

A checklist of *Hymenochaetaceae* from Northeast Brazil

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ABSTRACT — This study is an update of the available data about species of *Hymenochaetaceae* from Northeast Brazil. This revision is based on literature and herbaria revision besides recent field trips in the Atlantic Rain Forest and Caatinga biomes. Currently, there are 64 species and 12 genera of *Hymenochaetaceae* in Brazil. Among them, *Coltricia fragilissima* is reported for the first time in this country, while eight species are new to the Northeast region, 11 to the Brazilian semiarid and 22 to the Northeastern States.

KEY WORDS — *Agaricomycetes*, Atlantic Rain Forest, Caatinga, diversity.

Introduction

The cosmopolitan family *Hymenochaetaceae* was described by Donk in 1948 and currently comprises 27 genera and 487 species (Kirk et al. 2008). All members of the family cause a white rot and most of them are wood-inhabiting, but some are plant pathogens and a few are even ectomycorrhizal. Species of *Hymenochaetaceae* are characterized by basidiomata being resupinate to pileate, annual to perennial, yellow to rusty brown, with a smooth, hydroid or poroid hymenophore, a xanthochroic reaction in KOH, mono- to dimittic hyphal system, absence of clamp connections and cystidia, the frequent occurrence of hyaline to yellowish or brown setae, and usually smooth basidiospores (Larsson et al. 2006, Ryvarden 2004).

Some studies about new records and new species of *Hymenochaetaceae* from Northeast Brazil have recently been published (Baltazar et al. 2010, 2012, Drechsler-Santos et al. 2010, 2013, Gomes-Silva et al. 2012) and most of the data were compiled in the Lista de Espécies da Flora do Brasil (Gibertoni et al. 2015). However, new records about the diversity of *Hymenochaetaceae* were recently found in the area.

Thus, this study is a revision of the available data and an update of the records of species of *Hymenochaetaceae* from the Brazilian Northeast.

Materials & methods

Brazil is divided in five regions (North, Northeast, Midwest, Southeast and South), subdivided in the Distrito Federal (DF) plus 26 states: Acre (AC); Alagoas (AL); Amazonas (AM); Amapá (AP); Bahia (BA); Espírito Santo (ES); Maranhão (MA); Minas Gerais (MG); Mato Grosso (MT); Mato Grosso do Sul (MS); Pará (PA); Paraíba (PB); Pernambuco (PE); Piauí (PI); Paraná (PR); Rio de Janeiro (RJ); Rio Grande do Norte (RN); Rondônia (RO); Roraima (RR); Rio Grande do Sul (RS); Santa Catarina (SC); Sergipe (SE); São Paulo (SP); Tocantins (TO). The Northeastern Brazilian (NE Brazil) is divided in nine states (AL, BA, CE, MA, PB, PE, PI, RN and SE) and occupies an area of 1,558,196 km² (18% of Brazilian territory). It is a heterogeneous area covered by several landscapes and biomes that differ in soil, vegetation, relief, altitude and precipitation (IBGE 2015). There are three predominant biomes in this region: 1) Caatinga, that covers 70% of territory, 2) Cerrado, covering 14% and 3) Atlantic Rain Forest, with 2.21% of area (Castro 1996, Ministério do Meio Ambiente 2002, Tabarelli et al. 2006).

This checklist is based on recent literature and review of databases (Baltazar & Gibertoni 2009; Baltazar et al. 2010, 2012; Drechsler-Santos et al. 2010, 2013; Gibertoni et al. 2015), revision of Herbaria HUEFS, IPA and URM and field trips in the Atlantic Rain Forest and Caatinga biomes of Northeast Brazil from 2010 to 2015. The specimens were deposited in Herbaria URM and O. Herbaria acronyms followed Thiers (1997).

The classification and nomenclature followed the databases Index Fungorum (<http://www.indexfungorum.org>) and Mycobank (<http://www.mycobank.org>). The data of distribution of taxa in Brazil were checked against 'Lista de Espécies da Flora do Brasil' (<http://floradobrasil.jbrj.gov.br/>) and 'Herbário Virtual da Flora e dos Fungos' (<http://inct.splink.org.br/>).

