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- 1 **EFFECTS OF LOCAL FOREST CONTINUITY ON THE DIVERSITY OF FUNGI ON STANDING**
- 2 **DEAD PINES**
- 3 Saine Sonja, Aakala Tuomas, Purhonen Jenna, Launis Annina, Tuovila Hanna, Kosonen Timo & Halme
- 4 Panu
- 5 **APPENDIX A.** Supplementary tables (Tables A.1–A.3).

6 **Table A.1.** Study trunk information. The units used for variables are in brackets. AAD and YFD values with  
7 asterisks are rough estimations. Column label abbreviations:  $\phi$  = diameter, AAD = age at death, YFD = years  
8 from death, Bark (%) = fraction of surface without bark cover, Lic. (%) = lichen coverage, Canopy (%) =  
9 canopy openness, Dec = species richness of decomposers, Lic = species richness of lichens, NA = data not  
10 available.

Site	Trunk ID	Height (m)	$\phi$ (cm)	AAD (y)	YFD (y)	Bark (%)	Lic. (%)	Decay stage	Canopy (%)	Species/trunk	
										Dec	Lic
Hallinmäki	1	3.7	14.6	NA	NA	92	88	4	11.7	3	1
	2	7.0	18.1	98	6	94	<1	2	12.7	5	0
	3	13.0	19.3	159	6	96	0	2	9.8	5	0
	4	9.0	13.1	65	60	81	92	2	11.4	1	4
	5	14.0	19.7	201	31	99	97	2	15.5	2	2
Ilmakkämäki	6	11.0	18.5	101	26	86	2	2	12.6	1	1
	7	7.5	13.4	102	23	64	9	2	10.6	4	2
	8	18.0	65.6	NA	NA	100	63	3	15.5	0	3
	9	3.8	43.0	NA	NA	95	87	3	16.4	2	2
	10	12.0	26.4	123	8	77	1	2	22.8	8	1
Kalaja	11	14.0	27.4	136	9	65	<1	2	12.7	6	2
	12	1.4	51.6	NA	NA	99	98	4	23.0	1	5
	13	12.0	28.3	NA	NA	82	72	2	12.5	4	2
	14	1.9	15.0	158	15	29	3	3	17.8	4	3
	15	3.1	34.1	NA	NA	99	84	4	18.0	3	4
Kivetty	16	8.5	15.6	95	27	82	1	2	18.0	8	1
	17	6.2	10.5	97	32	33	37	2	18.7	7	0
	18	7.0	19.4	108	13	94	38	2	17.9	9	1
	19	7.5	19.1	83	31	32	84	2	12.4	10	4
	20	6.5	14.6	108	21	79	27	2	15.4	8	2
Kirkkokangas	21	17.0	57.9	243.5*	44	90	23	3	11.4	7	6
	22	22.0	43.3	314	26	97	9	3	14.3	7	3
	23	20.0	60.2	313.2*	24	83	10	2	11.0	6	3
	24	14.0	40.7	221*	40*	82	99	2	16.7	7	5
	25	15.0	41.4	294	44	78	1	2	16.5	3	1
Kotinen	26	12.0	21.3	202	62	99	92	3	12.5	2	3
	27	3.5	45.2	NA	NA	95	62	4	12.1	3	0
	28	9.0	23.6	NA	NA	94	88	3	11.0	2	0
	29	14.0	29.0	260	30	92	73	3	20.4	3	5
	30	3.7	27.1	248	32	94	95	4	15.3	5	5
Kuusimäki	31	23.0	23.9	132	31	94	21	2	13.1	4	1
	32	12.0	14.3	NA	NA	100	97	3	14.3	5	4
	33	18.0	41.7	165	23	22	12	2	15.9	3	2
	34	23.0	30.4	145	46	64	4	2	14.6	5	2
	35	2.3	24.5	NA	NA	100	72	4	15.6	6	1
Latokuusikko	36	31.0	36.6	144	47	40	1	2	28.5	8	3
	37	27.0	19.1	141	35	53	8	2	19.8	4	4
	38	22.0	25.6	198	39	7	92	2	20.9	6	2
	39	25.0	31.5	184	53	95	60	2	15.0	3	1
	40	18.0	31.5	NA	53	72	2	2	17.3	2	4
Leivonmäki	41	1.3	44.2	NA	NA	100	95	3	17.8	3	2
	42	13.0	22.3	122	21	92	1	2	19.4	5	1
	43	11.0	23.1	115	35	35	57	2	13.5	8	2
	44	13.0	24.2	96	41	25	27	2	9.9	10	1
	45	2.3	36.3	NA	NA	99	87	3	13.7	3	3

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Lortikka	46	2.0	34.1	98	25	68	4	3	35.9	7	3
	47	14.0	19.7	250	40	77	78	2	32.3	6	1
	48	2.8	28.5	NA	26	83	87	3	54.6	4	1
	49	24.0	29.6	150	38	70	NA	3	19.0	4	5
	50	15.0	22.3	121	6	100	NA	2	9.7	3	0
Pyhä-Häkki	51	17.0	29.9	302.9*	27	92	36	2	16.5	5	2
	52	15.0	22.0	265	70	97	42	2	25.6	10	0
	53	16.0	24.2	NA	NA	38	4	2	18.3	4	0
	54	18.0	40.4	312	14	86	28	3	25.6	8	2
	55	6.0	50.6	NA	62	96	47	3	29.6	3	4
Vaarunvuoret	56	14.0	31.2	148*	44*	87	90	2	12.3	5	4
	57	7.5	9.9	NA	NA	26	8	2	11.5	4	3
	58	12.0	22.3	156	24	46	37	2	10.1	3	1
	59	18.0	35.8	130	47	92	73	2	11.7	8	3
	60	6.0	22.9	142	12	42	11	2	13.6	4	2
Vesijako	61	12.0	29.9	99	32	87	4	2	11.8	5	1
	62	12.0	32.5	140	29	58	34	2	12.1	12	4
	63	16.0	36.9	183.7*	6	93	0	2	7.3	5	1
	64	16.0	44.9	189	42	93	87	3	20.3	1	1
	65	18.0	24.2	123	40	97	98	2	11.5	3	7
Vuorilampi	66	1.1	44.6	NA	NA	98	94	4	11.1	6	3
	67	14.0	20.1	77	39	96	83	3	8.9	9	5
	68	8.6	13.7	88	25	92	86	2	16.1	3	6
	69	16.0	24.5	81	23	38	25	2	10.1	4	3
	70	10.0	15.9	85	29	97	43	2	10.0	4	3

13 **Table A.2.** Correlations between variables used in the analyses ( $n_{AAD} = 52$ ,  $n_{YFD} = 55$ , for all others  $n = 70$ ).  
 14 Cells show Spearman rank correlation coefficients, except for cells with superscript P showing Pearson's  
 15 correlation coefficient. Correlations  $> 0.20$  are bolded. Decomposers/trunk and lichens/trunk indicate the  
 16 species richness of the studied fungal groups. Dead wood (DW) diversity was calculated with Shannon's  
 17 diversity index. The units used for variables are in brackets. Abbreviations: DW = dead wood, stumps =  
 18 management intensity,  $\phi$  = diameter, AAD = age at death, YFD = years from death, canopy = canopy openness.

