

**Putative or confirmed ectomycorrhizal fungal taxa and representative voucher specimens recorded from 2000-2017 in *Dicymbe*-, *Aldina*-, and *Pakaraimaea*-dominated forests in the Upper Potaro, Upper Mazaruni, and Upper Demerara River Basins, Guyana, and selected extralimital Neotropical taxa. Total current number of species is 183. Holotype collections are in bold. (updated 12-25-17)**

Family	Species <sup>1</sup>	Representative Vouchers <sup>2</sup>
Boletaceae	<i>Austroboletus festivus</i> (Singer) Wolfe	TH 8164, 8732
	<i>Austroboletus rostrupii</i> (Syd. & P. Syd.) Horak	TH 8189, 9120
	<i>Binderoboletus segoi</i> T.W. Henkel & Husbands	TH <b>8035</b> , 8385, 8109, 9121
	<i>Boletellus ananas</i> var. <i>ananas</i> (M.A. Curtis) Murrill	TH 8168, 9188, MCA 984
	<i>Boletellus dicymbophilus</i> Fulgenzi & T.W. Henkel	TH 8011, 8152, <b>8616</b>
	<i>Boletellus exiguus</i> T.W. Henkel & Fulgenzi	TH 7436, <b>8696</b> , 9189
	<i>Boletellus piakaii</i> T.W. Henkel & Fulgenzi	TH <b>8728</b> , 8878, MCA 1902
	<i>Castellanea pakaraimophila</i> T.W. Henkel & M.E. Sm.	TH <b>9514</b> , 9670
	<i>Costatisporus cyanescens</i> T.W. Henkel & M.E. Sm.	TH <b>9061</b> , 9067, 10100, MCA 5850
	<i>Chalciporus</i> aff. <i>trinitensis</i> Singer	TH 8012, MCA 3949
	<i>Fistulinella cinereoalba</i> Fulgenzi & T.W. Henkel	TH <b>8471</b> , 9233, MCA 964
	<i>Guyanaporus albipodus</i> T.W. Henkel & Husbands	TH 8091, 8846, <b>8848</b> , 9506
	<i>Jimtrappea guyanensis</i> T.W. Henkel & M.E. Sm.	TH <b>9163</b> , 9540, 10077, MCA 4891
	<i>Phylloporus colligatus</i> Neves & T.W. Henkel	TH <b>8026</b> , 9107, MCA 4352
	<i>Pulveroboletus</i> cf. <i>rosaemariae</i> Singer	TH 8232
	<i>Pulveroboletus viridisquamulosus</i> ined.	TH 8371, 9154b, MCA 1840
	<i>Singerocomus inundabilis</i> (Singer) T.W. Henkel	TH 8459, 8865, 9199, MCA 4004
	<i>Singerocomus rubriflavus</i> T.W. Henkel & Husbands	TH <b>9585</b> , 9604
	<i>Sutorius eximius</i> (Peck) Halling, M. Nuhn & Osmundson	TH 8017, 8600, 8988
	<i>Tylophilus</i> aff. <i>ballouii</i> #2	TH 8218, MCA 4288
	<i>Tylophilus ballouii</i> (Peck) Singer	TH 8185, 8226, 8916
	<i>Tylophilus castaneoides</i> ined.	TH 8206, 8822, 8915, <b>9198</b>
	<i>Tylophilus exiguus</i> T.W. Henkel	TH <b>6283</b> , 8482, 8929
	<i>Tylophilus orsonianus</i> Fulgenzi & T.W. Henkel	TH <b>8106</b> , 8480, 8926
	<i>Tylophilus pakaraimensis</i> T.W. Henkel	TH <b>6610</b> , 8965, MCA 1024
	<i>Tylophilus potamogeton</i> var. <i>irengensis</i> T.W. Henkel	TH <b>6266</b> , 8153, 8801
	<i>Tylophilus rufonigricans</i> T.W. Henkel	TH <b>6376</b> , 8486, 8925
	<i>Tylophilus vinaceipallidus</i> (Corner) T.W. Henkel	TH 8060, 8466, 8859
