTGATGAGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCCA
CCTGTGCACCTTTTGTAGACCTGGATATCTCTCTGAGTGCTTAGCACTTCAGGTTTGAGGATTGACTTTATTGTCCTAT
CTTTATATTTCCAGGCCTATGTTTCTTCATATACCCCATTGTATGTTATAGAATGTAGTAAATAGGCCTTTGTGCCTAT
AAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTG
AATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGA
GTGTCATTAATATATCAACCTCTTCAACTTTTGTTGAGTGTTGGATGTGGGGGTTCTATTTTGCTGGCCTCTCTGAGTT
CAGCTCCCCTGAAATACATTAGCGGAACAATTTTGTGGATTCGTTCATTGGCGTGATAATTATCTATGCTATTGACGTG
AAGCAGTTCAGCTTATAACAGTCCATTGACTTGGACAAATTTTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 5. Molecular sample BH987F. Sporocarp specimen voucher=T480.
GATCATTATTGAAATAAACCTGATGAGTTGTTGCTGGTTCTCTAGGGAGCATGTGCACATTTGTCATTTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTTGGATATCTCTCTGAGTGTTATAAACACACTCAGGTTTGAGGATTGATCTTTTATG
GTCTCTCTTTACATTTCCAGGTCTATGTTTCTTCATAGACTCAATGTATGTTATAGAATGTAATATATGGGCCTTTGTA
GCCTAATAAACCAAATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAA
GTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGC
CTGTTTGAGTGTCATTAATATATCAACCTCTTCAGCTTTTGTTTGTTGAGTGTTGGATGTGGGGGTTTTTCTTGCTGGC
CTTTTGTTGTCAGCTCCCCTAAAATTCATTAGCGGAACAATTTGTGGAAGCGTTCATTGGTGTGATAATTATCTACGCT
ATTGACGTGAAGCAGCAGTTCAGCTTCTAACAGTCCATTGACTTGGACAAACAATTTTATTAATGTGACCTCAAATCAG
GTAGG

Cortinarius sp. 6. Molecular sample BH2072R. Sporocarp specimen voucher=T871.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATTTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTTTGAATGGCCCGTCAATCCGGGTAGGAGGATGGTTTTTCTTCCTTA
CCATTTCCAGTTTAAGTTTTTTAAATTCCCCCAGTTAGGTATTGAAAGTTATTAACCAGCCCTTGGGCCCATTAAAAAA
ATCCAACTTTAGCCAAGGGTTTTTTGGGTTTTGGCTTGGAGGAGGAAGGAAGGAAATTGGATTAATTAATGGAAATGCC

GAAATCCAGGGATTCTTGGATTTTTGGAAGCCCCCTTGGGTTCCTGGTTATTCGGGGGGCCAGCCCGGTTGAGGGTCCA
TTAAAAATTCACCTTCTCCGGGTTTTTTGTCTGTTTGAGTGTTGGATGTGGGGGTATCTTTTGCTGGACTCTTTTCTGA
GGTCAGCTCCCCTAAAATGCATTAGCAAAACAATTTGTTGAACGCTCATTGGTGTGATAACTATCTACGCTATTGACGT
GAAGCAGGTTTAGCTTCTAACCGTCTCATTAACCAGGACAACTTTTCATTAATGTGACCTCAAATC

Cortinarius sp. 7. Molecular sample BH1656F. Sporocarp specimen voucher=T635.
GATCATTATTGAAGTAAACCTGATAAGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTTC
ACCTGTGCACCTTTTGTAGACTTGGATAACTCTCAGAGTGCTTACGCTCCGGTTTGAGGATTGACTTTCTGTGTCTATC
CTTACATTTCCAAGCCTATGTTTCTTCATATACCCTAATCTATGTTATAGAATGTAGTAAAAATGGGCCTTGGTGCCTA
TAAACCTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATG
TGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTT
GAGTGTCATTAATATATATCAACCTCTTCAAGCTTTTGCCTGTAGAGTGTTGGATGTGGGGGGGTTTTTATTTTTTGCC
GGCTTCTCTGAGGTCAGCTCCCCTGAAATGTATTAGCGGAACAGTTTGTGGACCGTTCATTGGTGTGATAACTTATCTA
CGCTATTGACGTGAAGCAAGTTCAGCTTCTTAGCAGTCCATTGACTTGGACAAATTTTTATTAATGTGACCTCAAATCA
GGTAGG

Cortinarius sp. 8. Molecular sample BH1668F. Sporocarp specimen voucher=T738.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTCTCTGAGTGCTTAGCACTTCAGGTTTGAGGATTGACTTTATTGTTCTC
TCCTTATATTTCCAGGCCTATGTTTCTTCATATACCCCATTGTATGTTATAGAATGTAACAAAAATGGGCCTTTGTGCC
TATAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT
GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAATATATCAACCTCTTCAACTTTTGTTGAGTGTTGGATGTGGGGGTTTTCTTTTGTTGGCCTCTCTCT
GAGTTCAGCTCCCCTGAAATACATTAGCGGAACAATTTTGTGGATTCGTTCATTGGCGTGATAATTATCTATGCTATTG
ACATGAAGCAGTTCAGCTTATAACAGTCCATTGACTTGGACAAATTTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 9. Molecular sample BH3483R. Sporocarp specimen voucher=T1206.
GATCATTATTGAAATAAACTTGGTGAGTTGCTGCTGGTTCTCTAGAGAACATTGTGCACGCTTGTCATCTTTATATCTC
CACCTGTGCACCTTTTGTAGACCTGGATATCTCTCTGAGTGGCTTACACTTGGGTTTGAGGATTGACTTTGTTGTCTCT
TCCTTACATTTCTAGGCCTATGTTTCTCCATATACCCCAATGTATGTTATAGAATGTTATAAATGGGCCTTTGTGTCTA
TAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGTTACTTTTTTGCTGGCCTCTT
TCTGAGGTCAGCTCCCCTGAAATGTATTAGCGGAATAATTTGTAGACCGTTCATTGGTGTGATAACTATCTACGCTATT
GACGGGAAGCAAGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATTTTTATTAATGTGACCTCAAATCA

Cortinarius sp. 10. Molecular sample BH1590F. Sporocarp specimen voucher=T592.
GATCATTATTGAAATAAAACTGATGAGTTGCTGCTGGTTCTCTAGGGAACACTGTGCACACTTGTCATCTTTATATCTC
TCCACCTGTGCACCTTTTGTAGACCTGGATATTTCTCCGAGTGCTTGCACTTGGGTTTGAGGATTGACTTTATTTTATT
TTATTGTCTCTACCTTACATTTCCAGGCCTATGTTTKCATCATATACCCTCAATGTATGTTATAGAATGTAATACATGG
GCCTTTGTGCCTATAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATG
CGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGA
GCATGCCTGTTTGAGTGTCATTAATATATCAACCTCTTCAGCTTTGCTTGTTGAGTGTTGGATGTGGGGGTTGTTTTTG
TTGGCTTCTATGAGGTCAGCTCCCCTGAAATGTATTAGCGGAACAATTTGTTGATCCTGTTCATTGGTATGATAATTAT
CTATGCTATTGACAGAACAGCAGTTCAGCTTCTAATTAGTCCATTTGACTTGGACAAATTTTCATTAATGTGACCTCAA
ATCAGGTAGG

Cortinarius sp. 11. Molecular sample BH1151F. Root tips.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGAGAGCATGTGCACGCTTGTCGTCTTTATATCTCC
ACCTGTGCACCTATTGTAGACCTGGATAACTCTCTGAATGCCAGCATTTCAGGTATGAGGATTGACTCTCTGTCTCTCC
TTACATTTCCAGGCCTATGTTCTTTCATATAACCTCAATGTATGTTATGGAATGTAATACTATTGGCCTCTGTGCCTAT
AAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTG
AATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCACTCCTTGGTATTCCGAGGAGTATGCCTGTTTGA
GTGTCATTAATATATCAACCTCTCAAGCTTTTGCTTGTTGAGTGTATGGATGTGGGGGGTGCTTTTGCTGGTCTTTTTT
CTTTGTTAGATTAGAGGTCAGCTCCCCTGAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTAT
CTACGCTATTGACGTGAAGCAGTTCAGCTTACAACCGTCCATTGACTTGGACAAAATATCTATTAATGTGACCTCAAAT
CAGGTAGG

Cortinarius sp. 12. Molecular sample BH3561R. Sporocarp specimen voucher=T1279.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCACTTTTATATCTCC
ACCTGTGCACCCTTTGTAGACCTGGATATTTTTCTGAATGGCCTGCCATTCAGGTTTGAGGATTGAATTTTTCTTTCCT
TACATTTTCAGGTCTATGTTTTTCATATACCCCATGTATGTTATAGAATGTAATAAACAGGCCTTTGCGCCTATAAACA
AATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTC
ATTAATATATCAACCTCTTCAGCTTTGCCTGTTCGAGTGTTGGATGTGGGGGTATTTTTTGCTGGACTCTTTCTGAGGT
CAGCTCCCCTAAAATGCATTAGCAAAACAATTTGTTTAACGCTCATTGGTGTGATAACTATCTACGCTATTGACGTGAA
GCAGGTTTAGCTTCTAACAGTCCATTAACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 13. Molecular sample BH1572F. Sporocarp specimen voucher=T614.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTTCTCTAAGGGACATGTGCACACTTGTTCATCTTTATATCC
CCACCTGTGCATCTTTTGTAGACCTGGATATCTCTCTGAGTGCTTGTACTTCAGGTTTGAGGATTGACTTATTTAATTA
TTGTCTCTCCTTACATTTCCAGGCCTATGTTTCTCCATATACCCCCAATCTATGTTATAGAATGTAATAAATGGGCCTT
CGTGCCTATAAACCTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGAT
AAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCAT
GCCTGTTTGAGTGTCATTAATATATCAATCTCTTCAGCCTTTGCTTGTTGAGTGTTGGATGTGGGGGTTATCTTTTTGC
TGGCTTCTCTCCGAAATCAGCTCCCCTGAAATGCATTAGCGGAACATTTTGTTAACCGTTCATTGGTGTGATAACTATC
TACTCTATTGACGGGAAGCAGTTTGGCTTCTAATAGTCCATTGACTTGGACAAATTTTTATTAATGTGACCTCAAATCA
GGTAGG

Cortinarius sp. 14. Molecular sample BH3442F. Sporocarp specimen voucher=T1170.
GATCATTATTGAAATAAACCTGATGAGTTGTTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATTTTTATATTTTC
CACCTGTGCACCTTTTGTAGACCTGGGTAAACTCTCTGATGCTTTCATTAGCATTTCAGGTTTGAGGATTGACCTTTTA
TTGGTCTCTCCTTACATTTCTAGGTCTATGTTTCTTCATATACCCTAAGTATGTTATAAGAATGTAGTCAATGGGCCTT
TGTGCCTATAAACCCATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATA
AGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATG
CCTGTTTGAGTGTCATTAATATATCAAACTCTTCAAATTTTGTTGAGTGTTGGATGTGGGGGTCTTTATTGCTGGCTCT
CTGTTTGAGTTCAGCTCCCCTGAAATCTATTAGCGGAACATTTTGTGGACCGTTTATTGGTGTGATAACTATCTACGCC
ATTGACGTGAAGCAGTTCAGCTTCTAATAGTCCATTGACTTGGACAAATCTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 15. Molecular sample BH3442R. Sporocarp specimen voucher=T1170.
GATCATTATTGAAATAAACCTGATGAGTTGTTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATTTTTATATTTTC
CACCTGTGCACCTTTTGTAGACCTGGGTAAACTCTCTGATGCTTTCATTAGCATTTCAGGTTTGAGGATTGACCTTTTA
TTGGTCTCTCCTTACATTTCTAGGTCTATGTTTCTTCATATACCCTAAGTATGTTATAAGAATGTAGTCAATGGGCCTT
TGTGCCTATAAACCCATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATA
AGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATG
CCTGTTTGAGTGTCATTAATATATCAAACTCTTCAAATTTTGTTGAGTGTTGGATGTGGGGGTCTTTATTGCTGGCTCT
CTGTTTGAGTTCAGCTCCCCTGAAATCTATTAGCGGAACATTTTGTGGACCGTTTATTGGTGTGATAACTATCTACGCC
ATTGACGTGAAGCAGTTCAGCTTCTAATAGTCCATTGACTTGGACAAATCTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 16. Molecular sample BH1608F. Sporocarp specimen voucher=T587.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGGGAACATGTGCACACTTGTCATCTTTATATTTCC
ACCTGTGCACCTTTTGTAGACTTGGATATCTTTCTGAATGCATTTTCAGGTTTGAGGATTGATTTGCTTGTCTGTCCTT
AAATTTCCAGGTCTATGTTTATTCAAGTACACCCTAATTATGTTATAGAATGTAATAAAGTGAGCCTTTAGTGCTTATA
AACCTTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACTCCTTCAGCTTTTGTGCTTGTAGAGTGTTGGATGTGGGGGTTTTGCTGGCCTTTCAGAA
GGTGCAGCTCTCCTGAAATGTATTAGCGGAACAATTTGTTGAATCGTTCATTTGGTGTGATAACTATCTACGCTATTGA
CCGTGAAGCAAGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATTTTATTTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 17. Molecular sample BH1683P. Sporocarp specimen voucher=T715.
GATCATTATTGAAATAAATCTGATAGGTTGCTGCTGGTTTCTCTAAGGAACATGTGCACGCTTGTCATCTTTATATTTC
CACCTGTGCACCTCTTGTAGACCTTGGATATCTTTYCGRAAAMCAAGTTAGTACTCAGGTATGAGGATTGACTTTTCTG
TCTCTCCTTACATTTCCAGGCCTACGTTTTCTTCATATACCCCCAATGTATGTTATAGAATGTAATAAAAGGGGCCTTK
GGGCCWATAAAYCWAWMCAACTTTCASMAMCGRAYCYCTGGGYYCTCSMAYCRATAAAAAACSCACCRAAAGGCRAWAA
GAAAGGGGAATKGMAAAATTCAGGGAAYCATCAAAYCTTKRAMCSCMCCTGGSSCYCCTGGGAATYCCAAGAAGMAGGC
CGGTTKRAGGGYMWTWAAWAWAWATMAMCCYCCYCAACTTTGGGTKGCCAAGGGTGGAAGGGGGGGGGTYCTTTTTGC

CGGGTCTCTTTTAATTGAGGTCGGCTCCCCTGAAATGCATTAGCAGAACAATTTGTTGATCGTTCATTGGTGTGATAAA
CTATCTACGCTATTGACGTGAGGCAATTCAGCTTCTAACAATCCATTGACTTGGATAAGTTTTTATTAA

Cortinarius sp. 19. Molecular sample BH988F. Sporocarp specimen voucher=T483.
GATCATTATTGAAATAAATCTGATGAGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATAACTTTCTGAGTGCCTAGCGCTCAGGTTTGAGGATTGACTTCTTCTCACGTT
TCCAGGTCTATGTTTCTTCATATACTCCAATGTATGTTATAGAATGTAATAAAATGGCCTTTGTGCCTATAAACCTATA
CAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGA
ATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTA
ATATATATCAACCTCTTCAACTTTGTTGAGTGTTGGATGTGGGGGCTTTTATTTTGCTGGTCTCTCTCTGAGGTCAGCT
CCCCTGAAATGCATTAGCGGAACAATTTGCAGACCGTTCATTGGTGTGATAACTATCTACGCTATTTGACGTGAAGCAG
TTCAGCTTATACCCGTCCGTTGACTTGGACAAATTTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 20. Molecular sample BH950F. Sporocarp specimen voucher=T451.
GATCATTATTGAAATAAACCTGATGAGTTGTTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATATTTATATCTTC
CACCTGTGCATCTTTTGTAGACCTGGATAAACTTTCTGATGCTTTCATTAGTATTTCAGGTTTGAGGATTGAACTCTTA
TCGGTTCTCTCCTTACATTTCTAGGTCTATGTTTCTTCATATACCCTATGTATGTTATAAGAATGTAGTCAATGGGCCT
TTGTGCCTTATAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGA
TAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCA
TGCCTGTTTGAGTGTCATTAATATATCAAACTCTTCAACTTTTGTTTGTTGAGTGTTGGATGTGGGGGTCTTTTATTGC
TGGCTCTCTGTTTGAGTTCAGCTCCCCTGAAATGTATTAGCGGAACATCTTGTGGACCGTTTATTGGTGTGATAACTAT
CTACGCCATTGACGTGAAGCAGTTCAGCTTCTAATAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATC
AGGTAGG

Cortinarius sp. 21. Molecular sample BH3214. Root tips.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGCTCTCTCGGGAGCATGTGCACACTTGTCATTTTTATATCTCC
ACCTGTGCACCTTTTGTAAATCTGAATAACTTTCTGGATGGCCTGCCWTTCGGGTTTGAGGATTGATCTTTTTCTTTCC
TTACATTTTCAGGTTTATGTTTTTCATATACCCCATGTATGTCATAGAATGTAATAAACGGGCCTTTGTGCCTATATAA
TTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAAT
TGCAGAATTCAKTGAATCATCKAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTG
TCATTAATATATCAACCTCTTCAKCTTTTTGCATGTTGAGTGTTGGATGTGGGGGGTGTTTTGCTGGACTCTAATCTGA
GGTCAGCTCCCCTAAAATGCATTAGCGAAACAATTTGTTTACCGCTCATTGGTGTGATAACTATCTACGCTATTGACGG
TCATGCAGGTTTAGCTTCTAACAGTCCATTAAC

Cortinarius sp. 22. Molecular sample BH2088F. Sporocarp specimen voucher=T909.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTCTTGTAGATCTGAATACCTTTCTGAATGCGTAGCGTTCAGGTTTGAGGATTGATTTATTTCATTCCT
TACACTTTCAGGTTTATGTTTTCATATACCCCATGTATGTTATAGAATGTAATAAACGGGCCTTTTGTGCCTATAAATT
TATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTC
ATTAATATATCAACCTCCTCTGCTTTTGCATGTTGAGTGTTGGATGTGGGGGTATCTTTGCTGGACTCTTTTTTTGAGG
TCAGCTCCCCTAAAATGCATTAGCAAAACAATTTGTTTCGCTCATTGGTGTGATAACTATCTACGCTATTGATGTGGAG
CAGGTTTAGCTTCTAACAGTCCATTAATTTGGACAAACTTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 24. Molecular sample BH955F. Sporocarp specimen voucher=T456.
GATCATTATTGAATAAACCTGATGAGTTGTTGCTGGTTCTCTAGGGAGCATTGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTAGATATCTCTCCGATTGCATTCGGGACTGAGGATTGACTTTATTGTCTCTTCCTTA
CATTTCTGGGCCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATAAACAGGCCTTTGTTGCCTATAAAC
ATATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATT
GCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGT
CATTAATATATCAACCTCTTTAGCTTTTGCTTGTCGAGTGTTGGATGTGGGGGTCTTTTTGCTGGACTTTTCGAGTTCA
GCTCCCCTTAAATGCATTAGCAGAACATTTTGTGAACCGTTCATTGGGTGTGATAACTATCTACGCTATTGACGGGAAG
CAGTTCAGCTTCTAATAGTCCATTAACTTGGACAATTTTAATTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 25. Molecular sample BH2140F. Sprocarp specimen voucher=T979.
GATCATTATCGAAATAAACCTGATGGGTTGTTGCTGGTTCTCTAGGGAAACATGTGCACGCCTTGTCATCTTTATATCT
CCACCTGTGCACTCTTTGTAGACCTTTTCAGGTCTATGTTGATTCTTCATTTACCCCCAATGTATGTTGATAGAATGTC
GTCCATAATGTAATCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGAT

AAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCAT
GCCTGTTTGAGTGTCATTAATATATCAAATCCTCTCTCTCTCTTGTTGAGTAGGTTTGGATGTGGGGGGTTTGCTGAGG
GTTCAGCTCTCCTGAAATGCATTAGCAGAACAACCTGTTCATTGGTGTGATAAACTATCTACGCTATTGAATGTGAGGG
AAGTTCAGCTTTCTAACAGTCCTCTGAGACAGTTTATCATTTATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 26. Molecular sample BH3496R. Specimen voucher T1219.
GATCATTATTGAGATAAACCTGATGGGTTGTTGCTGGTTCTCTAGGGAGCATGTGCACACCTGTCATCTTTATATTTCC
ACCTGTGCACCTTTTGTAGATCTGGATAGCTTTCTGAATGCCTAGCATTTGGGTTTTGAAGATTGACTTTTTTTTCTGT
CTTTCTTTACATTTTCAGATCTATGTTTCTTCATATACCCCAATAAATGTTATAGAATGTAATAAACGGGTCTTTGTGC
CCATAAACCTATACAACTTTCAGCAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGT
TTGAGTGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTCGAGTTGTTGGATGTGGGGGGTATTTTTTGCTGGATTC
TTTTGGAGGTCAGCTCCCCTAAAATACATTAGCAGAACAATTTGTTAACCGTTCATTGGTGTGATAACTATCTACGCTA
TTGACGTGAGGCAAGTTCGGCTTCTAACTGTCTATTGACTTGGACAAAATTTTATTAATGTGACCTCAAATCA

Cortinarius sp. 27. Molecular sample BH3046R. Root tips.
GATCATTAATGAAATAAACCTGATGGGTTTGTGGTGGTTTTTTTGGGGACCTGTTCCCCCTTGTTCTCTTTTAATTTTC
CCCTGGGCCCCTTTTGGAGACCCGAATTTTTTTTTGAAATCCTTAGCAATTCAGGTTTGAGGATTGAATTTTTCTTCTT
TCCTTACATTTTCACGTCTATGTTTTTCATATACTCCATGTATGTTATAGAATGTAATCAACGGGCCTTTGTGCCTATA
AACTTAAACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATGGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAG
TGTCATTAATATATCAACCTCCTCAGCTTTTGCATGTTGAGTGTTGGATGTGGGGGTATTTTTGCTGGACTCTCTCTGA
GAGGTCAGCTCCCCTAAAATTCATTAGCGAAACACATGTGTTTATCGTTCATTGGTGTGATCACTATCTACGCTATTGA
CGTCAAAACAGTTTAGCTTCTAACAGTCCACTAACTTGGACAAACTTTATCA

Cortinarius sp. 28. Molecular sample BH3070F. Root tips.
GATCATTATTGAAATAAACCTGATGGGTTGTTGCTGGTTCTCTAGGGAGCATGTGCACGCTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGATCTGGATAGCTTTCTGAATGCTTAGCATTTGGGTTTGAAGATTGACTTTGCGGTCTTTC
TTTACATTTTCAGGTCTATGTTTCTTCATATACCCAAATGTATGTTTATAGAATGTAATAAACGGGCCTTTGTGCCTAT
AAACCTATACAACTTTCAGCAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTG
AATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGA
GTGTCATTAATATATCAACCTCTTCCAGTTTTTACTTGTCGAGTGTTGGATGTGGGGGTATTCTTTTGCTGGTCTCTCT
TCTGAGGTCGGCTCCCCTGAAATACATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATT
GACGTGAAAGCAGGTTCAGCTTATAACGGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 29. Molecular sample BH1155F. Root tips.
TCCACCTGTGCACCTTTTGTAGACCTGGGATATCCCTCTGAATGCTAGCATTCAGGTTTGAGGATTGACTTCCTGTCTC
TCCTTACATTTCCAGGCCTATGTTTCTTGAAATAACCCATATGTATGTTATAGAATGTAATAAAATGGGCCTTTGCGCC
TATAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT
GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAATATATCAACCTCTTCAGCTTGTTGAGTGTTGGATGTGGGGGTTTTTTTTG

Cortinarius sp. 30 Molecular sample BH1643F. Sporocarp specimen voucher=T634.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGTTATCTTTCTGAGTGCTAGCACTCGGGTTTGAGGATTGACTTTCTTTGTCTCTC
TTTACATTTCCAGGTCTATGTTCTTCATAATACCCCAATGTATGTTATAGAATGTAATACTTGGGCCTTTGCGCCTATA
AACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTGAATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTCGAAGTGTTGGATGTGGGGGTTCTTTTTGCTGGCCTTTGT
TAAGGTCAGCTCCCCTGAAATGTATTAGCAGAACAATTTTGTTACCATGTTCATTGGTGTGATAACTATCTACGCTATT
GACTGGAAACAGTTCAGCTTCTAACAATCCATTGACTTGGATAAATCTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 31. Molecular sample BH3741R. Sporocarp specimen voucher=T1195.
GATCATTATTGAAATAACCTTGATGGGTTGCTGCTGGTTCTTTAATGAACATGTGCACACCTGTCATCTTTATATCTCC
ACCTGTGCACTTTTGGTAGACCTGGATAAGTTTCTTAATGCTAGCATTAAGGTTTGAGGATTGACTTTTTGTCTCTCCT
TACATTTCCGGGCTTATGTTTATTCATATACCCCAATGTATGTTATAGAATGTAATAATTGGGCCTTGGTGCCTATACC
ACTATACAACTTTCAGCAACGGATTTCTTGGCTCTGGCATGGATGAAGAAGGCAGCGAAATGCGATAAGTAATGTGAAT
TGCAGAATTCAGTGATTCATGGAATCTTTGAACGCCCCTTGCGCTCCTTGGTATTCCGAGGAGCATCCCTGTTTGAGTG

TCATTAATATATCAACTTCTTCAGCTTTTGCTTGTTGAGTGCGGGATGTGGGGGCTTTTTGCTGGCCTTTTTAAGATCA
GCTCCCCTAAAATGCATTAGCGGAACAATTTGTTGACCGTCATTGGTGTGATAATTATCTACGCTGTTGACGTGAGGCA
GTTCAGCTTCTAACAGTCCATTGATTTGGACAATTTTTCATTAATGTGACCTCAAATCAGGTAGA

Cortinarius sp. 32. Molecular sample BH1588a2F. Sporocarp specimen voucher=T594.
GATCATTATTGAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCCA
CCTGTGCACCTTTTGTAGATCTGGATATCTTTCTGAATGCTTTGCATTTAGGTTCGAGGATTGACTTTTTGTCTTTCCT
TACATTTCCAGTTCTATGTTTCTTCATATACCCCATGTATGTTATAGAATGTAATAAAGGGCCTTTGTGCCTATAAACT
TATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTC
ATTAATATATCAACCTCCTCAAGTTTTTACTTGTTGAGTGTTGGATGTGGGGGTATTTTTGCTGGTCTCTCTGAGGTCA
GCTCCCCTGAAATTCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGTGAAGC
AGGTTCAGCTTCTAACAGTCCATTGACTTGGACAATTTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 33. Molecular sample BH2009F. Sporocarp specimen voucher=T773.
GATCATTATTGAAATAAACTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATTTTTATATCTCCA
CCTGTGCACCTTTTGTAGACCTGGATAATTTTCTGAATGCCTGGCATTCAGGTATGAGGATTGACTTGATTGGCTTTCC
TTACATTTTCAGGTCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAGTAAATGGGCCTTTGTGCCTATAA
ACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGAATTCCGAGGAGCATGCCTGTTTGAGT
GTCATTAATATATCAACCTCTTCAGCTTTTTGTTGATTGAGTGTTGGATGTGGGGGGRATTTTTTTTGCAGGTCTCTTT
TTGAGGTCAGCTCCCCTGAAATGCATTAGCGAAACAATTTTGTTGATCGTTCATTGGTGTGATAACTATCTACGCTATT
GACGTGAAGCATATTTGCTTCTAACTGTCTATCTCAGACAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 34. Molecular sample BH1701F. Sporocarp specimen voucher=T876.
GATCATTATTGAAATAATCCTGATAAGTTGTTGCTGGTTCCCATAAAGAACATGTGCACACTTGTCATCTTTATCTCTC
CACCTGTGCACCTTCTGTAGACTTGGATAACTTTCTTAATATTAGTATTAAGGTTTGGGAATTGACTTTTGTCTATTCT
TACATGTCCAGGTCTATGTTTATTCATATACCCTAATGTATGTTATAGAATGTAATTGTTGGGTCTTTGTGCCTATAAC
ATTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAAT
TGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTG
TCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGTGCTGGATGTGGGGGTCTTTTTGCTGGTCTTTTTAAAAGG
TCAGCTCCCCTAAAATTTATTAGCGGAACAATATGTTGACCGTTCATTGGTGTGATAATTATCTACGCTATTAAACGTG
AGGCAGTTCGGCTTCTAATAGTCCATTGACTTGGACAATTTTTATTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 36. Molecular sample BH1508P. Sporocarp specimen voucher=T501.
GATCATTATTGAAATAATCTGATAAGTTGCTGCTGGTTCTCTAGGGAATATTGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGTCCTGGATATCTCTCTGAATTTCATAATTCAGGTTTTGAGGATTGACTTGATTGTCTCTT
CCTTACATTTCCAGGTCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATCAATGGGCCTTTGTGCCTAT
AAACCTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTCATCTTGAATGAGTGTTGGATGTGGGGGTTTTATTTTTTGCTGGTCTCTTTTCTGAG
ATCAGCTCCCCTGAAATTTATTAGCAGAACAATTTGTGAACCTGTTTATTGGTGTGATAACTATCTACGCTATTGACGG
TGAAGCAGTTCAGCTTCTAATAGTCCTTTGACTTGGTCAAATGTATTTTATTAATGGACATCA

