

# Corrigenda for: “*Micromphale* sect. *Perforantia* (Agaricales, Basidiomycetes); Expansion and phylogenetic placement” published in MycoKeys, doi: 10.3897/mycokeys.18.10007

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It came to our attention after our manuscript was published that Appendix Table “Collections used for molecular analyses” was not final version. We provide below the new table with corrected information.

## Appendix

Collections used for molecular analyses

Herbarium Designation/Other designation	Name	Location	ITS GenBank No.	LSU GenBank No.	ITS+LSU GenBank No.
	Environmental sample	USA: New Jersey		AF241340 <sup>1</sup>	
	Environmental sequence	Czech Republic	JX029948 <sup>3</sup>		
	Environmental sequence: House dust	Finland	AM901982 <sup>3</sup>		
/AFToL ID 1718	<i>Omphalotus olearius</i>			DQ470816 <sup>1</sup>	
/AFToL ID 1758	<i>Gymnopus contrarius</i>			DQ457670 <sup>1</sup>	
/ATCC-42962	<i>Lentinula edodes</i>			AF042579 <sup>1</sup>	
/CBS 174.78	<i>Connopus aceruatus</i>			AF223172 <sup>1</sup>	
/CULTENN04929	<i>Gymnopus</i> sp. 3 ( <i>G. inflatotrama</i> nom. prov.)	USA: North Carolina			KY026744 <sup>1</sup>
/CULTENN04975	<i>Gymnopus</i> sp. 16 ( <i>G. novae-angliae</i> nom. prov.)	USA: New York, Franklin Co.			KY026745 <sup>1</sup>
/CULTENN05015	<i>Marasmius pallidocephalus</i>	Canada: Nova Scotia			KY026746 <sup>1</sup>
/CULTENN05021h1	<i>Gymnopus androsaceus</i>	Canada: Nova Scotia			KY026747 <sup>1</sup>
/CULTENN05021h2	<i>Gymnopus androsaceus</i>	Canada: Nova Scotia			KY026748 <sup>1</sup>
/CULTENN05037	<i>Gymnopus androsaceus</i>	Canada: Nova Scotia	KY026749	no sequence	
/CULTENN05609	<i>Gymnopus androsaceus</i>	USA: Idaho			KY026750 <sup>1</sup>
/CULTENN14594	<i>Micromphale brevipes</i>	USA: Mississippi			KY026751 <sup>1</sup>
/CULTENN14599	<i>Micromphale brevipes</i>	USA: Mississippi			KY026752 <sup>1</sup>
/CULTENN14606	<i>Micromphale brevipes</i>	USA: Mississippi			KY026753 <sup>1</sup>
/GLM: 45933	<i>Collybia harioolorum</i>	Germany		AY207166 <sup>1</sup>	
/JEJ:574	<i>Marasmiellus opacus</i>			AF261329 <sup>1</sup>	
/JEJ:586	<i>Marasmius scorodoniis</i>			AF261331 <sup>1</sup>	
/JEJ.PR.213	<i>Gymnopus</i> sp.			AF261326 <sup>1</sup>	
/JEJ.VA.567	<i>Micromphale foetidum</i>			AF261328 <sup>1</sup>	
/JM leg Murakami	<i>Omphalotus japonicus</i>			AF135172 <sup>1</sup>	
/JMCR.143	<i>Caripia montagnei</i>			AF261327 <sup>1</sup>	
/JMRC143	<i>Caripia montagnei</i>		DQ449988	AF261327 <sup>1</sup>	

Herbarium Designation/Other designation	Name	Location	ITS GenBank No.	LSU GenBank No.	ITS+LSU GenBank No.