	<i>Xerocomus amazonicus</i> Singer complex	TH 8087, 8176, 8839
	<i>Xerocomus cyaneibrunnescens</i> T.W. Henkel & Husbands	TH 8107, 8086, 8805, <b>9197</b>
	<i>Xerocomus parvogracilis</i> T.W. Henkel & Husbands	TH 8252, 8850, <b>9209</b> , 9614
	<i>Xerocomus potaroensis</i> T.W. Henkel & Husbands	TH 7421, 8802, 9177, <b>9260</b>
	<i>Xerocomus</i> sp. 1	TH 9173
Amanitaceae	<i>Amanita aurantiobrunnea</i> Simmons, T.W. Henkel & Bas	TH <b>6431</b> , 8040, 8937
	<i>Amanita calochroa</i> C.M. Simmons, T.W. Henkel & Bas	TH <b>6426</b> , MCA 1075, 3927
	<i>Amanita campinaranae</i> Bas	TH 8453, 9552, MCA 3940
	<i>Amanita craseoderma</i> Bas	TH 7434, 7547, 8907
	<i>Amanita cyanochlorinosma</i> ined.	TH 8375, 9172, MCA 3962
	<i>Amanita cyanopus</i> C.M. Simmons, T.W. Henkel & Bas	TH <b>7083</b> , 8912
	<i>Amanita floccosus</i> ined.	TH 8247, 9110, MCA 4423
	<i>Amanita lanivolva</i> Bas	TH 7514, 8123, 9151
	<i>Amanita perphaea</i> Simmons, T.W. Henkel & Bas	TH <b>6229</b> , 7471, 8942
	<i>Amanita xerocybe</i> Bas	TH 8198, 8485, 8930

	<i>Amanita</i> sp. 1	TH 8342, 8507
	<i>Amanita</i> sp. 2	TH 8083, MCA 3155, 3991
	<i>Amanita</i> sp. 3	TH 8034, 8931
	<i>Amanita</i> sp. 4	TH 8257, 8461, 8955
	<i>Amanita</i> sp. 5	TH 7664
	<i>Amanita</i> sp. 6	TH 8195
	<i>Amanita</i> sp. 7	TH 8201
	<i>Amanita</i> sp. 8	TH 8043, 8183, 8986
	<i>Amanita</i> sp. 9	TH 8056, 8455, 9043
	<i>Amanita</i> sp. 10	TH 8224
	<i>Amanita</i> sp. 11	TH 8165, 8920
	<i>Amanita</i> sp. 12	TH 9128
	<i>Amanita</i> sp. 13	TH 9251
	<i>Amanita</i> sp. 14	TH 8247
Bankeraceae	<i>Sarcodon pakaraimensis</i> A. Grupe & T.W. Henkel	TH <b>9513</b> , 9554
	<i>Sarcodon portoricensis</i> A. Grupe & T.J. Baroni	TJB <b>8776</b>
	<i>Sarcodon quercophilus</i> A. Grupe & D.J. Lodge	DJL <b>CFMR-BZ-3833</b>
	<i>Sarcodon umbilicatus</i> A. Grupe, T.J. Baroni & D.J. Lodge	TJB <b>10201</b> , 10113
	<i>Sarcodon rufogriseus</i> A.M. Vasco-Pal. & A. Grupe	AMV <b>1989</b>
	<i>Sarcodon pallidogriseus</i> A. Grupe & A.M. Vasco-Pal.	AMV <b>989</b>
	<i>Sarcodon bairdii</i> A. Grupe & A.M. Vasco-Pal.	AMV <b>990</b>
	<i>Sarcodon colombiensis</i> A.M. Vasco-Pal. & A. Grupe	AVM <b>2084</b>
Cantharellaceae	<i>Cantharellus guyanensis</i> Mont.	TH 8242, 9201, MCA 981, 3112
	<i>Craterellus atratoides</i> T.W. Henkel, Aime & A.W. Wilson	TH <b>9232</b> , MCA 1313
	<i>Craterellus</i> cf. <i>atratus</i> Corner	TH 8243, 9203, MCA 990
	<i>Craterellus excelsus</i> T.W. Henkel & Aime	TH 7515, <b>8235</b> , MCA 3107
	<i>Craterellus pleurotoides</i> (T.W. Henkel, Aime & S.L. Mill.) A.W. Wilson	TH <b>8528</b> , 8877, MCA 1908