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Checklist of species of *Hymenochaetaceae* from Northeastern Brazil

Previously, 57 species were listed to occur in Northeast Brazil. After literature and herbaria revision and field trips, nine species were added, totaling 64 species distributed in 12 genera of *Hymenochaetaceae*. *Coltricia fragilissima* (Mont.) Ryvar den is a new record to Brazil, eight to Northeast region, 11 to the Brazilian semiarid and 22 to several Northeastern States.

Coltricia cinnamomea (Jacq.) Murrill, Bulletin of the Torrey Botanical Club 31(6): 343 (1904)

Description: Ryvar den (2004).

Distribution in Brazil: AM, PA, PE, PR, RO, RJ, RS, SE (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: URM 80105 (PE), URM 77453 (SE).

Coltricia folicola (Berk. & M.A. Curtis) Murrill, North American Flora 9(2): 92 (1908)

Description: Ryvar den (2004).

Distribution in Brazil: AP, PB, RN (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: URM 80100 (PB), URM 80099 (RN).

Coltricia fragilissima (Mont.) Ryvar den, Nordic Journal of Botany 2(1): 78 (1982)

Description: Ryvar den (2004).

Distribution in Brazil: PI. A new record to Brazil. This specie was cited for Brazil by Gomes-Silva et al. (2008), but the specimen was actually *Coltriciella oblectabilis* (Lloyd) Kotl., Pouzar & Ryvar den

(Baltazar et al. 2010).

Selected voucher from NE Brazil: URM 85063 (PI).

Coltricia hamata (Romell) Ryvar den, Svensk Botanisk Tidskrift 68: 276 (1974)

Description: Ryvar den (2004).

Distribution in Brazil: AM, AP, PA, RO, RR (Gibertoni et al. 2015). New to Northeast Brazil.

Selected voucher from Northeast: PB (URM 86020).

Coltricia montagnei (Fr.) Murrill, Mycologia 12(1): 13 (1920)

Description: Ryvar den (2004).

Distribution in Brazil: AM, RO (Gibertoni et al. 2015). New to Northeast Brazil.

Selected voucher from NE Brazil: PI (URM 83828).

Coltricia permollis Baltazar & Gibertoni, Mycologia 102(6): 1257 (2010)

Description: Baltazar et al. (2010).

Distribution in Brazil: PB, SE (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: URM 80118 (PB), URM 77453 (SE).

Coltricia velutina Baltazar & Gibertoni, Mycologia 102(6): 1258 (2010)

Description: Baltazar et al. (2010).

Distribution in Brazil: PE, RO (Gibertoni et al. 2015).

Selected voucher from NE Brazil: URM 80112 (PE).

Coltriciella navispora T.W. Henkel, Aime & Ryvar den, Mycologia 95(4): 617 (2003)

Description: Aime et al. (2003).

Distribution in Brazil: AM, PB, PE (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: URM 77456 (PB), URM 80102 (PE).

Dichochaete setosa (Sw.) Parmasto, Folia Cryptogamica Estonica 37: 57 (2001) [2000]

Description: Parmasto (2001).

Distribution in Brazil: PE, RS (Gibertoni et al. 2015). New to the Brazilian semiarid.

Selected vouchers from NE Brazil: URM 86072 (PB), URM 77236 (PE).

Fomitiporella piptadeniae (Teixeira) Teixeira, Revista Brasileira de Botânica 15 (2): 126 (1992)
 Description: Ryvarden (2004).
 Distribution in Brazil: BA, CE, PE, PI, SP (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: URM 83431 (BA), URM 83206 (CE), URM 80825 (PE), URM 81189 (PI).

Fomitiporella umbrinella (Bres.) Murrill, North American Flora 9(1): 13 (1907)
 Description: Dai (2010).
 Distribution in Brazil: AL, BA, MT, PA, PE, PR, RN, RS, SC, SE, SP (Gibertoni et al. 2015). New to PB and PI.
 Selected vouchers from NE Brazil: URM 86468 (PB), URM 83993 (PI), URM 77809 (RN), URM 77800 (AL), HUEFS 61540 (BA), URM 77802 (PE), URM 77799 (SE).