/LE-BIN 1178	<i>Gymnopus confluens</i>	USA: North Carolina	KP710282	KJ189580 <sup>1</sup>	
/LE-BIN 1232	<i>Rhodocollybia butyracea</i> var. <i>asema</i>	Russia: Leningrad area			KY026754 <sup>1</sup>
/LE-BIN 1364	<i>Gymnopus peronatus</i>	Russia			KY026755 <sup>1</sup>
/LE-BIN 1898	<i>Gymnopus peronatus</i>	Russia: Samara area			KY026756 <sup>1</sup>
/LE-BIN 2526	<i>Rhodocollybia butyracea</i> var. <i>asema</i>	Russia			KY026757 <sup>1</sup>
/PBM2201	<i>Anthracoephyllum archeri</i>			AY745709 <sup>1</sup>	
/T1946.8	<i>Omphalotus nidiformis</i>			AF042621 <sup>1</sup>	
/TM03_419	<i>Gymnopus scorodonius</i>	Canada		EU522806 <sup>1</sup>	
AV100918	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: Newfoundland			KY026743 <sup>2,3</sup>
BRNM:568	<i>Manasmius alliaceus</i>			AY639436 <sup>1</sup>	
DAOM175382	<i>Manasmius scorodonius</i>			AF261332 <sup>1</sup>	
DUKE: RV.PR.98.08	<i>Gymnopus</i> sp.			AF261334 <sup>1</sup>	
DUKE: RV192.01	<i>Gymnopus polyphyllus</i>			AF042596 <sup>1</sup>	
DUKE: RVPR1308	<i>Nothopanus engrammis</i>	Puerto Rico		AF042577 <sup>1</sup>	
DUKE: RVPR27	<i>Neonothopanus namibi</i>	Puerto Rico 117 clades		AF135175 <sup>1</sup>	
DUKE: RVPR98.46	<i>Gymnopus</i> sp.			AF261333 <sup>1</sup>	
DUKE:RV.PR98.13	<i>Gymnopus</i> sp.			AF261335 <sup>1</sup>	
DUKE:RV98/32	<i>Gymnopus biformis</i>			AF261336 <sup>1</sup>	
GLM: 45932	<i>Gymnopus erythropus</i>	Germany		AY207167 <sup>1</sup>	
GLM: 45959	<i>Manasmius alliaceus</i>	Germany		AY207234 <sup>1</sup>	
GLM: 45964	<i>Gymnopus foetidus</i>	Germany		AY207240 <sup>1</sup>	
HN2270	<i>Manasmiellus opacus</i>			AF261330 <sup>1</sup>	
HN4730	<i>Manasmius androsaceus</i>			AF261585 <sup>1</sup>	
MICH50942	<i>Gymnopus</i> sp. 8 ( <i>G. resinose</i> nom. prov.)		KY026758		
NYBG: Halling6509	<i>Gymnopus fusipes</i>			AY639414 <sup>1</sup>	
SFSU: DEH1304	<i>Gymnopus luxurians</i>			AY639421 <sup>1</sup>	
SFSU: AAW127	<i>Gymnopus vitellinipes</i>			AY639432 <sup>1</sup>	
SFSU: AR099	<i>Gymnopus diminutus</i>			AY639413 <sup>1</sup>	
SFSU: AWW01	<i>Gymnopus brunneigacilis</i>			AY639412 <sup>1</sup>	

Herbarium Designation/Other designation	Name	Location	ITS GenBank No.	LSU GenBank No.	ITS+LSU GenBank No.
SFSU: AWW02	<i>Gymnopus menehune</i>			AY639423 <sup>1</sup>	
SFSU: AWW03	<i>Gymnopus indoctus</i>			AY639418 <sup>1</sup>	
SFSU: AWW05	<i>Gymnopus nonnullus</i>			AY639426 <sup>1</sup>	
SFSU: AWW10	<i>Gymnopus</i> aff. <i>moseri</i>			AY639409 <sup>1</sup>	
SFSU: AWW106	<i>Gymnopus termiticola</i>			AY639430 <sup>1</sup>	
SFSU: AWW112	<i>Gymnopus gibbosus</i>			AY639417 <sup>1</sup>	
SFSU: AWW113	<i>Gymnopus</i> aff. <i>menehune</i>			AY639408 <sup>1</sup>	
SFSU: AWW116	<i>Gymnopus bicolor</i>			AY639411 <sup>1</sup>	
SFSU: AWW118	<i>Gymnopus aurantipes</i>			AY639410 <sup>1</sup>	
SFSU: AWW126	<i>Gymnopus septiconicus</i>			AY639427 <sup>1</sup>	
SFSU: AWW12a	<i>Gymnopus gibbosus</i>			AY639415 <sup>1</sup>	
SFSU: AWW15	<i>Gymnopus menehune</i>			AY639424 <sup>1</sup>	
SFSU: AWW54	<i>Gymnopus melanopus</i>			AY639422 <sup>1</sup>	
SFSU: AWW87	<i>Gymnopus menehune</i>			AY639425 <sup>1</sup>	
SFSU: DED528	<i>Gymnopus synodicus</i>			AY639435 <sup>1</sup>	