	<i>Craterellus cinereofimbriatus</i> T.W. Henkel, Aime & A.W. Wilson	TH 8137, 8999, <b>9075</b>
	<i>Craterellus olivaceoluteus</i> T.W. Henkel, Aime & A.W. Wilson	TH 7411, 8913, <b>9205</b> , MCA 1358
	<i>Craterellus strigosus</i> T.W. Henkel, Aime & A.W. Wilson	TH <b>9204</b> , MCA 1750, 3997
Catathelasmataceae	<i>Guyanagarika anomala</i> Sanchez-Garcia, T.W. Henkel & Aime	TH <b>7419</b> , MCA 1519
	<i>Guyanagarika aurantia</i> Sanchez-Garcia, T.W. Henkel & Aime	TH 7062, <b>9693</b> , 10068, MCA 1741
	<i>Guyanagarika pakaraimensis</i> Sanchez-Garcia, T.W. Henkel & Aime	TH 6595, <b>8941</b> , 10114, MCA 4820
Clavulinaceae	<i>Clavulina cirrhata</i> (Berk.) Corner	TH 8940, 9002, 9207, MCA 3184
	<i>Clavulina albofragilis</i> ined.	TH 8987
	<i>Clavulina amazonensis</i> Corner	TH 8463, 8742, 9191
	<i>Clavulina caespitosa</i> T.W. Henkel, Meszaros & Aime	TH 8225, 8496, <b>8709</b>
	<i>Clavulina cerebriformis</i> Uehling, T.W. Henkel & Aime	MCA <b>4022</b>
	<i>Clavulina cinereoglebosa</i> Uehling, T.W. Henkel & Aime	TH 8561, MCA <b>4023</b>
	<i>Clavulina craterelloides</i> Thacker & T.W. Henkel	TH 7493, <b>8234</b> , MCA 983
	<i>Clavulina dicymbetorum</i> T.W. Henkel, Meszaros & Aime	TH 8326, 8478, <b>8730</b>
	<i>Clavulina effusa</i> Uehling, T.W. Henkel & Aime	TH 8386, 8511, 9193
	<i>Clavulina griseohumicola</i> T.W. Henkel, Meszaros & Aime	TH 8259, <b>8729</b> , 9243
	<i>Clavulina guyanensis</i> Uehling & T.W. Henkel	TH <b>9245</b> , MCA 3141, 1154
	<i>Clavulina humicola</i> T.W. Henkel, Meszaros & Aime	TH 8245, <b>8737</b>
	<i>Clavulina kunmudlutsa</i> T.W. Henkel & Aime	TH 8460, <b>8932</b> , MCA 3916
	<i>Clavulina monodiminutiva</i> T.W. Henkel, Meszaros & Aime	TH 8246, 8191, <b>8738</b>
	<i>Clavulina nigricans</i> Thacker & T.W. Henkel	TH 7440, <b>8284</b> , MCA 1115
	<i>Clavulina pakaraimensis</i> Uehling, T.W. Henkel & Aime	TH 8254, <b>9194</b> , MCA 3118
	<i>Clavulina rosiramea</i> Uehling, T.W. Henkel & Aime	TH 7652, <b>8954</b> , MCA 3141

	<i>Clavulina sprucei</i> (Berk.) Corner complex	TH 8221, 9122, MCA 3989
	<i>Clavulina tepurumenga</i> T.W. Henkel & Aime	TH <b>8217</b> , 8498, MCA 3116
Coltriciaeae	<i>Coltricia cinnamomea</i> (Jacq.) Murrill	MCA 1601
	<i>Coltricia fibrosa</i> Aime & Ryvardeen	MCA <b>2054</b> , 1040, 2266
	<i>Coltricia montagnei</i> (Fr.) Murrill	TH 8344, 8558, 9108
	<i>Coltricia verrucata</i> Aime, T.W. Henkel & Ryvardeen	MCA <b>962</b> , 2160
	<i>Coltriciella navispora</i> T.W. Henkel, Aime & Ryvardeen	TH <b>7576</b> , MCA 2156, 3927
	<i>Coltriciella oblectabilis</i> (Lloyd) Kotl., Pouzar & Ryvardeen	TH 8560, MCA 1759, 2157
Cortinariaceae	<i>Cortinarius altissimus</i> Harrower & T.W. Henkel	TH <b>8211</b> , 8539, 9180, 9690