Cortinarius sp. 37. Molecular sample BH3468R. Sporocarp specimen voucher=T1192.
CTCTCTCGAGCGCATGCGCACGCGTCACATTATATATCTACACGTGCGCACTTGTGTACACGTATATCTCTCTGTGTAC
GCGTCACACACAGGTGAGAGAGAGATCTTGTCTCTTTCCCACACACTCACAGGTATATGTTTCTCATATACCACATGTA
TGATATAGTATGATATACGGGGTCTGTGCGCCTATATATATACACAACTCTCAGCAACATATCTCTTCTCTCTCGCATA
GGAGAAGAGCGCAGAAAAATGCGATAAGTAATGAGAAGCGCAGAACACAGAGTATCATAGTATCTGAGAACGCCCCGTG
CGCTCCGGGATTTTGCGAGGCGCACGCGTGTGAGAGTCTCAATAATATCTCAATCTTCTCAGCTTTTTCACACGGAGAG
TGTGGGATGGGGGGGTATTTTTGCTGGACTCTAATTTGAGGTCAGCTCCCCTAAAATGCATTAGCAAAACAATTTGTTT
ACTGCTCATTGGTGTGATAACTATCTACGCTATTGACGGTGAAGCAGGTTTAGCTTCTAACAGTCCATTAACTTGGACA
AACTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 38. Molecular sample BH3459R. Sporocarp specimen voucher=T1183.
GATCATTATTGAAATAAACTTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACGCTTGTCGTCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATGTCTCTCTGAGTGCTAGTCACTCAGGTTTGAGGATTGACTTCATGTCTCTCC
TTACATTTTCAGGCCTATGTTTCTTCATATACCCCAATGTATGTCATAGAATGTAATCAATGGGCCTTTGTGCCTATAA

ATCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGT
GTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGGGTTCATTTGCTGGCCTTTAGCAA
GGTCAGCTCCCCTGAAATGCATTAGCGGAACAATTTGCAGACCGTTCATTGGTGTGATAACTATCTACGCTATTGACGT
GAAGCAGTTCAGCTTCTAACTGTCTATTGACTTGGACAACTTTTCATTAATGTGACCTCAAATCATGTAGG

Cortinarius sp. 39. Molecular sample BH2016R. Sporocarp specimen voucher=T765.
GATCATTATTGAAATAAACTGATGGGTTGCTGCTGGTTCCCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCCA
CCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGAATGCCTAGCATTCAGGTTTGAGGATTGACTTTACTGTCTTTCC
TTACATTTTCAGGCCTATGTTTCTTCATATACCCAATGTATGTTATAGAATGTAGTAAACAGGCCGTTTGTGCCTATAA
ACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGT
GTCATTAATATATCAACCTCTCTGGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGGTTAGGTTTTTTGCTGGCCTCTCT
GAGGTCGGCTCCCCTGAAATGCATTAGCGGAACAATTTGTTGACCGTTCTTGGTGTGATAACTATCTACGCTATTGACG
GGAAGCAGGTTCAGCTTCTAACCAGTCCATTAACTTGGACAAATTTTCATCAATGTGACCTCAAATCATGTACG

Cortinarius sp. 40. Molecular sample BH2076. Sporocarp specimen voucher=T857.
GATCATTATTGAAATAAACTGATGGGTTGCTGCTGGCTCTCTAGGGAGCATTGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGAATGCCCTGCATTTCAGGTTTGAGCATCGACTTTCAAGTCCTT
GCTTACATTTTCAGGCCTATGTGTTTTCATATACCCCCAATGTATGTTATAGAATGTAATAAAACAGGCCTTTTGTGCC
TATAAAATCCATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGT
TTGAGTGTCATTAATATATCAACCTCATCAACTTTTGCTTGTTGGGTGTTGGATCTGGGGGTATTTTTGCTGGCTTCTC
TTCCTGAGGTCAGCTCCCCTAAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTA
TTGACGTGAGGCAGGTTCAGCTTCTAATAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 41. Molecular sample BH3661R. Root tips.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTCTCTTGGGAGCATGTGCACACTTGTCATCTTTATATCTCCA
CTTTGTGCACTTTGTGTAGACCTGGATATCTCTCTGAGTGCTTAGCAACTCAGGTTTGAGGATTGATTTTAATATCTCTC
CTTACATTTCCAGGCCTATGTTTCTTCATATACCCTAATGTATGTTATAGAATGTAATCAATGGGCCTTTGTGCCTATAA
AACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAATTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTTCAATGGAGCATGCCTGTTTGAGTGTCATT
AAATATATCAACCTCTTCAGCTTTTGTTTGCTGAGTGGGGTTGGATGTGGGGGTTTTTGCTGGCTTCTCTCTCTGAGGTC
AGCTCCCCTGAAATTCATTAGCGGAACAATTTGTGGATCGTTCATTGGTGTGATAACTATCTACGCTATCGACGTGAAGC
AGGTTCAGCTTCTAACAGTCCATTGATTTGGCACAAAATTTTCATTAATGTGACCTCAAATCATGTA

Cortinarius sp. 43. Molecular sample BH1501P. Sporocarp specimen voucher=T512.
GATCATTATTGAAATAAACCTGRTGAGTTGCTGCTGGTTCTCTAGGGGACATGTGCACACTCGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATACCTCTCTGAGTGTAAATACTCAGGTCTGAGGATTGATTTTAATATCTGTCC
TTACATTTCCAGGCCTATGTTTCTTCATATTCTCCAATCTATGTTATAGAATGTAGTCAATGGGCCTTTGTGCCTATAA
ACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTTCAATGGAGCATGCCTGTTTGAGTGTCAT
TAATATATCAACCTCTCGAGTTTTTGCTTGCTGAGTGTTGGATGTGGGGGGTTTTGCCGGCCTCTTTCTCTGAGGTCGG
CTCCCCTGAAATTCATTAGCGGAACAATTTGTGGACCCGTTCATTGGTGTGATAACTATCTACGCTATTGACGGTGAAG
CAGTTCTGCTTCTAATAGTCCATTGACTTGGACAAACTTTTATTAA

Cortinarius sp. 44. Molecular sample BH3577R. Sporocarp specimen voucher=T1296.
GATCATTATTGAAATAAACCTGATAAGTTGTTGCTGGTTCTCTAGGGGACATGTGCACACTTGTCATCTTTATATCCCC
TGTGCATTTTTTTGTAGGGCTTTTTTTTCAAAAGGCTCTATGTTCATTTATATACTCAATTGTATGTTACAGAATGTTT
TTGGAGTTATCTATTAGACAACTTTCAGCGACGGATCTCTAGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATA
AGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATG
CCTGTTTGAGTGTCATTTATATATATCATCAACCTTTGTGGTTGGATTTATGGGGGCTTGCTGGACTTTCTGAGGTCAG
CTCCCCTCAAATGCATTAGTTTCAATTTGGTGTGATAACTTATCTACGCTTATTGAACAATATTATTAAATTGTGACCT
CAAATCATGTAGA

Cortinarius sp. 45. Molecular sample BH1707R. Sporocarp specimen voucher=T727.
GATCATTATTGAAATAAACCTGATTAAGTTGTTGCTGGTTCTCTTAGGGGGGACATGTGCACACTTGTCATCTTTATAT
ATCCCCTGTGCATTTTTTTGTAGGGTTTCCTAACCTGAGAGCTGGCCACTCTCAGGTTTCTAGCTCTATGTTCATATAT

ATACTCCAATGTATGTTACAGAATGTTTTTGTAGGCATCTACTATTAGACAACTTTCAGCGACGGATCTCTAGGCTCTC
GCATCGATGAAGAACGCAGCGAAATGCGATAAGTAGTGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCA
CCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTTATATATCATCAACACACCTAGTGTTGGATT
TATGGGGGTTTGCTGGACTTTTTCTGAAGGTCAGCTCCCCTCAAATGCATTTAGTTTCATTGGTGTGATAACTTATCTA
CGCTATTGAACATTTTCATTATTAAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 46. Molecular sample BH1609F. Sporocarp specimen voucher=T586.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTTTAATGGACATGTGCACACCTGTCATCTTTATATCTCC
ACCTGTGCACTTTTTGTAGACCTGGATAAGTTTCTTAATGCTAGCATTAAGGTTTGAGGATTGACTTTTTGTCTCTCCT
TACATTTCCGGGCCTATGTTTATTCATATACCCCAATGTATGTTATAGAATGTAATAATTGGGCCTTTGTGCCTATAAC
ACTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAAT
TGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTG
TCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGTGCTGGATGTGGGGGCTTTTTGCTGGCCTTTTTAAGATCA
GCTCCCCTAAAATGCATTAGCGGAACAATTTGTTGACCGTCATTGGTGTGATAATTATCTACGCTGTTGACGTGAGGCA
GTTCAGCTTCTAACAGTCCATTGATTTGGACAATTTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 48. Molecular sample BH3559. Sporocarp specimen voucher=T1277.
GATCATTATTGAAATAAACTGATGGGTTGCTGCTGGCTCTCTAGGGAGCATTGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGAATGCCCTGCATTTCAGGTTTGAGCATCGACTTTCAAGTCCTT
GCTTACATTTTCAGGCCTATGTGTTTTCATATACCCCCAATGTATGTTATAGAATGTAATAAAACAGGCCTTTTGTGCC
TATAAAATCCATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGT
TTGAGTGTCATTAATATATCAACCTCATCAACTTTTGCTTGTTGGGTGTTGGATCTGGGGGTATTTTTGCTGGCTTCTC
TTCCTGAGGTCAGCTCCCCTAAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTA
TTGACGTGAGGCAGGTTCAGCTTCTAATAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCATGTA

Cortinarius sp. 49. Molecular sample BH3272P. Root tips.
GATCATTATTGAAATAACCTGATGGGTTGTTGCTGGTTCTCTAGGGAGCATGTGCACACYTGTCATCTTTATATTTCCA
CCTGTGCACCTTTTGTAGATCTGGATAGCTTTCTGAATGCCTAGCATTTGGGTTTTGAAGATTGACTTTTTTTTTTCTG
TGTTTTTCTTCACATTCTCATATATGTGTTTTCTCATATACCACTAAAAATGATATAGAATGTTATACGGGTGTCTGTG
CCCCCATACACCTACACAACTCTCCACAAGGTATCTTGGGGTTCTCGCAGAGAAGAAGAGCGCAGAAAAATGAGATAAG
TAATGAGAAGCGCAGAACACAGAGTCTCAGAGTATCTGAGAACGCCCCGTGCGCTCCGGGGTTTTCCGGGGCGCACCCC
TGTGAGAGTCTCATTAATATCTCCCTCTTCTCAGTTTTCTCTTGGAGAGTTGTGAGATGGGGGGGTATTTTTTGCTGGA
TTCTTTTGGAGGTCAGCTCCCCTAAAATACATTAGCAGAACAATTTGTTAACCGTTCATTGGTGTGATAACTATCTACG
CTATTGACGTGAGGCAAATTCGGCTTCTAACTGTCCTATTGACCTTGCGACAACAATTTTATTAATGTGACAT

Cortinarius sp. 50. Molecular sample BH2025F. Sporocarp specimen voucher=T987.
GATCATTATTGAAAATAAACTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGAATGCAAATTCAGGTTTGAGAATTGACTTTTGTGTCTTTTCTT
ACATTTCCAGGCCTATGTTTTTCTCCATTTACCCCAATGTATGTTATAGAATGTAATAAATGGGCCCTCGTGCCTATAA
ACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGT
GTCATTAA

Cortinarius sp. 51. Molecular sample BH3481R. Sporocarp specimen voucher=T1204.
GATCATTATTGAAAATAAACCTGATAGNNTGCTGCTGGTCTNCCNGGAAGCATNGCANNCTNGTCATTTTAATNTTCCA
CNGGGAACCTTTGTAATTTGAAAATCTCTNGGAAGGCCGCCAATTCAGKTTGGGGATGGATTTTTTTTTCCTACATTTT
TAAGTTTAAGTTTTTTAATTTCCCCCAGTATGGTATTGAAAGTAATCAAAATGGTTTTTGGGCCTATAAAATTATACAA
ATTTTAGCAACGGATTTTCTGGCTTTCGGATCGGTGAAGAACGGAAGGAAATGCGATAAGTAAAGTGAATTGCCGAATT
CAGTGAATTATTGGATTTTTGAACGCCCCCTGCGGTCCTTGGTATTTCGAGGGGCCAGCCTGGTTGAGGGTCCTTAATA
TATCCACCTCCTTAGGTTTTGCCTGGTGAGTGTTGGAAGGGGGGGGGAATTTTTTGCTGGACTTTTTCCGAGGTCAGCTC
CCCTAAAATGCATTAGCAAAACAATTTGTTTACTGCTCATTGGTGTGATAACTATCTACGCTATTGACAGTCAAGCAGG
TTTAGCTTCTAACAGTCCTTTAACTTGGACAAAACTTTTTATTAATGTGACCTCAAATCAGGTA

Cortinarius sp. 52. Molecular sample BH2078F. Sporocarp specimen voucher=T855.
GATCATTATTGAAAATAAACCTGATGAGTTGATGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATATC
TCCACCTGTGCACCTTTTGTAGACCTGGATAGCTTTCTGAATGGCTCTGGCCATTCAGGCTTGAGGATTGGCTTTTCAA
GTCTTTCCTTGCATTTTCAGGCCTATGTTTCTTCATATACTCTTAATGTATGTTATAGAATGTAAACAGGCCTCTGTGC

CTATAATTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT
GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAATATATCAATCTCCTCAGCTTTTGCTGTTGAGTTTTGGATGTGGGGGTCTTTTTTTTTGCTGGCCTC
TTGAGGTCGGCTCCCCTGAAATACATTAGCAGAACAACTTGTTTGACCTGTTCATTAGTGTGATAACTATCTACGCTAT
TGACGTGAGGACAGAGTTCAGCTTCTAACAGTCCATTGACTTGGACAACTTTTCATTAATGTGACCTCAAATCAGGTAG
G

Cortinarius sp. 54. Molecular sample BH3445R. Sporocarp specimen voucher=T1172.
GAtCAtTAATGGAATTAACCCTATGGGGTTCCTCTTGTTTTCCTGGGGACCATGGTCACCACTGTTCTTCTTATTTTTT
CCCCCTGTCCCCCTTTGGAGGACTGGGATACTCTTTGGAATGCTGCCATCCAGGTTGGAGGATGACCTTTTGGTCTTTC
TTACCTTCTCCAGCCTTATGTTTTTTTAAATTACCCCAAGTTAGGTAATGAAAGTTAAAAAAGGGCCCTTGGGCCCATT
AACCTTAATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTCGGGTGTTGGATGTGGGGGTCTTTTTTTTGCTGGCCTCTC
TTCTGAGGTCAGCTCCCCTGAAATGTATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTAT
TGACGTGAAGCAGTTCAGCTTCTAACAGTCCATTGACTTGGACAAAATTTCATTAATGTGACCTCAAATCA

Cortinarius sp. 55. Molecular sample BH1564P. Specimen voucher T536.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCCTGTGCATCTTTTGTAGACCTGAGACACATTTCTGAATGGCTTACATTCAGGTTTTGAGGATTGACTTTTATGTCT
CTCCTTACATTTTTCAGGTCTATGTTTTTCATATACCCCATTGTATGTTATAGAATGTAATCAATGGGCTTTATGCCCT
ATAAACGAAATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT
GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAATATATCAACCTCCTCAGTATTTGTTGAGTGTTGGATGTGGGGGGTTTTTTTTTTGCTGGCTTCTTT
CCTGAGGTCAGCTCCCCTGAAATATATTAGCGGAACAATTTGTTGATCGTTCATTGGTGTGATAACTATCTACGCTATT
GACGTGAAGCAGTTCAGCTTATAATAGTCCATTGACTTGGAC

Cortinarius sp. 56. Molecular sample BH3754R. Root tips.
GATCATTATTGAAATAAACCTGATAGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCCA
CCTGTGCACCTCTTGTAAATCTGAATATCTTTCTGAATGCCTAGCATTCAGGTTTGAGGATTGAATTTTTCTTTCCTTAC
ACTTTCAGGTTTATGTTTTCATATACCCCATGTATGTTATAGAATGTAATAAACGGGCCTTTGTGCCTATAAATTTATAC
AACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAAT
TCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAATA
TATCAACCTCTTCAGCTTTTGCTTGTCGAGTGTTGGATGTGGGGGTATTTTTTGCTGGACTCTTTCTTGAGGTCAGCTCC
CCTAAAATGCATTAGCAAAACAATCTGTTTCGCTCATTGGTGTGATAACTATCTACGCTATTGATGTGAAGCAGGTTTAG
CTTCTAACAGTCCATTAACTTGGACAAACTTTTATTAATGTGA

Cortinarius sp. 58. Molecular sample BH3185F. Root tips.
GATCATTATTGAAATAAATCTGATAGGTTGTTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAAATCTGAATATCTTTCTGAATGCATGCCATTCAGGTTTGAGGATTGATTTATCTCTCTCCT
TATACTTTCAGGTTTATGTTTTCATATACCCCATGTATGTTATAGAATGTAATAAACGGGCCTTTGTGCCTATAAATTT
ATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGC
AGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCA
TTAATATATCAACCTCCTCAGCTTTTGTATGTCGAGTGTTGGATGTGGGGGTTAACTTTTGCTGGACTCTTCTTGAGGT
CAGCTCCCCTAAAATGCATTAGCGAAACAATTTGTTTACCGCTCATTGGTGTGATAACTATCTACGCTATTGACGGTGA
AGCAGGTTTAGCTTCTAACAGTCCATTAACTTGGACAAATTTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 59. Molecular sample BH2046R. Specimen voucher T827.
GATCATTATTGAATTAACCTGGATGGGTGGTTGTTAGTTTTTTAGGGAGCATGTGCCCCCCGTCCTTCTTTATTTCCTT
CACCCTGGCCCCCTTTGGTAGCCCGAAATTTCTTTTTAATTGCCCCTTAGTGTTTAGGTTTGAGGATTGATTTTCTGTC
TTTCCTTACATTTTCAGGTCTATGTTTCTTCATATACCCCGATGTATGTTATAGAATGTAATGAATGGGCCTTTGTGCC
TATAAACTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT
GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAATATATCAACCTCCTTCAGCTTTTTTGCTTGTTTGAGTGTTGGATGTGGGGGGCACTTTTTGCTGGT
CTCTTTTTGAGGTCGGCTCCCCTGAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACG
CTATTGACGTGAAGCAGGTTCAGCTTCTAACAGTCCTTTGGACAAGTTTTCATTAATGTGACCTCAAATCATGTAG

Cortinarius sp. 60. Molecular sample BH3526R. Sporocarp specimen voucher=T1244.

GATCATTATNGAAATAANCCTGATNGGTGCTGCNNGTCNCTAGGAAGCATNNGCCAACTTGTCATTCTTTNNNCCCCNN
CNNNTGNACTCCTNGAGATCTGAANTTCTTCTGAATGCCCCTAGCATTCAGGTTGAGAATTGATTTTTTCTTTCCTACC
TTTTCANGTTTTTTTTTCAAAACCCCCATTTATGTTTTAGGAAGGAATAAACGGCCTTTTTGCTATAAATTTTTAAAAC
TTTCAGCAAAGGATCTCTTTGCTCTCNCAACGGTGGAAGACGGCACGAAAATGCGATAAGTAAGTGAATTGGCAGAATT
CATGGATTCACGGATTCTTGGAACCCCCCTTGCGCTCCTGGGTATTCCGAGGACCAGCCCTGTTGGAGGGTCATTAATA
TACCACCTTCTTCAGTTTTTCCATGTTGAGTGTGGGATTGGGGGGTATTTTTTGCTGGACTCTTCTTTCTTGAGGTCAG
CTCCCCTAAAATGCATTAGCAAAACACTTCGTTTCGCTCATTGGTGTGATAATTATCTACGCTATTGATGTGAAGCATG
TTTAGCTCCTAACAGTCCATTAACTTGGACAACTTTTTATTAATGTGACCTCAAATCA

Cortinarius sp. 61. Molecular sample BH3718R. Root tips.
GATCATTATTGAAATANCCTGATGGGTGCTGCTNGCTCTCTAGGGAGCATGTGCACACTNGTCATCTTTAATTTNCACCT
GTTGCACTCTGTAGATCTGAATAACCTTTCTGAATGCGTAGCGTTCAGGGTTTGAGGATTGATTTATTTCATTCCTTCCA
CTTTCAGGNTTTATGTTTTTCAAAAACCCCATGTAGTTTATGAAATTAAAAAACCGGCCTTTTTGTCCTATAAATTTAAT
CCACTTTTAGCAACGGATTTTTTGGCTTTTGGCTTGGTGAAGGACGGAAGGAAATTCGATAAGTAAAGTGAATTGCCGAA
TTCAAGGAATTCTTGGATTTTTGAACGCCCCCTGCGGTCCTTGGTATTTCGAGGAGCCAGCCCGGTTGAGGGTCCTTTAA
AAATCCACCTTCTTTGGTTTTGCCAGGTGAGGGTTGGAAGGGGGGGGATTTTTGCCGGGCTTTTTTTTTTGAGGTCAGCT
CCCCTAAAATGCATTAGCAAAACAATTTGTTTCGCTCATTGGTGTGATAACTATCTACGCTATTGATGTGGAGCAGGTTT
AGCTTCTAACAGTCCATTAATTTGGACAAACTTTTATTAATGTGACCTCAAATCAGGT

Cortinarius sp. 62. Molecular sample BH2207F. Sporocarp specimen voucher=T1078.
GATCATTATTGAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGGGAACATTGTGCACACTTGTCATCTTTATATATCT
CCACCTGTGCACCTTTTGTAGACCTGGATATCTCTCTAAGTGGCTTTTGGTCACTTGGGTTTTTGAGGATTGACTTTAT
TGTCTCTTCCTTACATTTCCAGGCCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATAAATGGGCCTTT
GTGCCTTTAAACTTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATA
AGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATG
CCTGTTTGAGTGTCATTAATATATCAACCTCTTTCATTTTTTTTTTTTGATTTGAGTGTTGGATGTGGGGGTTATTTTT
TGCTGGCCTTTGTTCACCANAGGTCAGCTCCCCTGAAATGCATTAGCARAACAATTTTTTGTTGACCGCTCATNGGGGT
GATAACTATCTACGCTATTGACGGGAAAGCAGGTTCAGCTTCTAACAGTCCATTGACTTGNACAAATTTTTATTAATGT
GACCTCAAATCAGGTAGG

Cortinarius sp. 63. Molecular sample BH984F. Sporocarp specimen voucher=T486.
GATCATTATTGAAATAAACCTGATGGGTTGTTGCTGGTTCTCTAGGGAGCATGTGCACGCTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGATCTGAATAGCTTTCTGAATGCCTAGCATTTGGGTTTGAAGATTGACTTTGTTGTCTTTC
TTTACATTTTCAGGTCTATGTTTCTTCATATACCCCAATGTATGTTATAGAGTGTAATAAACGGGCCTTTGTGCCTATA
AACTTATACAACTTTCAGCAACGGATCTCTTGGTTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAG
TGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTCGAGTGTTGGATGTGGGGGTATTTTTATTTGCTGGCCTCTCT
TGAGAGGTCAGCTCCCCTAAAATATATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTATT
GACGTGAAGCAGGTCCAGCTTCTAACAGTCCATTAATTTGGACAAAATCTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 64. Molecular sample BH2052F. Sporocarp specimen voucher=T833.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACGCTTGTCATCTTTATATCTCC
ACCTGTGCACTCTCTGTAGACCTGGATATCTCTCTGAATGCCTGGCATTCAGGTTTGAGGATTGACCTTTGCAGTCTCT
CCTTGCATTTCCAGGCCTATGTTTTTAATATACCCATCCCCTGTTTATAGAATGTAATAAATGGGCCTTTGTGCCTATA
AACCTTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTCTTCAGATTTTTGTTTGTCGAGTGTTGGACGTGGGGGTTCTTTTTGTTGGCCTTCGT
TACTGAGGTCAGCTCCCCTGAAATGCATTAGCGGAACATTTTGTTGACCTGTTCATTGGTGTGATAACTATCTACGCTA
TTGACGGTGGAGCAACCAAGTTCAGCTTCCAACAGTCCATTGACTTGGACAAAATTTTCATTAATGTGACCTCAAATCA
GGTAGG

Cortinarius sp. 65. Molecular sample BH1649F. Sporocarp specimen voucher=T621.
GATCATTATTGAATAAACCTGATGAGTTGCTGCTGGTTCTCCAAAGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTCTGAGTGCTTAGCACTCAGGTTGGAGGATTGACTTTTCTGTCTCTCCT
TGGCATTTTCAGGCCTATGTTTCTTCAAATACCCCAAATGTATGTCATAGAATGTAAATACAAATGGGCCTTTGTGCCT
ATAAATCTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT
GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAATATATATCAACCTCCTCAACTTGCTTGTCGAGTGTTTGGATGTGGGGGGTCTTTTTTTGGTGGTCT

CTTTTCTGAGATCAGCTCCCCTGAAATGCATTAGCGGAACAATTTGTGGAACGCTTCATTGGTGTGATAACTATCTACG
CTGTTGACGTTAAGCAGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATGTATCATTAATGTGACCTCAAATCAGGT
AGG

Cortinarius sp. 66. Molecular sample BH2059F. Sporocarp specimen voucher=T627.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCGGGATATCTCTCTGAATGCTAGCATTCGGGTTTGAGGATTGACTTTTTGTCTCTCCT
TACATTTCCAGGTCTATGTTTCTTCATATAATAACCCCAATGTATGTTACAGAATGTAATAAATGTGCCTATGCGCCTA
TAAAACATTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAT
GTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAATATATCAACCTCTTCAGCTTTTGCTTTTTGAGTGTTGGATGTGGGGGGTTTAATTTTGTTGGCCTT
TCTCAGGTCAGCTCCCCTGAAAAGCATTAGCCGGAATAATTTGTGGACCCGTTCATTGGTGTGATAAACTATCTACGCT
ATTGACGTGAAACAGGTTCGGCTTCTAACAGTCCATTGATTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAG
G

Cortinarius sp. 67. Molecular sample BH3136F. Root tips.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTCTCTGAGTGCCTAGCACTCAGGTTTGAAGATTGACTTTATTGTCTTTC
TTTACATTTCCAGGCCTATGTTTCTTCATATACCCCAATGTATGTCATARAATGTGATAATGGGCTTTGTGCCTATAAA
TTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAAT
TGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTG
TCATTAATATATCAGCCTCTATAATTTTTTATTGAGTGTTGGATGTGGGGGTCTTTTTGCTGGCTTCTCTGAGGTCAGC
TCCCCTGAAATACATTAGCGGAACAATCCCGTTCATTGGTGTGATAACTATCTACGCTATTGACGTGAAGCTGTTTAGC
TTACAACAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 68. Molecular sample BH2068F. Sporocarp specimen voucher=T878.
GATCATTATTGAAATAAACCTGATAGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGGCCTGAATAACTTTCTGAATGCCTAGGCAATTCAGGTTTGAGGATTGACTCTTCGTCTTT
CCTTACATTTTTAGGCCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAGTAATGGGCCTTTGTGCCTATA
AACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAG
TGTCATTAATATATCAACCTCCTCAAGTTTTTGCTTGTTGAGTTTGGATGTGGGGGTTTTTTTTTGTTGGTCTCTTTTC
TGAGGTCAGCTCCCCTGAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAAACTATCTACGCTATTG
ACGTGAAGCAGGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 69. Molecular sample BH1583F. Sporocarp specimen voucher=T596.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACGCTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATAACTTTCTGAATGCCCAGCATTTCAGGTTTGAGGATTGACTTTCTGTCTTTT
CCTTACATTTTCAGGCCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATAAACGGGCCTTTGTGCCTAT
AAACCTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTCCTCAGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGTACCTTTTTGCTGGCATCTCT
TTCTGAGGTCGGCTCCCCTGAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTAT
TGACGGTGAAGCAGGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 70. Molecular sample BH3566R. Sporocarp specimen voucher=T1284.
GATCATTATTGAAATAAACCTGATGAGTTGCTGCTGGTTCTCTAGGGAACATGTGCACACTTGTCATCTTTGTATTTCC
ACCTGTGCACCTTTTGTAGACTTGGATATCTTTCTGAATGCATTTTCAGGTTTGAGGATTGACTTGCTTGTCTCTCCTT
AAATTTCCAGGTCTATGTTTATTCATATACACCCTAATTATGTTATAGAATGTAATAAAGTGAGCCTTTAGCGCTTATA
AACCTTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCCCTTCAGCTTTTGTGCTTGTTGAGTGTTGGATGTGGGGGTTTTGCTGGCCTTTCAAAA
GGTGCAGCTCTCCTGAAATGTATTAGCGGAACAATTTGTTGAATCGTTCATTGGTGTGATAACTATCTACACTATTGAC
CGTGAAGCAAGTTCAGCTTCTAACAGTCCATTGACTTGGACAAATTTTATTTAATGTGACCTCAAATCAGGTAG

Cortinarius sp. 71. Molecular sample BH3022F. Root tips.
GATCATTATTGAAATAAACTGATGGGTTGCTGCTGGTTCTCTAGGGAGCATGTGCACACTTGTCATTTTTATATCTCCA
CCTGTGCACCTTTTGTAGACCTGGATAATTTTCTGAATGCCTGGCATTCAGGTATGAGGATTGACTTGATTGGCTTTCC

TTACATTTTCAGGTCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAGTAAATGGGCCTTTGTGCCTATAA
ACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGAATTCCGAGGAGCATGCCTGTTTGAGT
GTCATTAATATATCAACCTCTTCAGCTTTTTGTTGATTGAGTGTTGGATGTGGGGGGAATT

Cortinarius sp. 72. Molecular sample BH3573F. Sporocarp specimen voucher=T1292.
GATCATTATTGAAATAAATCTGATAGGTTGCTGCTGGTTTCTCTAAGGAACATGTGCACGCTTGTCATCTTTATATTTC
CACCTGTGCACCTCTTGTAGACCTTGGATATCTTTCTGAATACTAGTTTAGTACTCAGGTATGAGGATTGACTTTTCTG
TCTCTCCTTACATTTCCAGGCCTACGTTTTCTTCATATACCCCCAATGTATGTTATAGAATGTAATAAATGGGCCTTTG
TGCCTATAAATCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAG
TAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCC
TGTTTGAGTGTCATTAATATATATCAACCTCCTCAACTTTTGGTTGTCGAGTGTTGGATGTGGGGGGTTCTTTTTTGCC
GGGTCTCTTTTAATTGAGGTCGGCTCCCCTGAAATGCATTAGCAGAACAATTTGTTGATCGTTCATTGGTGTGATAAAC
TATCTACGCTATTGACGTGAGGCAATTCAGCTTCTAACAATCCATTGACTTGGATAAGTTTTTATTAATGTGACCTCAA
ATCAGGTAGG

Cortinarius sp. 73. Moleuclar sample BH3209F. Root tips.
GATCATTATTGAAATAAACCTGATAGGTTGCTGCTGGTTCTCTCGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAAATCTGAATATCTTTCTGAATGCGTGCCATTCAGGTTTGAGGATTGATCTTTTTCTTTCCT
TACATTTTCAGGTTTATGTTTTTCATATACCCCATGTATGTTACAGAATGTTATAAACGGGCCTTGTGCCTATAAATTT
ATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGC
AGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCA
TTAATATATCAACCTCTTCAGCTTTTTGCACGTTGAGTGTTGGATGTGGGGGTATTTTTGCTGGACTCTAATCTGAGGT
CAGCTCCCCTAAAATGCATTAGCAAAACAATTTGTTTACTGCTCATTGGTGTGATAACTATCTACGCTATTGACGGTGA
AGCAGGTTTAGCTTCTAACAGTCCATTAACTTGGACAAACTTTTATTAATGTGACCTCAAATCAGGTAGG

Cortinarius sp. 74. Molecular sample BH3118F. Root tips.
GATCATTATTGAAATAAACCTGATAGGTTGCTGCTGGCTCTTTCGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAAATCTGAATATCTCTCTGAATGCCTGCCATTCAGGTTTGAGGATTGATCTTTTTCTYTCCT
TACATTTTCAGGTTTATGTTTTTYATATACCCCATGTATGTTATAGAATGTAATAAACGGGTCTTTGTGCCCATAAATT
TATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTC
ATTAATATATCAACCTCTTCAGCTTTTTGCATGTTGAGTGTTGGATGTGGGGGTATTTTTGCTGGACTCTAATTCGAGG
TCAGCTCCCCTAAAATGCATTAGCGAAACAATTTGTTTACTGCTCATTGGTGTGATAACTATCTACGCTATTGACGGTG
AAGCAGGTTTAGCTTCTAACAGTCCATTAACTTGGACAAACTTTTATTAATGTGACCTCAAATCAGGTAGG

Dermocybe sp. 1. Molecular sample BH1539F. Sporocarp specimen voucher=T527.
GATCATTATTGAATAAACCTGATAAGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCCT
CCTGTGCACCTTTTGTAGACTTGAATATCTCTCTGAATGTGCGCAAGCGGATTCAGGTTTGAGGATCTGGCTTGGCAAC
TTGTCTTTCCTTGTATTCAAGTCTATGTTTTCATATACCCAATGTATGTCATAGAATGTTATAAATGGGCTTATATGCC
TATAAACCTATTACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGT
TTGAGTGTCATTAATATATCAACYTCTTCAGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGTYTCTTTTGCTGGTCTTC
TTGTGAGGTCAGCTCCCCTAAAATGTATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAATTATCTACGCTAT
TGACGTGARGCAGAGTTCAGCTTCTAATAGTCCATTGACTTGGACAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Dermocybe sp. 2. Molecular sample BH3569F. Sporocarp specimen voucher=T1287.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGCTCTCTAGGGGGCATGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACTTTTTGTAGAACTGAACATCTTTCTGAAAGCAATTCAGGTTTGAGGATTTGACTTTTGTCTCTCCTTGC
ATGTTCAGGACTATGTTTCTACATTTATACCCCATGTATGTTATAGAATGTAATAAATGGGCCTTTGTGCCTATAAACC
TTTACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTC
ATTAATATATCAACCTCTTCAGCTTTTGCTTGCTGAGTGTTGGATGTGGGGGTTACCTTTTTGCTGGTCTCTTTTCTGA
GGTCAGCTCCCCTAAAATGTATTAGCGGAACAATTTTGTTGACCGTTCATTGGTGTGATAATTATCTACGCTATTGACG
TGAAACAAGTTCAGCTTCTAATAGTCCATTGACTTGGACAGTTTATTTCATTAATGTGACCTCAAATCA

Dermocybe sp. 3. Molecular sample BH3480F. Sporocarp specimen voucher=T1203.
GATCATTATTGGTATACACGTGATGAGTTGCTGCTGGCTCTCTAGGGGGCATGTGCACACTTGTCATCTTTATATCTCC

TCCTGTGCACCTTGTGTAGACCTGAATATTTTGCTGAATGCGCGCAAGCGGGTTCAGGTTTGAGGATTTGGCAACTTGT
CTTTCCTTGTATTTCAAGTCTATGTTTTCATATACCCCAATGTATGTTATAGAATGTTATAAATGGGCCTGTATGCCTA
TAAACCTATTACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATG
TGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTT
GAGTGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGTTTTTTCTGCTGGTCTTTTT
GCGAGGTCAGCTCCCCTAAAATGCATTAGCGGAACAAGTTTGTTGACCGTTCATTGGTGTGATAATTTATCTACGCTAT
TAACGTGAAGCATAGTTCAGCTTCTAATAGTCCATTTACTTGGACAATTTTCATTAATGTGACCTCAAATCA

Dermocybe sp. 4. Molecular sample BH1545F. Sporocarp voucher=T518.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
TCCTGTGCACCTTTTGTAGACCTGGGATATTCTTCTGGACTTGCGCAAGCAGGTTCAGGTTTGAGGATTTGGCATTTGT
CTTTCCTTGCATTTCAGGTCTATGTTTTTCATATACCCCTGTATGTTATAGAATGTAATCAATGGGCCTTTGTTGCCTA
TAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGCGTTGGATGTGGGGGTATTTATTTGCTGGTCTCTTT
GTGAGGTCGGCTCCCCTAAAATGCATCAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAATTATCTACGCTATTG
ACGTGAAGCAGAGTTCAGCTTCTAACAGTCCATTCACTTGGACACTTTTCATTAATGTGACCTCAAAT

Dermocybe sp. 5. Molecular sample BH1655F. Sporocarp specimen voucher=T632.
GATCATTATTGAATAAACCTGATGGGTTGCTGCTGGCTCTCTCTAGGGGCATGTGCACGCTTGTCATCTTTATATCTTC
TCCTGTGCACCTTTTGTAGACCTGAATATCTTTTCTGAATGTGCAAGCGTTCAGGTTTGAGGATTTGGCGTTGTCTGCC
GTTCCTTGTATTTTCAGGTCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATAATATGGGCCTCTGTGC
CTGTAACCTTGTACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGT
TTGAGTGTCATTAATATATCAACCTCTTCAGCTCTTTGGTTGTTGAGTGTTGGATCTGGGGGGTTCTCTTTTGCTGGTCT
CTTCTTGAGATCGGCTCCCCTAAAATGCATTAGCGGAACAATTTGTTGACTCGTTCATTGGTGTGATAATTATCTATGC
TATTGACGTGAAGCAAGGTTCAGCTTCTAATAGTCCATTGAGTTGGACAGCTTTTCATTAATGTGACCTCAAATCAGGT
AGG

Dermocybe sp. 6. Molecular sample BH1574R. Specimen voucher T608.
GATCATTATTGAAATAAACTGATGGGTTGCTGCTGGCTCTCTTGGGAGCATGTGCACACTTGTCATCTTTATATCTCCA
CCTGTGCATTTTTTGTAGACTTGAATATCTTTCTGAATACTTCAGGTATTTGGGCTTGAGGATTTGACTTTGTCTTTCC
TTGGGTTTTCAGGTCTATGTTCCTTCATATACCCTAATGTATGTTATAGAATGTAATAAATGGGCCTTTGTGCCTATAA
ACTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGT
GTCATTAATATATCAACCTTATTAGCTTTTGCTTGTTAAGTGTTGGATGTGGGGGTTATCTTTTGCTGGCTTCTTTCTG
AGGTCAGCTCCCCTAAAATGCATTAGCGGAACAATTTGTTAATCGTTTCATTGGTGTGATAATTATCTACGCTATTGAC
GTGAAACTGGTTCAGCTTCTAATAGTCCATTGACTTGGACAATTTTCATTAAT

Dermocybe sp. 7. Molecular sample BH2076F. Specimen voucher T857.
GATCATTATTGAAATAAACTGATGGGTTGCTGCTGGCTCTCTAGGGAGCATTGTGCACACTTGTCATCTTTATATCTCC
ACCTGTGCACCTTTTGTAGACCTGGATATCTTTCTGAATGCCCTGCATTTCAGGTTTGAGCATCGACTTTCAAGTCCTT
GCTTACATTTTCAGGCCTATGTGTTTTCATATACCCCCAATGTATGTTATAGAATGTAATAAAACAGGCCTTTTGTGCC
TATAAAATCCATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGT
TTGAGTGTCATTAATATATCAACCTCATCAACTTTTGCTTGTTGGGTGTTGGATCTGGGGGTATTTTTGCTGGCTTCTC
TTCCTGAGGTCAGCTCCCCTAAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTA
TTGACGTGAGGCAGGTTCAGCTTCTAATAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Dermocybe sp. 8. Molecular sample BH3586R. Root tips.
GATCATTAATGAAATTAAACGGTGGGGTGGTGGCGGCTTTTTAAGGAACATTGGTCCCAACTGTTATTCTTAATTTTTC
AACTTGGGACCTTTTGTTGGACTGGATATTCTTTTGAATTGCCCGCCATTCCAGGTTGGACCTTGAATTTCCAGTCCTT
GGTTACATTTTCAAGCCTAAGTTGTTTTAATATCCCCCCAAGTTAGTTATTGAAAGTTATTAAACCGGCCTTTTTGTCC
TTTTAAATCCATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGT
TTGAGTGTCATTAATATATCAACCTCATCAACTTTTGCTTGTTGGGTGTTGGATCTGGGGGTATTTTTGCTGGCTTCTC
TTCCTGAGGTCAGCTCCCCTAAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAACTATCTACGCTA

TTGACGTGAGGCAGGTTCAGCTTCTAATAGTCCATTGACTTGGACAAATTTTCATTAATGTGACCTCAAAT

Dermocybe sp. 9. Molecular sample BH2185F. Sporocarp specimen voucher=T1090.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
TCCTGTGCACCTTTTGTAGACCTGAATATATTTCTGAATGTGTGAACATTCAGGTTTGAGGATTTGGCATTGTGTCATT
CCTTGTATTTTCAGGCCTATGTTTCTTCATATACCCAATGTATGTTATAGAATGTAATAAATGGGCCTCTGTGCCTATA
AACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAG
TGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTTGAGCGTTGGATGTGGGGGTATYTTTTGCTGGACTCTTTTT
GAGGTCAGCTCCCCTTAAATGCATTAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAATTATCTACGCTATTGAC
GTGAAGCAGAGCTCAGCTTCTAACAGTCCATTGACTTGGACAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Dermocybe sp. 10. Molecular sample BH2062P. Sporocarp specimen voucher=T848.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
TCCTGTGCACCTTTTGTAGACCTGAGATACTCTTCTGAACTTACGCAAGCAGGTTCAGGTTTGACATTTGTCTTTCCTT
GCATTTCAGGTCTATGTTTTCCCATATACCCCAATGTATGTTATAGAATGTAATGAATAGGCCTTTGTGCCTATAAACC
TAATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATT
GCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGT
CATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGTGTTGGATGTGGGGGTATCTTCTTTTGCTGGTCTCTCTTTG
TGAGATTGGCTCCCCTAAAATGTATCAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAATTTATCTACGCTATTG
ACGTGAAGCAGAGTTCAGCTTCTAACAGTCCATTGAC

Dermocybe aff. *globuliformis*. Molecular sample BH2048F. Sporocarp specimen voucher=T813.
GATCATTATTGAAATAAACCTGATGGGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTCC
TCCTGTGCACCTTTTGTAGACCTGGGATATTATTCTGGACTTGCGCAAGCAGGGTTCAGGTTTGAGGATTTGGCATTTG
TCTTTCCTTGCATTTCAGGTCTATGTTTTCCATATACCCCTGTATGTTATAGAATGTATTTAATGGGCCTTTGTTGCCT
ATAAACCTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATG
TGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTT
GAGTGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGTTGAGCGTTGGATGTGGGGGTATCTTTTTTGCTGGTCTCT
TTGTGAGGTCGGCTCCCCTAAAATGCATCAGCGGAACAATTTGTTGACCGTTCATTGGTGTGATAATTATCTACGCTAT
TGACGTGAAGCAGAGTTCAGCTTCTAACAGTCCATTCACTTGGACACTTTTCATTAATGTGACCTCAAATCAGGTAGG

Dermocybe kula. Molecular sample BH1582F. Sporocarp specimen voucher=T603.
GATCATTATTGAAAATAAACCTGATGGGTTGCTGCTGGCTCTCTAGGGAGCATGTGCACACTTGTCATCTTTATATCTC
CTCCTGTGCACCTTTTGTAGACCTGGGGATATCTTTCTGACTGCGTAAGCAATTCAGGTTTGAGGATTTGACGTTGTCT
TTCCTTGTGTTTTCAGGTCTATGTTTCTTCATATACCCCAATGTATGTTATAGAATGTAATTTGGGCCTCTGTGCCTAT
AAACCTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGT
GAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTG
AGTGTCATTAATATATCAACCTCTTCAGCTTTTGCTTGCTGAGTGTTGGATGTGGGGGGTATTTTGCTGGTCTCTTTTT
GAAATCAGCTCCCCTAAAATGCATTAGCGGAACAATTATGTTGACCGTTCATTGGTGTGATAATTATCTACGCTATTGA
CGTGAAACAAGTTCAGCTTCTAATAGTCCATTAACTTGGACAATTTTCATTAATGTGACCTCAAATCAGGTAGG

Descolea recedens. Molecular sample BH3351P. Root tips.
GATCATTACAGAATAAACTTGATGGGTTGTAGCTGGCTCTTTCGGGAGCATGTGCACGCCTGTCACTTTTGTCTTTCCA
CCTGTGCACCCTTTGTAGACTTTGGAATTTGAAAACTATCTGAAAGCTTTAAACGGCCTTTGGTTTGAGGGATTGTTGT
GCCCTTTTTTTGGGTCAGCTTCCCTTGCAGGTTCCAAGTCTATGTTTTTTTATATACCCCATAGTATGTTTTAGAATGT
TATCAAAGGCCCTAGTGCCTATAAAATTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGC
AGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTA
TTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAACCTTATCATCTTTGATGAAAAGGCTTGGACTTGGGGGA
TTTATTTGCAGGCTTCARCCATATGAAGTTGGCTCCCCTTAAATGTATTAGCCGGAAAAGCCCTTGTGGTCCGTCTATC
GGTGTGATAATTATCTACGCTGTGGACAAGGCTGCCATTTTGTAATGGGATTTCTGCTTCAA

Descomyces aff. *albus*. Molecular sample BH1218F. Root tips.
GATCATTACNGAATNNAcTTGAtGGGWTGTAGCTGGTTCCTTCGGGAGCATGTGCACGCCCGTCACCTTTATCTTTCCA
CCTGTGCACCCTTTGTAGACTTGGGATTTAAAATTATCTGAAGGCCTTGAAAAAGCCCTTCAGTCTGAGGGATTGCTGT
GCCCACCCCTGGGTCAGCTTCCTTCGTGGTTCCAAGCCTACGTTTTTCATATACCCCATAGCATGTCTCAGAATGTATT
GAAAGGCCTGAGCGCCTATAAACATTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGC
GAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTC

CGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAACCTTACCATCACTGATGGCAAGGCTTGGACTTGGGGGTTTC
ATTTTGCAGGCTTCAACTGAAGTCGGCTCCCCTTAAATGAATTAGCCGGAAAACCCTTGTGGACCCGTCTATTGGTGTG
ATAATTATCTACGCCGCAGGATAGGACTGCACTTTTGTAATGGGATTTCTGCTTCAAACCGTCCTTTGGGACAACCATT
TGACCATTTNACCTCAAATCAGGTAGG

Ectomycorrhizal sp.1. Molecular sample BH3236R. Root tips.
GATCATTACAGAGTTCATGCCCTCNGGGTAGATCTCCCACCCACTGTTATCATTACTCTNGTTGNTTTGGCGGGCCGTT
GGGCCTTGCCCGGCCGCCGGNTCCGGNTGGCGCGTGCCCNCCAGAGGCTCCACAGACTCTGAATGTTAGTGTCGTCCGA
GTAACTATATAATCGTTAAAACTTTCANCANCGGATCTNTTGGTTCTGGCATNGATGAAGAACGCAGCGAAATGCGATA
AGTAATGCGAATTGCAGAATTCAKTGAGTCATCGAATCTTNGAANNCACATTGCGCCCTGTGGTATTCCNCAGGNCATG
CCTGTTCGAGCGTCATTTCAACCCTCAAGCCCAGCTTGGTG

Ectomycorrhizal sp. 2. Molecular sample BH3643R. Root tips.
GATCATTACCGAGTTCATGCCCTCACGGGTAGATCTCCCACCCTTTGTCATTATTACCTTTGTTGCTTTGGCGGGCCGTC
AGGCTTCGGTCAGGCTACCGGCTCCGGCTAGTAAGCGCCCGCCAGGGGACCTAAAACTCTGAATATCAGTGTCGTCTGAG
TACTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCGTGGTATTCCGCGGGGCATGCCTG
TTCGAGCGTCATTACAACCCTCAAGCGTAGCTTGGTATTGGGCTCCGCTGGTTCCAGCGGGCCTTAAAATCAGTGGCGGC
GCCCTCAGGCTCTGAGCGTAGTAAATATTCCTCGCTACAGAGTCCTGGGCGGCGGTGGCCATCAACCCCCGCAACTTTCT
AAGTGTGACACCAAGATCA

Elaphomyces sp. 1. Molecular sample BH1613F. Sporocarp specimen voucher=T566.
GATCATTACCGAGCGTGGGTCCCCTGACCCCCTTCCCGGGGGGGCGGGGTTGACCCTTAGACCTCCCACCCTTGTCGAT
CGTACCGTGTTGCTTCGGCGGGCCCGCCATTGGCCGCCGGGGGGCTCGCGACTCGTGAGCGTTGCCCCCGGGCCCGTGC
CCGCCGGAGACCTCCCTCGAAATGCTACTGTGGTCAGGAATGCTGTCTGAGTGGGAACGATGTGAGAAATTGATCTTTA
AAACTTTCAACAATGGATCTCTTGGTTCCGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGCGAATTGCAGA
ATTCCGTGAGTCATCGAATCTTTGAACGCACATTGCGCCCCCCGGCTTCCCGGGGGGCATGCCTGTCCGAGCGTCATTG
CCATCCCCTCAAGCTCCGCTTGGCTGGTTGGGCCGGCGTCCCCCCCCGGCTTTGTGCCCGGGGGGACGGGCCCGAAAGG
CAGTGGCGGCTCCCGGAGGGTGGTCCTTTGGGGCGGTGATACATGGGTTGTCGTCTTCCGCCGCTCTCTTGGCCACGCT
CCGGGGGCCCGTCGAATGATTGGTCTCCCCCGTTAGGTTGACCTCGGATCAGGTAGG

Entoloma sp. 1 Molecular sample BH995R. Sporocarp specimen voucher=T503.
GATCATTATTGAATAAACTTGGTTGGGTTGTTGCTGGTTCTTCGGGACATGTGCACACCTGGCAAATGTTTTTAACCAC
CTGTGCACCTTTTGTAGATCTGAAATAACTTTTGAGGAAACTCAGTTTGAGGATTGCTGTGTGAAAACCAGCTTTCCTT
GCATTTCAGGTCTATGTTTTATATACTCCATAAGCAAGTAATAGAATGTTATTATTGGCCTTTGAGCCTTTAAACTAAA
TACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCA
GAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCAT
GAAATTCTCAACCTTTCTGGTTTTTATTAACTAGTCTGGCTTGGATTGTGGGGGTTGCTGGCTTCTAAGAAGTCAGCTC
TCCTTAAATGTATTAGCAAAATCTTTGCTGACCATCCTTTGGTGTGATAATTATCTACGCCATTGAGAATCAGCTTTTA
TAGATTTAGCTTCTAACTGTTCATTTTGAACAATTTATGACAATTTGACCTCAAATCAgGTAGA

Entoloma sp. 2. Molecular sample BH3001R. Sporocarp specimen voucher=T1101.
GATCATTATTGAATAAACTTGGTTAGGTTGTTGCTGGCTCTTAGGAGCATGTGCACGCCGACTCCATCTTTAACCACCT
GTGCACTTTGCGTAGATCTGAACATTTCGAGTACACTCGGTTTGAGAATTGCTGTGCGTAAGCCAGCTCTTCTTGTATT
CAGGTCTATGTTTTCACATACCCCATATGAATGTATACGAATGTTACAATTGGCCTTGTGCCTATAAAACAAATACAAC
TTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTC
AGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATGAAATT
CTCAACCTATCTAGTTTTCTAACTTAGTTAGGCTTGGATCATGGAAGTTGCTGGGTCATTTCGAATCAGCTCTTCTTAA
ATGTATTAGCAAAGACTTTTGCTGACCATCATTGGTATGATAATTATCTATATCATTGGTAACCAGTTCCCTTTCATAG
GGAGGTCTTGCTTCTAATAGTCGTTTCGACAACTTGACACCTTTGACCTCAAATCA

Entoloma sp. 3. Molecular sample BH1535R. Specimen voucher T549.
GATCATTATTGAATAAATTTGGTTGGGTTGTTGCTGGCTCTGAGGGGCATGTGCACGCTCACGCCATATTTAAACCACC
TGTGCACCTTGTGTAGAAGTGTTCGACTCAACCTTTTGAAGCGCTCGCTTCGGCACAGACGTTAACTCGTCTGAATAGC
GTTGAATAATTCTGGTTGACGAAGCCAGGTGTCCTTCGGGATGCTCACAAGATCAAGCAGTACCGCAGAGCTCGTCTTC
AAGGACCAAGTCCGCTTCGGCGTTGAATTGGGAATTGGAGGCTTTGACGCACTGTGTCTGCACTGTCATATTCCTGTAC
CTACCGTAACCCGCTCTCTTTGGAGAGTGTGCTACTAGGTGGCTTTGACGGGATTGGTTAAACCATGACCGGAACACTT
CTATGTTTTTATACACACTACATGTATCAGAATGTTATATATAGGCTTTCATGCCTCTAAACATAAAACAACTTTCAAC

AACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAAT
CATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATGAAATTCTCAACC
TCTCTAGCTTTTATGAGCTTGGCGAGGCTTGGACTTTGGAGGTTGCTGGATTCTATGAATTTGACTCCCCTGAAATACA
TTAGCACGACCTTTGCTGATGCATCTTTGGTATGATAATTATCTATACCATAGAGAATCGGTTTCTCTATATGAGGAAG
GTTGGCTCCTAATCGTCTTCACAGACAACTTTGACAATTTGACCTCAAATCA

Entolomataceae sp. 1. Molecular sample BH2104F. Sporocarp specimen voucher=T907.
GATCATTACTGAATAAACTTGGTTGGGTTGTTGCTGGCTCTTAGGAGCATGTGCACGCCTAATCCATTT
TTAACCACCTGTGCACGTTGTGTAGATCTGAGATACTCGAGGCAACTCGGTTTGAGAATTGCTGTGCACATGCCAGCTT
TTCTTGTGATCAGGTCTATGTTTCCATAATACTCCATATGAATGTATTAGAATGTTTGTAATTGGCTTCAGTGCCTTTA
AAATCAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTG
AATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGA
GTGTCATGAAATTCTCAACCTTTCTGGCTTTTTTCAAAGCTTAAGTTGGGCTTGGATTTTGGAGGTTGCTGGTTTCTAA
CGAATCAGCTCTTCTTAAATGTATTAGCAATCCTTTGCTGACCATCATTGGTATGATAATTATCTATACCACTGATAAT
CGGTTTCCCTAGTGGAGAGGCTTTGCTTCTAATCGTCTTTTTGAGACAATTTGACAACTTTTGACCTCAAATCAGGTAG
G

Entolomataceae sp. 2 Molecular sample BH1178F. Root tips.
GATCATTATTGAATAAGACCTGGAACKGATGCTGGCTCTTCACTGAGCATGWGSTCSACTCCATCTATTTATCTTCTC
TCGAYGCASATCTCGTGGTCTTGAATTGAAACCTTTCGCAKACGGGCGGCCTTGGGAGCTTGAATRAACGCTGCTCCTG
CTTCTTTCCAAGGCCATGTTTTCATATACMCTATAMAGCTACARAATGWCTTTTARCGATTGCSCRRGCAGTCATTAAA
CCTATACAACTTTCAKCAACGGATCTCWTGGCTCKCCTATCGATGAAGAAMGCAACGAAATGCGATAAGTAATGTGAAG
TGCAGAATTCAAATGAATCATCATAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGACTGKTTGAG
TGTCATTRAATTATCAACCTTGCTCGCTTTTACTAKCTTGAGTTAGAGCTTGGATGTGAGGGCTTTGCTGGCTTCCTTC
AATGGATGGTCAGCTCCCTTTAAATGCATTAGTGGGATCTCTTGTGGACCGTCACTTGGTGTGATAATTATCTATACCT
CGAGACNTTGANGCANACTAATGGGAACCTGCTTATAACCGTCTWCNGACAATCNCTGACRTNNNGACCTCAAATcAgG
tAGG

Entolomataceae sp. 3 Molecular sample BH3365F. Root tips.
GATCATTATTGAATAMNATTGNGTACTGATGCTGGCTCTTCACTGAGCATGTGCTCGTTCCATCTATTTATCTTCTCTT
GTGCACATCTTGTGGTCTTGAATTGAAACCTTTCGCATTCGTGCGGTTTGGGAGCTTGAATAAACTCTGCTCCTGCTTC
TTTCCAAGGCCATGTTTTCATATACACTATAAAGTTACAGAATGTCTTTTAACGATTGCGCAAGCAGTCATTAAACCTA
TACAACTTTCAGCAACGGATCTCTTGGCTCTCCTATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCA
GAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTGTCAT
TAAATTATCAACCTTGCTCGCTTTTACTAGCTTGAGTTAGGCTTGGATGTGAGGGCTTTGCTGGCTTCCTTCAGTGGAT
GGTCAGCTCCCTTTAAATGCATTAGTGGGATCTCTTGTGGACCGTCACTTGGTGTGATAATTATCTATACCTCGAGACT
TTGAAGCAAACTAATGGGAACCTGCTTATAACCGTCTTCGGACAATCTCTGACATTTTGACCTCAAATCAGGTAGG

Entolomataceae sp. 4. Molecular sample BH3733F. Root tips.
GATCATTATTGAATACGATTGGTGCGGGTGCCGGCTCATCACAGAGCATGTGCTCGTTCCATGTACTTATCCTTTGGGG
CGCACATCTTGTGGTCACGAAGTGAAACACACACGCACCGTGCGGTTTGGGAGCTTGAATAAACTCTGCTCCTGGTTCT
TTCTCCCACCCATGTTTTCATTTACCATATAAAGTTACAGAACGTCTTTTAACGATTGCGCAAGCAGTCATTAAACCTA
TACAACTTTCAGCAAAAACACTGAAAATCTCCTATCGATGAAGACCGCAGGGAAATGCGAATAGTAATGGGAACACCAG
AATTCAGTGAATCATAAAATCTTGGAAAGCACCTTGCGCCATTGGGTAAAAGAAAGGGCATGCCTGTTTGAGGGTCATT
AAAGAATCTACCTTGCTCAGTTCCACTTCCTGGTATTCGGATTAGCAGGCTGGTCTTAGCTTCATCCGACGGGGGATGG
TCAGCTTCCATTTAATGCATTAGGGGGATGTCCCCCGGTCGGTCAAGCGGTGTGATAATTTGGCCCTCCGGGAAACCAA
GATGCAAAGTAATGCGAACCTGCTCATCACGCTCTTCCCCCCCAATCTGACAGATGACCTCAAATCAGGTAGG