	DW diversity	Stumps (pc ha <sup>-1</sup> )	$\phi$ (cm)	AAD (y)	YFD (y)	Canopy (%)
Stumps (pc ha <sup>-1</sup> )	<b>-0.25</b>	1				
$\phi$ (cm)	0.06	0.03	1			
AAD (y)	-0.14	-0.05	<b>0.62<sup>P</sup></b>	1		
YFD (y)	-0.04	-0.05	0.18 <sup>P</sup>	0.14 <sup>P</sup>	1	
Canopy (%)	0.06	<b>-0.32</b>	0.16 <sup>P</sup>	<b>0.30<sup>P</sup></b>	0.19 <sup>P</sup>	1
Decomposers/trunk	-0.10	-0.08	-0.09	-0.10	-0.09	0.05
Lichens/trunk	-0.16	0.07	0.19	0.02	<b>0.33</b>	-0.01

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20 **Table A.3.** Fungal species observed in the study (n = 107). Species nomenclature follows Coppins (1983), Czarnota (2007), and Czarnota and Guzew-  
 21 Krzemínska (2010) with *Micarea* species, Tibell (1999) with mycocalicioid species, and Index Fungorum with the rest (Royal Botanic Gardens Kew et al.,  
 22 2016). Conservation statuses are in brackets after a species name. Statuses follow the 2010 Red List of Finnish Species (Rassi et al., 2010): NE = not evaluated,  
 23 LC = least concerned, NT = near threatened, and VU = vulnerable (IUCN, 2012). Species marked with asterisks had not been detected in Finland by the latest  
 24 evaluation of threatened species in 2010. Statuses were derived from Rassi et al. (2010), Finnish Biodiversity Info Facility (2017) and unpublished information  
 25 received from the Finnish Expert Group of Fungi. Statuses were not given for species with tentative names. Genus *Chaenothecopsis* and species *C. nana*, *C.*  
 26 *savonica*, *Micarea micrococca* and *Mycocalicium subtile* have been divided into multiple species new to science. Working titles are marked with quotation  
 27 marks. n is the number of study trunks on which the species occurred on, and % is the proportion these trunks represent out of all trunks (n = 70). Cells show  
 28 means and standard deviations (in brackets) for environmental variables, separately for the trunks on which the species was found to be present (1) or absent  
 29 (0). For AAD, N = 52, for YFD, N = 55, and for the rest, N = 70. Means for AAD and YFD marked with superscript § do not represent the mean for full n of  
 30 occurrences (or absences), since the calculations also include trunks for which the data was not available. NA (data not available) indicates that data was not  
 31 available for any of the trunks species occurred on. The units used for variables are in brackets. Dead wood (DW) diversity was calculated with Shannon's  
 32 diversity index. Column label abbreviations: stumps = management intensity,  $\phi$  = diameter, AAD = age at death, YFD = years from death, canopy = canopy  
 33 openness. Taxonomic abbreviations: agg. = species aggregate, cf. = uncertain determination, coll. = in a collective sense, sp. = species, sp. nov. = species being  
 34 introduced for the first time (Knudsen and Vesterholt, 2008).

Species	n	%	DW diversity		Stumps (pc ha <sup>-1</sup> )		$\phi$ (cm)		AAD (y)		YFD (y)		Canopy (%)	
			1	0	1	0	1	0	1	0	1	0	1	0
<i>Actidium hysterioides</i> *	15	21.4	1.8 (0.2)	2.0 (0.3)	54.3 (30.1)	53.6 (33.1)	26.4 (12.3)	29.5 (12.3)	163.2 (73.0)	158.5 <sup>§</sup> (69.7)	23.3 (13.4)	34.6 <sup>§</sup> (14.9)	16.6 (7.0)	16.2 (7.4)
<i>Amyloporia sinuosa</i> (LC)	1	1.4	1.8 (0.0)	2.0 (0.3)	26.0 (0.0)	54.1 (32.3)	27.1 (0.0)	28.8 (12.4)	248.0 (0.0)	158.1 <sup>§</sup> (69.6)	32.0 (0.0)	31.5 <sup>§</sup> (15.4)	15.4 (0.0)	16.3 (7.3)
<i>Aphanobasidium pseudotsugae</i> (LC)	1	1.4	2.2 (0.0)	2.0 (0.3)	69.0 (0.0)	53.5 (32.5)	20.1 (0.0)	28.9 (12.3)	77.0 (0.0)	161.5 <sup>§</sup> (69.7)	39.0 (0.0)	31.4 <sup>§</sup> (15.4)	8.9 (0.0)	16.4 (7.3)
<i>Ascocoryne</i> sp. 1	1	1.4	2.2 (0.0)	2.0 (0.3)	69.0 (0.0)	53.5 (32.5)	15.9 (0.0)	29.0 (12.3)	85.0 (0.0)	161.3 <sup>§</sup> (69.9)	29.0 (0.0)	31.6 <sup>§</sup> (15.4)	10.0 (0.0)	16.4 (7.3)
<i>Athelia decipiens</i> (LC)	1	1.4	1.8 (0.0)	2.0 (0.3)	36.0 (0.0)	53.0 (32.4)	36.6 (0.0)	28.7 (12.3)	144.0 (0.0)	160.2 <sup>§</sup> (70.6)	47.0 (0.0)	31.2 <sup>§</sup> (15.3)	28.5 (0.0)	16.1 (7.2)
<i>Athelia</i> sp. 1	1	1.4	1.6 (0.0)	2.0 (0.3)	19.0 (0.0)	54.2 (32.2)	15.6 (0.0)	29.0 (12.3)	95.0 (0.0)	161.1 <sup>§</sup> (70.1)	27.0 (0.0)	31.6 <sup>§</sup> (15.4)	18.0 (0.0)	16.3 (7.3)
<i>Botryobasidium subcoronatum</i> (LC)	1	1.4	2.3 (0.0)	2.0 (0.3)	16.0 (0.0)	54.3 (32.2)	23.9 (0.0)	28.9 (12.3)	132.0 (0.0)	160.4 <sup>§</sup> (70.6)	31.0 (0.0)	31.5 <sup>§</sup> (15.4)	13.1 (0.0)	16.4 (7.3)