SFSU: DED5607	<i>Marasmius copelandii</i>			AY639438 <sup>1</sup>	
SFSU: DED5873	<i>Rhodocollybia laulaba</i>			AY639441 <sup>1</sup>	
SFSU: DED6628	<i>Marasmius applanatipes</i>			AY639437 <sup>1</sup>	
SFSU: DED6674	<i>Gymnopus subpruinosis</i>			AY639429 <sup>1</sup>	
SFSU25220	<i>Gymnopus quercophilus</i>	USA: California			KY026761 <sup>1</sup>
SFSU-DED5097	<i>Gymnopus</i> sp. 9 ( <i>G. novomundi</i> nom. prov.)	USA: Unknown			KY026759 <sup>1</sup>
SFSU-DED8813	<i>Gymnopus</i> sp. 10 ( <i>G. adventitius</i> nom. prov.)				KY026760 <sup>1</sup>
TENN: F-55620 /TFB8960	<i>Marasmius alliaceus</i>	Russia: Caucasus Region	no sequence	AY635776 <sup>1</sup>	
TENN: F-57910	<i>Gymnopus luxurians</i>	USA: North Carolina		AY256709 <sup>1</sup>	
TENN: F- 59217 /TFB11333	<i>Gymnopus fusipes</i>	France		KY019635 <sup>1</sup>	
TENN: F- 59295 /TFB11434	<i>Gymnopus foetidus</i>	Austria		KY019636 <sup>1</sup>	
TENN: F- 59540 /TFB9889	<i>Gymnopus juniperinus</i>	USA: Louisiana		KY019637 <sup>1</sup>	
TENN: F- 59592 /TFB11629	<i>Gymnopus perforans</i> subsp. <i>perforans</i>	Russia			KY026662 <sup>1,3</sup>
TENN: F- 59594 /TFB11631	<i>Gymnopus androsaccus</i>	Russia			KY026663 <sup>1</sup>

Herbarium Designation/Other designation	Name	Location	ITS GenBank No.	LSU GenBank No.	ITS+LSU GenBank No.
TENN:F- 59641 /TFB11608	<i>Gymnopus foliiphilus</i>	USA: Tennessee, Blount Co.			KY026664 <sup>1</sup>
TENN:F- 59896 /TFB11778	<i>Marasmius pallidoccephalus</i>	USA: Tennessee, GSMNP	FJ596762	KY019638 <sup>1</sup>	
TENN:F- 60015 /TFB11786	<i>Gymnopus</i> aff. <i>dryophilus</i>	USA: Tennessee, GSMNP	FJ596766	KY019639 <sup>1</sup>	
TENN:F- 60029 /TFB11601	<i>Gymnopus dichrous</i> I	USA: Tennessee, GSMNP			KY026665 <sup>1</sup>
TENN:F- 61125 /TFB12563	<i>Gymnopus thysodes</i>	USA: Tennessee, Knox Co.	KY026666	FJ750265 <sup>1</sup>	
TENN:F- 61128 /TFB12567	<i>Gymnopus dichrous</i>	USA: North Carolina, GSMNP	FJ596783	KY019640 <sup>1</sup>	
TENN:F- 61138 /TFB12577	<i>Gymnopus subnudus</i>	USA: Tennessee, GSMNP	KY026667	FJ750262 <sup>1</sup>	
TENN:F- 61211 /TFB13121c2	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: Quebec			KY026668 <sup>1,2,3</sup>
TENN:F- 61211 /TFB13121c3	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: Quebec			KY026669 <sup>1,2,3</sup>
TENN:F- 61211 /TFB13121c4	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	USA: Tennessee, GSMNP			KY026670 <sup>2,4</sup>
TENN:F- 61587 /TFB13319c1	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: Quebec			KY026671 <sup>2,3</sup>
TENN:F- 61587 /TFB13319c2	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: Quebec			KY026672 <sup>2,3</sup>
TENN:F- 61587 /TFB13319c3	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: Quebec			KY026673 <sup>2,3</sup>
TENN:F- 61587 /TFB13319c4	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: Quebec			KY026674 <sup>2,3</sup>
TENN:F- 61587 /TFB13319c5	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: Quebec			KY026675 <sup>1,2,3</sup>
TENN:F- 65115 /TFB13739	<i>Marasmiellus vaillantii</i>	USA: Tennessee, GSMNP			KY026676 <sup>1</sup>
TENN:F- 65120 /TFB13743	<i>Gymnopus peronatus</i>	Belgium			KY026677 <sup>1</sup>