Fungal sp. 1. Molecular sample BH1198F. Root tips.
GATCATTACCGANCTMATGCCCTTACRGGTAGATCTCCCACCCTATGTTATATTACCTTTGTTGCTTTGGCGGGCCGAC
AGGCTTCGGTCAGTCTACCGGCCCCGGCTGGTACGCGCCCGCCAGAGGACCCCAAACTCTGAATTTTAGTGTCGTCTGA
GTACTATCTAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAA
GTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGC
CTGTTCGAGCGTCATTACAACCCTCAAGCTCTGCTTGGTATTGGGCTCCGCGGCTTACCCCGCGGGCCTTAAAATCAGT
GGCGGCGTCTTCAGGCTCTGAACGTAGTAAATATTCCTCGTTACAGAGTCCTGGCGGCGGTAGTCATCAACCCCCCAAC
TTTCTAAGTTTGACCTCGGATCAGGTAGGGATACCCGCTGAACTTAAGCATATCAATAAGCGGAGG

Fungal sp. 2. Molecular sample BH3676R. Root tips.
GATCATTACAGAAAAAACTTGATGGGGTGAAGCTGGCTTTTTTTGGAGCATGTGCACGCCAGTTAAGGGTGTCTTTACAC
CTGTGCACCGTTAGTAGTCTCGGTCATTTAGAGGATCTAAAAGTCGTAGCAGGATCTCCGTAGGTGACCCTGTGGAGGGA
GCATAACAGGTTTAATGCCCATACGGGTAGATGTCCCACCCTATGTTATATCAACCCTTGAATAGGCAAGCCTGTGGATT
CCGGGGGCCCTTTCTCTCGGTCGTAATCTCCCGCCAGAGGCTCCCAAACCAAAACTCTCAGTGTCGTTTGAGTACTATAT
AATAGTTAAAACTTTCAACAACGGATCTGTATGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAAAATGAA
TTGCAGAATTCAGAGAATCATCGTATCTTTGAACGCACATTGCGCCCCTTGGTATTGCGAGGGGCATGCCTGTTCGAGCG
CCAGCCAACCCTCAACCATAGCTTGGTGTTGGGCAGGGGGATAACCCGGCGGGCCCCATAAACAGAGGCGGTGCTCCCGA
GTGCCTGAGCGTAGTAAACTTTTCTCNCCNTGGAGTCCCGGTGGTTTCTAGCCATCAACGGGCAATTTTGCAAGTTGACN
CCAATATCTTGTATA

Fungal sp. 3. Molecular sample BH3140F. Root tips.
GATCATTAACAGAGTTCCTGCCCTCACGGGTAGAAACCCCCACCCTTGCGTATTGTATACTTGTTGCTTTGGCGGGCCG
CCTATATAGGCTCTCTTTACCGGCTTCGGCTGGGCCGCGCCCGCCAGAGGACCCTAAATTCTTATATTTAAGTGAAGTC
TGAGTACTATCTAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGA
TAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATATTGCGCCCCTTGGTATTCCGAGGGGCA
TGCCTGTTCGAGCGTCATTATCGACCATCCAGCACGGCTGGGTCTTGGGCGCCGCCCCCTGGGGCGGGCCTTAAAATTC
GTGGCGGCGCCGCTAGGCCCTGAGCGTAGTAAATACCCTCGCTACGGGAGCCTAACGGACGCTAGCCAGCAACCCCTCA
TTTAATCAGGTTGACCTCGGATCAGGTAGG

Fungal sp. 4. Molecular sample BH3623R. Root tips.
GATCATTACAGAGTTCATGCCCTTACGGGTAGATCTCCCACCCTATGTTATCACTACCTTTGTTGCTTTGGCGGGCCGCC
AGGCCTTGGTCAGGCTACCGGCTTCGGCTGGTAAGCGCCCGCCAGAGGACCCCAAACTCTGAATGTTAGTGTCGTCTGAG
TACTATAAAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGT
AATGTGAATTGCAGAATTTAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGCCTG
TTCGAGCGTCATTACAACCCTCAAGCAATGCTTGGTATTGGGCTTCGCCGCTCACGTAGCGGGCCTTAAAATCAGTGGCG
GTGCCGTCGGGCTCCTGAGCGCAGTAAATATCCTCGCTACAGGGACTCGGTGGACGCTCCCCTCACCCCCCCCGATTTCA
TACATGACATC

Fungal sp. 5. Molecular sample BH3192F. Root tips.
GATCATTAATGTAACYGGACCGGTCCTTTGCCGTCAAACGCAACGGATTGGAAAGGGAGATATCATACACCCTATATTT
ATTTACCTTTGTTGCTTTGGTGGGCCGTCTTTTTAGGCGTCGGCTCCGGTTGATCGCGCCCCCCAGAGGACCCAAACTC
TTTTATCAGCGATGTSTGAGTATTATATAATAGTTAAAACTTTCAACAACGGATCTSTTGGTTSTGGCATMGAWGAAGA
ACGCAGMGAAATGCGATAARTAATGTGAATTGCAGAATTCAGTGAATCATMGAATCTTTGAACGCACATTGCCCYCGST
GGTATTCCGGCGGGCATGCCTGTTCGAGCGTCATTATGMCCAATCAAGCTCTGSTTGGTSKTGGGGTCTGYTGTACCGG
CGGCCCTTAAAATCAGTAGCGGTGCYGTCTGGCTCTAAGYGTAGTAATATCTCTCKCTATAGAGTGGAGKCGTT

Fungal sp. 6. Molecular sample BH1255R. Root tips.
GATCATTAACAAAGTTCCTGCCCTCACGGGTAGAAACCCCCACCCTTGCGTATTGTATACTTGTTGCTTCGGCGGGCCGC
CTATATAGGCTCTCTTTACCGGCTTCGGCTGGGCCGCGCCCGCCAGAGGACCCTAAATTTTTATATTTAAGTGAAGTCTG
AGTACTATCTAATAGTTAAAACTTTCAACAACGGATCTCTAGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAA
GTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATATTGCGCCCCTTGGTATTCCGAGGGGCATGCC
TGTTCGAGCGTCATTATCGACCATCCAGCACGGCTGGGTCTTGGGCACCGCCCCCTGGGGCGGGCCTTAAATTTCGTGGA
GGCGCCTCTAGACCCTGTAGGGGATAACACCCTCCCCACAGGAACCTAAAAAAAGCTAACCTCATCACGTCATTTAATCA
GCGCGACATCTATATCATCTAA

Fungal sp. 7. Molecular sample BH3639R. Root tips.
GATCATTACCGAGTTCATGCCCTCACGGGTAGATCTCCCACCCTTTGTCATTATTACCTTTGTTGCTTTGGCGGGCCGTC
AGGCTTCGGTCAGGCTACCGGCTCCGGCTAGTAAGCGCCCGCCAGGGGACCTAAAACTCTGAATATCAGTGTCGTCTGAG
TACTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCGTGGTATTCCGCGGGGCATGCCTG
TTCGAGCGTCATTACAACCCTCAAGCGTAGCTTGGTATTGGGCTCCGCTGGTTCCAGCGGGCCTTAAAATCAGTGGCGGC
GCCCTCAGGCTCTGAGCGTAGTAAATATTCCTCGCTACAGAGTCCTGGGCGGCGGTGCGCCCTCAACCCCCCAACTTTCT
AAGTTGACCTCAGGATCATGT

Helotiales sp. 1. Molecular sample BH1213F. Root tips.
GATCATTACCGARTTMTTGCSCAGAAGGGTAGATCTCCCACCCTTTGTWAATATACGKTTGTGTGCTTTGGCRAGSCTG
ATAGGYCTTGGTCTAGCCACCGGCTTTTGCTGGTGAGTGCTTGCCAGAKAACCCCAAAAMTCTGAATGTTAGTATTGYC

TAAGCACTATATAAATAGTTAAAACTTTCRACAACGGATCTCTTGGTTCTGGCATCSATGAAGAACGCAGCGAAATGMG
ATAAGGAATGTGAATTGCAKAATTMASTGAATCATCKAATCTTTGAACGCACATTGSGCTCCTTGGTATTCCGAGGAGC
ATGCCTGTTCGAGCGTCATTACAACCCTCAAGCTATGCTTGGTATTGGGCCTCAKCGGGAACGATGTGCCTTAAAGAGA
GTGGCGGCACTGCTTGGCTCTAAGCGTANTAAACTTCTCGCTATAKATGCTCGGGAGCTGCCTGCCATAACCCCAAATT
TTCTTAGGTTGACCTCGGATCAKGTAGGGATACCCGCTGAACTTAARCATATCAATRAGCCGGAGGAATGGCTCTGTCA
CTTTTGGGACCTGCTTCTAACCGTCTGGACCTTTGCGTTGAGACAATGTTTGAGCGTGTGCCTCCCTTCTCGGGAAGCT
CCCTCGACCCCACGACCCCTTGACCTCAAATCGGGNGAGACTAC

Helotiales sp. 2. Molecular sample BH3151R. Root tips.
GATCATTAAAATATCGGGTCCTCTYTGAAGAYRTCTGAAACCNNTGAATATACAAWSTTTGTTGCTTGGGCGGTCCACC
MTTSGGCGTTGGCCACGGCTAACAGTGCMTVCCAGARGWCCAAAACTCWTTTGWTTATTAANGTCTSAGTACTATATAA
TAGTTAAMRCTTTCMACAHCGGWTCTAKTGGTTCTGGCAYCGNATGMAGAMCGCAGCGAAATGCGATAMRTAAYGTGAA
TTGCAGAATTCAGHGAATCATSGAATCTTTGAMCGCRCAKTCCACCCCTTGNTATTCMGAGGGGCATGCTTGTTCGAGC
GTCATYATGACCAATSCCRCAAGGGGTCGTGGGGCTSGCCATCCCBSCGTCCCTTAAAATACMGTGGYGGTSCCCTCGT
GCTCTAAGGGTAGWAAYTCTTCTCGCTATAGGGCCTCGGGGWNTCTTGCCC

Helotiales sp. 3. Molecular sample BH3268F. Root tips.
GGTAATCTCCCACCCATGTTTACACACTCTGTTGCTTTGGCAGGCCTGCCCTCGGGCTACCGGCCTCGGCTGGTCCGCG
CCTGCCAGAGGGTCCCAAACTCGTATTCTGTATCGTCTGAGCACAACGCAATAGTTAAAACTTTCAACAACGGATCTCT
TGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTT
TGAACGCACATTGCGCCCTCTGGTATTCCGGGGGGCATGCCTGTTCGAGCGTCATTACAACCCTCAGGCTCTGCTTGGT
GTTGGGCGTCGCCTTCAGTGGCGCGCCTCAAAGTCAGTGGCGGTGCCGTTCGGCTCCAAGCGTAGTAACTCTTCTCGCT
TCTGGGGCTCGGGCGCGCGCCTGCCAGCAACCCACACTACTCAAAGGTTGACCTCGGATCAGGTAGG

Helotiales sp. 4. Molecular sample BH3694R. Root tips.
GATCATTACAGAGTTCATGCCCTTACGGGTAGATCTCCCACCCTATGTTATCATTACCTTTGTTGCTTTGGCGGGCCGTC
AGGCCTTGGTCAGGCTACCGGCTCCGGCTGGTAAGCGCCCGCCAGAGGACCCCCAAACTCTGAATGTTAGTGTCGTCTGA
GTACTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAG
TAATGTGAATTGCAGAATTTAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGCCT
GTTCGAGCGTCATTACAACCCTCAAGCATTGCTTGGTATTGGGCTCCGCTGCTCACCCAGCGGGCCTTAAAATCAGTGGC
GGTGCCGTCGGGCCCTGAGCGTAGTAAATATCCTCGCTATAGGGACTCGGCGGACTGCTAGCCATTACCTCCGCCCACTT
TGATAAGTTGACCTCAGATCATGTA

Helotiales sp. 5. Molecular sample BH3592R. Root tips.
GATCATTACCGAGTTCATGCCCTCACGCGTAGATCTCCCACCCTTGGTCATTATTACCTTTGTTGCTTTGGGGGCCGTCA
GGCTTCGGTCAGGCTACCGGCTCCGGCTAGTAAGCGCCCCCCAGGGGACCTAAAACTATGAATATCAGTGTGTTTTGAGT
ACTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGTTTTTGGCATCGATGAAGAACGCACCGAAATGCGATAAGTA
ATGTGAATTGCGGAAATCAGTGAATCTTCGAATCTTTGAACGCACATTGTGCCCCGTGGTATTTTTCGGGGCACACCCCT
TCTAGCGTGTTTTCACCCCTCACAAGTAGCGCGGTGTAGGGGTCCGCTGGTTCCAGCGGGCCTTAAAATCAGAGACGGCG
CCCTCAGGCTCTGAGCGAAGTAATTACAGGGCTCAACAAAAAACTGAAGAAGTGTCTTCTCATTCCCGGCCGCNTCAAAC
ATGACATCAAGTGTT

Helotiales sp. 7. Molecular sample BH3593R. Root tips.
GAtcAtTaCAGAGACTCTTCCCTTTGTTAACATCCCACCATGTGTCTGACACCTTTAACATTGGGCGGGCCGCGGGGCTCAG
GCCCTGCCACTGGCTCCGAATAGAGCGCGCCCGCCAAAGGCACCCTCAAACCTGAATTTCAGTGTCGTCTGAGTACTATACA
ATAGTTAAAACTTTCAACAACGGATCTCTTGGCTTTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGTATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGGGGGGCATGCCTGTTCGAGCGTCATT
ACAACCCTCAAGCTCTGCTTGGTGTTGGGCTTCACCGGTCCCCGTTGTGACCTAAAATCAGTGGCGGCGCCACCGGGAGCTA
CGGGTGGAACATCAGCGGTATATAAGAAACCGGTGAAGTCTCCCTATCATCCCCGGCAATCTTAAC

Helotiales sp. 8. Molecular sample BH3615R. Root tips.
GATCATTAACACAGTTCCTACCCTCACGGGTAGAAACCCCCACCCTAGAGTCTTGTATACGTGTTGCTTGGGCGGGGCC
GCCTAGATAGGGCTCTCGTTCCCGGCTTCGGCTGGGCCGCGCCCGCCAGAGGACCCTATATTCTTATATTTAAGTGAAG
TTTGAGTACTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGC
GATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATATTGCGCCCCTTGGTATTCCGAGGGG
CATGCCTGTTCGAGCGTCATTATCGACCATCCAKCACGGGTGGGTCTTGGGCGCCGCCCCCTGGGGCGGGCCTTAAAAT
TCGTGGCGGCGCCACTAGGCCCTGAGCGTAGTAAATACCCTCGCTACGGGAGCCTGACGGACGCTCGCCTGTTCCCGGT
CATTTAATCAGGT

Helotiales sp. 9. Molecular sample BH3767R. Root tips.
GATCATTACAGAGTTCATGCCCTAACGGGTAGATCTCCCACCCTATGTTATTATCACTTTGTTGCTTTGGCGGGCCGTC
AGGCTTCGGCTTGGCTACCGGCTCTGGCTGGTAAGCGCCCGCCAGAGGACCCCAAACCATGAATATCAGTGTTGTCTGA
GTACTATATAATAGTTAAAACTTTCAACAACGGATCTTTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAA
GTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATCC
CTGTTCGAGCGTCATTACAACCCTCAAGCATAGTTTGGTCTTGGGCACCGCCGCTAACCCGGCGGGCCTTAAAATCAGG
GGCGGGGCCGTTGAGGCCCTGAGCGTAGTAAACATCCTCGCTATAGGGACCCGGTGGACACTAGCCATCAACCCCAACT
TTTCAAGTTGACCTCGGATCATG

Helotiales sp. 10. Molecular sample BH3202F. Root tips.
GATCATTACAGAGTTCATGCCCTAACGGGTAGATCTCCCACCCTATGTTATTATCACTTTGTTGCTTTGGCGGGCCGTC
AGGCTTCGGCTTGGCTACCGGCTCTCGCTGGTAAGCGCCCGCCAGAGGACCCCAAACCCTGAATATCAGTGTCGTCTGA
GTACTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAA
GTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGC
CTGTTCGAGCGTCATTACAACCCTCAAGCATAGCTTGGTCTTGGGCACCGCTGCTAACCCGGCGGGCCTTAAAATCAGT
GGCGGTGCCGTCGAGGCCCTGAGCGTAGTAAACATCCTCGCTATAGGGACCCGGTGGACGCTAGCCATCAACCCCAACT
TTTCAAGTTTGACCTCGGATCANGTAGG

Helotiales sp. 11. Molecular sample BH3093F. Root tips.
GATCATTACAGAGTTCATGCCCTAACGGGTAGATCTCCCACCCTATGTTATTATCACTTTGTTGCTTTGGCGGGCCGTC
AGGCTTCGGCTTGGCTACCGGCTCTCGCTGGTAAGCGCCCGCCAGAGGACCCCAAACCCTGAATATCAGTGTCGTCTGA
GTACTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAA
GTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCGAGGGGCATGC
CTGTTCGAGCGTCATTACAACCCTCAAGCATAGCTTGGTCTTGGGCACCGCTGCTAACCCGGCGGGCCTTAAAATCAGT
GGCGGTGCCGTCGAGGCCCTGAGCGTAGTAAACATCCTCGCTATAGGGACCCGGTGGACGCTAGCCATCAACCCCAACT
TTTCAAGTTTGACCTCGGATCAGGTAGG

Hydnum sp. 1. Molecular sample BH2066F. Sporocarp specimen voucher=T836.
GATCATTAATGGGATTACAGGGGGGGTTGATGCTGGCAGCCTGGCTGCAATGTGCTCACTCTTCTGATTTATTTCACAC
ATGTGCACTTGGTTTTCTCAAAGGCAGTGCCTTTGGAAATTAATTATAAAAACTCTCTTTGTACTTTTGGATGCTTGTC
TGCCGCAAGGCAAAATATTATAACAACTTTTAACAATGGATCTCTTGGCTCTTGCATCGATGAAGAACGCAGCGAAATG
CGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCTCTGGTATTCCGGGGA
GCACATCTGTTCGAGTGTCATTGAAACTCTCAAATAAAGGTGGCTGTAGCAGCGATCTCTGTTTGGATTTGGACTTTTT
GCTGCATTTATGTGGCTAGTCTTAAATATATTAGCTGGTCCTCATTGGGCTCTTGGTTCTACTCGGCGTGATAATTATC
TAGCGTTGAGGACAGTCTTTTTAGGATTGGCCATGGCCTGTGTGTTGGATTGCTTCTGAATTTTATATATTAAGAAGTG
TTTAGGAGCTGTTGACGAACGGCTGTCTAAGAACTGTCTAATTGTCTAATTTCTGACCTCGGATCAGGTGGG

Hydnum aff. *umbilicatum*. Molecular sample BH1722F. Sporocarp specimen voucher=T662.
GATCATTAGTGGGTTTTTACAGAGGGTTGATGCTGTGGTAGACATGTGCTCACTCTTCTGATTTATTTGACACCTGTGC
ACTAAATTCTCCAAAGACTTTTTTATTTTTTTAATGGCCTTTGGGGACTTATAAACTCCCACTCAGACAATGGATGTTT
TCGAATTCTATAATACAACTTTTAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCTCTGGTATTCCGGGGAGCACATCT
GTTCGAGTGTCATTAAAATTCTCAAATAGGGGTCTCTCTGTTTGGATTTGGACTTTTGCTGCATTAATGTGGCTAGTCT
CAAATATATTAGCTGATCCTCATAGAGGTTGTTGGTTCTACTCAGCGTGATAATTGTCTAATAACGTTGAGGACAGTCT
CTGAAAATTGGTCATTCTCAGAAGCTGGCCAAATAGCTCTCTCTGGATTGCTTCCAAATTGTCTTGAGGGCAATTGCTT
AATTTCTGACCTCGAATCAGGTGGG

Hysterangiales sp. 1. Molecular sample BH1522R. Sporocarp specimen voucher=T565.
GATCATTACTRATACGTGTTAKGGGGYWCGWTGYTGGTCTTCTAGCACGCCTGTGTCGYGCCATGNACATTGTCGGTCT
TCKCACAYCTGTWGGCACCTAGCGAACGTCTCCCATTAGGAGCCSCCCCATGTMTTTAGGGGTCGAGGCGTTCACTCTA
TCACTACACATCAATGCCTGTACCAACTGATGTCTTACTGAGCTCCGCGGAGCACAAACATAATACAACTTTCAACAAC
GGATCTCTTGGCTTTCGCATCGATGAAGAACGCCGCGAAAGTGCGAAACGTAATGTGAATTGCATAATTCAGTGAATCA
TCGAATCTTTGAACGCATCTTGCGCTCCTCGGAATTCCGAGGAGCATGCCTGTTTGAGTGTCGTGAAGTCTCTCAACAC
CCATGGCCTTTGAGCCTCTGGGGTTGGATTTGGATGTTGCCGTCTTGACGGACGGCTCGTCTCGAAATGCATCAGCTGG
TCCGCCTCGGTTCTATCGACAACGGTGTGATAAGACATGGCTCTCGTCGCCGTCGTAGACTCCAGTGTGGCAGCTTACA
ATCGTCCTCGCGGACRACGTTTACATTCGGACCTCAAATCAGGTAGG

Hysterangiales sp. 2. Molecular sample BH3571R. Sporocarp specimen voucher=T1290.
GATCCATTACAGACCTTTCGAGGGGGTTCGATAAAGGATTCTGGCCGGCGCCCGCGGCAGGTTCTCGCCCCTCTTTTCA
TTACACCTGTGCACCTAGTGGAATGCCTCTCGGGGCGTCTCTCTCTTCTACATCGTCGATGCCTGTTATAAACGCATGT
CTCAGTTGAGCTCCACGGAGCGTCATTAATACAACTTTCAACAACGGATCTCTTGGCTTTGGCATCGATGAAGAACGCC
GCGAAAGCGCGAAACGTAATGTGAATTGCAGAATTCAGTGAATCATGGAATCTTTGAACGCATCTTGCGCCCCTCGGTC
ATTCCGAGGAGCATGCCTGTTTGAGTGTCGTTAAACACCCTCGGCCGTCCTTTCTGTATGTAAGGTGGCTGGACTTGGA
CGCTGCTGTTCCGTAAGGGACGGCTCGTCTCGAAATGTATTAGCCGCTCCGCCTCGGTCCTATGGACGACGATGTGATA
ATCGTAGATGTTCGTCGTCGTCGTCGTGGGACCGCCGTAGGGGTGGGTGGCTTACAATCGTCCCTCTC

Inocybaceae sp. 1. Molecular sample BH1555F. Sporocarp specimen voucher=T526.
GATCATTATTGAAATGAACTTATGATGAGCTGTTTTGCTGGCTCCCTCCTGGGGAGCAAAATGTGCACGCTTATCATTT
ATTCCTCCAATTTCTCCTGTGCACCCTCTGCATAGATCTGTGTTTAGAATCGCTGAGGCCAAAGTGTCTTAGCCATTCT
TGATTAATTTCCCTGGATTCCTATGCCTTTCTTAAATTGCTCCAATAGTGAGAATGTATATTTGTGTGTAACAAAATGT
CATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATTTTTGAACGCATCTTGTGCTCCTTGGTATTCTGAGGAGCATACCTGTTTGAGTGTC
ATTTTTTGCATTGTCAAATCCTATGCCTTGTTTGAGGTGTAGCTTTTGGGATGATGGGAGGTGCTTGTGCTGGCGGGGT
TCTCCTTAAGTCAGCTCTCCTGAAATGGATTTCATTAACGAAGGGGTTGTCTTGAATTGAATTG

Inocybe sp. 1. Molecular sample BH3262F. Root tips.
GATCATTATTGAATAAACTTGAGCAGGCTGTTGCTGGTCTCTATGGAGGCATTGTGCACGCTTGTCATCTTTATTTCTC
CCCACTGTGCACACATTGTAGACCTGGAGTTTTGATTTGTTCGATTGAGGACTGCTGTGCTCTCCTTGCATTTTCAGGT
CTATGTTACTTTTTTCACAATCTCTTGATGTGTTAAGAATGTTGAATTAGGTCATTTGTTACCTATAAAAGTTATATAC
AACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAA
TTCAGTGAATCATCGAATCTTTGAACGCATCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTTA
AGTTCTCAACTATACCGGTTGTACATATAATTGGTGTGGCTTGGATATTGGGGGTTCACATTTTGCAGGCCTCAAAAAA
ATGAGGTCTGCTCCCCTGAAATGTATCAGTAGTATCTGAGCAGAGACTACCACAGGTGTGATAATTATCTATGCCTTGG
TGGACTTGCATAAACAAGGATCATACTGCTTCTAACAAGTGAAGGATTCTCTCCTCACCTTTGACAAATTTGACCTCAA
ATCAGGTAGG

Inocybe sp. 2. Molecular sample BH3039R. Root tips.
GATCATTCATTGAAATAAACTTGAGCCAGGCTGTTGCTGGCCCTCTCCTGTGGGGGGGTATTGTGCACGCTTGCCATATT
TATTTCTCCAACTGTGCACACATTGTAGGCCTGGAGTTTTTGAATTCCATTCAGATTGGGGACTGCTGTGCCTTTAGGCC
AGCTTTGCCTCGCAGGTCTATGTTTTTTTCTACAAACCCTAAACCTGTTTAGAATGTTGAATCAGGTCATTTGTACCTAT
AAAGTTAAATATACAACTTTCAGCAACGGATCTCTTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTT
TGAGTGTCATTAAGTTCTCAACCACACTGATTTTGTATCAATGTGGCTTGGATATGGGGGTTGTAATTTTGCAGGCTTTA
GAAAATGAAGTCAGCTCCCCTGAAATGTATTAGTAGTATCTGGGTGGAAAACTACAGGTGTGATAATTTCTTGCCTGGGG
AGCCCTCCATTACCGTTCACTCTTTTCCACTCTTGGTCTTCAACATTACTCAGTCT

Inocybe sp. 5. Molecular sample BH3395F. Sporocarp specimen voucher=T1134.
GATCATTATTGAATAAACTTGAACAGGTTGTTGCTGGCCCTCCAACTGGGGTGGTATGTGCACGCTTGTCATCTTTATC
CCTCCAACTGTGCACATATTGTAGGACCTGGAGAAAAAAAAATTGTACTCGTACAAATTGGGGACTGCTGTGCTTTCAAA
CCAAAAGTCGGCTTTTCCTTGTAATTTATCCAGGCCTATGTTATTTTCATAACCTCTGAACATGTTTAGAATGTTGAAT
CAGGTCGTTTGTACCTATAAAGTTATAATATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGC
AGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTA
TTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAACTACACTAAGTTTTCTATAGTGTGGCTTGGATATGGGG
GTTTTTCTATTTGCAGGCTTTAGAAATGAGGCCTGCTCCCCTGAAATATATTAGTGGTATCTGAGCAGAAACTACTACA
GGTGTGATAATTATCTATGCCTTGGTGTACTGCATTGAACAGATTGTACTGCTTCAAAACGGGCCTAAGTTGTTGGGCA
CATTTGATAAATTTGACCTCAAATCAGGTAGG

Inocybe sp. 6. Molecular sample BH3581F. Sporocarp specimen-voucher=T1300.
GATCATTATTGAATAAACTTGAACAGGCTGCTGCTGGCCCCCTTGGGTGCATGTGCACGCTTGTCATATTTATCTCTCC
TGCTGTGCACATATTGTAGACCTGGAGTTTGATTATTTGACTATAGATTGAGAATTGCTGTGCTTTCATGAGTCAGCTT
TGTCTTGCATTTCCCAGGTTTATGTTTGTTTTCACAATCTCTGATTAATGTTGGAATGTACCTATAAAAGTTATATATA
TATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCATCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTC
ATTAAGTTCTCAACCACACTGATCTTTCAGTGTGGCCTTGGATATGGGGGTTTTGCAGGCTTCTGAAAATGAAGTCGGC
TCCCCTGAAATGCATTAGTGGTATCTGAGCAGAGACTACTACAGGTGTGATAATTATCTATGCCTTCAAGTATACTGCA

TGAAACAGATTGCACTGCTTCTAACATGTTTGACAAATTGACCTCAAATCANGTAG

Laccaria sp. 1. Molecular sample BH3088F. Root tips.
GATCATTATTGAATAAACCTGATGTGGTTGTAGCTGGCTTTTCGAAGCATGTGCTCACCCGTCATCTTTATCTCTCCAC
CTGTGCACCTTTTGTAGTCTTGGATACCTCTCGAGGCAACTCGGATTTGGGATCGCTGTGCTGTACAAGTCGGCTTTCC
TTGCATTTCCAAGACTATGTTTTTATATACRCCAAAGAATGTTTAAAGAATGTCATCAATAGGAACTCGTGTCCTATAAA
AACTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGT
GTCATTAAATTCTCAACCTGCCAGCTTTTTATTAGCTTGGTTTAGGCTTGGATGTGGGGGTTGCGGGCTTCATGACGAG
GTCGGCTCTCCTTAAATGCATTAGCGGAACTTTTGTGGACCGTCTATTGGTGTGATAATTATCTACGCCGTGGATGCGA
AGCAGCTTTTATAAAGTTCAGCTTCTAACCGTCCATTGACTTGGACAAATTTTGACAATTTGACCTCAAATCAGGTAGG

Laccaria sp. 2. Molecular sample BH3057F. Root tips.
GATCATTATTGAATAAACCTGATGTGGTTGTAGCTGGCTTTTCGAAGTATGTGCTCACCCGTCATCTTTATATCTCCAC
CTGTGCACCTTTTGTAGTCTTGGATACCTCTCGAGGAAACTCGGATTTGGGATCGCTGAGTCAGCTTTCCTTGCATTTC
CAAGACTATGTTTTTATATACACCAAAGAATGTTTAAAGAATGTCATCAATGGGAACTCGTTTCCTATAAAAACTATAC
AACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAA
TTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAA
ATTCTCAACCTTCCAGCTTTTATTAGCTTGGTTAGGCTTGGATGTGGGGGTTGCAGGCTTCATTACTGAGGTCGGCTCT
CCTTAAATACATTAGCGGAACTTTTGTGAACCGTCTATTGGTGTGATAATTATCTACGCCGTGGATGTGAAGCAGCTNT
TATGAGGGTCAGCTTCTAACCGTCCATTGACTTGGGACAAAATTTTGACAATTTGAACCTCAAAATCANGTAGG