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Species	n	%	DW diversity		Stumps (pc ha <sup>-1</sup> )		ø (cm)		AAD (y)		YFD (y)		Canopy (%)	
			1	0	1	0	1	0	1	0	1	0	1	0
<i>Botryobasidium vagum</i> (LC)	4	5.7	2.3 (0.2)	2.0 (0.3)	49.5 (23.4)	54.0 (32.9)	22.0 (7.8)	29.2 (12.4)	142.5 (86.2)	161.3 <sup>§</sup> (69.4)	40.8 (20.4)	30.8 <sup>§</sup> (14.8)	12.6 (5.4)	16.5 (7.3)
<i>Capronia</i> sp. 1	2	2.9	2.2 (0.1)	2.0 (0.3)	42.5 (37.5)	54.0 (32.4)	23.2 (10.2)	29.0 (12.4)	115.0 (42.4)	161.7 <sup>§</sup> (70.5)	37.5 (12.0)	31.3 <sup>§</sup> (15.4)	12.3 (3.3)	16.4 (7.3)
<i>Ceraceomyces microsporus</i> (LC)	3	4.2	1.9 (0.34)	2.0 (0.3)	29.7 (10.5)	54.8 (32.5)	22.7 (9.9)	29.1 (12.4)	98.0 <sup>§</sup> (4.2)	162.3 <sup>§</sup> (70.3)	26.5 <sup>§</sup> (0.7)	31.7 <sup>§</sup> (15.5)	16.2 (3.1)	16.3 (7.4)
<i>Chaenothecopsis</i> 1 “green”	3	4.2	2.1 (0.2)	2.0 (0.3)	52.7 (47.3)	53.8 (32.0)	33.4 (10.0)	28.6 (12.4)	184.0 <sup>§</sup> (0.0)	159.4 <sup>§</sup> (70.6)	53.0 <sup>§</sup> (0.0)	31.1 <sup>§</sup> (15.1)	16.1 (1.4)	16.3 (7.4)
<i>Chaenothecopsis</i> 2	1	1.4	2.3 (0.0)	2.0 (0.3)	16.0 (0.0)	54.3 (32.2)	30.4 (0.0)	28.8 (12.4)	145.0 (0.0)	160.1 <sup>§</sup> (70.7)	46.0 (0.0)	31.3 <sup>§</sup> (15.3)	14.7 (0.0)	16.3 (7.3)
<i>Chaenothecopsis</i> 3	1	1.4	2.1 (0.0)	2.0 (0.3)	106.0 (0.0)	53.0 (31.9)	24.2 (0.0)	28.9 (12.3)	96.0 (0.0)	161.1 <sup>§</sup> (70.1)	41.0 (0.0)	31.4 <sup>§</sup> (15.4)	9.9 (0.0)	16.4 (7.3)
<i>Chaenothecopsis</i> 4 “håkon”	1	1.4	1.7 (0.0)	2.0 (0.3)	26.0 (0.0)	54.1 (32.3)	45.2 (0.0)	28.6 (12.2)	NA	159.9 <sup>§</sup> (70.0)	NA	31.5 <sup>§</sup> (15.3)	12.1 (0.0)	16.4 (7.3)
<i>Chaenothecopsis</i> 5	2	2.9	1.8 (0.3)	2.0 (0.3)	109.0 (4.2)	52.1 (31.3)	27.1 (24.3)	28.9 (12.1)	NA	159.9 <sup>§</sup> (70.0)	NA	31.5 <sup>§</sup> (15.3)	14.6 (4.4)	16.4 (7.3)
<i>Chaenothecopsis</i> 6 “sturdy”	2	2.9	1.7 (0.1)	2.0 (0.3)	69.0 (60.8)	53.3 (31.8)	32.4 (4.8)	28.7 (12.4)	195.0 (91.9)	158.5 <sup>§</sup> (69.8)	38.5 (12.0)	31.3 <sup>§</sup> (15.4)	16.0 (6.2)	16.3 (7.3)
<i>Chaenothecopsis</i> 7	1	1.4	1.6 (0.0)	2.0 (0.3)	112.0 (0.0)	52.9 (31.7)	35.8 (0.0)	28.7 (12.3)	130.0 (0.0)	160.4 <sup>§</sup> (70.6)	47.0 (0.0)	31.2 <sup>§</sup> (15.3)	11.7 (0.0)	16.4 (7.3)
<i>Chaenothecopsis</i> 8	1	1.4	2.5 (0.0)	2.0 (0.3)	22.0 (0.0)	54.2 (32.3)	40.4 (0.0)	28.6 (12.3)	312.0 (0.0)	156.9 <sup>§</sup> (67.3)	14.0 (0.0)	31.9 <sup>§</sup> (15.2)	29.6 (0.0)	16.1 (7.1)
<i>Chaenothecopsis</i> 9	2	2.9	1.6 (0.0)	2.0 (0.3)	112.0 (0.0)	52.0 (31.1)	33.5 (3.3)	28.7 (12.4)	139.0 (12.7)	160.7 <sup>§</sup> (71.2)	45.5 (2.1)	31.0 <sup>§</sup> (15.3)	12.0 (0.4)	16.4 (7.3)
<i>Chaenothecopsis consociata</i> (LC)	1	1.4	1.8 (0.0)	2.0 (0.3)	26.0 (0.0)	54.1 (32.3)	23.6 (0.0)	28.9 (12.3)	NA	159.9 <sup>§</sup> (70.0)	NA	31.5 <sup>§</sup> (15.3)	11.1 (0.0)	16.4 (7.3)
<i>Chaenothecopsis nana</i> “grey”	3	4.2	2.2 (0.5)	2.0 (0.3)	21.0 (1.7)	55.2 (32.2)	23.8 (5.5)	29.0 (12.5)	225.3 (103.3)	155.9 <sup>§</sup> (66.9)	36.7 (29.7)	31.2 <sup>§</sup> (14.5)	17.6 (1.0)	16.2 (7.4)
<i>Chaenothecopsis nana</i> “thin”	1	1.4	2.3 (0.0)	2.0 (0.3)	40.0 (0.0)	53.9 (32.5)	26.4 (0.0)	28.8 (12.4)	123.0 (0.0)	160.6 <sup>§</sup> (70.5)	8.0 (0.0)	32.0 <sup>§</sup> (15.1)	22.8 (0.0)	16.2 (7.3)
<i>Chaenothecopsis pusiola</i> (LC)	22	31.4	1.9 (0.3)	2.0 (0.3)	54.4 (32.8)	53.4 (32.4)	27.1 (9.1)	29.6 (13.5)	143.4 <sup>§</sup> (58.8)	169.3 <sup>§</sup> (74.9)	37.1 <sup>§</sup> (11.5)	28.1 <sup>§</sup> (16.4)	17.3 (10.5)	15.8 (5.3)
<i>Chaenothecopsis savonica</i> “conifer”	6	8.6	2.1 (0.3)	2.0 (0.3)	60.2 (28.1)	53.1 (32.8)	27.7 (8.1)	28.9 (12.6)	159.8 <sup>§</sup> (65.0)	159.9 <sup>§</sup> (71.0)	33.0 <sup>§</sup> (6.2)	31.4 <sup>§</sup> (15.9)	19.8 (17.5)	16.0 (5.7)