Fomitiporia maxonii Murrill, North American Flora 9 (1): 11 (1907)
 Description: Ryvarden (2004).
 Distribution in Brazil: PE, PI, PR, RN, RS (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: URM 81156 (PE), URM 83979 (PI), URM 77787 (RN).

Fulvifomes melleoporos (Murrill) Baltazar & Gibertoni, Mycotaxon 111: 205 (2010)
 Description: Ryvarden (2004).
 Distribution in Brazil: BA, RN, MS (Gibertoni et al. 2015). First record to CE, PB and PI.
 Selected vouchers from NE Brazil: HUEFS 41471 (BA), URM 84128 (CE), URM 85649 (PB), URM 83610 (PI), 77789 (RN).

Fulvifomes membranaceus (J.E. Wright & Blumenf.) Baltazar & Gibertoni, Mycotaxon 111: 206 (2010)
 Description: Ryvarden (2004).
 Distribution in Brazil: BA, PA, PE (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: HUEFS 41452 (BA), URM 81294 (PE).

Fulvifomes merrillii (Murrill) Baltazar & Gibertoni, Mycotaxon 111: 206 (2010)
 Description: Ryvarden (2004).
 Distribution in Brazil: BA, PA, PE, PR, RO, TO (Gibertoni et al. 2015).
 Selected voucher from NE Brazil: HUEFS 61552 (BA), URM 83066 (PE).

Fulvifomes nilgheriensis (Mont.) Bondartseva & S. Herrera, Mikologiya i Fitopatologiya 26(1): 13 (1992)
 Description: Ryvarden & Johansen (1984).
 Distribution in Brazil: AM, BA, PE, RO, RS, SP, TO (Gibertoni et al. 2015).
 Selected voucher from NE Brazil: URM 77595 (PE). No voucher was found to BA.

Fuscoporia callimorpha (Lév.) Groposo, Log.-Leite & Góes-Neto, Mycotaxon 101: 57 (2007)
 Description: Groposo et al. (2007).
 Distribution in Brazil: SC, SP (Gibertoni et al. 2015). New to Northeast Brazil.
 Selected vouchers from NE Brazil: URM 86090 (PB), URM 86092 (PE).

Fuscoporia contigua (Pers.) G. Cunn., Bulletin of the New Zealand Department of Industrial Research 73: 4 (1948)
 Description: Ryvarden (2004).
 Distribution in Brazil: AL, BA, PE, RS, SC (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: URM 77594 (AL), URM 83164 (BA), URM 82205 (PE).

Fuscoporia ferrea (Pers.) G. Cunn., Bulletin of the New Zealand Department of Industrial Research 73: 7 (1948)
 Description: Ryvarden (2004).
 Distribution in Brazil: PE, RS, SC, SP (Gibertoni et al. 2015). New to the Brazilian semiarid.
 Selected vouchers from NE Brazil: URM 83970 (CE), URM 81180 (PE).

Fuscoporia ferruginosa (Schrad.) Murrill, North American Flora 9(1): 5 (1907)

Description: Ryvardeen (2004).

Distribution in Brazil: PE, RN, RS, SC (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: URM 77613 (PE), URM 77612 (RN).

Fuscoporia gilva (Schwein.) T. Wagner & M. Fisch., Mycologia 94(6): 1013 (2002)

Description: Ryvardeen (2004).

Distribution in Brazil: AC, AL, AM, AP, BA, MT, MS, PA, PE, PB, PI, PR, RN, RO, RJ, RR, RS, SE, SC, SP (Gibertoni et al. 2015). New to CE.

Selected vouchers from NE Brazil: URM 77711 (AL), HUEFS 61515 (BA), URM 84554 (CE), URM 77626 (PB), URM 77630 (PE), URM 83183 (PI), HUEFS 175084 (RN), URM 77647 (SE).