Laccaria sp. 3. Molecular sample BH2013R. Sporocarp specimen voucher=T758.
GATCATTATGGATAAACCCTGATGTGGTGGTAGTGGGTTTCCGGAACCAAGTGTTCGCCCTTCTTTTTTATTTTTCCCC
CTGTCCCCCTTTTGTATTCTTTGGATTTTTTTGGAGGAAATTGGGATTGGGGATTGCCGTTTCGGCTTTCCTTCCATTT
CCAAGATTATGTTTTCATATACACCAAAGAATGTTTAAAGAATGTCATCAATGGGAACTTGTTTCCTATAAAACTATAC
AACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAA
TTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAA
ATTCTCAACCTTCCAGCTTTTTATTAGCTTGGTTAGGCTTGGATGTGGGGGTTGCAGGCTTTGTTATGAGGTCAGCTCT
CCTTAAATGCATTAGCGGAACTTTTGTGGACCGTCTATTGGTGTGATAATTATCTACGCTGTGGATGTGAAGCAGCTTT
ATGAGGTTCAGCTTCTAACCGTCCATTGACTTGGACAGTTTTGACAATTGACCTCAAATCATGTAG

Laccaria sp. 4. Molecular sample BH2027R. Sporocarp specimen voucher=T757.
GATCATTATGGATTAACCTTGATGTGGTGGTAGCTGGCTTTCCGAACCATGTGTTCCCCCTTCTTCTTATTCTTTCCAC
CGGTGCCCCTTTGGTATTCTGGGATACCTCTGGAGGAAATTGGGATTTGGGATTGCTGTGCTGTAAAAGTCGGCTCTCC
TTGCATTTCCAAGACTATGTTTTTATATACACCAAAGAATGTTTAAAGAATGTCATCAATAGGAACTTGCTTCCTATAA
AAACTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAG
TGTCATTAAATTCTCAACCTTCCAGCTTTTATTAGCTTGGTTAGGCTTGGATGTGGGGGTTGCGGGCTTCACTTATGAG
GTCGGCTCTCCTTAAATGCATTAGCGGAACTTTTGTGGACCGTCTATTGGTGTGATAATTATCTACGCCGTGGATGTGA
AGCAGCTCTATGAAGTTCAGCTTCTAACCGTCCATTGACTTGGACAACTTTGACAATTGACCTCAAATCATGTA

Laccaria sp. 5. Molecular sample BH1537R. Sporocarp specimen voucher=T550.
GATCATTATTGAATAAATCTGATGTGGTTGTAGCTGGCTTTTCGAAGCATGTGCTCGCTCGTCATCTTTATCTCTCCAC
CTGTGCACCTTTTGTAGTCTTGGATACCTCTCGAGGAAACTCGGATTTGGGATCGCTGTGCTGTAAAAGTCGGCTTTCC
TTGCATTTCCAAGACTATGTTTTTATATACACCAAAGAATGTTTAAAGAATGTCATCAATGGGAACTTGTTTCCTATAA
AAACTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAG
TGTCATTAAATTCTCAACCTTCCAGCTTTTATTAGCTTGGTTAGGCTTGGATGTGGGGGTTGCGGGCTTCAATTTAAGA
AGTCGGCTCTCCTTAAATGCATTAGCGGAACTTTTGTGGACCGTCTATTGGTGTGATAATTATCTACGCCGTGGATGTG
AAGCAGCTTTATGAAGTTCAGCTTCTAACCGTCCATTGACTTGGACAACTTTGACAATTGACCTCAAATCAGGTA

Lactarius sp. 1. Molecular sample BH3564R Sporocarp specimen voucher=T1282.
GATCATTATCGTAACAAAAATGTGATGGGCACACAAGGGCTGTCGCTGACTCAAAAGGTCGTGCACGCCCGGGTGTTGT
CCCCTCACATAACAATCCATTTCACCCTCTGTGCATCACCGCGTGGGTTCCCTTCTCGGAGGGGGCTCGCGTTTTCACA
CACAAACCCCCCTTTTAAAAGTGTAGAATGACCTCATGTATGCGTTGACCCGCAATCAATACAACTTTCAACAACGGAT
CTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAA
TCTTTGAACGCACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAAAACCTCAACCTCCTTGG

TTTCTTCTGGAGACCAAAGCAGGCTTGGACTTTGGAGGCCTTTGCTGGCACCTCTCTTTTTGAAGGCCAGCTCCTCTTA
AACAAATTAGCAGGGTCCTCTTTGCTGATCCTCGACGTGTGATAAGATGTTTCCATGTCTTGGTTTCTGGCTCTGTCAC
TTTTGGGACCTGCTTCTAACCGTCTGGACCTTTGCGTTGAGACAATGTTTGAGCGTGTGCCTCCCTTCTCGGGAAGCTC
CCTCGACCCCACGACCCC

Lycoperdon sp. 1. Molecular sample BH3537R. Sporocarp specimen voucher=T1255.
GATCATTATGAATATGCTGATAGGTTGTAGCTGGCTCTTCGGAGTATGTGCACGCTTATCTTGACTTATATCATCCCAC
CTGGTGCACCTTTGGTAGTCTGGGGGGTTGAGATCGGTCGACTATCGGAGTCAATCCGGATGTGAGGAATGCTGAGTG
CGAAAGCATACAGCTCTTCTCAAATGACTTGTCTTCCTCGAGTACTATGTATTCATATACCACATAGTATGTTGTAGAATGT
GATCAATGGGTCTATGTACCTATAATAATCATATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAAC
GCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGT
ATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAACCCCTCCAGTTGTGATGGGGCTTGGATATGGGGGCTTG
CGGGTCTTTACTGATGTAAAGGTCAGCTCTCCTGAAATACATTAGCGGAACCGTTTGCAGTCCCCGTCACTAGTGTGATA
ATTATCTACGCTGTGATGGATTGCTCTCTGACTAGTTCAGCTGCTAATCGTCCGTTATGGACAATGTTTAATGAACTTCT
GACCTCAAATCAGGTAGA

Mucoromycete sp. 1. Molecular sample BH3109R. Root tips.
GCTTAATACCAACCTTTTATTGAAACAATTTTGTCTGAAGATATTTTGAATAAATAATTCTAAATACAACTTTCAACAA
CGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCA
TCGAATCTTTGAACGCACATTGCACTCTCTGGTATTCCGGAGAGTATGCTTGTTTGAGTATCTGTAAACATCTCAAATC
TCTCTGCGCTTGCGCAAAAGAGAATTGGATTTGAGCGATCCCGACTCCTTCNNCAGAAAGAGGAGGGTCGCTTGAAATG
CANGTGCANCTGGACATTCTTCTGAGCTAAAAGCATATCTATTTAGTCCCGTCAAACGGATTATTACTTTTGCTTCAGC
TAATATAAAGGTCNAATGAACTACCAACGCTGATTGNANGANAACTCGNNCTTAACCGAACTTGTAAACTCGAT

Oidiodendron sp. 1. Molecular sample BH3194R. Root tips.
GATCATTACNGANTNGTCAACACGAGTTGTTGNNNGTCNNNANCTTCTNTNTNGGTCATNNAGAGGAAGTAAAAGTMGT
AACAAGGTCTCSGTAGGTGAACSTGCGGAGGGATCATTACAGAGTTCTCGCCCTCGCGGGTAGATCTCCCACCCACWGT
TATCGTTACTATCGTTGCTTNGGCGGNCCGCCGGGTCTTGCCCGGCCCCCGGCTTCGGTTGGGGCGTGCCTGTCAGAGG
CCCTACAAACTATGAATGTTAGTGTCGTMKGAGTAYTATATAATAGTTAAAACTTTCAACAACGGATCTCTTGGTTSKG
GCATMGATGAAGAACGCAGMGAAATGCGATAAGTAATGMGAATTGCAGAATTCAGWGAGTCATMGAATCTTTGAACGCA
CATTGCKCCCTGTGGTATTCMGCAGGGCAYGCCTGTTCGAGYGTCATTTCAACCNTCAAGCACTGCTTGGTGTTGGGCC
CTGCCCGTTASGGCCGGCCCTAAARCCAGTGGCGGCKCCGTSTGGCTATAAGCGTAGWACATCCCTCGATCTAGAGTCG
GG

Peniophorella sp. 1. Molecular sample BH1677F Sporocarp specimen voucher=T743.
GATCATTAACGAGTTWTGAAGTGGGTCTGATGCTGGCCTTCCCAGGCATGTGCTCGTCCTACTCTTCATCCACTCACAC
CTGTGCACCTATAAACGTTGGAAGATTCATCCCCTAGACTCTTAGGGGTGCTGTTGAAGGAAACTTTGGCAGTTGGGTT
GTATCTTTTGCGTTTACCTTTATATAAACTCTTGAATGTCATAGAATGTCTAATGGCCTACGGGCTTGAAATTAAATAC
AACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAA
TTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTGGGCCATTCCTAGGAGCATGCCTGTTTGAGTGTCGTGA
ACACATCAACCCCAGTCAGGTTTGAAATCTGACTGGTGGCTGGATTTGGGAGTTGCCGGCTGTTTTGATTCAGTCGGCT
CTCCTTGAATGTATTAGCTTGGACTGTTTCCAAATGCTTCATAGCGTGATAATTATCTACGCTTTGGACGGGTTTGGAA
TACTATCGGTCTGGCTTCTAATCGTCCTCTGGACAATGTATTCATTCTTTGACCTCAAATCAGGTAGG

Pezizales sp. 2. Molecular sample BH2142F. Sporocarp specimen voucher=T999.
GATCATTATTGAAAAAGCTTTCGAGTTTTTTTTTTTATATCCCTTTGTTTATCTACCACGTTGCTTTCACTGGCCATGT
CCTCTAATTCTAAATCAGAGACAACTCAGCCAAGGGTTTATTTCAAAACACTTTTTTGGGGAAGCTGCCAGTGAAGAAA
ACTAGCACCTAAACTTGAGCTAAAATCAATTGTCTGAATCAAAACCTTTTGAATGAAATAAAACTTTCAACAATGGATC
TCTAGGCTCTTGCATCGATGAARAACGCAGKGAAATGCGATAAGTAATGKGAATTGCARAATCTCGGGAATCATCGAAT
CTTTGAACGCACATTGCGCCCTATGGTATTCCGTAGGGCATGCCTGTCTGAGCGTCAGCTCCCCCCCAACTCAAGCTTC
TTTTTGAAATARAAGCCTGGTTTATCTTGGAGAAGTCTCTCTACCTACAGAGTCACTCTTCAGCAATTAATAGGCAGTA
TGGTTTGTACCTGTTATCAGACGTAATAAGAATATAAATTCGTTTGAAGGAGACCAGCCTGTACTTGCCCTAACTCATC
CATTCTTCTTTTGGGTGACCTCAGATCAGGTAGG

Pezizales sp. 3. Molecular sample BH3740R. Root tips.
GATCATTAAATAGTATTATAGACTACATCTTGGTCANTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCT
GCGGAAGGATCATTATTGAAAAACTACTTTTTTTATAGTTTTTTTATATCCCATTGTCTACCTATCCTGTTGCTTCCACT
AGACAGGTTTCATCCCTGTAGCATGTGTGAATAACACTTGCCATAGAGTTGCTAGTGGTAAGCCCATTATCAAAACTTGA

TATGAAAATATGTCTGATTCATTCTTTGAAATAAAATAAAACTTTCAACAACGGATCTCTAGGCTCTTGCATCGATGAAG
AACGCAGTGAAATGCGATAAGTAATGTGAATTGCAGAATCTCGTGAATCATCGAATCTTTGAACGCACATTGCGCCCTAT
GGTATTCCGTAGGGCATGCCTGTCTGAGCGTCAGCTCCCCTCCACCTCAAGTATCTTTCAAGACGCTTGGATTACTTTGG
AGAAGTGGTTTTTGTAGGTGCTAAAAGTTACCTGAAATTTCCACCCTCCAAAAATATATTGGCAGTATGGCTTTCCAAAC
TGGACGTAATAAACATATAAAAGCGTCTCTTGTTTGGTCAGTGCTGTGCTTGCCTTAACCCACCCAAATCATATTTTTTT
TCTGGGTGACCTCAGATCAGGTAGG

Ramaria sp. 1. Molecular sample BH926F. Root tips.
GATCATTACAGAACCAATCGAGGGGTTCGATAAGGATGCTGGCCGCGCCCGCGGCATGTGCTCGCCCCTCTTTTCATTT
ACACCTGTGCACCTAGTGGGATGCCTCTCGGGGCGTCTCTCTCTTCTTACATCGTCGATGCCTGTTATAAACGCATGTC
TCAGTTGAGCTCCACGGAGCGTCATTAATACAACTTTCAACAACGGATCTCTTGGCTTTCGCATCGATGAAGAACGCCG
CGAAAGCGCGAAACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCATCTTGCGCCCCTCGGTCA
TTCCGAGGAGCATGCCTGTTTGAGTGTCGTTAAACACCCTCRGCCGTCCTTTCTGTATGTAAGGTGGCTGGACTTGGAC
GCTGCTGTTCCGTAAGGGACGGCTCGTCTCGAAATGTATTAGCCGCTCCGCCTCGGTCCTATGGACGACGATGTGATAA
TCGTAGATGTTCGTCGTCGTCGT

Russula persanguinea. Molecular sample BH3067F. Root tips.
GATCATTATTGTAAAACCGAGGTGCGAGGGCTGTCGCTGACCTTTTCGTCGTGCACGCCCGAGCACTTTCACACAATCC
ATCTCACCCCCTTGTGCACCACCGCGTGGGTCCCTCTCTGGCTTGTCCGGAGGAGGGGGCTCGCGTTTTCACACAAACT
TGAAGTAGTGTAGAATGTCCTTTTTTGCGATAACACGCAATCAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCA
TCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCT
TGCGCCCCTTGGCATTCCGAGGGGCACACCCGTTTGAGTGTCGTGACATTCTCAAAAATCCCTTCCTTTTTGGAAGGAT
TTTTGGACTTGGAGGCCTTTTGCTGGTTTCACCTTTGAAGCGAGCTCCTCCCAAATGTATTAGTGGGGTCTGCATTGTC
GGTCCTTGGCGTGATAAGTTGTTTCTACGTCTTGGATTTTTGGCGCTGTACGCCCGCTTCTAACCGTCTCATCGACAAC
GATGGTGTTCCGGTCGCCGCCGATCTTTCGGTGGGAGGCTTGACCCACGAAACAAACCTTTGACCTCAAATCGGGTGAG
ACTACCCGCTGAACTTAAGCATATC

Russula sp. 1. Molecular sample BH1560F. Sporocarp specimen voucher=T546.
GATCATTATAGTACAACAGAGGTGTGACGGCTGTTGCTGACCCTTCAAAAGGTTGTGCACGCTTGAGCTCTCTCTCTCT
CTCACATCCACCTCACCCTTTTGTGCATCGCCGCGTGGGTCCCCCTTTGAGGGGGTTTGCGTTTTTCATATAAAAACTA
GACACGGTGTAGAATGTCCTTTATTTTTGCGGATACATGCAATCAATATAACTTTCAACAACGGATCTCTTGGCTCTCG
CATCGATGAAGAACGCAGCGAAATGCGATATGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAC
CTTGCGCCCCTTGGCATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAAATCCTCAGAACCTTTGTTCCTCGATTGGGG
AAAAGGGTTTTGGACTTGGAGGATCAATGCTCGCCCTTACTTTTCAAAGGCGAGCTCCTCTCAAATAAATTAGTGGGGT
TTTGCTTTGCTGATCCTTGACGGTGATAAGACATCTCTACGTTTTGGATTTGGCAATTGTCCCTTGCTTCTAACCGTCC
CATGGACAATGATGGGTGCACCGGTCACCACCTTACATTGGTGGGAGGCTGGACCCACAAAAAGGACCCTTGACCTCAA
ATCGGGTGAGACTACCCGCTGAACTTAAGCATATC

Russula sp. 2. Molecular sample BH3287F. Root tips.
GATCATTATCGTACAATAGAGGTGCTGGGGTTGTCGCTGACTTTTGAAAGGGTCGTGCACGCCTCGGTGCTCTCGCACA
TAATCCATGTCACCCCTTTTGTGCATTACCGCGCGGGGACCCCTTTTAGCGAGGGGTCTTCACGTTTTTACAAATTATA
ACGCAATGTGTAGAATGTCTTACTTTTTGCGATCACACGCAATCAATACAACTTTCAACAACGGATCTCTTGGCTCTCG
CATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAC
CTTGCGCCCTTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGACATTCTCAAACCTTCTTGGTTTCTTGACCAG
GAAGGCTTTGGACTTTGGAGGCATTTGCTGGCATTCCTTCGTTGGAGCCAGCTCCTCTGAAATGGATTAGTGGGGTCTG
CTTTGCCTATCCTCGACGTGATAAGATGTTTTCTACGTCTTGGGTTTTGCACTGTTTCCCGCTTCTAACCGTCTCACAG
AAGACAATGGTCACTTGACCCATGAACCTTGACCTCAAATCGGGTGAGACTACCCGCTGAACTTAAGCATATCAAT

Russula sp. 3. Molecular sample BH1732P. Sporocarp specimen voucher=T658.
GATCATTATTGTATAACAGGGGTGATAAGGGCTGTTGCTGACCTTCAAAGGGTTGTGCACGCTTAAGCACTCTTAAACA
TCTATCTCACCCCATTGTGCATCACCGCGTGGGCACCTTTGTAAAGAGGGCTTGCGTTTTTTTAACATAAAACTTGATA
CAGTATAGAATATTATATTTTGCTATTATATGCAATTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGAT
GAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAACTTGCGC
CCCTTGGCATTCCGAGGGGCACACCTGTTTGAGTGTCGTGAAATTCTCAAAAACCTTTTTTATTTTATTTGATTGTTTC
TGATCAAGAAAAGGTTTTTGGACTTGGAGGTTTAATGCTTGCTTTTGTCTTGGATAGAAGTAAGCTCCTCTGAAATAAA
TTAGTAGGGTCTGCTTTGCTGATTCTTAATGTAATAAGATGCTTCTACATTTTGAATTTGGCACTGTCTCTTAGATGCC
TGCTTCTAACTGTCTTATGGACAATAATGGTGCTTCTGGTTACTGCTATTTATACTAGCATACTAG

Russula sp. 5. Molecular sample BH3347F. Root tips.
GATCATTATCGTATAACCGAGGTGCGAGGGCTGTCGCTGACCTTTGGGTCGTGCACGCCCGAGTGCTCTCACATACATC
CATCTCACCCATTTGTGCATCATCGCGTGGGCCCCGCTCTTCGAAGGGGGGCTCGCGTTTTCATACAAACACCCCTTTT
TAATGCAGTGTAGAATGTTCATTTGCGATGACTCGCAATAAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATC
GATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTG
CGCCCCTTGGCATTCCGAGGGGCACACCTGTTTGAGTGTCGTGACATTCTCAAAGAACCATTCTTGGTCCTTGTGATCG
AGAAAGGCTTTTTGGACTTTGGAGGTTATTGCTGGTTTTCCCAGCTCCTCCTAAATGAATTAGCGGGGACCACTTTGCT
GACCCTGGACGTGATAAGATGTTTCTGCGTCTTGGGTTTTCGCTCTGTCCTTTGGAGACCTGCTTCTAACCGTCTTGTC
AAAAGACAACGTTCGAGCCTTCATTGAAGGCTTGACCCATGACCCTTGACCTCAAATCAGGTGAGACTACCCGCTGAAC
TTAAGCATATC

Russula sp. 6. Molecular sample BH3076P. Root tips.
GATCATTATCATACAATGGAGGCGCAAGGGCTGTCGCTGACCTTTCAAGGGTCGTGCACGCCTGAKTTGCTCTCTCATA
CATCCATTTCACCCCTTATGTGCATCACCGCGTGGGGATTCCTTGAAAGGCCCACGTTTTTTTTTTCTCCCACACAAAC
CTCAAAGTAGTGTAGAATGTACTTTCTTTATTTGCGGTGATACGCAATCAATACAACTTTCAACAACGGATCTCTTGGC
TCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAA
CGCACCTTGCGCCCCTTGGTATTCCTAAGGGCACACCCGTTTGAGTGTCGTGAAATCCTCAAAAAAACTGTTTCTTGAT
CTTCAAGAAAAAGTATTTTTGGACTTGGAGGATCAATGCTCGCTGTCAGTTATTGAAAGGGAGCTCCTCTTAAATAAAT
CAGTGGGGGGTTTGCTTTGCTGATCCTTGACGTGATAAAACAATTCTACGTTTTGGATATAGCATTGTCCATTTTTTAAA
CACCTGCTTATAGACAATGATGGTGTTCTGGTCACCGCCCACCTACCTGTGTTGGTGGGGGGAACGCTAGACCC

Russula sp. 7. Molecular sample BH3698F. Root tips.
GATCATTAATGGTACAATGGAGGTGCTGGGGTTGTCGCTGACTTGTGAAAGGGTCGTGCACGCCTTGGTGCTTTCGCACA
TAATCCATTTCACCCCTTTGTGCATTACCGGCGTGGGGACCCCTTTTAGCTAGGGGTCTTCACGTTTTTACAAATTTTAA
ACCCAATGAATGTGTAGAATGTCTTACTTTTTGCGATCACACGCAATCAATACAACTTTCAACAACGGATCTCTTGGCTC
TCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGC
ACCTTGCGCCCTTTGGCATTCCGAGGGGCACACCCGTTTGAGTGTCGTGACATCTTCAAACCTTCTTGGTTTCTTGACCG
GGAAGGCTTTGGACATTGGAGGCTTTTGCTGGTGTTCCTTTGTTGGAGCCAGCTCCTCTGAAATGGATTAGTGGGGTCTG
CTTTGCCTATCCTCGACGTGATAAGATGTTTTCTACGTCTTGGGTTTTGCACTGTTTCCTGCTTCTAACCGTCTCACAGA
AGACAATGGTCAAGTGATTGCCACTTGACCGCACGAACCTGACCTCAAATCTGTGAAA

Russula sp. 9. Molecular sample BH3407F. Sporocarp specimen voucher=T1142.
GATCATTATCGTATAAAATGGAGGTGCTGGGGCTGTCGCTGACCTTTGAAAAAGGTCGTGCACGCCCGGAGCACTCTCT
CATATCCATCTCACCCCTTTGTGCATTGCCGCGTGGGCCCCCTTTTGGCTTGTTCCAGAGGGGGTGACCTGCGTTTTTA
CATAGACACCCTTTGAATGCATGTGTAGAACGTCTTACTTTTTGCGATCACACGCAATCAATACAACTTTCAACAACGG
ATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCG
AATCTTTGAACGCACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAATACTCTCAACCTTCT
TGGTTTCTTTGACCACGAAGGCTTGGACTTTGGAGGTTTTTCTTGCTGGCCTCTTTTGAAGCCAGCTCCTCCTAAATGA
ATGGGTGGGGTCCGCTTTGCTGATCCTCGACGTGATAAGCATTTCTTCTACGTCTCAGTGTCAGCTCGGAACCCGCTTT
CCAACCGTCTTTGGACAAAGACAATGTTCGAGTTGTGACTCGACCTTACAAACCTTGACCTCAAATCGGGTGAGACTAC
CCGCTGAACTTAAGCATATC

Russula sp. 15. Molecular sample BH3499R. Sporocarp specimen voucher=T1223.
GATCATTATTGTATAACAGGAGCTGTAAGGGCTGTTGCTGACCTCTAAAGGGTTGTGCACGCCTAAGCACTCTTAAACA
TCCATCTCACCCTATTGTGCATCACCGCGTGGGCCTTTTTGTAAAAGGGGCTTGCGTTTTTTTATACATAAAACTTGAT
ACAGTATCGAATATTATATTTTGCTATTATATGCAATTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGA
TGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAACTTGCG
CCCCTTGGCATTCCGAGGGGCACACCTGTTTGAGTGTCATGAAATTCTCAAAAACCTTTTTTGTTTGATCGTTTCTGGT
CAGGAAAGGCTTTTGGACTTGGAGGTTTAATGCTTGCTTTTGTATTGGAAGTAAGCTCCTCTAAAATAAATTAGTAGGG
TCTGCTTTGCTGATTCTTAATGTAATAAGATGCTTCTACATTTTGAATTTGGCATTGTCTTATAGATGCCTGCTTCTAA
TAGTCTTATGGACAATAATGGTGCTTCTGGTTATTGCTATTTATATTAGCAGACAGCTAGACCCATATAAAATAAAAAA
TCTTGACCTCAAAT

Russula sp. 16. Molecular sample BH3582R. Sporocarp specimen voucher=T301.
GATCATTATTGTATAACAAGGGTGTAAGGGCTGTTGCTAATCTTTAAAGGGTTGTGCACGCCTAAGCACTCTTAAACAT
CCATCTCACCCCATTGTGCATCACCGCGTGGGTCCCTTTGCAAAGAGGGCTTGCGTTTTTTTTAATACACAAAACTTGA
TACGGTATAGAATATTATATTTTGCTATTATATGCAATTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCG
ATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAACTTGC

GCCCCTTGGCATTCCGAGGGGCACACCTGTTTGAGTGTCGTGAAATCCTCAAAAACCTTTTTGTTTGATTGTTTCTGGT
CAGGAAAAAGGTTTTTGGACTTGGAGGTTTAATGCTTGCTTTTATCTTCGAAGCAAGCTCCTCTGAAATAAATTAGTAG
GGTCTGCTTTGCTGATTCTTAATGTGATAAGATGCTTCTACATTTTGAATCTGGCATTGTTTCTTAGATGCCTGCTTCT
AACTGTCTTATGGACAATAATGGTGCTTCTGGTTACTGCTATTTTATATTAGCAGACAGCTAGACCCATATAAAATAAA
ATCGTGACCTCAGTC

Russula sp. 17. Molecular sample BH3465R. Sporocarp specimen voucher=T1189.
GATCATTATTGTATAACAGGGGGTGTAAGGGCTGTTGCTGACCTTTAAAGGGTTGTGCACGCCTAAGCACTCTTAAACA
TCTATCTCACCCACTGTGCATCACTGCGTGGGCCCTTTTGTAAAGAGGGCTTGCGTTTTTTTATACATAAAACTTAATA
CAGTATAGAATATTATATTTTGCTATTATATGCAATTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGAT
GAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATTTTTGAACGCAACTTGCGC
CCCTTGGTATTCCGAGGGGCACACCTGTTTGAGTGTCGTGAAATCCTCAAAAACCTTTTTTGTTTGATTGTTTCTGGTC
AGGAAAAGGTTTTTGGACTTGGAGGTCTAATGCTTGCTTTTGTGTTGAAAGCAAGCTCCTCTGAAATAAATTAGTAGGG
TCTGCTTTGCTGATTCTTAATGTAATAAGATGCTTCTACATTTTGAATTTGGCATTGTCTCTTAGATGCCTGCTTCTAA
CTGTCTTACGGACAATAATGGTGCTTCTGGTTACTGCTATTTAATATTAGCAGACGCGGCTAGACCCATATAAAATAAA
ATC

Russula sp. 19. Molecular sample BH3494R. Sporocarp specimen voucher=T1217.
GATCATTATTGTATAACAGGAGCTGTAAGGGCTGTTGCTGACCTCTAAAGGGTTGTGCACGCCTAAGCACTCTTAAACA
TCCATCTCACCCTATTGTGCATCACCGCGTGGGCCTTTTTGTAAAAGGGGCTTGCGTTTTTTATACATAAAACTTGATA
CAGTATAGAATATTATATTTTGCTATTATATGCAATTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGAT
GAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAACTTGCGC
CCCTTGGCATTCCGAGGGGCACACCTGTTTGAGTGTCATGAAATTCTCAAAAACCTTTTTTGTTTGATCGTTTCTGGTC
AGGAAAGGCTTTTGGACTTGGAGGTTTAATGCTTGCTTTTGTATTGGAAGTAAGCTCCTCTAAAATAAATTAGTAGGGT
CTGCTTTGCTGATTCTTAATGTAATAAGATGCTTCTACATTTTGAATTTGGCATTGTCTTATAGATGCCTGCTTCTAAT
AGTCTTATGGACAATAATGGTGCTTCTGGTTATTGCTATTTATATTAGTAGACAGCTAGACCCATATAAAATAAAAAAT
CTGACCTCAAATCAG

Russulaceae sp. 1. Molecular sample BH1565F. Sporocarp specimen voucher=T542.
GATCATTATCGTACAATGGGGGTACGACGGCTGTCGCTGACGTCAAGTCGTGCACGCCCGAGTGCTCTCCCATCCATCT
CACCCCTTTGTGCATCACCGCGTGGGTTCCCCTTCCTCGGACGGGGTGCTCACGTTTTTAACATCGAACACCCATTTAA
ACGTAGTATAGAATGTTCTTTGCGCAAACATGCGTGATCAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCG
ATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGC
GCCCCTTGGCATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAACATCCTCAACCTGCTTCGTTTTCTCCAAACAAAGT
AGGCTTGGAATTTGGAGGTTTTCTGCTGGCATCCTACGAAGCCAGCTCCTCTCAAATGTATTAGTGGGATCCGCTTTGC
TAGATCCTCGACGTTGATAAGATGCTTCTACGTCTTGGGTTTCGCTCAGGAATGACCTGCTTCTAACAGTCCCATCGGG
GACAAYGTTCGAGAGCCGATCACCCCGTGAACGGGGTGCGAAGCTTTTCGACCTTTCATGCCTTGACCTCAAATCGGGT
GAGACTACCCGCTGAACTTAAGCATATCATA

