

***Antrodiella stipitata* sp. nov.
from Heilongjiang Province, northeast China,
and a critical checklist of polypores from the area**

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Abstract – Four hundreds and eleven specimens of wood-inhabiting fungi were collected in Hulin and Ningan County, respectively in eastern and southern Heilongjiang province during September 2004. One hundred and twenty two polypores species were identified among 332 poroid specimens. Three collections were found to represent an undescribed species, proposed here as *Antrodiella stipitata* H.S. Yuan & Y.C. Dai. A checklist of poroid Aphyllophorales from the studied area is provided.

Basidiomycota / Heilongjiang / polypores / taxonomy

INTRODUCTION

Heilongjiang Province has the most important boreal and temperate forest resources in China, mainly located in the Great Hinggan, the Lesser Hinggan., the Zhanguangcai, and the Wanda mountain ranges. Wood-inhabiting fungi, especially polypores, are an important component of these forest ecosystems, playing a key role in the turn over of woody materials.

During a survey of polypores in northern Heilongjiang, 115 species had been recorded (Dai *et al.*, 2004). However, reports on wood-inhabiting species in the southern and eastern part of this province were still scanty, and presently, about 20 species are recorded from the area (Dai, 2000; Núñez & Ryvarde, 2000, 2001; Zhao & Zhang, 1992). As a continuation this survey, collections have been made during September 2004 in eastern and southern area of Heilongjiang. Four hundreds and eleven specimens of wood-inhabiting fungi, of which 332 poroid specimens, were collected, representing a total of 122 species. Among these, 2 collections were found to represent an undescribed species, proposed here as *Antrodiella stipitata* H.S. Yuan & Y.C. Dai. A checklist of the polypore species from Heilongjiang is provided.

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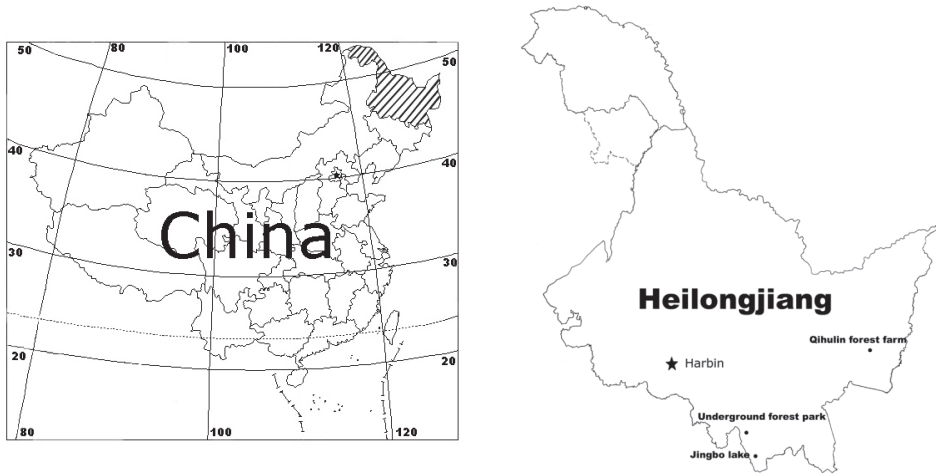


Fig. 1. The location of Heilongjiang Province (shaded, in left map) in China and research areas (black dots, in right map)

MATERIALS AND METHODS

The materials studied were collected by the authors in Qihulin Forest Farm (Hulin County, eastern Heilongjiang), and the forests of Jingbo Lake area and the Underground Forest Park (Ningan County, southern Heilongjiang, Fig. 1). The forests in Qihulin Forest Farm are mostly secondary natural regeneration, and the main trees are deciduous species, e.g. *Alnus*, *Betula*, *Quercus*, *Populus*, *Salix*, *Acer*, *Carya*, *Tilia*, *Prunus*, *Ulmus*, *Syringa*. The forests in Ningan County lie on the foothill of the Changbai Mts. Range, and although most are secondary, some spots of virgin forests are still present in Underground Forest Park. The forest are mixed coniferous (*Abies*, *Pinus*, *Larix*) and broad-leaf tree (*Betula*, *Populus*, *Tilia*, *Acer*, *Alnus*, *Ulmus*, etc.).