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Species	n	%	DW diversity		Stumps (pc ha <sup>-1</sup> )		ø (cm)		AAD (y)		YFD (y)		Canopy (%)	
			1	0	1	0	1	0	1	0	1	0	1	0
<i>Chaenothecopsis savonica</i> “wide-spored”	4	5.7	1.9 (0.3)	2.0 (0.3)	67.5 (39.4)	52.9 (32.0)	22.4 (9.7)	29.2 (12.4)	181.7 <sup>§</sup> (59.2)	158.5 <sup>§</sup> (70.9)	41.3 <sup>§</sup> (4.2)	31.0 <sup>§</sup> (15.5)	19.4 (9.2)	16.1 (7.2)
<i>Chaenothecopsis savonica</i> “roundheaded”	2	2.9	2.1 (0.1)	2.0 (0.3)	81.5 (17.7)	52.9 (32.3)	15.3 (0.9)	29.2 (12.2)	85.0 <sup>§</sup> (0.0)	161.3 <sup>§</sup> (69.9)	29.0 <sup>§</sup> (0.0)	31.6 <sup>§</sup> (15.4)	10.8 (1.3)	16.5 (7.3)
<i>Chaenothecopsis savonica</i> “long-spored”	2	2.9	2.1 (0.4)	2.0 (0.3)	54.5 (23.3)	53.7 (32.6)	33.3 (1.1)	28.7 (12.4)	119.0 (29.7)	161.5 <sup>§</sup> (70.8)	27.0 (2.8)	31.7 <sup>§</sup> (15.5)	21.6 (20.2)	16.2 (6.9)
<i>Chaenothecopsis savonica</i> “sturdy”	1	1.4	1.8 (0.0)	2.0 (0.3)	36.0 (0.0)	54.0 (32.4)	19.1 (0.0)	29.0 (12.3)	141.0 (0.0)	160.2 <sup>§</sup> (70.6)	35.0 (0.0)	31.5 <sup>§</sup> (15.4)	19.8 (0.0)	16.3 (7.3)
<i>Chaenothecopsis savonica</i> “wine”	4	5.7	1.9 (0.3)	2.0 (0.3)	80.3 (17.3)	52.1 (32.3)	45.4 (10.4)	27.8 (11.7)	267.1 <sup>§</sup> (65.2)	155.6 <sup>§</sup> (67.3)	32.0 <sup>§</sup> (11.3)	31.5 <sup>§</sup> (15.5)	13.1 (2.7)	16.5 (7.4)
<i>Chaenothecopsis viridireagens</i> (LC)	11	15.7	1.9 (0.3)	2.0 (0.3)	56.0 (26.8)	53.3 (33.4)	36.2 (16.1)	27.4 (11.1)	193.8 <sup>§</sup> (87.8)	155.4 <sup>§</sup> (67.2)	40.9 <sup>§</sup> (16.2)	30.2 <sup>§</sup> (14.8)	16.3 (7.9)	16.3 (7.2)
<i>Claussenomyces atrovirens</i> (NE)	2	2.9	1.9 (0.3)	2.0 (0.3)	62.5 (61.5)	53.5 (31.8)	21.1 (2.8)	29.0 (12.4)	99.0 (22.6)	162.3 <sup>§</sup> (70.2)	33.0 (2.8)	31.5 <sup>§</sup> (15.5)	12.9 (0.8)	16.4 (7.3)
<i>Collybia cirrhata</i> (LC)	1	1.4	1.6 (0.0)	2.0 (0.3)	112.0 (0.0)	52.9 (31.7)	31.2 (0.0)	28.8 (12.4)	148.0 (0.0)	160.1 <sup>§</sup> (70.7)	44.0 (0.0)	31.3 <sup>§</sup> (15.3)	12.3 (0.0)	16.4 (7.3)
<i>Coniochaeta ligniaria</i> (LC)	2	2.9	2.3 (0.0)	2.0 (0.3)	40.0 (0.0)	54.1 (32.7)	19.9 (9.2)	29.1 (12.3)	112.5 (14.9)	161.8 <sup>§</sup> (70.7)	15.5 (10.6)	32.1 <sup>§</sup> (15.2)	16.7 (8.7)	16.3 (7.3)
<i>Coniophora olivacea</i> (LC)	1	1.4	2.5 (0.0)	2.0 (0.3)	22.0 (0.0)	54.2 (32.3)	40.4 (0.0)	28.6 (12.3)	312.0 (0.0)	156.9 <sup>§</sup> (67.3)	14.0 (0.0)	31.9 <sup>§</sup> (15.2)	29.6 (0.0)	16.1 (7.1)
<i>Coniophora puteana</i> (LC)	1	1.4	1.8 (0.0)	2.0 (0.3)	30.0 (0.0)	54.1 (32.4)	27.4 (0.0)	28.8 (12.4)	136.0 (0.0)	160.3 <sup>§</sup> (70.6)	9.0 (0.0)	31.9 <sup>§</sup> (15.1)	12.7 (0.0)	16.4 (7.3)
<i>Crumenulopsis pinicola</i> (NE)	1	1.4	1.8 (0.0)	2.0 (0.3)	30.0 (0.0)	54.1 (32.4)	27.4 (0.0)	28.8 (12.4)	136.0 (0.0)	160.3 <sup>§</sup> (70.6)	9.0 (0.0)	31.9 <sup>§</sup> (15.1)	12.7 (0.0)	16.4 (7.3)
<i>Cryptodiscus pini</i> *	2	2.9	2.2 (0.1)	2.0 (0.3)	42.5 (37.5)	54.1 (32.4)	17.2 (4.1)	29.2 (12.3)	77.0 <sup>§</sup> (0.0)	161.5 <sup>§</sup> (69.7)	39.0 <sup>§</sup> (0.0)	31.4 <sup>§</sup> (15.4)	11.6 (3.8)	16.4 (7.3)
<i>Dacrymyces lacrymalis</i> (LC)	1	1.4	2.0 (0.0)	2.0 (0.3)	94.0 (0.0)	53.1 (32.1)	19.7 (0.0)	28.9 (12.3)	201.0 (0.0)	159.1 <sup>§</sup> (70.4)	31.0 (0.0)	31.5 <sup>§</sup> (15.4)	15.6 (0.0)	16.3 (7.3)
<i>Dacrymyces microsporus</i> (LC)	1	1.4	2.4 (0.0)	2.0 (0.3)	38.0 (0.0)	53.9 (32.5)	44.9 (0.0)	28.6 (12.2)	189.0 (0.0)	159.3 <sup>§</sup> (70.6)	42.0 (0.0)	31.3 <sup>§</sup> (15.3)	11.5 (0.0)	16.4 (7.3)
<i>Dacrymyces stillatus</i> (LC)	6	8.6	2.0 (0.4)	2.0 (0.3)	43.3 (22.3)	54.7 (33.0)	42.8 (10.5)	27.5 (11.6)	308.0 <sup>§</sup> (7.3)	153.9 <sup>§</sup> (64.5)	25.5 <sup>§</sup> (2.1)	31.8 <sup>§</sup> (15.5)	14.2 (3.2)	16.5 (7.5)
<i>Dacrymyces tortus</i> (LC)	6	8.6	2.1 (0.4)	2.0 (0.3)	24.5 (7.7)	56.5 (32.4)	27.3 (8.5)	29.0 (12.6)	198.8 <sup>§</sup> (99.1)	156.6 <sup>§</sup> (67.4)	25.5 <sup>§</sup> (7.9)	32.0 <sup>§</sup> (15.6)	16.1 (7.6)	16.3 (7.3)