Fuscoporia senex (Nees & Mont.) Ghob.-Nejh., Mycotaxon 101: 208 (2007)

Description: Ryvardeen (2004).

Distribution in Brazil: AM, BA, MA, PA, PE, PR, MS, SC, SP (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: URM 83094 (BA), URM 9624 (MA), URM 80459 (PE).

Fuscoporia undulata (Murrill) Bondartseva & S. Herrera, Mikologiya i Fitopatologiya 26(1): 13 (1992)

Description: Ryvardeen (2004).

Distribution in Brazil: AL, PA, SC (Gibertoni et al. 2015). New to the Brazilian semiarid.

Selected vouchers from NE Brazil: URM 77817 (AL), URM 86086 (PB).

Fuscoporia wahlbergii (Fr.) T. Wagner & M. Fisch., Mycological Research 105(7): 780 (2001)

Description: Ryvardeen (2004).

Distribution in Brazil: BA, PR, RJ, RS, SC, SP (Gibertoni et al. 2015).

Selected voucher from NE Brazil: HUEFS 132273 (BA).

Hydnochaete peroxydata (Berk. ex Cooke) Dennis, Kew Bulletin Additional Series 3: 105 (1970)

Description: Ryvardeen (1982).

Distribution in Brazil: PE, PR, RJ, RS, SC, SP (Gibertoni et al. 2015).

Selected voucher from NE Brazil: URM 77239 (PE).

Hymenochaete ceratophora Job, Revista Invest. Agropec.: 146 (1985)

Description: Parmasto (2000).

Distribution in Brazil: AL, PR, RS, SP (Gibertoni et al. 2015).

Selected voucher from NE Brazil: URM 77235 (AL).

Hymenochaete damicornis (Link) Lév., Annales des Sciences Naturelles Botanique 3 5: 151 (1846)

Description: Parmasto (2001).

Distribution in Brazil: AC, AM, AL, MT, PA, PB, PE, PI, RO, RR, RS, SE, SC, SP (Gibertoni et al. 2015). New to the Brazilian semiarid.

Selected vouchers from NE Brazil: URM 77247 (AL), URM 83356 (BA), URM 85979 (PE), URM 83615 (PI), URM 77244 (SE).

Hymenochaete leonina Berk. & M.A. Curtis, Botanical Journal of the Linnean Society 10(46): 334 (1868) [1869]

Description: Parmasto (2001).

Distribution in Brazil: AM, AL, MT, PE, PB, RN, RO, RR, RS, SC (Gibertoni et al. 2015). New to PB.

Selected vouchers from NE Brazil: URM 77260 (AL), URM 86069 (PB), URM 77266 (PE), URM 77264 (RN).

Hymenochaete luteobadia (Fr.) Höhn. & Litsch., Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften Math.-naturw. Klasse Abt. I 116: 754 (1907)

Description: Parmasto (2001).

Distribution in Brazil: AM, AL, CE, MT, PA, PB, PE, PI, PR, RJ, RN, RS, SC, SE, SP (Gibertoni et al. 2015). New to the Brazilian semiarid.

Selected vouchers from NE Brazil: URM 83834 (BA), URM 77282 (PE), URM 83190 (PI), URM 77289 (RN), URM 77286 (SE). No voucher was found to CE.

Hymenochaete pinnatifida Burt, Annals of the Missouri Botanical Garden 5: 355 (1918)

Description: Parmasto (2001).

Distribution in Brazil: AM, PB, PE, PR, RS, SP (Gibertoni et al. 2015). New to the Brazilian semiarid.

Selected vouchers from NE Brazil: URM 77291 (PB), URM 77290 (PE), URM 83426 (PI).

Hymenochaete rheicolor (Mont.) Lév., Annales des Sciences Naturelles Botanique 3 5: 151 (1846)

Description: Parmasto (2001).

Distribution in Brazil: BA, ES, PE, PR, RJ, RO, RS, SC, SP (Gibertoni et al. 2015). New to CE.

Selected vouchers from NE Brazil: HUEFS 133934 (BA), URM 86057 (CE), URM 77294 (PE).

