

Table 1: Voucher table of the specimens used in this study, with the species names and references to original publications; GenBank accessions of the sequences.

Taxon	Country	Paper	mtSSU	LSU	RPB1
<i>Fuscoderma applanatum</i>	New Zealand	Wedin et al. 2009	GQ259024	GQ258994	GQ259053
<i>Fuscopannaria ahlneri</i>	South Korea	Wedin et al. 2009	GQ259025	GQ258995	GQ259054
<i>Fuscopannaria cheiroloba</i>		Ekman et al. 2014	—	—	KC608113
<i>Fuscopannaria confusa</i>	Norway	Carlsen et al. 2012	GU570043	—	—
<i>Fuscopannaria ignobilis</i>		Miadlikowska et al. 2006	DQ917416	DQ917417	DQ986839
<i>Fuscopannaria lacerulata</i>		Ekman et al. 2014	KC608070	—	KC608115
<i>Fuscopannaria leucosticta</i> 1	Reunion Island	Magain and Sérusiaux 2014	JX494238	JX494264	JX494284
<i>Fuscopannaria leucosticta</i> 2	USA	Wedin et al. 2009	DQ900630	DQ900640	GQ259055
<i>Fuscopannaria leucostictoides</i>		Ekman et al. 2014	KC608071	—	KC608116
<i>Fuscopannaria maritima</i>		Ekman et al. 2014	KC608072	—	KC608117
<i>Fuscopannaria mediterranea</i>		Miadlikowska et al. 2006	DQ917418	DQ917419	—
<i>Fuscopannaria olivacea</i>		Ekman et al. 2014	KC608073	—	—
<i>Fuscopannaria pacifica</i>		Ekman et al. 2014	KC608074	—	KC608118
<i>Fuscopannaria praetermissa</i> 1	Reunion Island	Magain and Sérusiaux 2014	JX494239	—	JX494285
<i>Fuscopannaria praetermissa</i> 2	Sweden	Wedin et al. 2009	GQ259026	GQ258996	GQ259056
<i>Fuscopannaria protensa</i>		Ekman et al. 2014	—	—	KC608119
<i>Fuscopannaria sorediata</i>		Ekman et al. 2014	KC608067	—	—

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Taxon	Country	Paper	mtSSU	LSU	RPB1
<i>Kroswia crystalifera</i> 1	Madagascar	Magain and Sérusiaux 2014	JX494235	JX494261	JX494281
<i>Kroswia crystalifera</i> 2	Reunion Island	Magain and Sérusiaux 2014	JX494236	JX494262	JX494282
<i>Kroswia crystalifera</i> 3	Reunion Island	Magain and Sérusiaux 2014	JX494237	JX494263	JX494283
<i>Leciophysma furfurascens</i>	Sweden	Wedin et al. 2009	GQ259028	GQ258998	GQ259058
<i>Moelleropsis nebulosa</i>		Ekman et al. 2014	KC608079	—	KC608122
<i>Nevesia sampaiana</i>	Norway	Carlsen et al. 2012 / Ekman et al. 2014	GU570030	—	KC608120
<i>Pannaria calophylla</i>	Argentina	Passo et al. 2008	EU885318	—	—
<i>Pannaria implexa</i>	Argentina	Passo et al. 2008	EU885333	—	—
<i>Pannaria lurida</i>	Reunion Island	Magain and Sérusiaux 2014	JX494248	JX494273	—
<i>Pannaria microphyllizans</i>	Argentina	Passo et al. 2008	EU885322	—	—
<i>Pannaria multifida</i>	Reunion Island	Magain and Sérusiaux 2014	JX494241	JX494266	KF704308
<i>Pannaria pallida</i>	Argentina	Passo et al. 2008 / Elvebakk et al. 2010	EU885323	GQ927270	—
<i>Pannaria rubiginella</i>		Wedin et al. 2009	GQ259037	GQ259007	GQ259074
<i>Pannaria rubiginosa</i>	Portugal	Wedin et al. 2009	AY340513	AY340558	GQ259073
<i>Pannaria</i> sp.	Thailand	Magain and Sérusiaux 2014	KF704289	KF704290	KF704306
<i>Pannaria sphinctrina</i>	Argentina	Passo et al. 2008 / Elvebakk et al. 2010	EU885324	GQ927271	—
<i>Pannaria tauaresii</i>	Argentina	Passo et al. 2008	EU885316	—	—

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Taxon	Country	Paper	mtSSU	LSU	RPB1
<i>Parmeliella parvula</i>	Norway	Carlsen et al. 2012	GU570031	—	—
<i>Protopannaria pezizoides</i>	Sweden	Wedin et al. 2009	AY340519	AY340561	GQ259081
<i>Psoroma hypnorum</i>	Sweden	Wedin et al. 2009	AY340523	AY340565	GQ259085
<i>Psoroma palaceum</i>	Argentina	Passo et al. 2008	EU885327	GQ927305	—
<i>Ramalodium succulentum</i>	Australia	Wedin et al. 2009	GQ259043	GQ259013	GQ259086
<i>Santessoniella</i> sp.		Ekman et al. 2014	KC608105	—	KC608146
<i>Staurolemma omphalarioides</i>	Norway	Wedin et al. 2009	GQ259044	GQ259014	—
<i>Staurolemma</i> sp.	Reunion Island	Magain and Sérusiaux 2014	KF704288	KF704291	—