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Species	n	%	DW diversity		Stumps (pc ha <sup>-1</sup> )		ø (cm)		AAD (y)		YFD (y)		Canopy (%)	
			1	0	1	0	1	0	1	0	1	0	1	0
<i>Dermateaceae</i> sp. 1	1	1.4	2.1 (0.0)	2.0 (0.3)	106.0 (0.0)	53.0 (31.9)	23.1 (0.0)	28.9 (12.3)	115.0 (0.0)	160.7 <sup>§</sup> (70.4)	35.0 (0.0)	31.5 <sup>§</sup> (15.4)	13.5 (0.0)	16.3 (7.3)
<i>Exidia saccharina</i> (LC)	1	1.4	2.0 (0.0)	2.0 (0.3)	94.0 (0.0)	53.1 (32.1)	19.3 (0.0)	29.0 (12.3)	159.0 (0.0)	159.9 <sup>§</sup> (70.7)	6.0 (0.0)	32.0 <sup>§</sup> (15.0)	9.8 (0.0)	16.4 (7.3)
<i>Fomitopsis pinicola</i> (LC)	7	10.0	2.1 (0.3)	2.0 (0.3)	38.3 (23.3)	55.4 (32.8)	29.5 (10.3)	28.7 (12.5)	194.2 <sup>§</sup> (76.1)	155.4 <sup>§</sup> (68.8)	28.7 (22.4)	31.9 <sup>§</sup> (14.2)	24.9 (14.8)	15.3 (5.3)
<i>Galerina marginata</i> (LC)	1	1.4	1.8 (0.0)	2.0 (0.3)	26.0 (0.0)	54.1 (32.3)	27.1 (0.0)	28.8 (12.4)	248.0 (0.0)	158.1 <sup>§</sup> (69.6)	32.0 (0.0)	31.5 <sup>§</sup> (15.4)	15.4 (0.0)	16.3 (7.3)
<i>Galerina</i> sp. 1	1	1.4	1.6 (0.0)	2.0 (0.3)	73.0 (0.0)	53.4 (32.4)	40.7 (0.0)	28.6 (12.3)	221.0 (0.0)	158.7 <sup>§</sup> (70.1)	40.0 (0.0)	31.4 <sup>§</sup> (15.4)	16.7 (0.0)	16.3 (7.3)
<i>Galerina stylifera</i> (LC)	1	1.4	2.3 (0.0)	2.0 (0.3)	16.0 (0.0)	54.3 (32.2)	14.3 (0.0)	29.0 (12.2)	NA (70.0)	159.9 <sup>§</sup> (70.0)	NA (15.3)	31.5 <sup>§</sup> (15.3)	14.3 (0.0)	16.3 (7.3)
<i>Globulicium hiemale</i> (LC)	2	2.9	2.0 (0.4)	2.0 (0.3)	21.0 (7.1)	54.7 (32.2)	29.8 (21.8)	28.8 (12.2)	NA (70.0)	159.9 <sup>§</sup> (70.0)	NA (15.3)	31.5 <sup>§</sup> (15.3)	13.2 (1.5)	16.4 (7.3)
<i>Glonium nitidum</i> *	33	47.1	1.9 (0.3)	2.0 (0.3)	54.5 (34.5)	53.1 (30.6)	28.9 (10.8)	28.7 (13.6)	166.2 <sup>§</sup> (77.4)	152.4 <sup>§</sup> (61.1)	29.0 <sup>§</sup> (15.3)	34.6 <sup>§</sup> (14.9)	17.5 (6.9)	15.2 (7.5)
<i>Gymnopilus penetrans</i> (LC)	2	2.9	1.8 (0.2)	2.0 (0.3)	45.0 (36.8)	54.0 (32.4)	24.4 (7.4)	28.9 (12.4)	116.5 (47.4)	161.6 <sup>§</sup> (70.5)	34.5 (5.0)	31.4 <sup>§</sup> (15.5)	15.7 (4.7)	16.3 (7.3)
<i>Gymnopus androsaceus</i> (LC)	5	7.1	2.1 (0.3)	2.0 (0.3)	44.2 (36.4)	54.5 (32.1)	21.2 (5.1)	29.4 (12.5)	111.0 (19.1)	165.1 <sup>§</sup> (71.5)	25.6 (10.8)	32.1 <sup>§</sup> (15.6)	14.5 (4.8)	16.4 (7.4)
<i>Hastodontia hastata</i> (LC)	1	1.4	2.2 (0.0)	2.0 (0.3)	69.0 (0.0)	53.5 (32.5)	44.6 (0.0)	28.6 (12.2)	NA (70.0)	159.9 <sup>§</sup> (70.0)	NA (15.3)	31.5 <sup>§</sup> (15.3)	11.1 (0.0)	16.4 (7.3)
<i>Hyalorbilia</i> sp. 1	1	1.4	1.8 (0.0)	2.0 (0.3)	36.0 (0.0)	54.0 (32.4)	36.6 (0.0)	28.7 (12.3)	144.0 (0.0)	160.2 <sup>§</sup> (70.6)	47.0 (0.0)	31.2 <sup>§</sup> (15.3)	28.5 (0.0)	16.1 (7.2)
<i>Hyaloscypha aureliella</i> (LC)	1	1.4	1.6 (0.0)	2.0 (0.3)	19.0 (0.0)	54.2 (32.2)	19.4 (0.0)	28.9 (12.3)	108.0 (0.0)	160.9 <sup>§</sup> (70.3)	13.0 (0.0)	31.9 <sup>§</sup> (15.2)	17.9 (0.0)	16.3 (7.3)
<i>Hyphodontia abieticola</i> (LC)	2	2.9	1.8 (0.3)	2.0 (0.3)	83.5 (14.9)	52.8 (32.3)	35.5 (31.7)	28.6 (11.8)	154.2 (126.2)	160.1 <sup>§</sup> (69.1)	52.0 (11.3)	30.8 <sup>§</sup> (14.9)	11.4 (0.0)	16.4 (7.3)
<i>Hypochnicium</i> cf. <i>punctulatum</i> (LC)	1	1.4	2.3 (0.0)	2.0 (0.3)	16.0 (0.0)	54.3 (32.2)	41.7 (0.0)	28.6 (12.3)	165.0 (0.0)	159.8 <sup>§</sup> (70.7)	23.0 (0.0)	31.7 <sup>§</sup> (15.4)	16.0 (0.0)	16.3 (7.3)
<i>Hypochnicium cremicolor</i> *	1	1.4	1.6 (0.0)	2.0 (0.3)	73.0 (0.0)	53.4 (32.4)	43.3 (0.0)	28.6 (12.2)	314.0 (0.0)	156.8 <sup>§</sup> (67.2)	26.0 (0.0)	31.6 <sup>§</sup> (15.4)	14.3 (0.0)	16.3 (7.3)
<i>Lophium mytilinum</i> (LC)	6	8.6	2.0 (0.4)	2.0 (0.3)	43.5 (23.5)	54.7 (33.0)	28.1 (15.2)	28.9 (12.1)	176.4 (68.4)	157.7 <sup>§</sup> (70.6)	31.3 (24.5)	31.6 <sup>§</sup> (14.1)	16.4 (5.2)	16.3 (7.5)