Hymenochaete tenuis Peck, Annual Report on the New York State Museum of Natural History 40: 57 (1887)

Description: Parmasto (2001).

Distribution in Brazil: BA, RS, SP (Gibertoni et al. 2015).

Selected voucher from NE Brazil: URM 9642 (BA).

Inonotus calcitratus (Berk. & M.A. Curtis) Gomes-Silva & Gibertoni, Mycoscience 54: 117 (2013)

Description: Ryvar den (2004).

Distribution in Brazil: AM, AP, BA, PA, PE, PI, RO, RS (Gibertoni et al. 2015). New to CE and PB.

Selected vouchers from NE Brazil: HUEFS 41453 (BA), URM 84511 (CE), URM 85604 (PB), URM 82507 (PE).

Inonotus dentatus Decock & Ryvar den, Synopsis Fungorum 15: 73 (2002)

Description: Ryvar den (2004).

Distribution in Brazil: RS (Gibertoni et al. 2015). New to the Brazilian Northeast.

Selected voucher from NE Brazil: URM 84537 (CE).

Inonotus iodinus (Mont.) G. Cunn., Bulletin of the New Zealand Department of Industrial Research 78: 4 (1948)

Description: Ryvar den (2004).

Distribution in Brazil: AC, AM, AP, BA, ES, MT, PA, PE, PR, RO, RR, SP, SC (Gibertoni et al. 2015).

New to the Brazilian semiarid.

Selected vouchers from NE Brazil: URM 84117 (BA), URM 77460 (PE).

Inonotus luteoumbrinus (Romell) Ryvar den, Synopsis Fungorum 21: 79 (2005)

Description: Ryvar den (2005).

Distribution in Brazil: AC, BA, MT, PE, RO, SC, TO (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: HUEFS 106106 (BA), URM 83062 (PE).

Inonotus patouillardii (Rick) Imazeki, Bull. Tokyo Sci. Mus. 6: 105 (1943)

Description: Ryvar den (2005).

Distribution in Brazil: BA, MS, PE, PR, RS, SC, SP (Gibertoni et al. 2015).

Selected voucher from NE Brazil: URM 83057 (PE). No voucher was found to BA.

Inonotus portoricensis (Overh.) Baltazar & Gibertoni, Mycotaxon 111: 206 (2010)

Description: Ryvar den & Johansen (1980).

Distribution in Brazil: AL, BA, PE, RS (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: URM 77793 (AL), HUEFS 61548 (BA), URM 81297 (PE).

Inonotus pseudoglomeratus Ryvar den, Synopsis Fungorum 15: 78 (2002)

Description: Ryvar den (2004).

Distribution in Brazil: PE (Gibertoni et al. 2015).

Selected voucher from NE Brazil: URM 81291 (PE).

Inonotus splitgerberi (Mont.) Ryvar den, Norwegian Journal of Botany 19: 232 (1972)

Description: Ryvar den (2005).

Distribution in Brazil: PE, PR, RS, SC (Gibertoni et al. 2015). New to the Brazilian semiarid.

Selected vouchers from NE Brazil: IPA 37760 (PE), URM 85114 (PI).

Inonotus tabacinus (Mont.) G. Cunn., Bulletin of the New Zealand Department of Industrial Research 78: 3 (1948)

Description: Ryvar den & Johansen (1980).

Distribution in Brazil: MT, RJ, RS, SC, SP (Gibertoni et al. 2015). New to Northeast Brazil.

Selected voucher from NE Brazil: URM 86596 (PE).

Inonotus venezuelicus Ryvar den, Mycotaxon 28(2): 529 (1987)

Description: Ryvar den (2004).

Distribution in Brazil: RN (Gibertoni et al. 2015).

Selected voucher from NE Brazil: URM 77461 (RN).

Phellinus apiahynus (Speg.) Rajchenb. & J.E. Wright, Mycologia 79(2): 251 (1987)

Description: Ryvar den (2004).

Distribution in Brazil: BA, PE, PR, RS, SC, SP (Gibertoni et al. 2015). New to PI.