The specimens examined were deposited at IFP (herbarium, Institute of Applied Ecology). The microscopic routine used in the study is as presented by Niemelä *et al.* (2004). In the text the following abbreviations are used: L = mean spore length (arithmetical mean of all spores), W = mean spore width (arithmetical mean of all spores), Q = variation in the L/W ratios between the specimens studied (quotient of the mean spore length and the mean spore width; smallest and biggest value given), n = the number of spores measured from given number of specimens. In presenting the variation in the size of spores, 5% of the measurements were excluded from each end of the range, and are given in parentheses; IKI stands for Melzer's reagent and CB is the abbreviation of Cotton Blue. CB+ means cyanophilous and CB- acyanophilous, and IKI- means neither amyloid nor dextrinoid. Special colour terms are from Peterson (1996).

In the following, an alphabetical list (according to genera) of poroid Aphylophorales is presented. Authors of scientific names follow the second edition of Authors of Fungal Names (<http://www.indexfungorum.org/AuthorsOfFungalNames.htm>). Substrate and collection number are supplied after the name of each polypore, and the hosts are listed alphabetically.

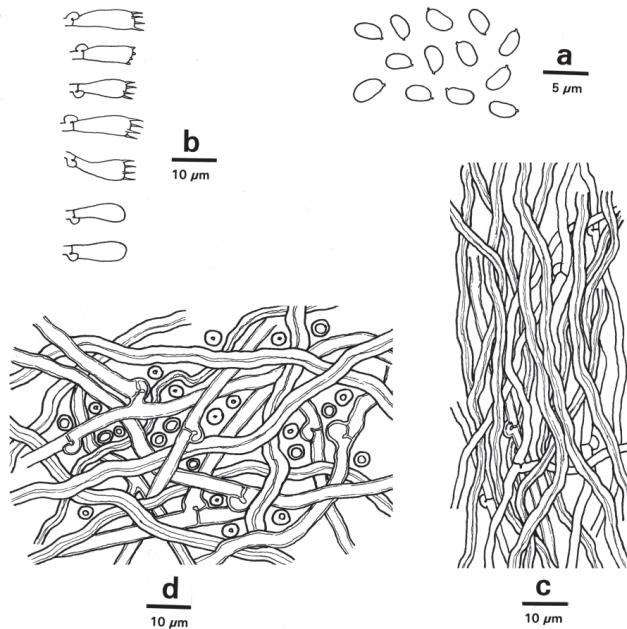


Fig. 2. *Antrodiella stipitata* (from holotype). **a.** Basidiospores. **b.** Basidia and basidioles. **c.** Hyphae from trama. **d.** Hyphae from context.

TAXONOMY

Antrodiella stipitata H.S. Yuan & Y.C. Dai, sp. nov. (Fig. 2)

Carpophorum *annuum*, *lateraliter stiptiatum*, *colore pilei album vel cremeum*. *Facies pororum alba vel cremaea*; *pori 8-11 per mm*. *Systema hypharum dimiticum*, *hyphae generatoriae fibulatae*, *hyphae skeletales contexti 2-4.5 µm in diam*. *Sporae perlato-ellipsoideae*, $3.1-4.0 \times 2.0-2.5 \mu\text{m}$.

Holotype: CHINA, Heilongjiang Prov., Hulin County, Qihulin Forest Farm, on fallen trunk of an unidentified angiosperm, 11 September 2004, H.S.Yuan 481 (holotype in IFP).

Etymology. — *Stipitata* (Lat.): referring to the stipitate basidiocarps.

Basidiomes — Annual, laterally stipitate, several pilei arising from a common base, consistency leathery when fresh, drying corky and light in weight, without odor or taste when fresh; *stipe* cylindrical, up to 5 mm long, 1-2 mm diam., cream colored; *pilei* spatulate, flabelliform to circular, 1.5-2.0 cm diam, 1-3 mm thick at center, azonate to faintly zonate, smooth, white to cream when fresh, becoming cream upon drying; *margin* sharp, curved down upon drying; *pore surface* white when fresh, becoming cream upon drying, decurrent on stipe; *pores* angular, 8-11 per mm; *dissepiments* thin, lacerate with age; *context* white, coriaceous, up to 2.0 mm thick at centre; *tube layer* concolorous with pore surface, fragile when dry, up to 1 mm thick.

Hyphal system — dimitic both in the context and the hymenophoral trama; *generative hyphae* with clamp connections; *skeletal hyphae* IKI–, CB+, unchanged in KOH.