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Species	n	%	DW diversity		Stumps (pc ha <sup>-1</sup> )		ø (cm)		AAD (y)		YFD (y)		Canopy (%)	
			1	0	1	0	1	0	1	0	1	0	1	0
<i>Micarea anterior</i> (VU)	11	15.7	2.0 (0.4)	2.0 (0.3)	59.3 (33.9)	52.7 (32.2)	29.1 (12.9)	28.8 (12.3)	191.3 <sup>§</sup> (62.2)	154.1 <sup>§</sup> (70.4)	38.9 <sup>§</sup> (11.2)	30.1 <sup>§</sup> (15.6)	17.1 (12.8)	16.2 (5.8)
<i>Micarea byssacea</i> *	2	2.9	2.0 (0.5)	2.0 (0.3)	56.5 (23.3)	53.6 (32.6)	28.3 (21.2)	28.8 (12.2)	208.0 (149.9)	157.9 <sup>§</sup> (67.4)	24.5 (2.1)	31.8 <sup>§</sup> (15.5)	12.5 (2.6)	16.4 (7.3)
<i>Micarea contexta</i> *	13	18.6	2.0 (0.3)	2.0 (0.3)	59.5 (22.8)	52.4 (34.1)	25.6 (12.1)	29.5 (12.3)	163.8 <sup>§</sup> (70.6)	158.7 <sup>§</sup> (70.7)	35.0 <sup>§</sup> (6.8)	30.6 <sup>§</sup> (16.8)	15.6 (6.2)	16.5 (7.5)
<i>Micarea denigrata</i> (LC)	2	2.9	2.0 (0.3)	2.0 (0.3)	47.5 (30.4)	53.9 (32.5)	20.4 (9.5)	29.1 (12.3)	168.0 (113.1)	159.5 <sup>§</sup> (69.5)	28.5 (5.0)	31.6 <sup>§</sup> (15.5)	15.7 (0.6)	16.3 (7.4)
<i>Micarea elachista</i> (LC)	19	27.1	1.8 (0.3)	2.0 (0.3)	61.5 (31.7)	50.8 (32.3)	40.3 (13.0)	24.5 (8.9)	194.4 <sup>§</sup> (68.3)	151.6 <sup>§</sup> (68.6)	39.2 <sup>§</sup> (15.0)	29.4 <sup>§</sup> (14.8)	16.6 (4.9)	16.2 (8.0)
<i>Micarea eximia</i> (VU)	5	7.1	1.9 (0.2)	2.0 (0.3)	52.2 (23.9)	53.8 (33.0)	24.8 (8.0)	29.1 (12.5)	154.2 (91.5)	160.5 <sup>§</sup> (68.5)	30.2 (5.8)	31.7 <sup>§</sup> (15.9)	19.3 (10.1)	16.1 (7.0)
<i>Micarea globulosella</i> (NT)	8	11.4	1.9 (0.3)	2.0 (0.3)	44.5 (25.0)	54.9 (33.1)	24.7 (8.4)	29.3 (12.6)	124.9 (33.4)	166.2 <sup>§</sup> (73.2)	33.6 (16.5)	31.2 <sup>§</sup> (15.2)	15.1 (6.5)	16.5 (7.4)
<i>Micarea hedlundii</i> (VU)	5	7.1	1.9 (0.2)	2.0 (0.3)	43.6 (35.7)	54.5 (32.2)	36.5 (11.9)	28.2 (12.2)	153.0 <sup>§</sup> (17.0)	160.1 <sup>§</sup> (71.3)	29.0 <sup>§</sup> (8.5)	31.6 <sup>§</sup> (15.5)	18.1 (3.6)	16.2 (7.5)
<i>Micarea melaena</i> (LC)	45	64.2	2.0 (0.3)	2.0 (0.3)	53.9 (30.9)	53.4 (35.3)	30.8 (13.1)	25.2 (9.8)	153.5 <sup>§</sup> (64.2)	171.8 <sup>§</sup> (80.4)	32.0 <sup>§</sup> (13.8)	30.6 <sup>§</sup> (18.2)	16.0 (5.4)	16.9 (9.9)
<i>Micarea melaeniza</i> *	1	1.4	1.8 (0.0)	2.0 (0.3)	36.0 (0.0)	54.0 (32.4)	19.1 (0.0)	29.0 (12.3)	141.0 (0.0)	160.2 <sup>§</sup> (70.6)	35.0 (0.0)	31.5 <sup>§</sup> (15.4)	19.8 (0.0)	16.3 (7.3)
<i>Micarea micrococca</i> *	4	5.7	2.0 (0.3)	2.0 (0.3)	46.0 (32.5)	54.2 (32.5)	21.9 (6.7)	29.2 (12.4)	162.5 (85.9)	159.6 <sup>§</sup> (69.6)	48.0 (15.6)	30.2 <sup>§</sup> (14.6)	14.1 (4.2)	16.4 (7.4)
<i>Micarea micrococca</i> agg., sp. nov.	1	1.4	1.6 (0.0)	2.0 (0.3)	19.0 (0.0)	54.2 (32.2)	19.1 (0.0)	29.0 (12.3)	83.0 (0.0)	161.4 <sup>§</sup> (69.8)	31.0 (0.0)	31.5 <sup>§</sup> (15.4)	12.4 (0.0)	16.4 (7.3)
<i>Micarea misella</i> (LC)	25	35.7	2.0 (0.3)	2.0 (0.3)	47.2 (32.1)	57.3 (32.2)	30.3 (13.8)	28.0 (11.4)	155.2 <sup>§</sup> (83.5)	162.7 <sup>§</sup> (61.4)	33.7 <sup>§</sup> (12.6)	30.1 <sup>§</sup> (16.9)	16.2 (6.5)	16.4 (7.7)
<i>Micarea nigella</i> *	1	1.4	1.6 (0.0)	2.0 (0.3)	73.0 (0.0)	53.4 (32.4)	43.3 (0.0)	28.6 (12.2)	314.0 (0.0)	156.8 <sup>§</sup> (67.2)	26.0 (0.0)	31.6 <sup>§</sup> (15.4)	14.3 (0.0)	16.3 (7.3)
<i>Micarea prasina</i> (LC)	26	37.1	2.0 (0.3)	2.0 (0.3)	61.1 (33.3)	49.3 (31.2)	29.6 (14.2)	28.3 (11.1)	160.0 <sup>§</sup> (74.8)	159.8 <sup>§</sup> (68.7)	38.5 <sup>§</sup> (13.9)	27.8 <sup>§</sup> (14.8)	14.4 (5.1)	17.4 (8.1)
<i>Micarea</i> sp. nov. "nigrotomentosa"	1	1.4	1.8 (0.0)	2.0 (0.3)	30.0 (0.0)	54.1 (32.4)	51.6 (0.0)	28.5 (12.1)	NA (70.0)	159.9 <sup>§</sup> (70.0)	NA (15.3)	31.5 <sup>§</sup> (15.3)	23.0 (0.0)	16.2 (7.3)