Selected vouchers from NE Brazil: HUEFS 132285 (BA), URM 83060 (PE), URM 85031 (PI).

Phellinus baccharidis (Pat.) Pat., Essai taxonomique sur les familles et les genres des Hyménomycètes 97 (1900)

Description: Ryvar den (2004).

Distribution in Brazil: AC, AL, BA, PB, PE, PI, RN (Gibertoni et al. 2015). New to CE.

Selected vouchers from NE Brazil: URM 77593 (AL), HUEFS 61517 (BA), URM 83611 (CE), URM 85034 (PE), URM 83654 (PI), URM 77591 (RN).

Phellinus caryophylleus (Cooke) Ryvar den, Norwegian Journal of Botany 19: 234 (1972).

Description: Ryvar den (2004).

Distribution in Brazil: RJ, RS (Gibertoni et al. 2015). New to Northeast Brazil.

Selected voucher from NE Brazil: URM 83958 (PI).

Phellinus chryseus (Lév.) Ryvar den, A preliminary polypore flora of East Africa 151 (1980).

Description: Ryvar den (2004).

Distribution in Brazil: PE (Gibertoni et al. 2015). New to the Brazilian semiarid.

Selected vouchers from NE Brazil: URM 81293 (PE), URM 86088 (PI).

Phellinus dependens (Murrill) Ryvar den, Norwegian Journal of Botany 19(3-4): 234 (1972)

Description: Ryvar den (2004).

Distribution in Brazil: AM, PE, RS (Gibertoni et al. 2015).

Selected voucher from NE Brazil: URM 83064 (PE).

- Phellinus fastuosus*** (Lév.) Ryvar den, Norwegian Journal of Botany 19: 234 (1972)
 Description: Ryvar den (2004).
 Distribution in Brazil: AL, AM, BA, MA, MT, PA, PB, PE, PR, RN, RO, RR, RS, SC (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: URM 77771 (AL), URM 84492 (BA), URM 77758 (PB), URM 83065 (PE), URM 77752 (RN). No voucher was found to MA.
- Phellinus ferrugineovelutinus*** (Henn.) Ryvar den, Norwegian Journal of Botany 19: 234 (1972)
 Description: Ryvar den & Johansen (1980).
 Distribution in Brazil: AC, AM, PB, PE, RN (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: URM 77601 (PB), URM 77599 (PE), URM 77609 (RN).
- Phellinus grenadensis*** (Murrill) Ryvar den, Norwegian Journal of Botany 19: 234 (1972)
 Description: Ryvar den (2004).
 Distribution in Brazil: AL, BA, PE, PR, RJ, RN, SC (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: URM 80580 (AL), HUEFS 132221 (BA), URM 86494 (PE), URM 77614 (RN).
- Phellinus linteus*** (Berk. & M.A. Curtis) Teng, Chung-kuo Ti Chen-chun: 762 (1963)
 Description: Ryvar den (2004).
 Distribution in Brazil: AL, BA, CE, PB, PE, PI, PR, SE, SC (Gibertoni et al. 2015).
 Selected vouchers in NE Brazil: URM 80326 (BA), URM 80372 (CE), URM 80353 (PE), IPA 1388 (PI), URM 80553 (SE).
- Phellinus macrosporus*** Gibertoni & Ryvar den, Synopsis Fungorum 18: 51 (2004)
 Description: Gibertoni & Ryvar den (2004).
 Distribution in Brazil: PE (Gibertoni et al. 2015).
 Selected voucher from NE Brazil: URM 77582 (PE).
- Phellinus mangrovicus*** (Imazeki) Imazeki, Bulletin of the Government Forest Experimental Station Meguro 57: 114 (1952)
 Description: Ryvar den (2004).
 Distribution in Brazil: PA, PE (Gibertoni et al. 2015).
 Selected voucher from NE Brazil: URM 82200 (PE).
- Phellinus neocallimorphus*** Gibertoni & Ryvar den, Synopsis Fungorum 18: 53 (2004)
 Description: Gibertoni & Ryvar den (2004).
 Distribution in Brazil: AL, PE (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: URM 77584 (AL), URM 83310 (PE).
- Phellinus cf. palmicola*** (Berk. & M.A. Curtis) Ryvar den, Norwegian Journal of Botany 19: 235 (1972)
 Description: Ryvar den (2004).
 Distribution in Brazil: BA, RS (Gibertoni et al. 2015).
 Selected voucher from NE Brazil: HUEFS 41454 (BA). The material has no basidiospores and its identity could not be confirmed.
- Phellinus rhytiphloeus*** (Mont.) Ryvar den, A preliminary polypore flora of East Africa 206 (1980)
 Description: Ryvar den & Johansen (1980).
 Distribution in Brazil: BA, PE, RN, SP (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: HUEFS 133923 (BA), URM 77794 (RN), URM 80591 (PE).
- Phellinus rimosus*** (Berk.) Pilát, Annales Mycologici 38(1): 80 (1940)
 Description: Ryvar den (2004).
 Distribution in Brazil: BA, ES, PE, PI, RN, RS, SP (Gibertoni et al. 2015).
 Selected vouchers from NE Brazil: HUEFS 86344 (BA), URM 83844 (PE), URM 77774 (PI), URM 80879 (RN).

