

**Table S1.** Morphological and sequence based identification of isolates and sequenced specimens used in this study.

FBCC number	Morphological identification	Sequence based identification	Molecular identification	Highest identities of nBLAST <sup>b</sup>	Max identity (%) (BLAST)	New name of the isolate	ITS+ LSU	<i>gapdh</i>	<i>rpb2</i>
4	<i>Phlebia radiata</i>	<i>Phlebia acerina</i>	ITS <sup>a</sup>	<i>Phlebia acerina</i> (AB210080)	99.4	<i>Phlebia acerina</i>	LN611 082	LN611 042	LN611 995
345	<i>Phlebia radiata</i>	<i>Phlebia acerina</i>	ITS	<i>Phlebia acerina</i> (AB210080)	99.5	<i>Phlebia acerina</i>	LN611 083	LN611 043	LN610 996
464	<i>Phlebia</i> sp.	<i>Phlebia</i> sp.	ITS	<i>Phlebia rufa</i> (HQ153428)	99		LN611 084	LN611 044	LN610 997
43	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.8		LN611 085	LN611 045	LN610 998
125	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.5		LN611 086	LN611 046	LN610 999
149	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.5		LN611 087	LN611 047	LN611 000
179	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 088	LN611 048	LN611 001
194	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 089	LN611 049	LN611 002
226	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 090	LN611 050	LN611 003
279	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 091	LN611 051	LN611 004
297	<i>Phlebia rufa</i>		ITS	<i>Phlebia rufa</i> (KP135374)	100		LN611 092	LN611 052	LN611 005
443	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 093	LN611 053	LN611 006
444	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 094	LN611 054	LN611 007
750	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 095	LN611 055	LN611 008
790	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 096	LN611 056	LN611 009
791	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 097	LN611 057	LN611 010
792	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 098	LN611 058	LN611 011
794	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 099	LN651 204	

**Table S1.** Continued.

FBCC number	Morphological identification	Sequence based identification	Molecular identification	Highest identities of nBLAST <sup>b</sup>	Max identity (%) (BLAST)	New name of the isolate	ITS+ LSU	<i>gapdh</i>	<i>rpb2</i>
1374	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.4		LN611 100	LN611 059	LN611 012
1375	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 101	LN611 060	LN611 013
1376	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 102	LN611 061	LN611 014
1377	<i>Phlebia radiata</i>	<i>Phlebia radiata</i>	ITS	<i>Phlebia radiata</i> (AY854087)	99.7		LN611 103	LN611 062	LN611 015
195	<i>Phlebia centrifuga</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (L43380)	99.5		LN611 104	LN651 206	LN611 016
207	<i>Phlebia centrifuga</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (L43380)	99.5		LN611 105	LN651 205	LN611 017
213	<i>Phlebia centrifuga</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (L43380)	99.5		LN611 106	LN611 063	LN611 018
359	<i>Phlebia centrifuga</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (L43380)	99.7		LN611 107	LN651 207	LN611 019
421	<i>Phlebia albida</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (JQ358815)	99	<i>Phlebia centrifuga</i>	LN611 108	LN611 064	
692	<i>Phlebia centrifuga</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (L43380)	99.5		LN611 109	LN651 208	LN611 020
947	<i>Phlebia centrifuga</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (L43380)	99.5		LN611 110	LN651 209	LN611 021
1252	<i>Phlebia centrifuga</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (JQ358815)	99		LN611 111	LN651 211	LN611 022
1253	<i>Phlebia centrifuga</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (JQ358815)	99		LN611 112	LN651 212	LN611 023
1264	<i>Phlebia centrifuga</i>	<i>Phlebia centrifuga</i>	ITS	<i>Phlebia centrifuga</i> (JQ358815)	99		LN611 113	LN651 210	LN611 024
307	<i>Phlebia chrysocreas</i>	<i>Phlebia chrysocreas</i>	ITS	<i>Phlebia chrysocreas</i> (HQ153411)	92		LN611 114	LN611 065	LN611 025
309	<i>Phlebia chrysocreas</i>	<i>Phlebia chrysocreas</i>	ITS	<i>Phlebia chrysocreas</i> (HQ153411)	92		LN611 115	LN611 066	LN611 026
295	<i>Phlebia ochraceofulva</i>		LSU	<i>Phlebia subochracea</i> (EU118656)	96		LN611 116	LN651 202	LN611 027