TENN:F- 65135 /TFB13758	<i>Gymnopus ocior</i>	Belgium			KY026678 <sup>1</sup>
TENN:F- 65157 /TFB13781h1	<i>Gymnopus</i> aff. <i>dryophilus</i>	Belgium			KY026679 <sup>1</sup>
TENN:F- 65157 /TFB13781h2	<i>Gymnopus</i> aff. <i>dryophilus</i>	Belgium			KY026680 <sup>1</sup>
TENN:F- 65571 /TFB13875	<i>Gymnopus foliiphilus</i>	USA: North Carolina, USA, NC			KY026681 <sup>2</sup>
TENN:F- 65806 /TFB13911	<i>Gymnopus foetidus</i>	USA, NC			KY026682 <sup>1</sup>
TENN:F- 65808 /TFB13913	<i>Gymnopus pinophilus</i>	USA: North Carolina			KY026683 <sup>1,2</sup>
TENN:F- 65829 /TFB13933h1	<i>Marasmius pallidoccephalus</i>	USA: New York			KY026684 <sup>1</sup>
TENN:F- 65829 /TFB13933h2	<i>Marasmius pallidoccephalus</i>	USA: New York			KY026685 <sup>1</sup>
TENN:F- 65912 /TFB13975h1	<i>Gymnopus sporogiosus</i>	USA: Mississippi			KY026686 <sup>1</sup>
TENN:F- 65912 /TFB13975h2	<i>Gymnopus sporogiosus</i>	USA: Mississippi			KY026687 <sup>1</sup>
TENN:F- 65926 /TFB13989c1	<i>Rhodocollybia maculata</i>	USA: Mississippi			KY026688 <sup>1</sup>

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TENN:F- 65926 /TFB13989c5	<i>Rhodocollybia maculata</i>	USA: Mississippi			KY026689 <sup>1</sup>
TENN:F- 65990 /TFB14048	<i>Gymnopus foliiphilus</i>	USA: North Carolina			KY026690 <sup>2</sup>
TENN:F- 66344 /TFBSAT11-179-05	<i>Marasmius pallidocephalus</i>	USA: Tennessee, GSMNP			KY026691 <sup>1</sup>
TENN:F- 67804 /TFB14059h1	<i>Gymnopus pinophilus</i>	USA: North Carolina			KY026692 <sup>2</sup>
TENN:F- 67804 /TFB14059h2	<i>Gymnopus pinophilus</i>	USA: North Carolina			KY026693 <sup>2</sup>
TENN:F- 67809 /TFB14063	<i>Gymnopus foliiphilus</i>	USA: North Carolina			KY026694 <sup>2</sup>
TENN:F- 67846 /TFB14097	<i>Gymnopus pinophilus</i>	USA: North Carolina			KY026695 <sup>2</sup>
TENN:F- 67854 /TFB14107	<i>Gymnopus luxurians</i>	USA: Tennessee, GSMNP	KJ416241	KY019641 <sup>1</sup>	
TENN:F- 67858 /TFB14110	<i>Gymnopus barbipes</i>	USA: Tennessee, GSMNP	KJ416269	KY019642 <sup>1</sup>	
TENN:F- 67859 /TFB14111.ss1	<i>Gymnopus dichrous</i> I	USA, TN, GSM			KY026696 <sup>1</sup>
TENN:F- 67859 /TFB14111.ss2	<i>Gymnopus dichrous</i> II	USA, TN, GSM			KY026697 <sup>1</sup>
TENN:F- 67881 /TFB14131	<i>Rhodocollybia maculata</i>	Germany			KY026698 <sup>1</sup>
TENN:F- 68085 /TFB14228	<i>Gymnopus</i> aff. <i>melanopus</i>	USA: Tennessee, GSMNP			KY026699 <sup>1</sup>
TENN:F- 68088 /TFB14253	<i>Rhodocollybia maculata</i>	USA: Roan Mountain			KY026700 <sup>1</sup>
TENN:F- 68133 /TFB14278	<i>Gymnopus nonnullus</i>	USA, MS			KY026701 <sup>1</sup>
TENN:F- 68136 /TFB14281	<i>Gymnopus disjunctus</i>	USA, MS	KJ416253	KY019643 <sup>1</sup>	
TENN:F- 68142 /TFB14288	<i>Gymnopus</i> aff. <i>dichrous</i>	USA: Mississippi		KY019643 <sup>1</sup>	
TENN:F- 68144 /TFB14290	<i>Gymnopus pseudoluxurians</i>	USA: Mississippi	KJ416242		KY026702 <sup>1</sup>
TENN:F- 68145 /TFB14291	<i>Gymnopus foliiphilus</i>	USA: Mississippi			KY026703 <sup>2</sup>
TENN:F- 68165 /TFB14282	<i>Gymnopus micromphaleoides</i>	USA: Mississippi	KJ416243	KY019645 <sup>1</sup>	
TENN:F- 68169 /TFB14317	<i>Rhodocollybia maculata</i>	USA: Connecticut			KY026704 <sup>1</sup>
TENN:F- 68183 /TFB14332	<i>Gymnopus foliiphilus</i>	USA: Connecticut			KY026705 <sup>2</sup>
