

Mushrooms nomenclatural novelties no. 13

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Amyloporiaceae Audet, fam. nov.

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Basidiomata resupinate, annual or perennial, trama more or less amyloid, bitter. Subiculum and old tubes chalky. Pore surface mostly vivid yellow. Hyphal system sub-trimitic or trimitic, generative hyphae with clamp-connexions and thin-walled, skeletal hyphae abundant, thick-walled, amyloid, dissolving partly in 5% KOH and completely in 10% KOH, ligative hyphae or subligative hyphae with thinner walls, at times septate, non metachromatic hyphae (CRB-).

Cystidia absent. Cystidioles fusoid, abundant. Basidia clavate. Basidiospores allantoid or cylindrical to oblong ellipsoid, a little curved, hyaline, smooth, uninucleated, IKI-, CB-.

Grows on on angiosperm or gymnosperm wood. Causing brown decay. Nuclear behavior heterocytic and mating system tetrapolar heterothallic

Holotype : *Amyloporia* Bondartsev & Singer ex Singer, Mycologia 36(1): 67 (1944).

Comment : This family is very distinctive by some personal phylotrees see below.

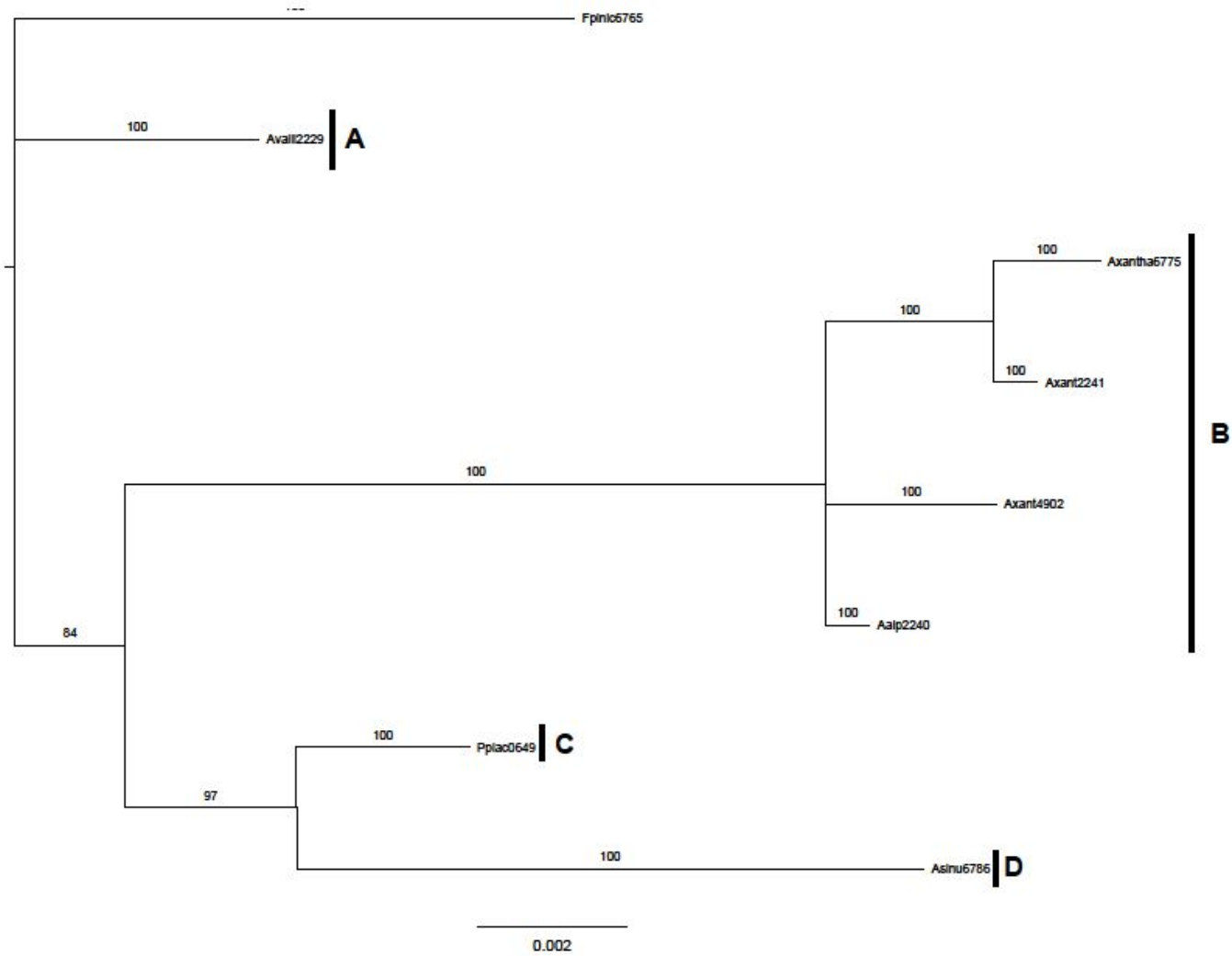