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Species	n	%	DW diversity		Stumps (pc ha <sup>-1</sup> )		ø (cm)		AAD (y)		YFD (y)		Canopy (%)	
			1	0	1	0	1	0	1	0	1	0	1	0
<i>Mollisia</i> sp. 1	4	5.7	2.0 (0.5)	2.0 (0.3)	45.8 (29.2)	54.2 (32.6)	34.2 (15.9)	28.5 (12.1)	234.3 <sup>§</sup> (119.3)	155.3 <sup>§</sup> (65.1)	30.0 <sup>§</sup> (15.1)	31.6 <sup>§</sup> (15.4)	19.0 (7.8)	16.1 (7.3)
<i>Mycena laevigata</i> (LC)	1	1.4	2.5 (0.0)	2.0 (0.3)	22.0 (0.0)	54.2 (32.3)	29.9 (0.0)	28.8 (12.4)	302.9 (0.0)	157.1 <sup>§</sup> (67.7)	27.0 (0.0)	31.6 <sup>§</sup> (15.4)	16.5 (0.0)	16.3 (7.3)
<i>Mycocalicium subtile</i> "big"	19	27.1	2.0 (0.3)	2.0 (0.3)	47.0 (29.6)	56.2 (33.1)	22.9 (6.5)	31.0 (13.2)	138.5 <sup>§</sup> (63.8)	169.3 <sup>§</sup> (71.3)	29.7 <sup>§</sup> (12.7)	32.4 <sup>§</sup> (16.4)	18.0 (11.0)	15.7 (5.2)
<i>Mycocalicium subtile</i> "thin"	14	20.0	2.0 (0.4)	2.0 (0.3)	38.5 (30.9)	57.5 (31.7)	24.8 (8.8)	29.8 (12.9)	171.1 <sup>§</sup> (76.7)	156.1 <sup>§</sup> (68.3)	34.2 <sup>§</sup> (16.5)	30.7 <sup>§</sup> (15.0)	18.4 (5.3)	15.8 (7.6)
<i>Mycocalicium subtile</i> "smooth"	5	7.1	1.7 (0.1)	2.0 (0.3)	96.0 (21.9)	50.5 (30.7)	30.0 (8.9)	28.7 (12.5)	181.0 (51.7)	157.6 <sup>§</sup> (71.7)	39.0 (8.9)	30.8 <sup>§</sup> (15.6)	16.6 (9.1)	16.3 (7.2)
<i>Mytilinidion mytilinellum</i> (NE)	2	2.9	2.2 (0.2)	2.0 (0.3)	73.0 (46.7)	53.2 (32.1)	33.0 (14.1)	28.7 (12.3)	115.0 <sup>§</sup> (0.0)	160.7 <sup>§</sup> (70.4)	35.0 <sup>§</sup> (0.0)	31.5 <sup>§</sup> (15.4)	15.0 (2.1)	16.3 (7.4)
<i>Mytilinidion rhenanum</i> (NE)	1	1.4	1.8 (0.0)	2.0 (0.3)	30.0 (0.0)	54.1 (32.4)	27.4 (0.0)	28.8 (12.4)	136.0 (0.0)	160.3 <sup>§</sup> (70.6)	9.0 (0.0)	31.9 <sup>§</sup> (15.1)	12.7 (0.0)	16.4 (7.3)
<i>Orbilina</i> sp. 1	1	1.4	2.3 (0.0)	2.0 (0.3)	16.0 (0.0)	54.3 (32.2)	23.9 (0.0)	28.9 (12.3)	132.0 (0.0)	160.4 <sup>§</sup> (70.6)	31.0 (0.0)	31.5 <sup>§</sup> (15.4)	13.1 (0.0)	16.4 (7.3)
<i>Orbilina</i> sp. 2	2	2.9	2.2 (0.2)	2.0 (0.3)	72.0 (48.1)	53.2 (32.1)	28.4 (5.9)	28.8 (12.4)	118.0 (31.1)	161.5 <sup>§</sup> (70.7)	35.0 (8.5)	31.4 <sup>§</sup> (15.5)	8.6 (1.9)	16.5 (7.2)
<i>Paxillus involutus</i> (LC)	1	1.4	1.6 (0.0)	2.0 (0.3)	73.0 (0.0)	53.4 (32.4)	57.9 (0.0)	28.4 (11.8)	243.5 (0.0)	158.2 <sup>§</sup> (69.7)	44.0 (0.0)	31.3 <sup>§</sup> (15.3)	11.4 (0.0)	16.4 (7.3)
<i>Peniophorella praetermissa</i> coll. (LC)	4	5.7	1.7 (0.2)	2.0 (0.3)	51.3 (38.2)	53.9 (32.2)	25.6 (21.8)	29.0 (11.7)	149.5 <sup>§</sup> (81.6)	160.5 <sup>§</sup> (70.1)	29.7 <sup>§</sup> (15.6)	31.6 <sup>§</sup> (15.4)	14.9 (3.9)	16.4 (7.4)
<i>Phialina</i> sp. 1	1	1.4	2.3 (0.0)	2.0 (0.3)	16.0 (0.0)	54.3 (32.2)	30.4 (0.0)	28.8 (12.4)	145.0 (0.0)	160.1 <sup>§</sup> (70.7)	46.0 (0.0)	31.3 <sup>§</sup> (15.3)	14.7 (0.0)	16.3 (7.3)
<i>Pholiota gummosa</i> (LC)	1	1.4	2.5 (0.0)	2.0 (0.3)	22.0 (0.0)	54.2 (32.3)	40.4 (0.0)	28.6 (12.3)	312.0 (0.0)	156.9 <sup>§</sup> (67.3)	14.0 (0.0)	31.9 <sup>§</sup> (15.2)	29.6 (0.0)	16.1 (7.1)
<i>Pholiota scamba</i> (LC)	1	1.4	2.1 (0.0)	2.0 (0.3)	106.0 (0.0)	53.0 (31.9)	24.2 (0.0)	28.9 (12.3)	96.0 (0.0)	161.1 <sup>§</sup> (70.1)	41.0 (0.0)	31.4 <sup>§</sup> (15.4)	9.9 (0.0)	16.4 (7.3)
<i>Piloderma bicolor</i> (LC)	7	10.0	2.1 (0.4)	2.0 (0.3)	44.4 (32.3)	54.8 (32.4)	23.8 (7.5)	29.4 (12.6)	130.3 (69.2)	164.5 <sup>§</sup> (69.7)	34.3 (19.7)	31.1 <sup>§</sup> (14.7)	13.9 (4.3)	16.6 (7.5)
<i>Porodaedalea pini</i> (LC)	1	1.4	1.6 (0.0)	2.0 (0.3)	73.0 (0.0)	53.4 (32.4)	57.9 (0.0)	28.4 (11.8)	243.5 (0.0)	158.2 <sup>§</sup> (69.7)	44.0 (0.0)	31.3 <sup>§</sup> (15.3)	11.4 (0.0)	16.4 (7.3)
<i>Postia sericeomollis</i> (LC)	4	5.7	2.0 (0.2)	2.0 (0.3)	77.8 (36.3)	52.3 (31.7)	44.2 (6.3)	27.9 (11.9)	NA (70.0)	159.9 <sup>§</sup> (70.0)	NA (15.3)	31.5 <sup>§</sup> (5.2)	16.4 (5.2)	16.3 (7.4)

(continued on the next page)