Context — *Generative hyphae* frequent, hyaline, thin-walled, occasionally branched, flexuous, 2.0-4.0 μm diam.; *skeletal hyphae* thick-walled with a narrow lumen to subsolid, occasionally branched, flexuous, interwoven, 2.0-4.5 μm diam.

Tubes — *Generative hyphae* hyaline, thin- to slightly thick-walled. This is a repeat of what is said above “generative hyphae with clamps”. Furthermore, you mention frequently with clamps, what means that some have no clamps? then you have to change it above in the hyphal system headings? sparsely branched, 1.8-3.0 μm diam.; *skeletal hyphae* thick-walled with a narrow lumen to subsolid, rarely branched, flexuous, more or less subparallel along tubes or loosely interwoven, 1.8-3.5 μm diam. *Cystidia* and *cystidioles* absent; *basidia* clavate, with a basal clamp connection and four sterigmata, 9.0-13 \times 4.0-5.0 μm ; *basidioles* mostly clavate, slightly smaller than basidia.

Basidiospores — Broadly ellipsoid, hyaline, thin-walled, smooth, IKI–, CB–, 3.0-4.0(-4.5) \times 2.0-2.5 μm , L = 3.4 μm , W = 2.2 μm , Q = 1.5-1.6 (n = 91/3).

Other specimens examined (paratype) — CHINA: Heilongjiang Prov., Ninggan County, Underground Forest Park, on fallen trunk of *Populus*, 15 September 2004 H.S. Yuan 678 (IFP, H); Liaoning Prov., Kuandian County, Baishilazi Nature Reserve, on fallen trunk of angiosperm, 31 August 2004 B.K. Cui 1050 (IFP).

Remarks. — *Antrodiella stipitata* could be compared to *A. liebmannii* (Fr.) Ryvar den, another species with stipitate basidiomes. However, the latter differ in having a chestnut to deep bay pileus, smaller pores, 14-16 per mm, slightly narrower basidiospores, 2.8-3.8 \times 1.5-2 μm (Dai, 2004), and a different ecology, occurring in tropical forest. *Antrodiella romellii* (Donk) Niemelä share with *A. stipitata* similar basidiospores and a related ecology, occurring in the same kind of forest, but the former form resupinate basidiomes, and its pores are larger, 4-5 per mm.

CHECKLIST OF POLYPORE FROM EASTERN AND SOUTHERN HEILONGJIANG

1. *Anomoporia flavissima* Niemelä, *Abies*, Yuan 595; *Pinus*, Yuan 665, 732
2. *Antrodia albida* (Fr.:Fr.) Donk, *Alnus*, Yuan 710; *Quercus*, Yuan 768
3. *Antrodia carbonica* (Overh.) Ryvar den & Gilb., *Pinus*, Yuan 629
4. *Antrodia heteromorpha* (Fr.:Fr.) Donk, *Abies*, Yuan 716
5. *Antrodia leucaena* Y.C. Dai & Niemelä, angiosperm, Yuan 537, 571, 609; *Populus*, Yuan 569, 686
6. *Antrodia serialis* (Fr.) Donk, *Abies* Yuan 693; gymnosperm, Yuan 624; *Pinus*, Yuan 682, 708, 720
7. *Antrodia sichensis* (Baxter) Gilb. & Ryvar den, *Pinus*, Yuan 733
8. *Antrodia vaillantii* (DC.:Fr.) Ryvar den, *Pinus*, Yuan 540, 606, 652
9. *Antrodia xantha* (Fr.:Fr.) Ryvar den, *Pinus*, Yuan 558, 638, 707
10. *Antrodiella albocinnamomea* Y.C. Dai & Niemelä, *Tilia*, Yuan 514
11. *Antrodiella* cf. *americana* Ryvar den & Gilb., *Alnus*, Yuan 615; *Betula*, Yuan 614
12. *Antrodiella gypsea* (Yasuda) T. Hattori & Ryvar den, *Abies*, Yuan 542, 551, 586, 636, 659, 687; *Pinus*, Yuan 564, 640, 641, 700, 701, 736