Russulaceae sp. 2. Molecular sample BH3013R. Sporocarp specimen voucher=T1113.
GATCaTTATTGTATTACCGGGGGGTGTAAGGGCCGGTGCCGGCCCTTAAAAGGTTGGGCCCGCCCCAGCCCTTTTGAACC
TTCCTTTTTCCCCCTTGGGCCTCCATGGGGGGGCCCCTTTTCAAAGGGGGCCTGGGTTTTTTTCACATAAACTTGATAC
AGTATAGAATATTATATTTTGCTATTATATGCAATTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATG
AAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAACTTGCGTC
CCTTGGCATTCCGAGGGGCACACCTGTTTGAGTGTCGTGAAATTCTCAAAAACCTTTTTATTAAAGTTTTTGGACTTGG
AGGTTTAATGCTTGCTTTTGTCTTGGAAGCAAGCTCCTCTGAAATAAATTAGTAGGATCTGCTTTGCTGATTCTTAATG
TGATAAGATGTTTTACATTTTGAATTTGGCATTGTCTCTTAGATATCTGCTTCTAATTGTCTTATGGACAACAATGGTG
CTTCTGGTTACTGCTATTTATATTAGCAGACAGCTAGACCCATATAAAATAAAATCGTGACCTCAAATCATGG

Russulaceae sp. 3. Molecular sample BH1667P. Sporocarp specimen voucher=T740.
GATCATTATCTGGTATAACASGGGGGTGTAAGGGCTGTTGCTAACCTTTAAAGGGTTGTGCACGCCTAAGCACTCTTAA
ACATCCATCTCACCCCATTGTGCATCACTGCGTGGGCCCCTTTGTAAAGAGGGCTTGCGTTTTTTTTATACATAAAACT
TGATACAGTATAGAATATTATATTTTGCTATTATRTGCAATTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCA
TCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAACT
TGCGCCCCTTGGCATTCCGAGGGGCACACCTGTTTGAGTGTCGTGAAATTCTCAAAAACCTTTTTGTTTGATTGTTTCT
GGTCAGCAAAAGGCTTTTGGAGTTGGAGGTCTAATGCTTGCTTTTGTTTTGGAAGCAAGCTCCTCTGAAATAAATTAGT
AGGGTCTGCTTTGCTGATTCTTAATGTGATAAGATGCTTCTACATTTTGAATTTGGCATTGTCTTTTAGATGTCTGCTT
CTAACTGTCTTATGGACAATAATGGTGCTTCTGGCTATAGCTATTTATATTAGCGGATG

Russulaceae sp. 4. Molecular sample BH3616R. Sporocarp specimen voucher=T830.
gATCAtTATTGTATCACAGGGGTGTAAAGGCTGGCGCTGACCTATAAAGGGTTGCGCACGCATAAGCTCTCTTAAGCATC
CATCTCACCACAGTGTGCATCACCGCGTGGGCCCCTTGGCAAGGAGGGCTTGCGTTTTTTTCTACACAAAACTTGATACA
GTATAGAATATTATATTTTGCTATTATATGCAATTAATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAA
GAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAACTTGCGCCCCT
TGGCATTCCGAGGGGCACACCTGTTTGAGTGTCGTGAAATCCTCAAAAACCTTTTGTTTGATCGTTTCTGGTTGGGAAAA
GGCTTTTGGACTTGGAGGTTTTAATGCTTGCTTTTTGTCTTGGAAGCAAGCTCCTCTGAAATAAATTAGTAGGGTCTGCT
TTGCTGATTCTTAATGTAATAAGATGTTTCTACATTTTGAATTTGGCATTGTCTCTTAGATGCCTGCTTCTAACTGTCTT
ATGGACAATAATGGTGCTTTTGGTTACTGCTATTATATTAGCAGCCAGCTAAACCCATGTAAAATAAAATC

Russulaceae sp. 8. Molecular sample BH2146R. Sporocarp specimen voucher=T997.
GATCATTATCATCCAATGGAGGTGCGGGGGTGGTCGCTGATTCTTGAAAGGGTCGTGCACACCTCGGTGTTTTCACATA
TAATCCTTTTCACCCCTTTTGTGCATTACCGCGGGGGGACTCCTTTTAGCTAGTTTTAAGAGGGATCTTCACGTTTTTA
CCAATTTTAACCCAATGTGTAGAATTTCTTACTTTTTGGGATCATACCCAATCAATCCAACTTTCAACAACGGATTTCT
TGGCTCTGGCATCGATGAAGAACGCAGGGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATGGAATCTT
TGAACGCCCCTTGCGCCCTTTGGCATTCCGAGGGGCCCACCCGTTTGAGTGTCGTGACATTTTCAAACCTTCTTGGTTT
TTTGCCCAGGAAGGCTTTGGACTTTGGAGGCTTTTGCTGGTGTTCCTTTGTGGGAGCCAGCTCCTCTGAAATGGATTAG
TGGGGTCTGCTTTGCCTATCCTCGACGTGATAAGATGTTTTCTACGTCTTGGGATTTGCACTGTTTCCTGCTTCTAACC
GTCTCACAGAAGACAATGGTCTAAGTGATTGCCACTTGACCCATGAACCGTGACATCTATATACAT

Russulaceae sp. 10. Molecular sample BH2147P. Sporocarp specimen voucher=T998.
GATCATTATCGTATAACAGAGGTGCTAGGGCTGTTGCTGACCCGTCAAAGGGTAGTGCACGCCCAAGTGCTCTCTCACA
TCCATCTCACCCCCTTTGTGCATCACCGCGTGGGCCCACCTTTTTGGCTTGTTTCAAAGAGGTTGGTTCGCGTTTTTAC
ACACACGCACCTTTTATGTATAGAATGTCTTACTTTTTGCGGTGATACGCAATAAATAAATACAACTTTCAACAACGGA
TCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGA
ATCTTTGAACGCACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAACACATCCTCAACCTTC
TTTTGGGTTTTTGACCGGGGAAGGCTTGGACTTTGGAGGCCTTTCATTGCTGGTTTGCTTTTAAAGCCAGCTCCTCCTA
AATGAATCAGTGGGATCCGCTTTGGTGATCCTTGACGTGATAAGTATTATTCTACGTCTTGGGTTTTCACAGCACCTGC
TTCCAACCGTCTTTAAACAAAGACAATGTTCGGGTTTCGACTCGA

Russulaceae sp. 11. Molecular sample BH2143P. Sporocarp specimen voucher=T995.
GATCATTACCTGNTATGATGGAGGTGCTGGGGTTGTCGCTGACTTTTGAAAGGGTCGTGCACACCTCAGTGCTCTCACA
CATAATCCATCTCACCCCTTTGTGCATCACCGCGTGGGGACCCCTTTTGGCTAGTTCTGAGGGGGGTTTTCACGTTTTT
ACACAGACACCCTTTTAATGCAATGTGTAGAATGTCTTACTTTTTTTTTGCGATCACACGCAATCAATACAACTTTCAA
CAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAA
TCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGCATTCCGAGGGGCACACCCGTTTGAGTGTCGTGATATTCTCAAA
CCTTCTTGGTTTCTTGACCGGGAAGGCTTTGGACTTTGGAGGCTTTTGCTGGTGTTCCTTTGTTGGAGCCCAGCTCCTC
TGAAATGAATTAGTGGGGTCTGCTTTGCCGATCCTTGACGTGATAAGATGTTTTCTACGTCTTGGGTTTTGCACTCCTG
CTTCTAACTGTCTCACAGAAGACAAAT

Russulaceae sp. 12. Molecular sample BH2149F. Sporocarp specimen voucher=T996.
GATCATTATCTGCTATAACAGGGGGGATGTAAGGGCTGTTGCTAACCCTTTAATGGGTTGTGCACGCCTAAGCACTCTT
AAACATCCATCTTACCCCATTGTGCATCACCGCGTGAGCCCCTTTGCAATTTGCAAAGAGGGCTTGCGTTTTTTTTTTT
AAACATCAAACTTGATACAGTATAGAATATTATGTTTTGCTATTATATGCAATTAATACAACTTTCAACAACGGATCTC
TTGGCTCTCGCATCGATGAARAACGCAGCGAAATGCGATACGTAATGTGAATTGCARAATTCAGTGAATCATCGAATCT
TTGAACGCAACTTGCGCCCCTTGGCATTCCGAGGGGCACACCTGTTTGAGTGTCGTGAAATCCTCAAAAACCTTTTTTG
TTTGATTGTTTCTGGTCAGGGAAAAGGTTTTTGGACTTGGAGGTTTAATGCTTGCTTTTGTCTTGGAAGCAAGCTCCTC
TGAAATAAATTAGTAGGGTCTGCTTTGCTGATTCTTAATGTAATAAGATGCTTGTACATTTTGAACTTGGCATTGTTTC
TTAGATGCCTGCTTCTAACTGTCTTATGGACAATAATGGTGTTTCTGGTTACTGCTATTTATATTAGCAGACAGCTAGG
CCCATATAATCTTGACCTCAAATCAGGTGAGACTACCTGCTGAACTTAAGCATATCAA

Sebacina sp. 1. Molecular sample BH1242F. Root tips.
GATCATTATTGAWTGAGAATCGTWGCCTTCTGTGCTGGCTCCGGCAAGTGCACGTTGGTGACTTTCATCCAATACCCTT
GTGAACCCCTGGCCTCTTGCTAGCTTCGGTTGGCAGAGGATATTTACACAAACTCGAATGTAACGAAAAGACCTTGTTG
TGCGCAAGCACTAATGTACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGTGATA
AGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCACTCTTTGGTATTCCGAAGGGTATG
CTCGTTTGAGTGTCATTGTACTCTCACACTCTCCGATTCGGATTGGGGAGCGGTGGACTTGGGTGTTGTTGCTTCATTG

TAGCTCATCTTAAATGTGTTAGTGCAACTCTTGGTTGGACATAATACGGCGTGATAAGTGTCTTCGCCGGTGCCTCATA
AGAGGGTGGCTAATCGGGAGCTCTGTGCCTCAAATCGTCTTCTGACAATTTCTGACAACTTGACCTCAAATCGAGTAGG
ACTACCCGCTGAACTTAAGCATATCAAT

Sebacina sp. 2. Molecular sample BH3027F. Root tips.
GATCATTATTGATTATGAATCGTTGCCCTCTGTGCTGGCTCCGGCAAGTGCACGCTGGTGACTTTCATCCAACACCCTT
GTGAACCTTTGGCCTCTTGCTAGCTTCGGTTGGCAGAGGATTTATACACAAACTCGAATGTAATGAAAAACTTTGTTGT
GTGCGCAAGCACTAATGTACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGTGAT
AAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCACCCTTTGGTATTCCGAAGGGTAT
GCTCGTTTGAGTGTCATTGTACTCTCACACTCTCCAATTCGAATTGGGGAGTTGTGGACTTGGGTGTTGCTGCTTCACT
GTCAGGCTCACCTCAAATGTGTTAGTACAACTCTTGGTTAGACATAGTACGGTGTGATAAGTATCTTCACTGTGCCTCG
CAAGAGGGTGGCTAATCGGGAGCTGTGTGCTTCAAACAGTCTTTGGACAATGTCTGACAACTTGACCTCAAATCGAGTA
GGACTACCCGCTGAACTTAAGCATATCAATA

Sebacina sp. 3. Molecular sample BH3722R. Root tips.
GATCATTATCGATTATAAATCGTTGACGTAAGTGTTGGCTCCGGCAAGTGCACGCTGGTCACTTGCATCCAACACCCTTG
TGTACCTTTGTCCTCTTGCAAGTTTGGGTTCGCAGAGGATTTATACACAAACTCGAATGTAATGAAAAACTTTGTTGTGT
GCGCAAGCACCAATGTACAACTTTCAACAACGGATCTTTTGGCTCTTGCATTGATGAAGAACGCAGAGAAATGTGATAAG
TAACGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCACCCTTTGGTATTCCGAAGGGTATGCTC
GTTTGAGTGTCATTGTACTCTCACACTCTCCAATTTGGTATTGGGGAGTTGTGGACTTGGGTGTTGCTCATTCACTGTCA
GGCTCACCTCAAATGGGGTAGTACAACTCTTGGTTAGCCATAAAACGGGGTGATAAGCCTTTTCGCTGTGCCTCGCAAGA
GGGTGCCTAATCGGGAGTCCCGGCTTCACACGCCCTTCCCCCAATCTTGACTAGGTGACCTCAGATCATGTACG

Sebacinaceae sp. 1. Molecular sample BH3052AF. Root tips.
GATCATTAATGATTGCGAATGGTCACCTTCAGTGCTGGCTCGTAAGGGCAAGTGCACGTTGGTGGCTTTCATCCAATAC
CACACCCTTGTGAACCTTTGGCCTCATACTAGCTTCGGCTGGCAGAGGATTTTACATATATACTCGAATGTAATGAAAA
CTATTGTTGTGCGCAAGCACTAATATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGA
AATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCACCCTTTGGAATTCCA
AAGGGTATGCTCGTTTGAGTGTCATTGTACTCTCACACTCTCCGATCCTTTGGATTTGGGGAGCGGTGGACTTGGGTGT
TTGCTGCTTTCCTTGTGGCTCACCTCAAATGTGTCAGTGCACCTCTTGGTTGGACATAGTACGGCGTGATAAGTGTCTT
CGCCGGCACCTCATATGAGGGTGGCCGATCAGGAGCTCTGTGCTCTCAAACTGTCTCTGGACAATCTTTTTGACAACTT
GACCTCAAATCGAGTAGG

Setchelliogaster sp. 1. Molecular sample BH1717P. Sporocarp specimen voucher=T665.
GATCATTACAGAATAAACTTGATGGGTTGTYGCTGGTTCTTTCGGGAGCATGTGCACGCCTGTCACTTTTGTCTTTCCA
CCTGTGCACCCTTTGTAGACTTGGAATTAAACTATCTGAAAGCTTTAAAACGGCTTTCGGTTTGAGGGATTGCTGTGCC
CATTTGGGTCAGCTTCCCTTGCAGGTTCCAGCCTATGTTTTTCATACACCCCATAGTATGTCTTAGAATGTTATCAAGG
GCCGTAGTGCCTATAAAACTTTATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAA
TGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAG
GAGCATGCCTGTTTGAGTGTCATTAAATTCTCAACCTTATCATCTTTGATGAAAAGGCTTGGACTTGGGGGTTTTATTT
GCGGGCTTCAACCATTTGAAGTTAGCTCCCCTTAAATGTATTAGCCGGAAAATCCTTGTGGTCCGTCTATTGGTGTGAT
AATTATCTACGCCGTGGACATAGGGCTGCCTTTTGTAATGGGAYTTCTGCTTCAAACCGTCCTTAGGGACAATA

Thelephoraceae sp. 1. Molecular sample BH3750R. Root tips.
GATCAtTAGAGAATTCTCAACGGGGGGTGTCTGTTGTCCTCAAGCGGGGGCATGCACACTCTGTGTTCACACATCCACTC
ACCCCTGCGCCCCCTCCGCAGTTATATGGCTGGGGGGTCTCTGTCCCTTATGCTGTGCTCGCGTGTCTTCACACACACAC
ACTGTAATAAAGTCTCATGGAATGTATACCGCGTTTAACGCAATATAATACAACTTTCAGCAACGGATCTCTTGGCTCTC
GCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCAC
CTTGCGCCCTTTGGACATTCCGAAGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTTTATGCTTTGCCATGATG
AGCTTGGACTATGGGGGTTTTGCTGGCCTGCGGTCGGCTCCCCTCAAATGAATCAGCTTGCCAGTGTTTGGTGGCATCAC
AGGTGTGATAACTATCTACCCTTGTGGTTCTCTGCCAAGTAACCTTCAGCGATGGAGGTTCACTGGAGCTCATAAATGTC
TCTCCTTCAGCTGAGGACGAGCTTTTGAACGCTTGATATCTAAG

Thelephoraceae sp. 2. Molecular sample BH3230F. Root tips.
GATCATTAATGAAATNGTTTGTCGTAGAAGGGTTGTAGCTGGCCCCCAAGGGCACGTGCACACCTGGATCGCATCCACC
TCCAACACCTGTGCACAACCTGTAGCTTGGGATGATCACGGGGCCCTTGTCGGCCGCGAATGCCCCTGTCTACGAATAT
TTTTACACACACAACTAGTCACAGGGAATGCACACACGAAGCGTCTAACAAACGCGACAAATACAACTTTCAACAACGG
ATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCG

AATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATGAAATTCTCAACTGCCTC
AAGTTCTTGTGGCGAGGTTGGACTTGGAGGACATTGCTGGCGCATGCTCCGTGCATGCTTGTCGGCTCCTCTTGAATGC
ATGAGCTTTCCAATCCTTGGCAAAGTATCGTCGATGTGATAGTTATCAGCGTCGTCCGAGAAAAGCGTGTAAGGGGAAA
TCTACGATCGCATCGGCCCTTTGGGGTTCCGTGTCTGAAAAATTCGACCTCAAATCAGGTAGG

Thelephoraceae sp. 4. Molecular sample BH1190R. Root tips.
GATCATTACTGAGTTGCTGACAAGAGTTGTTGCTGGTCCCCTCAGATGGGGGACATGTGCACACTCTGTCTGTACATCCA
CTCACACCTGTGCACTCTCTGCAGTTCTATGGCCAGGGGGATTTCCATTCTCCTTCTGTGGTTCTGTATTTTTACACACA
CACATTGTATCAAAGTCTCATGGAATGTATGTCGCGATTAACGCAATACAATACAACTTTCAGCAACGGATCTCTTGGCT
CTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACG
CACCTTGCGCCCTTTGGCCATTCCGAAGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTCATGGTTTTTCCGTG
ATGAGCTTGGACTTTGGGGGTATTGCTGGCCTGTGGTTGGCTCCTCTCAAATGCATCAGCTTACCGGTGTTTGGTGGCGT
CGCAGGTGTGATAACTATCTACGCTTGTGGTTTTCCACCAGGTGACCTTCAGCTATGGAGGCTCACTCATCTCATAGACG
TCTCTCTTCGGTGACAGCGGCTCTTCGAATCACGACATCTAGTGCTGG

Thelephoraceae sp. 5. Molecular sample BH3043F. Root tips.
GATCATTACCGAATTGTCAACATGGGTTGTTGCTGGTCCTCAAATGGGGGCATGTGCACACTCTGTTCACACATCCACT
CACACCTGTGCACCCTCTGTAGTTCTATGGCCTGGAGGGACTCTGTTCCTCCTGCTGTGGTTCTGCATCTTTACACACA
CACTGTAATGAAGTTTTATGGAATGTATGCCGCGTTTAACGCAATACAATACAACTTTCAGCAACGGATCTCTTGGCTC
TCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACG
CACCTTGCGCCCTTTGGCCATTCCGAAGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTCATGGTTTGCCGTG
ATGAGCTTGGACTTTGGGGGTCTTGCTGGCCTGTGGTCGGCTCCTCTAAAATGAATCAGCTTACCAGTGTTTGGTGGCA
TCGCAGGTGTGATAATTATCTACGCTTGTGGTTCTACACCAGGTAACCTTCAGTGATGGAGGTTCGCTGGGGCTCACAA
ATGTCCCTCCTCAGTGGGGACAGCTTTTTTAAYGTTTGATCTCAAATCAGGTAGG

Thelephoraceae sp. 6. Molecular sample BH3225F. Root tips.
gAtCattATNTGAANNNNNGANANGANATGTTGCTGGCCCCCTGATGGGGGGCATGTGCACGCTCTGTTCATTCATCCA
TTCACACCTGTGCATCCTCTGTAGTTCTATGGTCTGGGGGACACTGTTCCTCTTGCTGTGGTTCTATGTTTTTTACACA
CACACACACTGTAATGAAGTCTCATGGAATGTATGCCGCGTTTAACGCAATACAATACAACTTTCAGCAACGGATCTCT
TGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTT
TGAACGCACCTTGCGCCCTTTGGCCATTCCGAAGGGCATGCCTGTTTGAGTATCATGAACACCCTCAACTCTCATGGTT
TGCCATGATGAGCTTGGAATCTGGAGGTCTTGCTGGCCTGTGGTCGGCTCCTCTAAAATGAATCAGCTTTACCAGTGTT
TGGTGGCATCACAGGTGTGATAACTATCTACGCTTGTGGTTCGCCGCTGAGTAACCTTCAGCAATGGAGGTTTGCTGGA
GCTCATAAATGTCTCTCCTCAGTGAGGACAACTTTTGAACGTTTGATCTCAAATCAGGTAGG

Thelephoraceae sp. 7. Molecular sample BH3206P2. Root tips.
GATCATTACTGAATTGTCAACACGGGTTGTTGCTGGTCCTCAAACGGGGGCATGTGCACGCTCTGTTCACACATCCACT
CACACCTGTGCACCCTCCGCAGTTCTATGGCTTGGGGGGACTCTGTCCCTTATGCTGTGGTCCTGCGTCTTTACACACAC
ACACACTGTAATAAAGTCTCATGGAATGTATACCGCGTTTAACGCAATATAATACAACTTTCAGCAACGGATCTCTTGG
CTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGA
ACGCACCTTGCGCCCTTTGGACATTCCGAAGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTTTATGCTTTGC
CATGATGAGCTTGGACTATGGGGGTTTTGCTGGCCTGCGGTCGGCTCCCCTCAAATGAATCAGCTTGCCAGTGTTTGGT
GGCATCACAGGTGTGATAACTATCTACCCTTGTGGTTCTCTGCCAAGTAACCTTCAGCGATGGAGGTTCGCTGGAGCTC
ATAAATGTCTCTCCTCAGCGAGGACAGC

Thelephoraceae sp. 8. Molecular sample BH3355F. Root tips.
GATCATTATTGAATTGTTGACACGAGTTGTTGCTGGCCCTTTATGGGGGGCATGTGCACGCTCTGTTCATTCATCCACT
CACACATGTGCACCCTCTGTAGTTCTGTGGTCCGTGGGACTCTGTCCCACTCACTGTGGTTCTATGTTTTTTACACACA
CTGTAATAAAGTCTCATGGAATGTATGCCGCGTTTAACGCAATACAATACAACTTTCAGCAACGGATCTCTTGGCTCTC
GCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCA
CCTTGCGCCCTTTGGCCATTCCGAAGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTCATGGTTTGCCATGGT
GAGCTTGGAATCTGGAGGTCTTGCTGGCCTATCGGTTGGCTCCTCTAAAACAAATCAGCTTACCAGTATTTGGTGGCGT
CATGGGTGTGATAACTATCTACGCTTGTGGTTGACCACTAAGTAACCTTCAGCAATGGAGGTTTGCTGGGGCTCACAAA
TGTCTCTCCTCAGTGAAGACAGCTTTTGAACGTTTGGTCTCAAATCAGGTAGG

Thelephoraceae sp. 9. Molecular sample BH3075F. Root tips.
GATCATTACCGAGTCGTCGACATGAGCTGTTGCTGGTCCTCAAACATGGGGGCATGTGCACGCTCTGTTTGCACATCCA
TTCACACCTGTGCACCTATGTAGTTCTGTGGTCTGGGGGACACCAACCTCCATCCCCCATAGTTCTATGTCTTTACAAA

TACACCGTAGCAAAGTCTTGTGGAATGTGCTCAGCGTTTAACGCAATACAATACAACTTTCAGCAACGGATCTCTTGGC
TCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAA
CGCACCTTGCGCCCCTTGGCTATTCCGAGGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTCATGGTTCGCCG
TGATGAGCTTGGACTTTTTGGGGGTTTTGCTGGCCTACGGTCGGCTCCTCTGAAACTGATCAGCTTGCCAGTGTTTGGT
GAAGTCATGGGTGTGATAACCGTCTACGCTCGTGATTGCTCGCCAAGTGACCTTTGGAGGTTCGCTGGAGCTTATAAAC
GTCTCTCCTTGGCGGAGACAGCTTTTTGACCGTTCGATCTCAAATCAGGTAGG

Thelephoraceae sp. 10. Molecular sample BH3079F. Root tips.
GATCATTACCGAGTCGTCGACATGAGCTGTTGCTGGTCCTCAAACATGGGGGCATGTGCACGCTCTGTTTGCACATCCA
TTCACACCTGTGCACCTATGTAGTTCTGTGGTCTGGGGGACACCAACCTCCATCCCCCATAGTTCTATGTCTTTACAAA
TACACCGTAGCAAAGTCTTGTGGAATGTGCTCAGCGTTTAACGCAATACAATACAACTTTCAGCAACGGATCTCTTGGC
TCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAA
CGCACCTTGCGCCCCTTGGCTATTCCGAGGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTCATGGTTCGCCG
TGATGAGCTTGGACTTTTTGGGGGTTTTGCTGGCCTACGGTCGGCTCCTCTGAAACTGATCAGCTTGCCAGTGTTTGGT
GAAGTCATGGGTGTGATAACCGTCTACGCTCGTGATTGCTCGCCAAGTGACCTTTGGAGGTTCGCTGGAGCTTATAAAC
GTCTCTCCTTGGCGGAGACAGCTTTTTGACCGTTCGATCTCAAATCAGGTAGG

Thelephoraceae sp. 11. Molecular sample BH3320R. Root tips.
GATCATTACCGAATTGTCAACATGGGTTGTTGCTGGTCCTCAAATGGGGGCATGTGCACACTCTGTTCACACATCCACTC
ACACCTGTGCACCCTCTGTAGTTCTGTGGCCTGGAGGGACTCTGTTCCTCCTGCTGTGGTTCTGCATCCTTACACACACA
CTGTAATGAAGTTTTATGGAATGTATGCCGCGTTTAACGCAATACAATACAACTTTCAGCAACGGATCTCTTGGCTCTCG
CATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACC
TTGCGCCCTTTGGCCATTCCGAAGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTCATGGTTTGCCGTGATGAG
CTTGGACTTTGGGGGTCTTGCTGGCCTGTGGTCGGCTCCTCTAAAATGAATCAGCTTACCAGTGTTTGGTGGCATCGCAG
GTGTGATAATTATCTACGCTTGTGGTCTACTCCAGGTAAAATCAAGAACAGGTCTCTCCAGGTCACAAGATGTCTCTTCT
CTTTAGCGGTTTTCGCGACAATCAATTCATGTCATT

Thelephoraceae sp. 12. Molecular sample BH3033F. Root tips.
GATCATTACTGAACTGTCAACACGAGTTGTTGCTGGTCCTCAAATGGGGACATGTGCACGCTCTGTTAACACATCCACT
CACACCTGTGCACCCTCTGTAGTTCTATGGCCTGGGGGGACTCTGTCCCTCCTGCTGTGGTTCTACGTCTTTACACACA
CACTGTAATAAAGTCTTATGGAATGTATGCCGCGTTTAACGCAATACAATACAACTTTCAGCAACGGATCTCTTGGCTC
TCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACG
CACCTTGCGCCCTTTGGCCATTCCGAAGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTCACGGTTCGCCGTG
ATGAGCTTGGACTTTGGAGGTCTTGCTGGCCTGTGGCCGGCTCCTCTAAAATGAATCAGCTTGCCAGTGTTTGGTGGCA
TCGCAAGTGTGATAACTATCTACGCTTGTGGTTCTCCACCAGGTAACCTTCAGCAATGGAGGTTCGCTGGAGCTCATAA
ATGTCTCTCCTCAGCGAGGACAGCTTTTTGAACGTTTGATCTCAAATCAGGTAGG

Thelephoraceae sp. 13. Molecular sample BH1171F. Root tips.
GATCATTACCGAATTGTCAACACGGGTTGTTGCTGGTCCTCAAACGGGGGCATGTGCACACTCTGTTCACACATCCACT
CACACCTGTGCACCCTCTGTAGTTCTATGGCCTGGAGGGACTCTGTTCCTCCTGCTGTGGTTCTGCATCTTTACACACA
CACTGTAATGAAGTTTTATGGAATGTATGCCGCGTTTAACGCAATACAATACAACTTTCAGCAACGGATCTCTTGGCTC
TCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACG
CACCTTGCGCCCTTTGGCCATTCCGAAGGGCATGCCTGTTTGAGTATCATGAACACCTCAACTCTCGCGGTTTGCCGTG
ATGAGCTTGGACTTTGGGGGTCTTGCTGGCCTGTGGTCGGCTCCTCTAAAATGAATCAGCTTACCAGTGTTTGGTGGCA
TCGCAGGTGTGATAACTATCTACGCTTGTGGTTCTACACCAGGTAACCTTCAGTGATGGAGGTTCGCTGGGGCTCACAA
ATGTCCCTCCTCAGCGAGGACAGCTTTTTTAACGTTTGATCTCAAATCAGGTAGG