TENN:F- 68184 /TFB14333	<i>Gymnopus spongiosus</i>	USA: Connecticut			KY026706 <sup>1</sup>
TENN:F- 68185 /TFB14334h1	<i>Gymnopus</i> sp. 17 ( <i>G. utrifornis</i> nom. prov.)	USA: Connecticut			KY026707 <sup>1</sup>
TENN:F- 68185 /TFB14334h2	<i>Gymnopus</i> sp. 17 ( <i>G. utrifornis</i> nom. prov.)	USA: Connecticut			KY026708 <sup>1</sup>
TENN:F- 68190 /TFB14340	<i>Gymnopus foetidus</i>	USA: Connecticut			KY026709 <sup>1</sup>
TENN:F- 68198 /TFB14348	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	USA: New York			KY026710 <sup>2,3</sup>
TENN:F- 69000 /TFB14350h1	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	USA: New York			KY026711 <sup>2,3</sup>

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TENN:F- 69000 /TFB14350h2	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	USA: New York			KY026712 <sup>1,2,3</sup>
TENN:F- 69033 /TFB14368h1	<i>Rhodocollybia butyracea</i>	Canada: New Brunswick, Fundy Provincial Park			KY026713 <sup>1</sup>
TENN:F- 69033 /TFB14368h2	<i>Rhodocollybia butyracea</i>	Canada: New Brunswick, Fundy Provincial Park			KY026714 <sup>1</sup>
TENN:F- 69042 /TFB14377	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: New Brunswick, Fundy Provincial Park			KY026715 <sup>2,3</sup>
TENN:F- 69047 /TFB14382	<i>Rhodocollybia butyracea</i>	Canada: New Brunswick			KY026716 <sup>1</sup>
TENN:F- 69049 /TFB14384h1	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: New Brunswick			KY026717 <sup>2,3</sup>
TENN:F- 69049 /TFB14384h2	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: New Brunswick			KY026718 <sup>2,3</sup>
TENN:F- 69059 /TFB14395h1	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: New Brunswick			KY026719 <sup>2,3</sup>
TENN:F- 69059 /TFB14395h2	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	Canada: New Brunswick			KY026720 <sup>2,3</sup>
TENN:F- 69086 /TFB14422	<i>Gymnopus foliophilus</i>	USA: Arkansas			KY026721 <sup>2</sup>
TENN:F- 69182 /TFB14489	<i>Micromphale brevipes</i>	USA: Mississippi			KY026722 <sup>1</sup>
TENN:F- 69189 /TFB14498	<i>Gymnopus pallidocephalus</i>	USA: Mississippi			KY026723 <sup>1</sup>
TENN:F- 69206 /TFB14511h1	<i>Gymnopus pinophilus</i>	USA: North Carolina			KY026724 <sup>2</sup>
TENN:F- 69206 /TFB14511h2	<i>Gymnopus pinophilus</i>	USA: North Carolina			KY026725 <sup>2</sup>
TENN:F- 69212 /TFB14517	<i>Gymnopus pinophilus</i>	USA: North Carolina			KY026726 <sup>2</sup>
TENN:F- 69254 /TFB14558	<i>Gymnopus fusipes</i>	Slovakia			KY026727 <sup>1</sup>
TENN:F- 69267 /TFB14570h1	<i>Gymnopus quercophilus</i>	Slovakia			KY026728 <sup>1</sup>
TENN:F- 69267 /TFB14570h2	<i>Gymnopus quercophilus</i>	Slovakia			KY026729 <sup>1</sup>
TENN:F- 69280 /TFB14583h1	<i>Gymnopus foetidus</i>	Slovakia			KY026730 <sup>1</sup>
TENN:F- 69280 /TFB14583h2	<i>Gymnopus foetidus</i>	Slovakia			KY026731 <sup>1</sup>
TENN:F- 69307 /TFB14611	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	USA: North Carolina	✓	KY019646 <sup>1</sup>	
TENN:F- 69310 /TFB14607	<i>Micromphale brevipes</i>	USA: Alabama			KY026732 <sup>1</sup>
TENN:F- 69311 /DPL11763A	<i>Micromphale brevipes</i>	USA: Texas			KY026733 <sup>1</sup>