Figure 1: Strict consensus phylogenetic tree of small subunit ribosomal RNA gene (18S) calculated by the MrBayes software (Ronquist et al. 2015; 1 000 000 generations). A: Fibroporiaceae; B: Amyloporiaceae; C: Rhodoniaceae; D: Adustoporiaceae; outgroup: Fpnic6765

Table 1 from figure 1

Taxon	Phylotree	SSU (18S) Genbank
<i>Adustoporia sinuosa</i>	Asinu6786	AY336786
<i>Amyloporia alpina</i>	Aalp2240	EU232240
<i>Amyloporia xantha</i>	Axantha6775	AY336775
<i>Amyloporia xantha</i>	Axant2241	EU232241
<i>Amyloporia xantha</i>	Axantha4902	AF334902
<i>Fibroporia vaillantii</i>	Avail2229	EU232229
<i>Fomitopsis pinicola</i>	Fpinic6765	AY336765
<i>Rhodonina placenta</i>	Pplac0649	KZ110649 (1052-2730 bp)

Table 3 from figure 3

Taxon	Phylotree	Genbank			
		SSU (18S)	LSU	RPB1	RPB2
<i>Adustoporia sinuosa</i>	Asinuosa	AJ488906	EU232288	KY949018	KT895894
<i>Amyloporia carbonica</i>	Acarbonica	U59059	KR605755	KY948985	AY218470
<i>Amyloporia xantha</i>	Axantha	AY336775	EU23228	KY949017	KP134912
<i>Fibroporia gossypium</i>	Fgossypium	KU550534	EU232298	KY949029	KT895902
<i>Fibroporia radiculosa</i>	Fradiculosa	KR605922	KC585167	KY949034	KT895899
<i>Fomitopsis pinicola</i>	Fpinicola	KR605858	EU232290	AY864874	KR610782