Phellinus roseocinereus (Murrill) D.A. Reid, *Memoirs of the New York Botanical Garden* 28(1): 194 (1976)

Description: Reid (1976).

Distribution in Brazil: PE (Gibertoni et al. 2015).

Selected voucher from NE Brazil: URM 77795 (PE).

Phellinus shaferi (Murrill) Ryvar den, *Norwegian Journal of Botany* 19: 235 (1972)

Description: Ryvar den (2004).

Distribution in Brazil: AL, BA, PA, PE, PI (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: URM 77796 (AL), CEPEC 1064 (BA), URM 82594 (PE), URM 83993 (PI).

Phylloporia chrysites (Berk.) Ryvar den, *Norwegian Journal of Botany* 19: 235 (1972)

Description: Núñez & Ryvar den (2000).

Distribution in Brazil: AC, AM, PA, PE, PR, RO, RN, RS, SC, SP (Gibertoni et al. 2015). New to CE and PI.

Selected vouchers from NE Brazil: URM 84521 (CE), URM 86499 (PB), URM 86311 (PE), URM 85045 (PI), URM 77462 (RN).

Phylloporia fruticum (Berk. & M.A. Curtis) Ryvar den, *Norwegian Journal of Botany* 19: 235 (1972)

Description: Ryvar den & Johansen (1980).

Distribution in Brazil: RS (Gibertoni et al. 2015). New to Northeast Brazil.

Selected voucher from NE Brazil: URM 86470 (PB).

Phylloporia pectinata (Klotzsch) Ryvar den, *Synopsis Fungorum* 5: 196 (1991)

Description: Núñez & Ryvar den (2000).

Distribution in Brazil: AM, BA, MT, PA, PR, RJ, RO, RR, RS, SC, SP (Gibertoni et al. 2015).

Selected vouchers from NE Brazil: HUEFS 133926 (BA), URM 77463 (PE), URM 77466 (RN).

Phylloporia spathulata (Hook.) Ryvar den, *Synopsis Fungorum* 5: 196 (1991)

Description: Núñez & Ryvar den (2001).

Distribution in Brazil: AM, AP, BA, MG, PA, PB, PE, PR, RO, RR, RS, SC, SP (Gibertoni et al. 2015). New to the Brazilian semiarid.

Selected vouchers from NE Brazil: URM 83655 (BA), FLOR 51159 (PB), URM 81314 (PE), URM 84153 (PI).

Doubtful records

Phellinus sancti-georgii (Pat.) Ryvar den, *Norwegian Journal of Botany* 19: 235 (1972)

Description: Ryvar den (2004).

Distribution in Brazil: BA, PR (Gibertoni et al. 2015).

Selected voucher from NE Brazil: No voucher was found to BA. We suggest the exclusion of this taxon of the list for the Northeast Brazil.

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