Tricholoma sp. 1. Molecular sample BH3434R. Sporocarp specimen voucher=T1162.
GaTCaTtaTTGAAAAAAGTGGGTAGGGTTTTCTGGCCCTAGGGGGAAGTGCACGCCCGACACCCATCTCTTTTCCCCCC
GTGCACACTTTGTAGACCCTGGAATCTCTCGAGGGAAATCGGGAAAGAGGGCCCTCGGGTGTTTAAAAGCAAGCTTTCC
TTCACTTTCCGGCCCTATGTCTTTTACATACACCCCTTGGATGTTTCTGAAAGGATATTTTTTTGGGTTTTTGAGTGCC
AAAAAAACTTAATCCACTTTTCACAAAGGATTTTTTGGGTTTTGGATTGGTGAAGAACGCAAGGAAATTGGATAAGTAA
AGTGAATTGCCGAATTCCAGGAATTCTTGGATTTTTGAACGCCCCCTGCGGTCCCTGGTTTTTCGAGGGGCCAGCCCGG
TTGAGGGTCCAGAAATTTTTCACCTTTTTAAGTTTGGTTTTGCAAAGGTGATAAAGGGTTGGAAGGGGGAGCCTTTCTG
CTGGCTTTTTTTAACCAAAGGGTCAGCTCTCCTTAAATTTATTAGTGGGTCATCTGTTGCCTTACATTTTGGTGTGATA
ATTATCTACGCCACTGTGAAGTAGCTTTTTTGGTACCGCTTTCAAACCGTCTCTTATGAGAGACAAATTTTGACAATTG
ACCTCAAATCATGTAG

Tricholoma sp. 2. Molecular sample BH3567R. Sporocarp specimen voucher=T1285.
GATCatTATATAGTATGCtCGGGGTGGGTTGTCGGGGTCTCTGCAGCACGTGCACACGCGAGGGACCACCATCTTACC
ACATGTGCGCACTTTGTAGACACGGATATCTCTCGAGAGGAGTCTGTGTTGAGGAGTGTTGTGTGCACACGCGCTTTTT
CCGCACATTTGCTGTATGTGTTTATATATACCCCTACACATGTTTTAGAATGTCATTAACGGGCTTAACTGCCTTTAAA
TCTATACAACTTTCAACAACGGATCTCTTGGCTCTTGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAAT
TGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTG
TCATGAAATTCTCAAACCTTTTCAGCATTTATGTTGATCAGGCTTGGATGTGGGAGTTTGCGGGCTTCTCAGAAGTCGG
CTCTCCTTAAATACATTAGCGGGACCTTTGTTGCCCAGCTTTAGTGTGATAATTATCTACGCTATTGTTGGGAGCAGCT
TTTAATGGGGTACAGCTTCTAATTGTCTCATTTGAGACAACTTTTGACAATTGACATCAAATCATGTAGG

Tricholoma sp. 3. Molecular sample BH2115F. Sporocarp specimen voucher=T934.
GATCATTATTGAATAAATTTGGTTGGGTTGTTGCTGGCCTCTCGGGGCATGTGCACGCCTGGCACCATTTTTACCACCT
GTGCACCCTTTGTAGACCCGGGAATAGGATCCGCTGTTAAAGCTTTCCTTGCATTCCCGGTCTACGTCTTTACATACCC
CACAAGCATGTAATAGAATGTCATTAATTGGCCTCTGTGCCTTTAAATCAAATACAACTTTCAACAACGGATCTCTTGG
CTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGA
ACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTCTCAACCTTTCCTGCTTTTAT
TAGCTGGGCAAGGCTTGGATGTGGGGGTCTGCAGGCTTCTCAGAAGTCAGCTCTCCTTAAATGCATTAGCGGAACCTTT
GTCGACCAGCCCTGGTGTGATAATTATCTATGCCATTGTGAAGCGACTTTAAATGGGGTTTGGCTTCTAATCGTCCTTT
ACAAGGACARCCTTTTTGACATTTGACCTCAAATCAGGTAGG

Tricholoma sp. 5. Molecular sample BH1645F. Sporocarp specimen voucher=T624.
GATCATTATTGAATAAGCTTGGTTGGGTTGTTGCTGGCTCTCCGGAGCATGTGCACGCCCGACAAACCAACCTTTTACC
ACCTGTGCACCTTTTGTAGACCTGGATATCTCTCGAGGAAACTCGGTTTTGAGGATTGCCGTGCGTAAGCCGGCTTTCC
TTGCACTTCCGGTCTATGTTTTTATATACCCCTACACATGTTTTAGAATGTCATTAACGGGCTTAACTGCCTTTAAATC
TATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTG
CAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTC
ATGAAATTCTCAAACCTTTTCAGCATTTATGTTGATCAGGCTTGGATGTGGGAGTTTGCGGGCTTCTCAGAAGTCGGCT
CTCCTTAAATACATTAGCGGGACCTTTGTTGCCCAGCTTTAGTGTGATAATTATCTACGCTATTGTTGAGTGCGGCTTT
TAATGGGGTACAGCTTCTAATCGTCTCGTTTGAGACAACTTCTKRACAATTKGACCTCAAATCAGG

Tricholoma sp. 6. Molecular sample BH994F. Sporocarp specimen voucher=T489.
GATCATTATTGAATAAGCTTGGTTGGGTTGTTGCTGGCTCTTCGGGGCATGTGCACGCCTAACACCAATCTTTCTTTTT
ACCACCTGTGCACCTTTTGTAGACCTGGATATCTCTCGAGGAAACTCGGTATGAGGACTGCTGTGCGTCAAAGCCGGCT
TTCTTTACATTTCCGGTCTATGTCTTTATATACACCATCAGCATGTCTATGAATGTTTTATTATCGGACTTGATTGTCC
AATAAACCTTATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGT
TTGAGCGTCATGAAATTCTCAACCTTCTCAACTTTTGTTTGAAAGTTGAGTTAGGCTTGGACGTGGGAGTTTGCTGGCT
TCTCTCAGAAGTCCGCTCTCCTTAAATTCATTAGTAGGACCTCTGTTGCCTTACCTTTTGGTGTGATAATTATCTACGC
CATTATGTGAAGCATCTTTATAGTTGGGGTTACTGCTCTCTAACCGTCTCTGATGAGACAATTTCTGACAATTTGACCT
CAAATCAGGTAGG

Tricholoma sp. 7. Molecular sample BH3222F. Root tips.
AGTTGCTGGTCCTTTAGGGGACAAACCCGTGCACGTCTTTCCTGTCCATTGCTTTCACCCCTGTGCACCACTTGTAGGC
TGAGAAATCAGTCTATGTCTTTTTATCACCCACACTTTTTATATCTTGAATGTACATCTGCTTGAAATATAGCAACAAA
AATCATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAA
TTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGAATTCCGAGGAGCATGCCTGTTTGAGT
GTCATGAAACCTCTCAAATCTCATTGATTGACTAGTCGTTGAGGTTTGGATTGTGGAGTGTGCTGGAAAAGTGAGAATC
TCTCTTGCCGGCTCCTCTGAAATGCATCAGCAAAAGCCTTCACCACAGAAAGATCGCTTAGCTATTGGTTTGATAATCT
TTTGTCTATGCCATGGTTATTTGCATCCTTGTCGGTGTAAGATTTGCTTACAATCTTATTTCTGATATTTTGACCTCAA
ATCAGGTAGG

Tricholoma sp. 8. Molecular sample BH2039R. Sporocarp specimen voucher=T822.
GATCATTATCGAAAAAGGGGAAAGGCTGTTGCTGGTCCTCTCGAGGACAACCTGTGCACGCCTTTTCTATTCATCGTTT
TTACACCTGTGCACCACTTGTAGGCTGAGAAATCAGTCTACGTCTTTTCATCATACACACTTCTTTACTTTGAATGTAT
ACCTGCTTGAAATACAGCAAAAAAAAATCATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGC
AGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTA
TTCCGAGGAGCATGCCTGTTTGAGTGTCATGAAACCTCTCAATCCTCATGGCTGACCAGTCTCTGAGGGTTGGATTGTG
GAGTGTGCTGGAAAAAGGGAGGATCTCTCTCACCGGCTCCTCTGAAATGCATTAGCGAAATCTTGACCACAGGAAAACT

GCTTAGCTTTTTTGGTTTGATAATCTTTTTGTCTACGCCATGGCTATTTGCATCCTTGTCGGTGTGAGGTTTGCTTACA
ATCCTATTCTTGATATTTGACCTCAAATCATGTACGA

Tricholoma sp. 9. Molecular sample BH3199F. Root tips.
GATCATTACCGAATTCAMTCGAGGKTGTGCTGGTKSTCACTAGCTGCGMGCCTGCCTCTCATTCTGTCACWCCCGTCKT
GCMCCYTGWGAGCATCTGGGATCTACTTGTGCGAACTCCCCCCSTTTACGTAGCCCTTTTGGGCTATGGGGSTTCGCGG
GCCGGKCTATTTCATACACCCGGATCAGTATTCAGAACGTCTTCTGCAGAAATGCWTATTACAATAACCATAACTTTCR
ACWWCGGATCTCTTGGTTCTCGCATCGRTCAAGAACGCWGCGAAATGYKATAAGTAATGTGAATTGSAGAATTCAGTGA
ATCATCAAATCTYTGAACGCACCTWGCGCTCCTTGGTATTCCAAGGAGCATGCCTGTTCGAGTGTCAAGAAACTCTCAA
ACCGCATCTTTGTYGATGTCGGGCTTGGACTTGGACGTTGCTGGGTTGACGCCCGGCTCGTCTCAAATGCATTAGCTGA
CTCTCCCGACNTCAGTTTTCGGCGTGATAATCACATCTACNGNCGATGCCKCAAGGCGCTNGGCATCGAGATGCAAAGC
GGCTCANNATCGTCTTCTTATGGACAAATCTTCATCACANTTNGGNCTCNNATCANGTAGG

Tricholoma sp. 10. Molecular sample 1706F. Sporocarp specimen voucher=T728.
GATCATTATTGAATAAGCTTGGTTGGGTTTGTTGCTGGCTCTTCTGGGGCATGTGCACGCCTAACGCCAATCTTTTTAC
CACCTGTGCACCTTTTTGTAGACCTGGATATCTTTCGAGGAAACTCGGTATGAGGACTGCTGTGCGTCAGAGCCGGCTT
TCCTTACATTTCCGGTCTATGTCTTTTTATATACCACCATTAGTATGTCTATGAATGTTTATTTATCGGACTTGATTGT
CCAATAAACCTTATACAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCT
GTTTGAGTGTCATGAAATTCTCAACCCTTTCAGCTTTTCTAAGTTGATTGGGCTTGGACGTGGGAGTTTGCTGGCTTCT
TTGAAGTCGGCTCTCCTTAAATTCATTAGTAGGACCTCTGTTGCCTTAGCTTTTTGGTGTGATAATTATCTACGCCATT
AATGTGAAGCAGCTTTAAATTGGGGGCTACTGCTTTCTAACAGTCTCTGATGGGACAACTTCTGACAATTTGACCTCAA
ATCAGGTAGG

Tubaria aff. *serrulata*. Molecular sample BH2107P. Sporocarp specimen voucher=T903.
GATCATTATTGAATAAACCTGATGAGTTGTAGCTGGTTCCTTTGGGGACATTGTGCTCGCTTGTCATCTTTATATCTCC
ACCTGTGCACTTTTTGTAGACCTGGATATCTTTCTGAGGCAACTCAGCTTTGAGGACTGCTGCTGTAAAATCAGCTTTC
CTTACATTTCCAGGCCTATGTTTTTCATATACCCCTATTGTATGTAACAGAATGTTTCACTAGGCTTTTAGTGCCTATA
AACTATATACAACTTTCAGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTG
AATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGA
GTGTCATTAAATTCTCAACCTTTTTATTAGCTTTTGCTAGTGAAAGGCTTGGATGTGGAGGTTTTTGCTGGCTTCTAAC
GAGGTCAGCTCCTCTAAAATGTATTAGCGGTACCCGTGTGGAACTGTCTATTGGTGTGATAATATCTATGCCGTGGACA
TCTGCATTAAAATGGGTTATGCTGCTTATAACCGTCCTTATAGGACAGC

Zelleromyces sp. 1. Molecular sample BH3528R. Sporocarp specimen voucher=T1246.
GATCATTATCGTAACAAAAATGTGATGGGCGTGCAAGGGCTGTCGCTGACTCAAAAGGTCGTGCACGCCCGGGTGTTGT
CCCCTCGCATAACAATCCATTTCACCCTCTGTGCATCACCGCGTGGGTTCCCTTCTCGGAGGGGGCTCGCGTTTTCACA
CACAAAACCCCCTTTTAAAAGTGTAGAATGACCTCATGTATGCGTTAACCCGCAATCAATACAACTTTCAACAACGGAT
CTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAA
TCTTTGAACGCACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAAAACCTCAACCTCCTTGG
TTTCTTCTGGAGACCAAAGCAGGCTTGGACTTTGGAGGCCTTTGCTGGCACCTCTCTTTTTGAAGGCCAGCTCCTCTTA
AACAAATTAGCAGGGTCCTCTTTGCTGATCCTCGACGTGTGATAAGATGTTTCCATGTCTTGGTTTCTGGCTCTGTCAC
TTTTGGGACCTGCTTCTAACCGTCTGGACCTTTGCGTTGAGACAACGTTCGAGCAATGTGCCTCCCTTCTCGGGAAGCT
CCCTCGACCCCACGACCCCGTGACCTC

Zelleromyces sp. 2. Molecular sample BH2174F. Sporocarp specimen voucher=T1095.
GATCATTATCGTACAAAATGTGAGGGGCATGCAAGGGCTGTCGCCGATTTCAGTCAGTCGTGCACGCCAGGGTGTGTCC
CCTCACATAAACAATCCATCTTCACCCCTTGTGCATCACCGCGTGGGCTTCCCTCCTCGGAGGGGGGCTTGCGTTTTCA
CACAAACCCCCCCCCTTTTAAAAAGTGTAGAATGAACTCATGTATAATATGCGTTAACCCGCAATCAATACAACTTTCA
ACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGA
ATCATCGAATCTTTGAACGCACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGTGTCGTGAACACCTCAA
CCTCTTTGGTTTCTTCTAAGAGACTGAAGCAGGCTTGGACTTTGGAGGCCTTTGCTGGCAAACGCCAGCTCCTCTTAAA
CAAATTAGCAGGGTCCTCTTTGCCGATCCTCGACGTGTGATAAGATGTTTCCATGTCTTGGTTTCTGGCTCTGTCACCC
TTTGGGACCTGCTTCTAACCGTCTTTGACCCTGTGGTYGAGACAATGTTTTGAGCGTGCGCCTCCCTTCTCGGGAAGGA
GCCCACTTGAACCCAATTGAACCATTGACCTCAAATCGGGTGAGACTACCCGCTGAACTTAAGCATATCATA

Appendix 25

Zelleromyces sp. 3. Molecular sample BH1714P. Sporocarp specimen voucher=T663.

GATCATTATCGTACAAAATGTGAGGGGCATGCAAGGGCTGTCGCCGACACAGTCAGTCGTGCACGCCAGGGTGTGTCCC
CTCACATAACAATCCATCTTCACCCCTTGTGCATCACCGCGTGGGCTCCCTCCTCGGAGGGGGCTTGCGTTTTCACACA
AACCCCCCCTTTTAAAAAGTGTAGAATGAACTCATGTATACGCGTTAACCCGCAATCAATACAACTTTCAACAACGGAT
CTCTTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATACGTAATGTGAATTGCAGAATTCAGTGAATCATCGAA
TCTTTGAACGCACCTTGCGCCCCTTGGTATTCCGAGGGGCACACCCGTTTGAGYGTCGTGAAAACCTCAACCTCCTTGG
TTTCTTCTTGGAGACCAAAGCAGGCTTGGACTTTGGAGGCCTTTGCTGGCAATGCTCTTTTGAAGAGCCAGCTCCTCTT
AAACAAATTAGCAGGGTCCTCTTTGCTGATCCTTGACGTGTGATAAGATGTTTCCATGTCTTGGTTTCTGGCTCTGTCA
CCCTTTGGGACCTGCTTCTAACTGTCTTGACCCTGCGTCGAGACAATGTTTTGAGTGTGTGCCTCCCTTCTCGGGAAGC
CCGCTTGACCCAATCAAACC

Appendix 26 Presence absence matrices of ectomycorrhizal sporocarp and root tip fungal OTUs for the study plots (all OTUs, including singletons).

A26.1 Presence absence matrix for the combined data (root tip and sporocarp) set.

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Agaricales sp. 1	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Agaricales sp. 2	1	0	0	1	0	0	0	0	0	0	0	0	**2**
Agaricales sp. 3	0	1	0	0	0	0	0	0	1	0	0	0	**2**
Agaricales sp. 4	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Agaricales sp. 5	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Alnicola sp. 1	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Amanita sp. 1	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Amanita sp. 2	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Amanita sp. 3	1	0	1	1	0	0	0	0	1	0	0	0	**4**
Amanita sp. 4	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Amanita sp. 5	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Arcangeliella sp. 1	0	0	0	1	1	0	0	0	0	0	0	1	**3**
Artomyces sp. 1	1	1	0	1	0	1	1	0	0	1	1	1	**8**
Artomyces sp. 2	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Ascocoryne sp. 1	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Ascomycete sp. 1	1	0	0	0	0	0	1	0	1	0	0	0	**3**
Ascomycete sp. 2	1	0	0	0	0	0	0	1	0	0	0	0	**3**
Ascomycete sp. 3	1	0	1	0	0	0	0	0	0	0	0	0	**2**
Ascomycete sp. 6	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Ascomycete sp. 8	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Ascomycete sp. 9	0	0	1	0	1	1	1	0	0	0	0	0	**4**
Ascomycete sp. 10	0	0	0	0	0	0	0	0	1	0	1	0	**1**
Ascomycete sp. 20	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Ascomycete sp. 21	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Ascomycete sp. 30	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Ascomycete sp. 31	0	1	0	0	0	1	0	0	0	0	0	0	**2**
Basidiomycete sp. 1	0	0	0	0	0	0	1	0	0	0	0	0	**1**
Basidiomycete sp. 2	0	0	0	0	0	0	0	0	1	1	0	0	**1**
Basidiomycete sp. 3	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Basidiomycete sp. 5	0	1	0	1	0	0	0	0	0	0	0	0	**2**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Basidiomycete sp. 6	0	0	0	0	0	0	1	0	0	0	0	0	**1**
Basidiomycete sp. 7	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Basidiomycete sp. 8	0	0	0	0	0	0	0	1	0	0	0	0	**2**
Basidiomycete sp. 10	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Basidiomycete sp. 11	0	0	0	0	0	0	1	0	0	0	0	0	**1**
Basidiomycete sp. 12	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Basidiomycete sp. 14	0	0	0	0	0	1	0	0	1	0	0	0	**1**
Boletaceae sp. 2	0	1	1	0	1	0	0	0	0	0	0	0	**3**
Boletaceae sp. 3	1	1	0	0	0	0	0	0	0	0	0	0	**2**
Boletaceae sp. 4	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Boletaceae sp. 5	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Boletaceae sp. 6	0	0	1	1	0	0	0	0	1	0	0	1	**4**
Cantharellales sp. 1	0	0	0	0	0	0	0	0	1	1	1	0	**3**
Cenococcum geophilum	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Clavariaceae sp. 1	0	0	0	0	0	1	0	1	0	0	0	0	**2**
Clavariaceaa sp. 2	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Clavariaceae sp. 3	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Clavariaceae sp. 4	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Clavariaceae sp. 5	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Clavulina sp. 1	1	1	0	0	0	0	0	0	0	0	0	0	**2**
Clavulina sp. 3	0	0	0	1	0	0	0	0	0	0	1	0	**2**
Clavulina sp. 4	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Clavulina sp. 5	0	0	1	1	0	0	0	0	0	0	0	0	**2**
Clavulina sp. 6	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Clavulina sp. 7	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Cortinariaceae sp. 1	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Cortinariaceae sp. 2	0	0	0	0	0	0	0	0	1	0	0	1	**1**
Cortinariaceae sp. 3	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinariaceae sp. 5	0	0	0	0	0	0	0	0	1	0	1	0	**1**
Cortinariaceae sp. 6	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Cortinariaceae sp. 7	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinariaceae sp. 8	1	0	0	1	0	0	0	0	0	0	0	0	**3**
Cortinariaceae sp. 10	0	0	0	0	0	1	1	0	0	0	0	0	**3**
Cortinariaceae sp. 13	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinariaceae sp. 14	0	0	1	0	0	0	0	0	0	0	0	0	**2**
Cortinariaceae sp. 16	0	0	0	0	0	0	1	0	0	0	0	0	**1**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Cortinariaceae sp. 53	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius aff. *ardesiacus*	0	0	0	0	0	0	0	0	0	1	1	0	**2**
Cortinarius aff. *australis*	0	1	0	0	0	0	0	1	1	1	0	1	**5**
Cortinarius aff. *cannarius*	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Cortinarius aff. *fragilis*	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius aff. *infractus*	0	0	0	0	0	0	0	0	1	0	1	0	**2**
Cortinarius aff. *persicanus*	0	0	0	0	0	0	1	1	0	0	0	0	**2**
Cortinarius aff. *rotundisporus*	0	1	1	1	0	0	0	0	1	1	1	1	**7**
Cortinarius aff. *sclerophyllarum*	1	1	1	1	0	0	0	0	0	1	0	0	**5**
Cortinarius aff. *submagellanicus*	0	0	0	1	1	0	1	0	0	1	1	1	**6**
Cortinarius aff. *tasmacamphoratus*	1	0	1	1	0	0	0	0	1	1	0	0	**5**
Cortinarius aff. *walkeri*	0	0	0	0	1	1	0	0	0	0	0	1	**3**
Cortinarius sp. 1	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 2	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 3	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 4	0	0	0	0	0	1	0	1	1	0	0	0	**2**
Cortinarius sp. 5	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Cortinarius sp. 6	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 7	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 8	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 9	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 10	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 11	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinarius sp. 12	0	0	0	1	0	0	0	0	0	1	0	0	**3**
Cortinarius sp. 13	0	0	0	0	0	0	0	0	1	0	1	1	**2**
Cortinarius sp. 14	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 15	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 16	1	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 17	0	0	1	1	0	0	0	0	0	0	0	0	**2**
Cortinarius sp. 19	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 20	0	0	0	0	0	0	1	0	1	0	0	0	**1**
Cortinarius sp. 21	0	0	0	0	0	0	0	0	0	1	0	0	**2**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Cortinarius sp. 22	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 24	0	0	0	0	0	0	0	1	1	0	0	0	**1**
Cortinarius sp. 25	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Cortinarius sp. 26	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Cortinarius sp. 27	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 28	0	0	0	0	0	1	0	0	1	0	0	0	**1**
Cortinarius sp. 29	0	0	0	0	0	0	0	0	1	1	0	0	**1**
Cortinarius sp. 30	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 31	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 32	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 33	0	0	0	1	0	0	0	0	0	1	0	0	**2**
Cortinarius sp. 34	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 35	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 36	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 37	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 38	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 39	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinarius sp. 40	0	0	1	0	0	0	0	0	0	0	0	0	**2**
Cortinarius sp. 41	1	0	0	0	0	0	0	0	0	0	0	1	**2**
Cortinarius sp. 43	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 44	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 45	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 46	1	0	0	1	0	0	0	0	0	0	1	1	**4**
Cortinarius sp. 48	0	0	0	0	0	0	0	0	1	1	0	0	**1**
Cortinarius sp. 49	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 50	0	0	0	0	0	0	0	0	1	0	0	1	**1**
Cortinarius sp. 51	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 52	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 53	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Cortinarius sp. 54	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 55	0	0	0	0	0	1	0	0	1	0	0	0	**1**
Cortinarius sp. 56	0	0	1	1	0	0	0	0	0	0	1	1	**3**
Cortinarius sp. 58	0	0	1	0	0	0	0	0	0	1	1	1	**4**
Cortinarius sp. 59	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 60	1	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 61	0	0	0	0	0	0	0	0	0	0	1	0	**1**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Cortinarius sp. 62	0	0	0	1	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 63	0	0	0	0	1	0	0	0	1	0	0	1	**2**
Cortinarius sp. 64	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Cortinarius sp. 65	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 66	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 67	1	0	1	0	0	0	0	0	1	1	0	0	**3**
Cortinarius sp. 68	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 69	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 70	1	0	1	0	0	0	0	0	1	1	0	0	**4**
Cortinarius sp. 71	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 72	1	0	0	1	0	0	0	0	0	0	0	0	**3**
Cortinarius sp. 73	0	0	0	0	0	0	0	0	1	1	0	0	**1**
Cortinarius sp. 74	0	0	0	0	0	0	0	1	0	0	1	0	**2**
Cortinarius sp. 78	0	0	0	0	0	0	1	0	0	0	0	0	**2**
Dermocybe aff. *globuliformis*	0	0	1	0	0	0	0	0	1	0	1	1	**3**
Dermocybe kula	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Dermocybe sp. 1	0	0	0	0	1	1	0	0	1	1	1	0	**5**
Dermocybe sp. 2	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Dermocybe sp. 3	0	0	0	0	0	0	0	0	1	0	1	0	**1**
Dermocybe sp. 4	0	0	0	0	1	0	1	1	0	0	1	1	**5**
Dermocybe sp. 5	0	0	0	0	0	0	0	0	0	0	0	1	**2**
Dermocybe sp. 6	0	0	0	0	0	0	0	0	1	0	1	0	**1**
Dermocybe sp. 7	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Dermocybe sp. 8	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Descolea recedens	0	1	1	1	1	1	1	0	1	1	1	0	**9**
Descomyces aff. *albus*	0	0	0	0	0	1	0	1	0	0	0	0	**2**
Ectomycorrhizal sp. 1	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Ectomycorrhizal sp. 2	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Elaphomyces sp. 1	0	0	1	0	0	0	0	0	1	1	0	1	**4**
Entoloma sp. 1	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Entoloma sp. 2	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Entoloma sp. 3	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Entomoataceae sp. 1	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Entolomataceae sp. 2	0	1	0	1	0	0	0	0	0	0	0	0	**2**
Entolomataceae sp. 3	1	0	0	0	0	1	0	0	0	0	0	1	**3**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Entolomataceae sp. 4	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Fungal sp. 1	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Fungal sp. 2	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Fungal sp. 3	0	0	1	1	0	0	1	0	1	1	0	0	**5**
Fungal sp. 4	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Fungal sp. 5	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Fungal sp. 6	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Fungal sp. 7	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Helotiales sp. 1	1	1	1	1	1	1	0	0	1	0	1	0	**8**
Helotiales sp. 2	0	0	0	0	1	0	0	0	0	1	0	0	**2**
Helotiales sp. 3	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Helotiales sp. 4	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Helotiales sp. 5	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Helotiales sp. 7	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Helotiales sp. 8	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Helotiales sp. 9	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Helotiales sp. 10	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Helotiales sp. 11	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Hydnum sp. 1	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Hydnum umbilicatum	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Hysterangiales sp. 1	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Hysternagiales sp. 2	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Inocybaceae sp. 1	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Inocybe sp. 1	0	0	0	0	0	1	0	0	0	1	0	0	**2**
Inocybe sp. 2	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Inocybe sp. 5	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Inocybe sp. 6	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Laccaria sp. 1	1	1	1	1	1	1	1	1	1	1	1	1	**12**
Laccaria sp. 2	0	0	0	0	0	0	1	0	0	0	0	0	**1**
Laccaria sp. 3	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Laccaria sp. 4	0	1	1	1	0	0	0	0	0	1	0	0	**4**
Laccaria sp. 5	1	1	1	1	1	1	1	1	0	0	1	1	**10**
Lactarius sp. 1	0	0	1	1	1	1	1	1	1	1	1	1	**10**
Mucoromycete sp.1	1	0	0	0	0	0	0	0	0	0	0	0	**1**
Lycoperdon sp. 1	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Oidiodendron sp. 1	0	0	0	0	0	0	0	0	0	0	0	1	**1**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Peniophorella sp. 1	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Pezizales sp. 2	0	0	0	0	1	1	0	0	0	0	0	0	**2**
Pezizales sp. 3	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Ramaria sp. 1	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Russula persanguinea	1	0	1	1	1	1	0	1	1	1	1	1	**10**
Russula sp. 1	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Russula sp. 2	0	0	0	0	1	1	0	0	0	0	0	0	**2**
Russula sp. 3	1	1	0	0	0	0	0	0	0	0	0	1	**3**
Russula sp. 5	0	0	0	0	0	1	1	1	0	0	0	0	**3**
Russula sp. 6	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Russula sp. 7	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Russula sp. 9	1	1	0	1	0	0	0	0	1	0	0	0	**4**
Russula sp. 15	0	0	0	0	1	1	0	1	0	0	0	0	**3**
Russula sp. 16	1	0	0	0	0	0	0	0	0	0	1	1	**3**
Russula sp. 17	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Russula sp. 19	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Russulaceae sp. 1	0	0	0	0	1	1	0	1	0	0	0	0	**3**
Russulaceae sp. 2	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Russulaceae sp. 3	0	0	0	1	1	0	0	0	0	0	0	0	**2**
Russulaceae sp. 4	0	0	0	1	0	0	0	0	0	0	0	1	**2**
Russulaceae sp. 8	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Russulaceae sp. 10	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Russulaceae sp. 11	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Russulaceae sp. 12	0	0	0	0	1	1	0	0	0	0	1	0	**3**
Sebacina sp. 1	0	0	0	0	0	0	0	1	0	1	0	0	**2**
Sebacina sp. 2	0	0	1	1	1	0	0	0	0	1	0	0	**4**
Sebacina sp. 3	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Sebacinaceae sp. 1	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Setchelliogaster sp.	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Thelephoraceae sp. 1	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Thelephoraceae sp. 2	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Thelephoraceae sp. 4	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Thelephoraceae sp. 5	0	0	0	1	0	0	0	0	0	1	0	0	**3**
Thelephoraceae sp. 6	0	1	0	1	1	0	0	0	0	0	0	1	**4**
Thelephoraceae sp. 7	1	0	0	0	0	0	0	0	0	1	0	0	**3**
Thelephoraceae sp. 8	1	0	0	1	0	0	0	0	0	0	0	0	**2**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Thelephoraceae sp. 9	0	0	0	0	1	0	0	0	1	0	0	0	**1**
Thelephoraceae sp. 10	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Thelephoraceae sp. 11	0	0	0	0	0	0	0	0	1	1	0	0	**1**
Thelephoraceae sp. 12	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Thelephoraceae sp. 13	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Tricholoma sp. 1	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Tricholoma sp. 2	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Tricholoma sp. 3	1	0	0	0	0	0	0	0	1	0	0	0	**1**
Tricholoma sp. 5	0	0	0	0	0	0	0	0	0	0	1	0	**2**
Tricholoma sp. 6	0	0	0	0	0	0	0	0	1	0	0	1	**1**
Tricholoma sp. 7	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Tricholoma sp. 8	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Tricholoma sp. 9	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Tricholoma sp. 10	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Tubaria aff. *serrulata*	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Zelleromyces sp. 1	0	1	0	1	1	1	1	1	0	0	0	0	**6**
Zelleromyces sp. 2	1	0	0	1	1	1	1	1	0	0	0	0	**6**
Zelleromyces sp. 3	1	1	0	0	0	0	0	0	0	0	0	0	**2**
ECM OTU richness per plot	**32**	**32**	**35**	**53**	**38**	**33**	**22**	**29**	**62**	**44**	**57**	**51**	

A26.2 Presence absence matrix of ECM fungal OTUs for the root tip data.