13. *Antrodiella romellii* (Donk) Niemelä *sensu lato*, angiosperm, *Yuan* 444, 471; *Populus*, *Yuan* 675
14. *Antrodiella stipitata* H.S. Yuan & Y.C. Dai, angiosperm, *Yuan* 481; *Populus* *Yuan* 678
15. *Antrodiella ussuri* Y.C. Dai & Niemelä, *Alnus*, *Yuan* 453, 459, 473, 726; angiosperm, *Yuan* 511
16. *Bjerkandera adusta* (Willd.:Fr.) P. Karst., angiosperm, *Yuan* 443, 563; *Pinus*, *Yuan* 626; *Tilia*, *Yuan* 544
17. *Bjerkandera fumosa* (Pers.:Fr.) P. Karst., *Alnus*, *Yuan* 454; angiosperm, *Yuan* 462; *Populus*, *Yuan* 517
18. *Castanoporus castaneus* (Lloyd) Ryvardeen, *Pinus*, *Yuan* 695
19. *Ceriporia excelsa* (S. Lundell) Parmasto, *Pinus*, *Yuan* 655
20. *Ceriporia purpurea* (Fr.) Donk, *Populus*, *Yuan* 556
21. *Ceriporia spissa* (Schwein.:Fr.) Rajchenb. *sensu lato*, angiosperm, *Yuan* 498; *Tilia*, *Yuan* 661
22. *Ceriporiopsis gilvescens* (Bres.) Domański, angiosperm, *Yuan* 458, 522, 727; *Populus*, *Yuan* 438
23. *Ceriporiopsis mucida* (Pers.:Fr.) Gilb. & Ryvardeen, *Pinus*, *Yuan* 737
24. *Cerrena unicolor* (Bull.:Fr.) Murrill, *Alnus*, *Yuan* 469; *Ulmus*, *Yuan* 387
25. *Daedalea dickinsii* Yasuda, *Quercus*, *Yuan* 475, 512, 759, 764, 780
26. *Daedaleopsis confragosa* (Bolton:Fr.) J. Schroet., angiosperm, *Yuan* 384, 404; *Salix*, *Yuan* 411, 450, 747
27. *Daedaleopsis sinensis* (Lloyd) Y.C. Dai, *Betula*, *Yuan* 401, 408
28. *Daedaleopsis tricolor* (Bull.:Mérat) Bondartsev & Singer, angiosperm, *Yuan* 400; *Tilia*, *Yuan* 631
29. *Datronia scutellata* (Schwein.) Gilb. & Ryvardeen, *Alnus*, *Yuan* 429
30. *Datronia* sp. 1, *Acer*, *Yuan* 702
31. *Datronia stereoides* (Fr.) Ryvardeen, angiosperm *Yuan* 611; *Populus*, *Yuan* 672
32. *Diplomitoporus lindbladii* (Berk.) Gilb. & Ryvardeen, *Pinus*, *Yuan* 574
33. *Fomes fomentarius* (L.:Fr.) Fr., *Betula*, *Yuan* 550; *Salix*, *Yuan* 385
34. *Fomitiporia punctata* (P. Karst.) Murrill, *Alnus*, *Yuan* 442; angiosperm, *Yuan* 386; *Populus*, *Yuan* 440; *Quercus*, *Yuan* 750; *Tilia*, *Yuan* 650
35. *Fomitopsis cajanderi* (P. Karst.) Kotl. & Pouzar, *Abies*, *Yuan* 685
36. *Fomitopsis pinicola* (Sw.:Fr.) P. Karst., *Alnus*, *Yuan* 470, 479; *Tilia*, *Yuan* 534
37. *Fomitopsis rosea* (Alb. & Schwein.:Fr.) P. Karst., *Abies*, *Yuan* 546
38. *Funalia trogii* (Berk.) Bondartsev & Singer, *Salix*, *Yuan* 709
39. *Funalia cervina* (Schwein.:Fr.) Y.C. Dai, *Ulmus*, *Yuan* 782
40. *Ganoderma lipsiense* (Batsch) G.F. Atk., angiosperm, *Yuan* 402
41. *Gelatoporia pannocincta* (Romell) Niemelä, *Betula*, *Yuan* 746
42. *Gelatoporia subvermisporea* (Pilát) Niemelä, *Pinus*, *Yuan* 578
43. *Gloeophyllum abietinum* (Bull.:Fr.) P. Karst., *Abies*, *Yuan* 554
44. *Gloeophyllum odoratum* (Wulfen:Fr.) Imazeki, *Pinus*, *Yuan* 635
45. *Gloeoporus dichrous* (Fr.:Fr.) Bres., *Acer* 776; *Alnus*, *Yuan* 464, 483; *Betula*, *Yuan* 441; *Populus*, *Yuan* 559; *Salix*, *Yuan* 383
46. *Heterobasidion insulare* (Murrill) Ryvardeen, *Abies*, *Yuan* 731
47. *Inonotus hispidus* (Bull.:Fr.) P. Karst., angiosperm, *Yuan* 492; *Populus*, *Yuan* 487
48. *Inonotus radiatus* (Sowerby:Fr.) P. Karst., *Alnus*, *Yuan* 409, 468
49. *Irpex lacteus* (Fr.:Fr.) Fr. *sensu lato*, *Alnus*, *Yuan* 431; angiosperm, *Yuan* 389, 649; *Carya*, *Yuan* 418; *Maackia*, *Yuan* 771
50. *Ischnoderma benzoinum* (Wahlenb.:Fr.) P. Karst., *Abies*, *Yuan* 679
51. *Ischnoderma resinsum* (Fr.) P. Karst., *Acer*, *Yuan* 523