TENN:F- 69318 /TFB14613h1	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	USA: Vermont			KY026734 <sup>1,2,3</sup>
TENN:F- 69318 /TFB14613h2	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	USA: Vermont			KY026735 <sup>1,2,3</sup>
TENN:F- 69320 /TFB14615	<i>Gymnopus quercophilus</i>	USA: California			KY026736 <sup>1</sup>

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TENN:F-69321 /TFB14616	<i>Gymnopus quercophilus</i>	USA: California			KY026737 <sup>1</sup>
TENN:F-69322 /TFB14617	<i>Marasmiellus</i> sp.	USA: Georgia			KY026738 <sup>1</sup>
TENN:F-69323 /TFB14618	<i>Gymnopus foetidus</i>	USA: Georgia			KY026739 <sup>1</sup>
TENN:F-69325 /TFB14620h1	<i>Gymnopus sequoiae</i>	USA: California			KY026740 <sup>1,2,3</sup>
TENN:F-69325 /TFB14620h2	<i>Gymnopus sequoiae</i>	USA: California			KY026741 <sup>1,2,3</sup>
TENN:F-69340 /TFB14592	<i>Gymnopus perforans</i> subsp. <i>transatlanticus</i>	USA: New Hampshire			KY026742 <sup>2,3</sup>
TENN:F-TENN:F- TENN:F-53488 /TFB5627	<i>Gymnopus ponderosae</i>	USA: Idaho			KY026639 <sup>1,2</sup>
TENN:F-0319 /TFB4722h1	<i>Gymnopus perforans</i> subsp. <i>perforans</i>	Sweden			KY026624 <sup>1,2,3</sup>
TENN:F-48143 /TFB2221	<i>Gymnopus</i> sp. 4 ( <i>G. inflatotrama</i> nom. prov.)	USA: North Carolina			KY026619 <sup>1</sup>
TENN:F-48443 /TFB1871	<i>Gymnopus afn dichrous</i>	USA: North Carolina	AF505766	KY019625 <sup>1</sup>	
TENN:F-50013 /DED5272	<i>Gymnopus foliiphilus</i>	USA: Tennessee, GSMNP			KY026620 <sup>2</sup>
TENN:F-50116 /TFB3940	<i>Marasmius</i> sp. 1 (TENN50116)	Australia: Tasmania			KY026621 <sup>1</sup>
TENN:F-50135 /TFB4033	<i>Gymnopus</i> sp. 7 ( <i>G. austrobrevipes</i> nom. prov.)	Australia			KY026622 <sup>1</sup>
TENN:F-50318 /TFB4721	<i>Gymnopus perforans</i> subsp. <i>perforans</i>	Sweden			KY026623 <sup>1,2,3</sup>
TENN:F-50319 /TFB4722h2	<i>Gymnopus perforans</i> subsp. <i>perforans</i>	Sweden			KY026625 <sup>1,2,3</sup>
TENN:F-50346 /TFB4749	<i>Mycetinus scorodanuis</i>	Switzerland	DQ450006	KY019626 <sup>1</sup>	
TENN:F-50482 /TFB3745	<i>Gymnopus androsaceus</i>	Scotland	DQ444312	KY019627 <sup>1</sup>	
TENN:F-50540 /TFB4204	<i>Gymnopus peronatus</i>		DQ450017	KY019628 <sup>1</sup>	
TENN:F-50761 /TFB3642	<i>Gymnopus foliiphilus</i>	USA: Tennessee, GSMNP			KY026626 <sup>1,2</sup>
TENN:F-50765 /TFB3646	<i>Gymnopus</i> sp. 9 ( <i>G. novomundi</i> nom. prov.)	USA: Tennessee, GSMNP			
TENN:F-50999 /TFB4512	<i>Gymnopus</i> sp. 1 ( <i>G. portoricensis</i> nom. prov.)	Puerto Rico			KY026627 <sup>1</sup>
TENN:F-51029 /TFB4548h1	<i>Micromorphale brevipes</i>	Puerto Rico			KY026628 <sup>1</sup>
TENN:F-51029 /TFB4548h2	<i>Micromorphale brevipes</i>	Puerto Rico			KY026629 <sup>1</sup>
TENN:F-51221 /TFB4902h1	<i>Gymnopus foliiphilus</i>	USA: Georgia			KY026630 <sup>1,2</sup>
TENN:F-51221 /TFB4902h2	<i>Gymnopus foliiphilus</i>	USA: Georgia			KY026631 <sup>1,2</sup>
TENN:F-51233 /TFB4919	<i>Gymnopus</i> sp. 3 ( <i>G. inflatotrama</i> nom. prov.)	USA: North Carolina, Standing Indian State Park			KY026632 <sup>1</sup>
TENN:F-51244 /TFB4928	<i>Gymnopus foliiphilus</i>	USA: North Carolina			KY026633 <sup>2</sup>



Herbarium Designation/Other designation	Name	Location	ITS GenBank No.	LSU GenBank No.	ITS+LSU GenBank No.