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Agaricales sp. 3	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Agaricales sp. 5	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Ascomycete sp. 1	1	0	0	0	0	0	1	0	1	0	0	0	**3**
Ascomycete sp. 3	1	0	1	0	0	0	0	0	0	0	0	0	**2**
Ascomycete sp. 6	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Ascomycete sp. 8	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Ascomycete sp. 10	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Ascomycete sp. 20	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Ascomycete sp. 21	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Ascomycete sp. 30	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Basidiomycete sp. 2	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Basidiomycete sp. 3	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Basidiomycete sp. 5	0	1	0	1	0	0	0	0	0	0	0	0	**2**
Basidiomycete sp. 7	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Basidiomycete sp. 8	0	0	0	0	0	0	0	1	1	0	0	0	**2**
Basidiomycete sp. 10	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Basidiomycete sp. 11	0	0	0	0	0	0	1	0	0	0	0	0	**1**
Basidiomycete sp. 12	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Basidiomycete sp. 14	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Boletaceae sp. 6	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Cantharellales sp. 1	0	0	0	0	0	0	0	0	1	1	1	0	**3**
Cenococcum geophilum	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Cortinariaceae sp. 2	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Cortinariaceae sp. 3	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius aff. *cannarius*	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius aff. *rotundisporus*	0	1	0	1	0	0	0	0	0	0	0	0	**2**
Cortinarius aff. *sclerophyllarum*	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Cortinarius aff. *tasmacamphoratus*	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinarius sp. 2	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 11	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinarius sp. 12	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 21	0	0	0	0	0	0	0	0	1	1	0	0	**2**
Cortinarius sp. 27	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 28	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Cortinarius sp. 29	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinarius sp. 40	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 41	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 46	0	0	0	1	0	0	0	0	0	0	0	0	**1**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Cortinarius sp. 49	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 56	0	0	1	1	0	0	0	0	1	0	1	0	**4**
Cortinarius sp. 58	0	0	1	0	0	0	0	0	0	1	1	0	**3**
Cortinarius sp. 61	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 63	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 64	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 67	1	0	0	0	0	0	0	0	0	1	0	0	**2**
Cortinarius sp. 68	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 70	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinarius sp. 71	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 72	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 73	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinarius sp. 74	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Dermocybe sp. 1	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Dermocybe sp. 8	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Descolea aff. *recedens*	0	1	1	1	1	1	1	0	1	1	1	0	**9**
Descomyces aff. *albus*	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Ectomycorrhizal sp. 1	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Ectomycorrhizal sp. 2	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Elaphomyces sp. 1	0	0	0	0	0	0	0	0	0	1	0	1	**2**
Entolomataceae sp. 2	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Entolomataceae sp. 3	1	0	0	0	0	1	0	0	0	0	0	1	**3**
Entolomataceae sp. 4	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Fungal sp. 1	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Fungal sp. 2	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Fungal sp. 3	0	0	1	1	0	0	0	0	1	1	0	0	**4**
Fungal sp. 4	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Fungal sp. 5	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Fungal sp. 6	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Fungal sp. 7	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Helotiales sp. 1	1	1	1	1	1	1	0	0	1	0	1	0	**8**
Helotiales sp. 2	0	0	0	0	1	0	0	0	0	1	0	0	**2**
Helotiales sp. 3	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Helotiales sp. 4	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Helotiales sp. 5	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Helotiales sp. 7	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Helotiales sp. 8	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Helotiales sp. 9	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Helotiales sp. 10	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Helotiales sp. 11	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Inocybe sp. 1	0	0	0	0	0	1	0	0	0	1	0	0	**2**
Inocybe sp. 2	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Laccaria sp. 1	0	1	0	1	1	1	1	1	0	1	1	0	**8**
Laccaria sp. 2	0	0	0	0	0	0	1	0	0	0	0	0	**1**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Laccaria sp. 3	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Laccaria sp. 4	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Laccaria sp. 5	0	1	1	0	0	0	1	0	0	0	0	1	**4**
Lactarius sp. 1	0	0	1	1	1	0	1	0	1	0	1	0	**6**
Mucoromycete sp.1	1	0	0	0	0	0	0	0	0	0	0	0	**1**
Oidiodendron sp. 1	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Pezizales sp. 3	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Ramaria sp. 1	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Russula persanguinea	1	0	1	1	0	1	0	1	1	1	1	1	**9**
Russula sp. 2	0	0	0	0	1	1	0	0	0	0	0	0	**2**
Russula sp. 5	0	0	0	0	0	0	1	1	0	0	0	0	**2**
Russula sp. 6	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Russula sp. 7	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Russula sp. 9	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Russula sp. 16	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Russula sp. 17	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Russulaceae sp. 1	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Russulaceae sp. 4	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Sebacina sp. 1	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Sebacina sp. 2	0	0	1	1	1	0	0	0	0	1	0	0	**4**
Sebacina sp. 3	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Sebacinaceae sp. 1	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Thelephoraceae sp. 1	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Thelephoraceae sp. 2	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Thelephoraceae sp. 4	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Thelephoraceae sp. 5	0	0	0	1	0	0	0	0	1	1	0	0	**3**
Thelephoraceae sp. 6	0	1	0	1	1	0	0	0	0	0	0	1	**4**
Thelephoraceae sp. 7	1	0	0	0	0	0	0	0	1	1	0	0	**3**
Thelephoraceae sp. 8	1	0	0	1	0	0	0	0	0	0	0	0	**2**
Thelephoraceae sp. 9	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Thelephoraceae sp. 10	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Thelephoraceae sp. 11	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Thelephoraceae sp. 12	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Thelephoraceae sp. 13	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Tricholoma sp. 7	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Tricholoma sp. 9	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Zelleromyces sp. 3	1	0	0	0	0	0	0	0	0	0	0	0	**1**
Zelleromyces sp. 1	0	0	0	0	1	1	1	0	0	0	0	0	**3**
ECM root tip richness per plot	**10**	**15**	**18**	**21**	**15**	**14**	**9**	**7**	**22**	**30**	**20**	**17**	

A26.3 Presence absence matrix of ECM fungal OTUs for the sporocarp data.

OTU	Plot												Total no. plots
	1	2	3	4	5	6	7	8	9	10	11	12	
Agaricales sp. 1	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Agaricales sp. 2	1	0	0	1	0	0	0	0	0	0	0	0	**2**
Agaricales sp. 4	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Alnicola sp. 1	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Amanita sp. 1	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Amanita sp. 2	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Amanita sp. 3	1	0	1	1	0	0	0	0	1	0	0	0	**4**
Amanita sp. 4	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Amanita sp. 5	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Arcangeliella sp. 1	0	0	0	1	1	0	0	0	0	0	0	1	**3**
Artomyces sp. 1	1	1	0	1	0	1	1	0	0	1	1	1	**8**
Artomyces sp. 2	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Ascocoryne sp. 1	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Ascomycete sp. 2	1	0	0	0	0	0	0	1	1	0	0	0	**3**
Ascomycete sp. 9	0	0	1	0	1	1	1	0	0	0	0	0	**4**
Basidiomycete sp. 1	0	0	0	0	0	0	1	0	0	0	0	0	**1**
Basidiomycete sp. 6	0	0	0	0	0	0	1	0	0	0	0	0	**1**
Boletaceae sp. 2	0	1	1	0	0	1	0	0	0	0	0	0	**3**
Boletaceae sp. 3	1	1	0	0	0	0	0	0	0	0	0	0	**2**
Boletaceae sp. 4	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Boletaceae sp. 5	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Boletaceae sp. 6	0	0	1	1	0	0	0	0	1	0	0	1	**4**
Clavariaceae sp. 1	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Clavariaceae sp. 2	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Clavariaceae sp. 3	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Clavariaceae sp. 4	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Clavariaceae sp. 5	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Clavulina sp. 1	1	1	0	0	0	0	0	0	0	0	0	0	**2**
Clavulina sp. 3	0	0	0	1	0	0	0	0	0	0	1	0	**2**
Clavulina sp. 4	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Clavulina sp. 5	0	0	1	1	0	0	0	0	0	0	0	0	**2**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Clavulina sp. 6	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Clavulina sp. 7	0	0	0	0	0	1	0	1	0	0	0	0	**2**
Cortinariaceae sp. 1	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Cortinariaceae sp. 2	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinariaceae sp. 5	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinariaceae sp. 6	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Cortinariaceae sp. 7	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinariaceae sp. 8	1	0	0	1	0	0	0	0	1	0	0	0	**3**
Cortinariaceae sp. 10	0	0	0	0	0	1	1	0	1	0	0	0	**3**
Cortinariaceae sp. 13	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinariaceae sp. 14	0	0	1	0	0	0	0	0	1	0	0	0	**2**
Cortinariaceae sp. 16	0	0	0	0	0	0	1	0	0	0	0	0	**1**
Cortinariaceae sp. 53	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius aff. *ardesiacus*	0	0	0	0	0	0	0	0	0	1	1	0	**2**
Cortinarius aff. *australis*	0	1	0	0	0	0	0	1	1	1	0	1	**5**
Cortinarius aff. *cannarius*	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Cortinarius aff. *fragilis*	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius aff. *infractus*	0	0	0	0	0	0	0	0	1	0	1	0	**2**
Cortinarius aff. *persicanus*	0	0	0	0	0	0	1	1	0	0	0	0	**2**
Cortinarius aff. *rotundisporus*	0	1	1	1	0	0	0	0	1	1	1	1	**7**
Cortinarius aff. *sclerophyllarum*	1	1	0	1	0	0	0	0	0	1	0	0	**4**
Cortinarius aff. *submagellanicus*	0	0	0	1	1	0	1	0	0	1	1	1	**6**
Cortinarius aff. *tasmacamphoratus*	1	0	1	1	0	0	0	0	1	0	0	0	**4**
Cortinarius aff. *walkeri*	0	0	0	0	1	1	0	0	0	0	0	1	**3**
Cortinarius sp. 1	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 3	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 4	0	0	0	0	0	1	0	1	0	0	0	0	**2**
Cortinarius sp. 5	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Cortinarius sp. 6	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 7	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 8	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 9	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 10	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 12	0	0	0	0	0	0	0	0	1	1	0	0	**2**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Cortinarius sp. 13	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Cortinarius sp. 14	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 15	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 16	1	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 17	0	0	1	1	0	0	0	0	0	0	0	0	**2**
Cortinarius sp. 19	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 20	0	0	0	0	0	0	1	0	0	0	0	0	**1**
Cortinarius sp. 22	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 24	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Cortinarius sp. 25	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Cortinarius sp. 26	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Cortinarius sp. 30	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 31	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 32	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 33	0	0	0	1	0	0	0	0	0	1	0	0	**2**
Cortinarius sp. 34	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 35	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 36	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 37	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 38	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 39	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinarius sp. 40	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 41	1	0	0	0	0	0	0	0	0	0	0	1	**2**
Cortinarius sp. 43	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 44	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 45	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 46	1	0	0	1	0	0	0	0	0	0	0	1	**3**
Cortinarius sp. 48	0	0	0	0	0	0	0	0	0	1	0	0	**1**
Cortinarius sp. 50	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 51.	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 52	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 53	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Cortinarius sp. 54	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 55	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Cortinarius sp. 56	0	0	1	0	0	0	0	0	1	0	0	1	**3**
Cortinarius sp. 58	0	0	0	0	0	0	0	0	0	0	0	1	**1**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Cortinarius sp. 59	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Cortinarius sp. 60	1	0	0	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 62	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 63	0	0	0	0	1	0	0	0	0	0	0	1	**2**
Cortinarius sp. 64	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Cortinarius sp. 65	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 66	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 67	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Cortinarius sp. 68	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Cortinarius sp. 69	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 70	1	0	1	0	0	0	0	0	1	0	0	0	**3**
Cortinarius sp. 72	1	0	0	1	0	0	0	0	1	0	0	0	**3**
Cortinarius sp. 74	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Cortinarius sp. 78	0	0	0	0	0	0	1	0	1	0	0	0	**2**
Dermocybe sp. 5	0	0	0	0	0	0	0	0	1	0	0	1	**2**
Dermocybe aff. *globuliformis*	0	0	1	0	0	0	0	0	0	0	1	1	**3**
Dermocybe kula	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Dermocybe sp. 1	0	0	0	0	1	1	0	0	0	0	1	0	**3**
Dermocybe sp. 2	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Dermocybe sp. 3	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Dermocybe sp. 4	0	0	0	0	1	0	0	1	0	0	1	1	**4**
Dermocybe sp. 6	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Dermocybe sp. 7	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Descolea aff. *recedens*	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Descomyces aff. *albus*	0	0	0	0	0	1	0	1	0	0	0	0	**2**
Elaphomyces sp. 1	0	0	1	0	0	0	0	0	1	0	0	0	**2**
Entoloma sp. 1	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Entoloma sp. 2	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Entoloma sp. 3	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Entolomataceae sp. 1	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Entolomataceae sp. 2	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Fungal sp. 3	0	0	0	1	0	0	1	0	0	0	0	0	**2**
Hydnum sp. 1	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Hydnum umbilicatum	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Hysterangiales sp. 1	0	0	0	0	0	0	0	1	0	0	0	0	**1**
Hysterangiales sp. 2	0	0	0	0	0	0	0	0	1	0	0	0	**1**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Inocybaceae sp. 1	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Inocybe sp. 5	0	0	1	0	0	0	0	0	0	0	0	0	**1**
Inocybe sp. 6	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Laccaria sp. 1	1	1	1	1	0	1	1	0	1	0	1	1	**9**
Laccaria sp. 3	0	1	1	1	0	0	0	0	0	1	0	0	**4**
Laccaria sp. 5	1	0	0	1	1	1	1	1	0	0	1	0	**7**
Lactarius sp. 1	0	0	1	1	1	1	1	1	1	1	1	1	**10**
Lycoperdon sp. 1	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Peniophorella sp. 1	0	0	0	1	0	0	0	0	0	0	0	0	**1**
Pezizales sp. 1	0	1	0	0	0	1	0	0	0	0	0	0	**2**
Pezizales sp. 2	0	0	0	0	1	1	0	0	0	0	0	0	**2**
Russula persanguinea	1	0	1	1	1	1	0	0	1	0	1	1	**8**
Russula sp. 1	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Russula sp. 3	1	1	0	0	0	0	0	0	0	0	0	1	**3**
Russula sp. 5	0	0	0	0	0	1	0	0	0	0	0	0	**1**
Russula sp. 9	1	1	0	1	0	0	0	0	0	0	0	0	**3**
Russula sp. 15	0	0	0	0	1	1	0	1	0	0	0	0	**3**
Russula sp. 16	1	0	0	0	0	0	0	0	0	0	1	0	**2**
Russula sp. 17	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Russula sp. 19	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Russulaceae sp. 1	0	0	0	0	1	1	0	1	0	0	0	0	**3**
Russulaceae sp. 2	0	0	0	0	0	0	0	0	0	0	1	1	**2**
Russulaceae sp. 3	0	0	0	1	1	0	0	0	0	0	0	0	**2**
Russulaceae sp. 4	0	0	0	1	0	0	0	0	0	0	0	1	**2**
Russulaceae sp. 8	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Russulaceae sp. 10	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Russulaceae sp. 11	0	0	0	0	1	0	0	0	0	0	0	0	**1**
Russulaceae sp. 12	0	0	0	0	1	1	0	0	0	0	1	0	**3**
Setchelliogaster sp. 1	0	1	0	0	0	0	0	0	0	0	0	0	**1**
Tricholoma sp. 1	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Tricholoma sp. 2	0	0	0	0	0	0	0	0	1	0	0	0	**1**
Tricholoma sp. 3	1	0	0	0	0	0	0	0	0	0	0	0	**1**
Tricholoma sp. 5	0	0	0	0	0	0	0	0	1	0	1	0	**2**
Tricholoma sp. 6	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Tricholoma sp. 8	0	0	0	0	0	0	0	0	0	0	0	1	**1**
Tricholoma sp. 10	0	0	0	1	0	0	0	0	0	0	0	0	**1**

Appendix 26

OTU	Plot												Total no. plots
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
Tubaria aff. *serrulata*	0	0	0	0	0	0	0	0	0	0	1	0	**1**
Zelleromyces sp. 1	0	1	0	1	1	1	1	1	0	0	0	0	**6**
Zelleromyces sp. 2	1	0	0	1	1	1	1	1	0	0	0	0	**6**
Zelleromyces sp. 3	1	1	0	0	0	0	0	0	0	0	0	0	**2**
ECM sporocarp richness per plot	**24**	**19**	**22**	**40**	**24**	**25**	**16**	**22**	**43**	**15**	**41**	**38**	

Appendix 27 Matrix of ectomycorrhizal community proportional composition showing the percentage of species from each family within each plot.

Family	Plot											
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Amanitaceae	3.13	0.00	5.71	5.66	0.00	0.00	0.00	0.00	1.61	0.00	1.75	0.00
Amylostereaceae	3.13	3.13	0.00	1.89	0.00	3.03	4.55	0.00	1.61	2.27	1.75	1.96
Bolbitiaceae	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.96
Boletaceae	3.13	6.25	5.71	5.66	2.63	0.00	0.00	0.00	1.61	0.00	0.00	1.96
Clavariaceae	0.00	0.00	0.00	0.00	0.00	3.03	0.00	13.79	0.00	0.00	1.75	0.00
Clavulinaceae	3.13	3.13	5.71	3.77	0.00	3.03	0.00	3.45	0.00	0.00	1.75	0.00
Corticiaceae	0.00	0.00	0.00	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cortinariaceae	31.25	12.50	34.29	35.85	21.05	27.27	36.36	31.03	54.84	47.73	54.39	50.98
Elaphomycetaceae	0.00	0.00	2.86	0.00	0.00	0.00	0.00	0.00	1.61	2.27	0.00	1.96
Entolomataceae	3.13	9.38	0.00	1.89	0.00	3.03	0.00	3.45	0.00	0.00	1.75	3.92
Gomphaceae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
Helotiaceae	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.27	0.00	0.00
Hydnaceae	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00
Hydnangiaceae	6.25	9.38	8.57	5.66	5.26	6.06	13.64	6.90	1.61	6.82	3.51	3.92
Inocybaceae	0.00	0.00	2.86	0.00	5.26	3.03	0.00	0.00	0.00	2.27	3.51	0.00
Lycoperdaceae	0.00	0.00	0.00	0.00	2.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Russulaceae	18.75	15.63	5.71	15.09	36.84	33.33	18.18	24.14	4.84	4.55	10.53	13.73
Sebacinaceae	0.00	0.00	2.86	1.89	2.63	0.00	0.00	6.90	0.00	6.82	0.00	0.00
Thelephoraceae	6.25	3.13	5.71	5.66	7.89	0.00	0.00	0.00	3.23	6.82	3.51	3.92
Tricholomataceae	3.13	3.13	0.00	1.89	0.00	0.00	0.00	0.00	4.84	0.00	3.51	5.88
Unknown family	18.75	28.13	20.00	13.21	15.79	18.18	27.27	10.34	20.97	18.18	12.28	9.80
Total perccentage	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**

Appendix 28 Bray-Curtis similarity matrices showing similarity in ECM fungal OTU composition for each of the study plots (excluding singletons).

A28.1 Similarity matrix for the combined data set.

		Plot											
		1	2	3	4	5	6	7	8	9	10	11	12
Plot	1												
	2	40.82											
	3	36.36	33.33										
	4	46.15	44.83	53.13									
	5	18.87	30.43	38.46	38.71								
	6	27.45	31.82	28	30	58.33							
	7	22.73	27.03	32.56	30.19	43.9	51.28						
	8	21.28	20	21.74	21.43	40.91	57.14	45.71					
	9	38.71	25.45	49.18	45.07	16.95	21.05	28	22.64				
	10	28.57	28.57	50.91	43.08	30.19	23.53	27.27	21.28	48.39			
	11	24.14	23.53	31.58	29.85	36.36	30.19	30.43	24.49	31.25	37.93		
	12	29.51	25.93	30	34.29	34.48	21.43	24.49	23.08	26.87	29.51	63.49	

A28.2 Similarity matrix for the root tip data.

		Plot											
		1	2	3	4	5	6	7	8	9	10	11	12
Plot	1												
	2	13.33											
	3	33.33	35.29										
	4	28.57	60.00	60.87									
	5	11.76	50.00	42.11	54.55								
	6	37.5	40.00	33.33	38.1	58.82							
	7	13.33	42.86	35.29	30	50	40						
	8	16.67	18.18	14.29	23.53	15.38	33.33	36.36					
	9	38.1	20.00	52.17	53.85	27.27	28.57	30	23.53				
	10	28.57	20.00	34.78	46.15	36.36	38.1	20	23.53	53.85			
	11	22.22	35.29	50.00	43.48	42.11	44.44	35.29	28.57	52.17	34.78		
	12	26.67	28.57	23.53	20.00	12.5	26.67	14.29	18.18	10.00	20.00	35.29	

A28.3 Similarity matrix for the sporocarp data.

		Plot											
		1	2	3	4	5	6	7	8	9	10	11	12
Plot	1												
	2	45.71											
	3	26.32	25.81										
	4	54.17	34.15	45.45									
	5	15.79	6.45	23.53	31.82								
	6	25.64	31.25	28.57	31.11	57.14							
	7	23.53	22.22	26.67	35.00	46.67	51.61						
	8	17.65	14.81	13.33	20.00	46.67	58.06	46.16					
	9	38.10	17.14	57.89	37.50	10.53	20.51	23.53	17.65				
	10	12.90	41.67	22.22	32.43	14.81	14.29	26.09	17.39	25.81			
	11	23.81	17.14	26.32	29.17	36.84	30.77	35.29	17.65	28.57	32.26		
	12	26.67	26.32	29.27	39.22	34.15	19.05	27.03	16.22	31.11	29.41	57.78	

Appendix 29 Bray-Curtis similarity matrix showing similarity in relative richness of ECM fungal families in each of the study plots.

		Plot											
		1	2	3	4	5	6	7	8	9	10	11	12
Plot	1												
	2	69.40											
	3	72.31	51.02										
	4	86.53	64.06	81.9									
	5	65.2	50.16	55.85	60.33								
	6	75.01	56.31	55.54	65.04	75.51							
	7	76.37	56.19	63.61	73.33	56.7	70.58						
	8	72.88	51.5	58.89	66.88	61.06	77.63	69.11					
	9	61.00	39.8	61.38	63.02	39.63	43.93	58.54	44.44				
	10	62.01	38.08	72.64	65.83	51.3	51.85	64.7	57.41	75.03			
	11	69.74	47.67	63.66	71.39	48.99	60.57	65.01	56.74	84.93	74.70		
	12	73.48	57.01	60.83	73.51	51.13	58.03	68.71	57.97	83.13	74.46	84.92	

Appendix 30 Supplementary Analyses of Variance for Chapter 5.

A30.1 One-way ANOVA results for differences in soil and foliage variables among four groups based on health status and understorey type.

Dash indicates a post-hoc (Tukey's test) analysis was not required. Where RF = rainforest, SC = sclerophyll, sd = severe decline and md = moderate decline. Applying the Bonferroni correction variables are significant for $p \leq 0.0036$.

Variable	Median	$F_{1,8}$	P-value	Significant group difference (Tukey's)	
pH	1.71	7.21	**0.01**	SCsd - RFsd	SCsd - RFmd
soil NO_3^- (mg/kg)	1.02	1.34	0.33		
soil NH_4^+ (mg/kg)	4.44	0.23	0.87		
total soil N (%)	0.61	3.9	0.05		
total soil P (mg/kg)	6.09	1.46	0.30		
Soil N:P	1.09	12.37	**0.002**	RFsd - SCmd	RFsd - SCsd
soil organic C (%)	2.21	0.92	0.47		
soil C: N	2.41	2.45	0.14		
foliage N (%)	0.87	1.14	0.39		
foliage P (%)	0.14	3.84	0.06		
foliage N:P	2.44	3.69	0.06		
available NH_4^+ (mg/L)	6.32	5.34	**0.03**	RFsd - SCmd	
available NO_3^- (mg/L)	4.37	2.88	0.10		
available P (ppm)	1.45	2.19	0.17		

Appendix 30

A30.2 One-way ANOVA results testing for differences in soil and foliage variables between understorey type. Significant values are in bold. Applying the Bonferroni correction variables are significant for $p \leq 0.0036$.

Variable	Rainforest (mean)	Sclerophyll (mean)	$F_{1,10}$	P-value
pH	4.13	4.95	9.96	**0.01**
soil NO_3^- (mg/kg)	4.83	1.00	1.78	0.21
soil NH_4^+ (mg/kg)	95.00	96.33	0.003	0.96
total soil N (%)	1.17	0.60	11.83	**0.006**
total soil P (mg/kg)	377.50	568.17	4.76	**0.05**
Soil N:P	1.56	2.79	4.23	0.07
soil organic C (%)	8.38	8.31	0.002	0.96
soil C: N	11.39	11.14	0.006	0.94
foliage N (%)	1.35	1.42	0.57	0.47
foliage P (%)	0.09	0.20	13.41	**0.004**
foliage N:P	7.19	16.36	47.73	**0.0001**
available NH_4^+ (mg/L)	1238.01	349.29	3.92	0.08
available NO_3^- (mg/L)	389.44	84.31	0.10	4.97
available P (ppm)	1.60	8.68	6.08	**0.03**

Appendix 30

A30.3 One-way ANOVA results testing for differences in soil and foliage variables between understorey type within the north-east. Significant values ($p < 0.05$) are in bold. Applying the Bonferroni correction variables are significant for $p \leq 0.0036$.

Variable	Rainforest (mean)	Sclerophyll (mean)	$F_{1,6}$	P-value
pH	4.4	5.3	57.85	**0.0003**
soil NO_3^- (mg/kg)	6.25	1	1.48	0.27
soil NH_4^+ (mg/kg)	101.75	89	0.16	0.7
total soil N (%)	1	0.54	9.57	**0.02**
total soil P (mg/kg)	326	666.75	18.58	**0.005**
Soil N:P	3.23	0.81	54.54	**0.0003**
soil organic C (%)	10	7.9	3.39	0.12
soil C: N	10.66	4.9	1.89	0.22
foliage N (%)	1.47	1.41	1.42	0.28
foliage P (%)	0.09	0.24	26.36	**0.002**
foliage N:P	16.79	6.12	106.42	**0.00005**
available NH_4^+ (mg/L)	1608.47	379.39	4.24	0.09
available NO_3^- (mg/L)	541.81	125.09	3.7	0.1
available P (ppm)	1.69	10.64	5.53	0.06

Appendix 30

A30.3 One-way ANOVA results testing for differences in soil and foliage variables between region. Significant values ($p < 0.05$) are in bold. Applying the Bonferroni correction variables are significant for $p \leq 0.0036$.

Variable	North-east (mean)	North-west (mean)	$F_{1,10}$	P-value
pH	4.8	4	7.83	**0.02**
soil NO_3^-	3.6	1.5	0.43	0.53
soil NH_4^+	95.38	96.25	0.001	0.97
total soil N (%)	0.78	1.1	1.75	0.21
total soil P	496.38	425.75	0.41	0.54
soil N:P	2.02	2.48	0.39	0.55
soil organic C	8.97	7.09	2.32	0.16
soil C:N	12.78	8.24	2.32	0.16
foliage N	1.44	1.27	3.93	0.08
foliage P	0.16	0.12	0.98	0.35
foliage N:P	11.48	11.14	0.01	0.91
available NH_4^+	993.93	393.09	1.29	0.28
available NO_3^-	333.45	43.73	2.41	0.15
available P	6.1	3.1	0.67	0.43