Species	n	%	DW diversity		Stumps (pc ha <sup>-1</sup> )		ø (cm)		AAD (y)		YFD (y)		Canopy (%)	
			1	0	1	0	1	0	1	0	1	0	1	0
<i>Pyrenomycete</i> sp. 1	13	18.6	2.0 (0.3)	2.0 (0.3)	50.5 (32.4)	54.4 (32.5)	26.5 (7.9)	29.3 (13.1)	154.5 <sup>§</sup> (71.1)	161.3 <sup>§</sup> (70.5)	27.9 <sup>§</sup> (19.8)	32.4 <sup>§</sup> (14.1)	17.6 (8.2)	16.0 (7.1)
<i>Pyrenomycete</i> sp. 2	12	17.1	1.8 (0.3)	2.0 (0.3)	67.8 (42.9)	50.8 (29.3)	20.7 (7.7)	30.5 (12.4)	125.2 <sup>§</sup> (26.5)	169.2 <sup>§</sup> (75.2)	22.6 <sup>§</sup> (12.3)	33.8 <sup>§</sup> (15.2)	14.6 (4.2)	16.7 (7.7)
<i>Pyrenomycete</i> sp. 3	1	1.4	2.0 (0.0)	2.0 (0.3)	94.0 (0.0)	53.1 (32.1)	18.1 (0.0)	29.0 (12.3)	98.0 (0.0)	161.1 <sup>§</sup> (70.1)	6.0 (0.0)	32.0 <sup>§</sup> (15.0)	12.7 (0.0)	16.4 (7.3)
<i>Pyrenomycete</i> sp. 4	23	32.9	1.9 (0.3)	2.0 (0.3)	50.0 (31.5)	55.5 (32.8)	29.2 (13.0)	28.6 (12.0)	169.3 <sup>§</sup> (79.7)	154.0 <sup>§</sup> (63.8)	31.2 <sup>§</sup> (16.4)	31.7 <sup>§</sup> (14.8)	17.8 (7.2)	15.6 (7.3)
<i>Pyrenomycete</i> sp. 5	1	1.4	1.6 (0.0)	2.0 (0.3)	73.0 (0.0)	53.4 (32.4)	43.3 (0.0)	28.6 (12.2)	314.0 (0.0)	156.8 <sup>§</sup> (67.2)	26.0 (0.0)	31.6 <sup>§</sup> (15.4)	14.3 (0.0)	16.3 (7.3)
<i>Resinicium bicolor</i> (LC)	1	1.4	2.4 (0.0)	2.0 (0.3)	38.0 (0.0)	53.9 (32.5)	29.9 (0.0)	28.8 (12.4)	99.0 (0.0)	161.1 <sup>§</sup> (70.1)	32.0 (0.0)	31.5 <sup>§</sup> (15.4)	11.8 (0.0)	16.4 (7.3)
<i>Resinicium furfuraceum</i> (LC)	5	7.1	2.0 (0.1)	2.0 (0.3)	92.0 (19.2)	50.8 (31.3)	26.6 (6.5)	29.0 (12.6)	152.8 <sup>§</sup> (68.6)	160.4 <sup>§</sup> (70.8)	38.5 <sup>§</sup> (2.7)	31.0 <sup>§</sup> (15.7)	17.7 (8.8)	16.2 (7.2)
<i>Sarea resinae</i> (LC)	1	1.4	2.3 (0.0)	2.0 (0.3)	40.0 (0.0)	53.9 (32.5)	26.4 (0.0)	28.8 (12.4)	123.0 (0.0)	160.6 <sup>§</sup> (70.5)	8.0 (0.0)	32.0 <sup>§</sup> (15.1)	22.8 (0.0)	16.2 (7.3)
<i>Tomentella</i> sp. 1	2	2.9	2.3 (0.2)	2.0 (0.3)	53.5 (21.9)	53.7 (32.6)	28.5 (11.9)	28.8 (12.4)	130.4 (75.5)	161.0 <sup>§</sup> (70.3)	22.5 (23.3)	31.9 <sup>§</sup> (15.1)	14.6 (8.1)	16.4 (7.3)
<i>Tomentella</i> sp. 2	1	1.4	2.2 (0.0)	2.0 (0.3)	69.0 (0.0)	53.5 (32.5)	20.1 (0.0)	28.9 (12.3)	77.0 (0.0)	161.5 <sup>§</sup> (69.7)	39.0 (0.0)	31.4 <sup>§</sup> (15.4)	8.9 (0.0)	16.4 (7.3)
<i>Trechispora farinacea</i> (LC)	1	1.4	2.3 (0.0)	2.0 (0.3)	16.0 (0.0)	54.3 (32.2)	14.3 (0.0)	29.0 (12.2)	NA (70.0)	159.9 <sup>§</sup> (70.0)	NA (15.3)	31.5 <sup>§</sup> (0.0)	14.3 (0.0)	16.3 (7.3)
<i>Trichaptum abietinum</i> (LC)	1	1.4	2.2 (0.0)	2.0 (0.3)	69.0 (0.0)	53.5 (32.5)	24.5 (0.0)	28.9 (12.4)	81.0 (0.0)	161.4 <sup>§</sup> (69.8)	23.0 (0.0)	31.7 <sup>§</sup> (15.4)	10.1 (0.0)	16.4 (7.3)
<i>Trichaptum fuscoviolaceum</i> (LC)	11	15.7	1.9 (0.3)	2.0 (0.3)	58.2 (40.2)	52.9 (30.9)	26.6 (9.9)	29.2 (12.7)	138.7 (66.6)	165.5 <sup>§</sup> (70.6)	23.5 (11.4)	33.6 <sup>§</sup> (15.5)	14.1 (3.2)	16.7 (7.7)
<i>Tubulicrinis subulatus</i> (LC)	3	4.3	2.2 (0.4)	2.0 (0.3)	32.0 (8.7)	54.7 (32.6)	23.9 (1.8)	29.0 (12.5)	195.3 (71.0)	157.7 <sup>§</sup> (70.1)	49.7 (17.6)	30.5 <sup>§</sup> (14.6)	17.1 (4.5)	16.3 (7.4)
<i>Xylodon asperus</i> (LC)	2	2.9	2.3 (0.1)	2.0 (0.3)	27.0 (15.6)	54.5 (32.4)	23.4 (12.8)	29.0 (12.3)	140.0 <sup>§</sup> (0.0)	160.2 <sup>§</sup> (70.6)	29.0 <sup>§</sup> (0.0)	31.6 <sup>§</sup> (15.4)	10.8 (4.9)	16.5 (7.3)
<i>Xylodon brevisetus</i> (LC)	2	2.9	2.2 (0.0)	2.0 (0.3)	69.0 (0.0)	53.3 (32.6)	19.1 (7.7)	29.1 (12.3)	84.5 (5.0)	162.9 <sup>§</sup> (69.7)	24.0 (1.4)	31.8 <sup>§</sup> (15.5)	13.1 (4.3)	16.4 (7.3)
all trunks			2.0 (0.3)		53.7 (32.3)		28.8 (12.3)		159.9 (70.0)		31.5 (15.3)		16.3 (7.3)	

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