52. *Junghuhnia collabens* (Fr.) Ryvardeen, *Pinus*, Yuan 669
53. *Junghuhnia luteoalba* (P. Karst.) Ryvardeen, *Acer*, Yuan 557; *Populus*, Yuan 618
54. *Junghuhnia nitida* (Pers.:Fr.) Ryvardeen, *Alnus*, Yuan 714; angiosperm, Yuan 507; *Populus*, Yuan 588, 680, 743; *Tilia*, Yuan 562
55. *Laetiporus sulphureus* (Bull.:Fr.) Murrill, *Abies*, Yuan 577; *Quercus*, Yuan 437
56. *Lenzites betulinus* (L.:Fr.) Fr., *Alnus*, Yuan 460; *Betula*, Yuan 593, 787; *Ulmus*, Yuan 446
57. *Nigroporus ussuriensis* (Bondartsev & Ljub.) Y.C. Dai & Niemelä, angiosperm, Yuan 490
58. *Oligoporus obductus* (Berk.) Gilb. & Ryvardeen, *Abies*, Yuan 646; angiosperm, Yuan 730; *Pinus*, Yuan 575, 594
59. *Oligoporus sericeomollis* (Romell) Bondartseva, *Abies*, Yuan 581, 662; *Pinus*, Yuan 587, 608, 610
60. *Oxyporus corticola* (Fr.) Ryvardeen, *Abies*, Yuan 552, 599, 713; *Acer*, Yuan 448, 456; *Pinus*, Yuan 706
61. *Oxyporus obducens* (Pers.:Fr.) Donk, angiosperm, Yuan 504, 694
62. *Oxyporus populinus* (Schumach.:Fr.) Donk, *Acer*, Yuan 681; *Fraxinus*, Yuan 442a
63. *Parmastomyces mollissimus* (Maire) Pouzar, *Abies*, Yuan 664; angiosperm, Yuan 660
64. *Perenniporia maackiae* (Bondartsev & Ljub.) Parmasto, *Maackia*, Yuan 749, 774
65. *Perenniporia ochroleuca* (Berk.) Ryvardeen, *Alnus*, Yuan 426; *Quercus*, Yuan 467
66. *Perenniporia subacida* (Peck) Donk, *Pinus*, Yuan 535, 582, 590, 645, 647, 689
67. *Phellinidium sulphurascens* (Pilát) Y.C. Dai, *Larix*, Yuan 602; *Pinus*, Yuan 605, 625, 677
68. *Phellinus baumii* Pilát, *Synga*, Yuan 436
69. *Phellinus ferruginosus* (Schrad.:Fr.) Pat., *Alnus*, Yuan 424, 711; angiosperm, Yuan 725
70. *Phellinus gilvus* (Schwein.:Fr.) Pat., *Carya*, Yuan 518; *Quercus*, Yuan 466, 748, 791
71. *Phellinus laevigatus* (P. Karst.) Bourdot & Galzin, *Betula*, Yuan 424, 427, 515, 597, 705
72. *Phellinus lundellii* Niemelä, *Betula*, Yuan 434, 591
73. *Phellinus nigrolimitatus* (Romell) Bourdot & Galzin, *Abies*, Yuan 722; *Pinus*, Yuan 548
74. *Phellinus pini* (Brot.:Fr.) A. Ames, *Pinus*, Yuan 584
75. *Phellinus tremulae* (Bondartsev) Bondartsev & Borisov, angiosperm, Yuan 648; *Populus*, Yuan 601
76. *Piptoporus betulinus* (Bull.:Fr.) P. Karst., *Betula*, Yuan 428, 612
77. *Polyporus badius* (Pers.:Gray) Schwein., *Populus*, Yuan 432
78. *Polyporus brumalis* Pers.:Fr., *Quercus*, Yuan 789
79. *Polyporus elegans* (Bulliard) Trog, angiosperm, Yuan 524
80. *Polyporus hemicapnodes* Berk. & Broome, *Alnus*, Yuan 480
81. *Polyporus mongolicus* (Pilát) Y.C. Dai, *Acer*, Yuan 715; *Alnus*, Yuan 525; angiosperm, Yuan 430, 691; *Tilia*, Yuan 560
82. *Polyporus mori* (Pollini:Fr.) Fr., angiosperm, Yuan 769; *Maackia*, Yuan 751
83. *Polyporus squamosus* (Huds.:Fr.) Fr., *Acer*, Yuan 480a
84. *Polyporus tubaeformis* (P. Karst.) Ryvardeen & Gilb., *Abies*, Yuan 692
85. *Polyporus varius* Pers.:Fr., *Quercus*, Yuan 784