TENN:F-51574 /TFB5256	<i>Gymnopus pinophilus</i>	USA: North Carolina			KY026634 <sup>1,2</sup>
TENN:F-52401 /TFB5610	<i>Marasmius pollidiocephalus</i>	USA: Idaho			KY026635 <sup>1</sup>
TENN:F-52427 /TFB5698	<i>Marasmius pollidiocephalus</i>	USA: Washington			KY026636 <sup>1</sup>
TENN:F-52970 /TFB6520	<i>Gymnopus ioecephalus</i>	USA: North Carolina	DQ449984	KY019630 <sup>1</sup>	
TENN:F-53149 /TFB3591	<i>Gymnopus</i> sp. 7 ( <i>G. austrobrevipex</i> nom. prov.)	Australia: Tasmania			KY026637 <sup>1</sup>
TENN:F-53181 /TFB3585	<i>Gymnopus</i> sp. 7 ( <i>G. austrobrevipex</i> nom. prov.)	Australia: Tasmania			KY026638 <sup>1</sup>
TENN:F-53490 /TFB4930	<i>Gymnopus</i> sp. 3 ( <i>G. inflatotrama</i> nom. prov.)	USA: North Carolina			KY026640 <sup>1</sup>
TENN:F-53516 /TFB7476	<i>Coniopus acervatus</i>	Finland	GU318373-77	FJ750259 <sup>1</sup>	
TENN:F-53579 /TFB7477	<i>Gymnopus perforans</i> subsp. <i>perforans</i>	Finland			KY026641 <sup>1,2,3</sup>
TENN:F-53596 /TFB7498	<i>Coniopus acervatus</i>	Finland	GU318378	FJ750256 <sup>1</sup>	
TENN:F-53683 /TFB7572	<i>Gymnopus</i> sp. 6 ( <i>G. caulocystidiatus</i> nom. prov.)	New Zealand			KY026642 <sup>1</sup>
TENN:F-53721 /TFB7588	<i>Gymnopus</i> sp. 6 ( <i>G. caulocystidiatus</i> nom. prov.)	New Zealand			KY026643 <sup>1</sup>
TENN:F-53725 /TFB7589	<i>Gymnopus</i> sp. 6 ( <i>G. caulocystidiatus</i> nom. prov.)	New Zealand: North Island			KY026644 <sup>1</sup>
TENN:F-54050 /TFB7148	<i>Gymnopus</i> sp. 6 ( <i>G. caulocystidiatus</i> nom. prov.)	New Zealand			KY026645 <sup>1</sup>
TENN:F-54057 /TFB7179	<i>Micromphale</i> sp.	New Zealand: North Island		KY019631 <sup>1</sup>	
TENN:F-54912 /TFB9087	<i>Micromphale brevipes</i>	USA: Louisiana			KY026646 <sup>1</sup>
TENN:F-55210 /TFB8782	<i>Gymnopus foliiphilus</i>	USA: South Carolina			KY026647 <sup>2</sup>
TENN:F-55679 /TFB9031	<i>Gymnopus</i> sp. 15 ( <i>G. frigidomarginatus</i> nom. prov.)	USA: California			KY026648 <sup>1</sup>
TENN:F-55748 /TFB9121	<i>Gymnopus luxurians</i>	USA: Louisiana			KY026649 <sup>1</sup>
TENN:F-55764 /TFB9166h1	<i>Gymnopus foliiphilus</i>	USA: Tennessee, GSMNP			KY026650 <sup>1,2</sup>
TENN:F-55764 /TFB9166h2	<i>Gymnopus foliiphilus</i>	USA: Tennessee, GSMNP			KY026651 <sup>1,2</sup>
TENN:F-55904 /TFB6985	<i>Gymnopus fusipes</i>	Scotland		AF135795 <sup>1</sup>	
TENN:F-56223 /TFB7243	<i>Gymnopus foliiphilus</i>	USA: North Carolina			KY026652 <sup>2</sup>
TENN:F-56291 /TFB8682ss2	<i>Lentinula raphanica</i>	USA: Louisiana			KY026653 <sup>1</sup>
TENN:F-56721 /TFB10009	<i>Gymnopus</i> aff. <i>dichrous</i> I	USA: North Carolina			KY026654 <sup>1</sup>
TENN:F-56727 /TFB10015h1	<i>Gymnopus dichrous</i> I	USA: North Carolina			KY026655 <sup>1</sup>
TENN:F-56727 /TFB10015h2	<i>Gymnopus dichrous</i> I	USA: North Carolina			KY026656 <sup>1</sup>
TENN:F-56925 /TFB4419	<i>Anthracocephallum lateritium</i>	USA: Louisiana		AF261324 <sup>1</sup>	
TENN:F-57787 /TFB10292ss6	<i>Lentinula boyana</i>	Mexico			KY026657 <sup>1</sup>

Herbarium Designation/Other designation	Name	Location	ITS GenBank No.	LSU GenBank No.	ITS+LSU GenBank No.