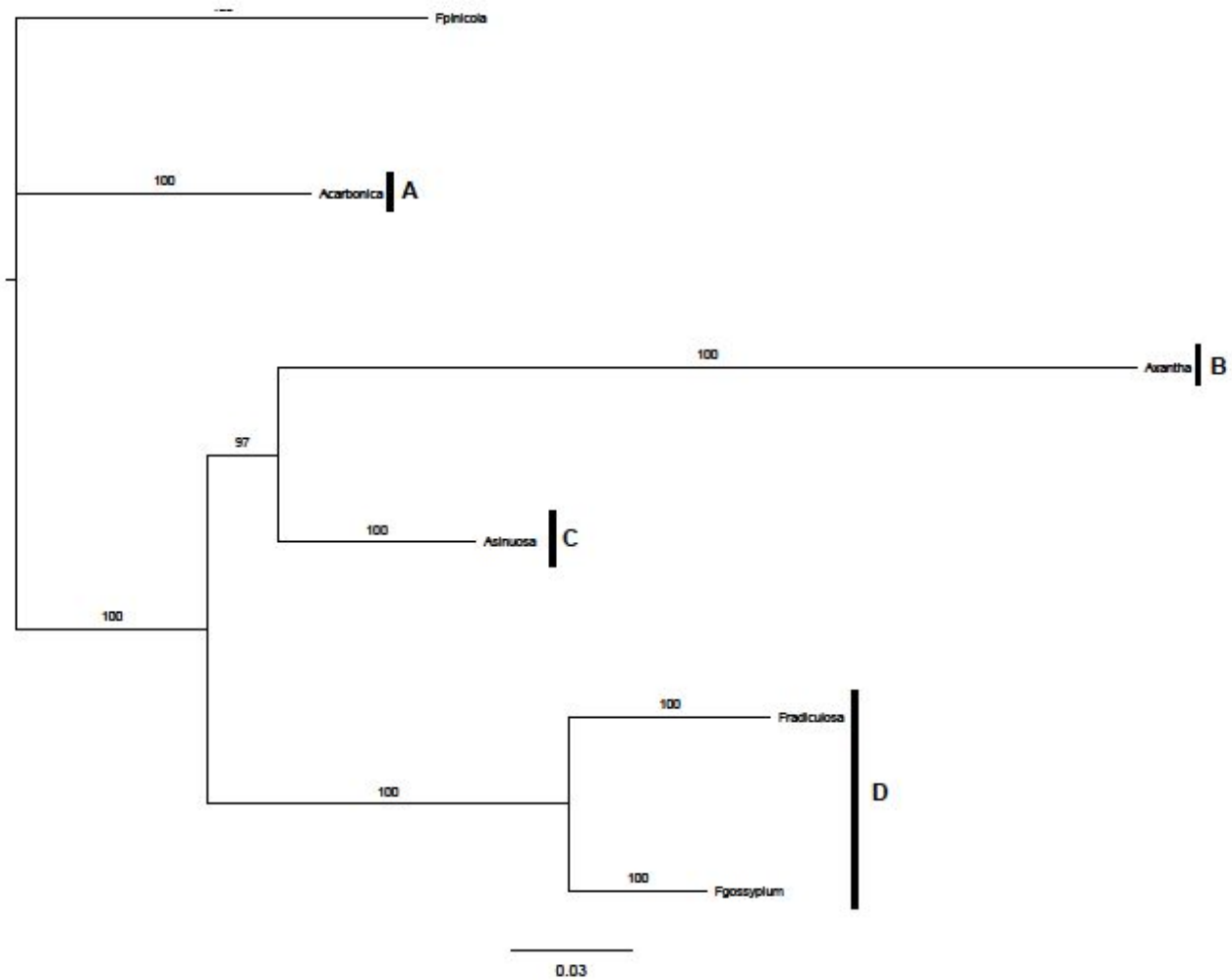


Figure 3: Strict consensus phylogree from multiple loci (18S+LSU+RPB1+RPB2) calculated by the MrBayes software (Ronquist et al. 2015; 1 000 000 generations). A: *Lentoporiaceae*; B: *Amyloporiaceae*; C: *Adustoporiaceae*; D: *Fibroporiaceae*; outgroup: *Fpinicola*

Table 6 from figure 6

Taxon	Phylotree	Genbank	
		LSU	RPB2
<i>Adustoporia sinuosa</i>	Asinu5070	KC585070	KT895894
<i>Amyloporia carbonica</i>	Acarb7844	AF287844	AY218470
<i>Amyloporia subxantha</i>	Asubx8826	KT968826	KT895897
<i>Amyloporia xantha</i>	Axant2284	EU232284	KP134912
<i>Cerrena unicolor</i>	Cunic5209	KP135209	KP134968
<i>Fibroporia albicans</i>	Falb0485	KU550485	KR610838
<i>Fibroporia bambusae</i>	Fbamb0488	KU550488	KU55054
<i>Fibroporia ceracea</i>	Fcera0490	KU550490	KU550547
<i>Fibroporia citrina</i>	Fcit0492	KU550492	KU550551
<i>Fibroporia gossypium</i>	Agossy2298	EU232298	KU550550
<i>Fibroporia radiculosa</i>	Fradic5167	KC585167	KT895899
<i>Postia rancida</i>	Pranc0999	KX900999	KX901242
<i>Pseudofibroporia citrinella</i>	Pscit0500	KU550500	KU550556
<i>Rhodonía placenta</i>	Pplac2285	KC585223	KT893746