**Table S1.** Continued

FBCC number	Morphological identification	Sequence based identification	Molecular identification	Highest identities of nBLAST <sup>b</sup>	Max identity (%) (BLAST)	New name of the isolate	ITS+ LSU	<i>gapdh</i>	<i>rpb2</i>
360	<i>Phlebia ochraceofulva</i>		LSU	<i>Phlebia subochracea</i> (EU118656)	96		LN6111 17	LN651 203	LN611 028
422	<i>Phlebia hydnoides</i>	<i>Scopuloides hydnoides</i>	ITS	<i>Scopuloides hydnoides</i> (EU118665)	99	<i>Scopuloides (Phlebia) hydnoides</i>	LN6111 18	LN611 067	LN611 029
423	<i>Phlebia hydnoides</i>	<i>Scopuloides hydnoides</i>	ITS	<i>Scopuloides hydnoides</i> (EU118665)	98.4	<i>Scopuloides (Phlebia) hydnoides</i>	LN6111 19	LN611 068	LN611 030
426	<i>Phlebia ochraceofulva</i>	<i>Phlebia subserialis</i>	ITS	<i>Phlebia subserialis</i> (FJ791134)	99.8	<i>Phlebia subserialis</i>	LN6111 20		
427	<i>Phlebia subserialis</i>		LSU	<i>Rhizochaete filamentosa</i> (AY219393)	97	<i>Phlebia</i> sp.	LN6111 21	LN611 069	LN611 031
937	<i>Phlebia livida</i>	<i>Phlebia livida</i>	ITS	<i>Phlebia livida</i> (HQ153414)	99.3		LN6111 22		LN611 032
1283	<i>Phlebia livida</i>	<i>Phlebia livida</i>	ITS	<i>Phlebia livida</i> (HQ153414)	99.5		LN6111 23		LN611 033
82	<i>Phlebia tremellosa</i>	<i>Phlebia tremellosa</i>	ITS	<i>Phlebia tremellosa</i> (HM051073)	99		LN6111 24	LN611 070	LN611 034
91	<i>Phlebia tremellosa</i>	<i>Phlebia tremellosa</i>	ITS	<i>Phlebia tremellosa</i> (HM051073)	99		LN6111 25	LN611 071	
278	<i>Phlebia tremellosa</i>	<i>Phlebia tremellosa</i>	ITS	<i>Phlebia tremellosa</i> (HM051073)	98		LN6111 26	LN611 072	LN611 035
294	<i>Phlebia tremellosa</i>	<i>Phlebia tremellosa</i>	ITS	<i>Phlebia tremellosa</i> (HM051073)	99		LN6111 27	LN611 073	
362	<i>Phlebia tremellosa</i>	<i>Phlebia tremellosa</i>	ITS	<i>Phlebia tremellosa</i> (HM051073)	99		LN6111 28	LN611 074	
446	<i>Phlebia tremellosa</i>	<i>Phlebia tremellosa</i>	ITS	<i>Phlebia tremellosa</i> (DQ384584)	99		LN6111 29	LN611 075	LN611 036
Isolates included in the phylogenetic study									
296	<i>Phlebia albida</i>		ITS	<i>Phanerochaete sordida</i> (FJ481018)	93	<i>Phlebia</i> sp.	LN6111 30	LN611 076	LN611 037
315	<i>Phlebiopsis gigantea</i>	<i>Phlebiopsis gigantea</i>	ITS	<i>Phlebiopsis gigantea</i> (AF87485)	99.4		LN6111 31	LN611 077	LN611 038
316	<i>Phlebiopsis gigantea</i>	<i>Phlebiopsis gigantea</i>	ITS	<i>Phlebiopsis gigantea</i> (AF87485)	99.4		LN6111 32	LN611 078	LN611 039

**Table S1.** Continued

FBCC number	Morphological identification	Sequence based identification	Molecular identification	Highest identities of nBLAST <sup>b</sup>	Max identity (%) (BLAST)	New name of the isolate	ITS+ LSU	<i>gapdh</i>	<i>rpb2</i>
318	<i>Phlebiopsis gigantea</i>	<i>Phlebiopsis gigantea</i>	ITS	<i>Phlebiopsis gigantea</i> (AF87486)	99.4		LN611 133	LN611 079	LN611 040
986	<i>Phlebiopsis gigantea</i>	<i>Phlebiopsis gigantea</i>	ITS	<i>Phlebiopsis gigantea</i> (AF087487)	99.8		LN611 134	LN611 080	
1463	<i>Phlebia brevispora</i>	<i>Phlebia brevispora</i>	ITS	<i>Phlebia brevispora</i> (HM208154)	100		LN611 135	LN611 081	LN611 041

<sup>a</sup>ITS1-5.8s-ITS2 gene region

<sup>b</sup>accession numbers in brackets