86. *Poriodontia subvinosa* Parmasto, *Abies*, Yuan 538, 632
87. *Postia alni* Niemelä & Vampola *sensu lato*, *Alnus*, Yuan 465, 688, 712; angiosperm, Yuan 397; *Betula*, Yuan 622
88. *Postia ceriflua* (Berk. & M.A. Curtis) Jülich, *Quercus*, Yuan 792
89. *Postia fragilis* (Fr.:Fr.) Jülich, *Abies*, Yuan 603
90. *Postia lateritia* Renvall, *Pinus*, Yuan 573
91. *Postia leucomallella* (Murrill) Jülich, *Pinus*, Yuan 727
92. *Pouzaroporia subrufa* (Ellis & Dearn.) Vampola., *Populus*, Yuan 491
93. *Protomerulius caryae* (Schwein.) Ryvarden, angiosperm, Yuan 398; *Populus*, Yuan 484
94. *Pycnoporellus fulgens* (Fr.) Donk, *Abies*, Yuan 644
95. *Pycnoporus cinnabarius* (Jacq.:Fr.) P. Karst., *Betula*, Yuan 395; *Tilia*, Yuan 738
96. *Pycnoporus sanguineus* (L.:Fr.) Murrill, *Quercus*, Yuan 794
97. *Pyrrhoderma scaura* (Lloyd) Ryvarden, *Alnus*, Yuan 503; angiosperm, Yuan 410; *Populus*, Yuan 509
98. *Rigidoporus crocatus* (Pat.) Ryvarden, *Abies*, Yuan 674; *Pinus*, Yuan 642; *Tilia*, Yuan 698
99. *Rigidoporus eminens* Y.C. Dai, *Acer*, Yuan 508, 513, 519; angiosperm, Yuan 439, 445; *Ulmus*, Yuan 510
100. *Schizopora flavipora* (Cooke) Ryvarden, *Acer*, Yuan 752, 773, 783; *Carya*, Yuan 447, 452; *Pinus*, Yuan 621; *Prunus*, Yuan 407; *Quercus*, Yuan 753, 763, 765, 777; *Salix*, Yuan 405, 472
101. *Schizopora cf. paradoxa* (Schrad.:Fr.) Donk, *Quercus*, Yuan 451
102. *Skeletocutis biguttulata* (Romell) Niemelä, *Pinus*, Yuan 555
103. *Skeletocutis nivea* (Jungh.) Jean Keller, *Alnus*, Yuan 423; *Betula*, Yuan 598, 609, 744, 778; *Carya*, Yuan 756; *Pinus*, Yuan 604; *Quercus*, Yuan 766, 781; *Ulmus*, Yuan 658
104. *Skeletocutis odora* (Sacc.) Ginns, gymnosperm, Yuan 651
105. *Skeletocutis stellae* (Pilát) Jean Keller, gymnosperm, Yuan 742
106. *Skeletocutis subvulgaris* Y.C. Dai, *Abies*, Yuan 653; *Pinus*, Yuan 596, 623, 676, 699
107. *Skeletocutis vulgaris* (Fr.) Niemelä & Y.C. Dai., *Pinus*, Yuan 718
108. *Spongipellis delectans* (Peck) Murrill, *Quercus*, Yuan 739
109. *Spongipellis spumeus* (Sowerby:Fr.) Pat., *Populus*, Yuan 476
110. *Trametes conchifer* (Schwein.:Fr.) Pilát, angiosperm, Yuan 455
111. *Trametes hirsuta* (Wulfen:Fr.) Pilát, angiosperm, Yuan 617
112. *Trametes ochracea* (Pers.) Gilb. & Ryvarden, *Alnus*, Yuan 474; angiosperm, Yuan 449; *Populus*, Yuan 536; *Salix*, Yuan 392
113. *Trametes suaveolens* (Fr.:Fr.) Fr., angiosperm, Yuan 396
114. *Trametes velutina* (Fr.:Fr.) G. Cunn., *Betula*, Yuan 482; *Populus*, Yuan 589
115. *Trametes versicolor* (L.:Fr.) Pilát, *Betula*, Yuan 628; *Populus*, Yuan 545; *Prunus*, Yuan 390; *Quercus*, Yuan 793
116. *Trechispora candidissima* (Schwein.) Bondartsev & Singer, *Abies*, Yuan 568; angiosperm, Yuan 433
117. *Trichaptum abietinum* (Pers.:Fr.) Ryvarden, *Abies*, Yuan 697; *Larix*, Yuan 656; *Pinus*, Yuan 566, 667, 717
118. *Trichaptum fuscoviolaceum* (Ehrenb.:Fr.) Ryvarden, *Abies*, Yuan 666
119. *Trichaptum pargamentum* (Fr.) G. Cunn., *Betula*, Yuan 572, 728
120. *Trichaptum polycystidiatum* (Pilát) Y.C. Dai, *Quercus*, Yuan 761
121. *Tyromyces cf. fumidiceps* G. F. Atk., angiosperm, Yuan 391
122. *Wolfiporia dilatohypha* Ryvarden & Gilb., *Quercus*, Yuan 499