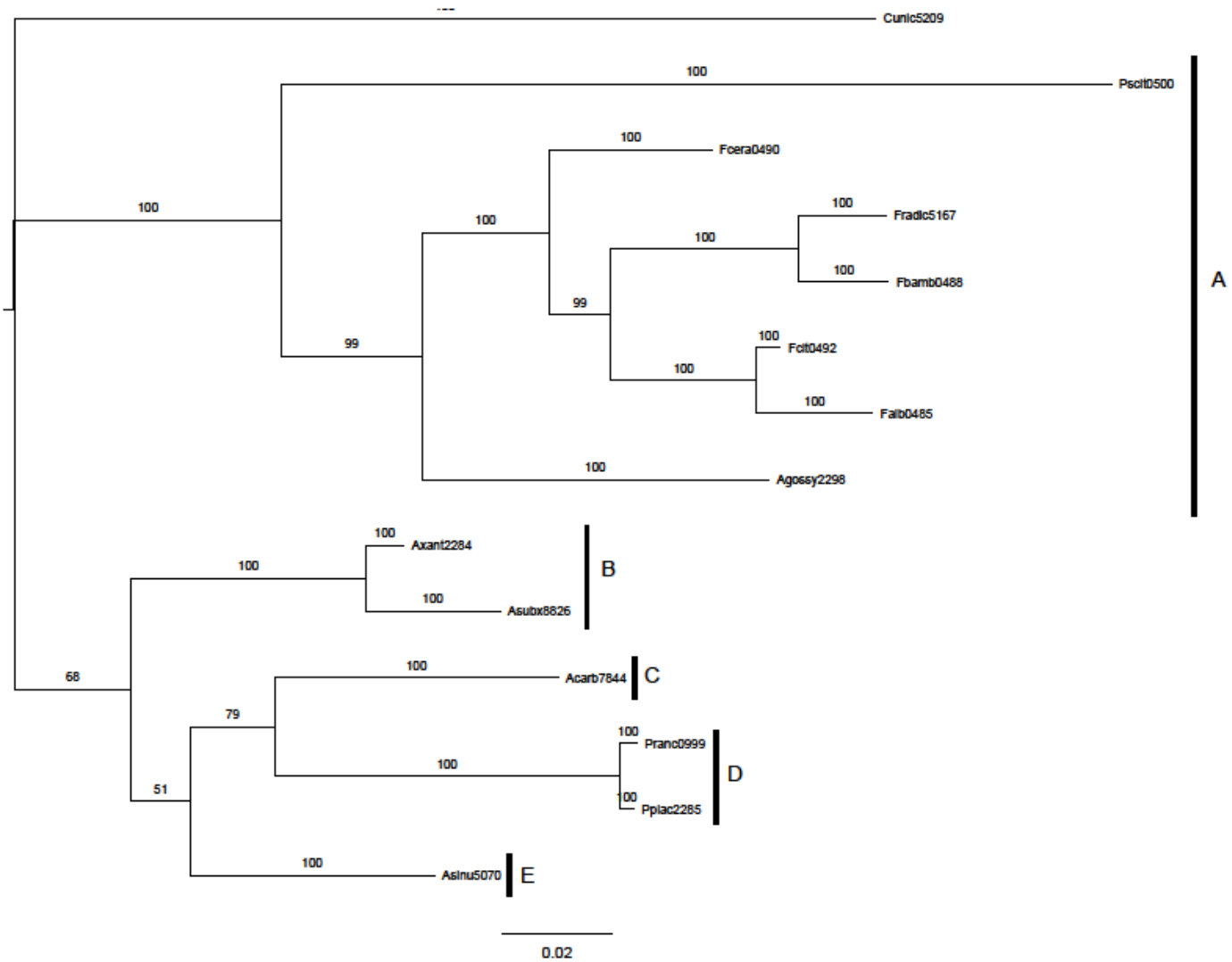


Figure 6: Strict consensus phylogeny of LSU +RPB2 calculated by the MrBayes software (Ronquist et al. 2015; 1 000 000 generations). A: *Fibroporiaceae*; B: *Amyloporiaceae*; C: *Lentoporiaceae*; D: *Rhodoniaceae*; E: *Adustoporiaceae*; outgroup: *Cunic5209*