TENN:F-57923 /TFB10364	<i>Gymnopus foliophilus</i>	USA: North Carolina			KY026658 <sup>2</sup>
TENN:F-58295 /TFB10826	<i>Gymnopus perforans</i> subsp. <i>perforans</i>	Russia			KY026659 <sup>2,3</sup>
TENN:F-58602 /TFB10494	<i>Gymnopus</i> sp.	Costa Rica	KY026660	FJ750263 <sup>1</sup>	
TENN:F-58613 /TFB11005	<i>Gymnopus mesoamericanus</i>	Costa Rica	DQ450035	KY019632 <sup>1</sup>	
TENN:F-58624 /TFB11016	<i>Gymnopus biformis</i>	Costa Rica	DQ450056	KY019633 <sup>1</sup>	
TENN:F-58988 /TFB10782	<i>Gymnopus juniperinus</i>	Argentina			KY026661 <sup>1</sup>
TENN:F-59140 /TFB11039	<i>Gymnopus earleae</i>	USA: Tennessee, GSMNP	DQ449994	KY019634 <sup>1</sup>	
TENN:F-59300 /TFB11439	<i>Gymnopus fusipes</i>	Austria	AF505777 <sup>2</sup>	AY256711 <sup>1</sup>	
TENN:F-60951 /TFB12836	<i>Gymnopus villosipes</i>	New Zealand: Fiordland	KJ416255	FJ750264 <sup>1</sup>	
TENN:F-62824 /TFB13579	<i>Connopus acervatus</i>	USA: Idaho	GU318393	FJ750261 <sup>1</sup>	
TENN:F-62824 /TFB13579	<i>Connopus acervatus</i>	USA: Idaho	GU318394	FJ750261 <sup>1</sup>	
TENN:F-65128 /TFB13751	<i>Marasmiellus ranealis</i>	Belgium		KJ189565 <sup>1</sup>	
TENN:F-65131 /TFB13754	<i>Gymnopus confluens</i>	Belgium	KP710288	KJ189571 <sup>1</sup>	
TENN:F-65132 /TFB13755	<i>Marasmiellus ranealis</i>	Belgium	KJ416235	KJ189566 <sup>1</sup>	
TENN:F-65835 /TFB13939	<i>Gymnopus confluens</i>	USA, NY	KP710284	KJ189579 <sup>1</sup>	
TENN:F-67864 /TFB14114	<i>Gymnopus confluens</i>	Germany	KP710295	KJ189573 <sup>1</sup>	
TENN:F-68110 /TFB14251	<i>Gymnopus biformis</i>	USA: Tennessee, GSMNP	KJ416245	KJ189567 <sup>1</sup>	
TENN:F-69123 /09-09-26 AV13	<i>Gymnopus encicola</i>	Canada: Newfoundland	KJ128264	KJ189586 <sup>1</sup>	
TENN:F-69127 /06-09-02 AV01	<i>Gymnopus encicola</i>	Canada: Newfoundland	KJ128267	KJ189588 <sup>1</sup>	
TENN:F-69215 /TFB14250	<i>Gymnopus biformis</i>	USA: Georgia	KJ416246	KJ189568 <sup>1</sup>	
UBC25212h1	<i>Gymnopus sublucatus</i>	Canada: British Columbia			KY026762 <sup>1,2,3</sup>
UBC25212h2	<i>Gymnopus sublucatus</i>	Canada: British Columbia			KY026763 <sup>1,2,3</sup>
WRW05-1170	<i>Gymnopus</i> sp.	USA: West Virginia			KY026764 <sup>1</sup>
WRW08-462	<i>Gymnopus subnudus</i>	USA: West Virginia			KY026765 <sup>1</sup>
WTU31851	<i>Marasmius pallidoccephalus</i>			KY019647 <sup>1</sup>	

<sup>1</sup> Fig 85 LSU only; <sup>2</sup> Figure 86, ITS plus LSU; <sup>3</sup> Figure 87 ITS only. GSMNP=Great Smoky Mountains National Park. h.1, h.2= haplotypes. c.1, c.2, etc. =clones.