COMMENTS

Four hundreds and eleven specimens of wood-rotting fungi, of which 332 poroid specimens, were collected from the studied areas, representing 122 species of polypores. Some collections belong to the Corticiaceae and other groups of wood-inhabiting fungi, and will be treated separately.

Out of the 122 taxa, 61 species were found in Hulin County, 99 in Ningan County, and 38 in both areas. In the Ningan County, forests are older, and more woody resources (especially dead wood) are available, what could explain their richness in polypores species compared to other area of the same province.

Based on our inventory, 11 species, *Antrodia carbonica*, *A. sitchensis*, *Castanoporus castaneus*, *Nigroporus ussuriensis*, *Postia lateritia*, *Pouzaroporia subrufa*, *Pycnoporellus fulgens*, *Skeletocutis stellae*, *Trametes conchifer*, *Tyromyces* cf. *fumidiceps*, and *Wolfiporia dilatohypha* can be considered as rare in the studied area. Most of these species are also uncommon in neighboring provinces (Dai, 2003). Eighteen species, *Antrodia leucaena*, *A. serialis*, *Antrodiella gypsea*, *Bjerkandera adusta*, *Daedalea dickinsii*, *Fomitiporia punctata*, *Gloeoporus dichrous*, *Irpex lacteus*, *Oligoporus sericeomollis*, *Oxyporus corticola*, *Perenniporia subacida*, *Polyporus mongolicus*, *Postia alni*, *Schizopora flavipora*, *Skeletocutis nivea*, *Trametes ochracea*, *T. versicolor* and *Trichaptum abietinum* were the most frequently encountered in the studied areas.

A small specimen of *Datronia* Donk could not be satisfactorily identified to any of the species of the genus. It has resupinate basidiocarps, and circular to angular pores, 4-5 per mm, abundant dendrohyphidia in the dissepimental edges, and fusoid cystidioles are frequent in hymenium. The basidiospores are cylindrical, hyaline, thin-walled, $(6.2-6.5-8.0(-8.9) \times 1.9-2.6(-2.8) \mu\text{m}$, $L = 7.20 \mu\text{m}$, $W = 2.22 \mu\text{m}$, $Q = 3.24$. *Datronia stereoides* is similar in macromorphology, but has larger basidiospores ($8-11 \times 3-3.6 \mu\text{m}$). This collection might represent an undescribed species of *Datronia*. However, because of the paucity of the material so far available, we will refrain to described it as new, and leave it for the time being as *Datronia* sp.

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