	<i>Cortinarius</i> aff. <i>amazonicus</i> Singer & Araujo complex	TH 8193, 8166, MCA 3928
	<i>Cortinarius</i> aff. <i>galeriniformis</i> Singer complex	TH 8546, MCA 2318, 3973
	<i>Cortinarius</i> sp. 1	TH 8219, 9178, MCA 3969
	<i>Cortinarius</i> sp. 2	TH 9115, MCA 3899
	<i>Cortinarius</i> sp. 3	TH 8613, MCA 1838, 4033
	<i>Cortinarius</i> sp. 4	TH 9124, MCA 2412
Elaphomycetaceae	<i>Elaphomyces compleximurus</i> Castellano, T.W. Henkel & S.L. Mill.	TH <b>8880</b> , SLM 10096, MCA 4331
	<i>Elaphomyces digitatus</i> Castellano, T.W. Henkel & S.L. Mill.	TH <b>8887</b> , SLM 10041, MCA 995
	<i>Elaphomyces adamantinus</i> Castellano & T.W. Henkel	TH <b>9660</b>
	<i>Pseudotulostoma volvatum</i> O.K. Mill. & T.W. Henkel	TH <b>7022</b> , 8481, 8975
Entolomataceae	<i>Entoloma fragilum</i> Largent & Aime	MCA <b>2415</b>
	<i>Entoloma illinitum</i> Largent & Aime	MCA <b>2488</b>
	<i>Entoloma olivaceocoloratum</i> Largent & T.W. Henkel	TH <b>8855</b> , 9136
	<i>Entoloma rugosostriatum</i> Largent & T.W. Henkel	TH <b>6766</b>
	<i>Entoloma</i> sp. 1	TH 9118
	<i>Entoloma</i> sp. 2	TH 9137
Hysterangiaceae	<i>Hysterangium</i> sp. 1	TH 8361, 8517, MCA 1087
	<i>Hysterangium</i> sp. 2	TH 8359, 8901, MCA 3933
Inocybaceae	<i>Inocybe amazoniensis</i> Singer	MCA 3142
	<i>Inocybe ayangannae</i> Matheny, Aime & T.W. Henkel	TH 7451, 8160, MCA <b>1232</b>
	<i>Inocybe enigmata</i> Matheny & Aime	MCA 1490, <b>1868</b> , 2353
	<i>Inocybe epidendron</i> Matheny, Aime & T.W. Henkel	TH 9186, MCA <b>1473</b> , 1880
	<i>Inocybe lasserii</i> Dennis	MCA 1971
	<i>Inocybe lepidotella</i> Matheny & Aime	MCA <b>1881</b>
	<i>Inocybe liliacinasquamosa</i> Matheny, Aime & T.W. Henkel	TH 8394, 8004, MCA <b>976</b>
	<i>Inocybe marginata</i> Matheny, Aime & T.W. Henkel	TH 8921, MCA <b>1882</b> , 3190
	<i>Inocybe magnifolia</i> Matheny, Aime & T.W. Henkel	MCA 1822, <b>2441</b> , TH 9132
	<i>Inocybe</i> cf. <i>matrisdei</i> Singer	MCA 3917
	<i>Inocybe pulchella</i> Matheny, Aime & T.W. Henkel	TH 8103, 9185, MCA <b>1879</b>
	<i>Inocybe rhodella</i> Matheny, Aime & M.E. Smith	MCA <b>3917</b>
Russulaceae	<i>Russula</i> cf. <i>annicola</i> Singer	TH 7446, 8228
	<i>Russula batistae</i> Singer	TH 8236, 8227, MCA 4007
	<i>Russula campinensis</i> (Singer) T.W. Henkel, Aime & S.L. Mill.	TH 7403, 8305, MCA 982
	<i>Russula caulofructis</i> ined.	TH 8299, MCA 1834
	<i>Russula gelatinivelata</i> S.L. Mill., Aime & T.W. Henkel	TH 6360, <b>8699</b> , SLM 10066
	<i>Russula</i> cf. <i>leguminosarum</i> Singer	TH 7425, MCA 3958
	<i>Russula metachromatica</i> ssp. <i>metachromatica</i> Singer	TH 7678, 8215, MCA 3944
	<i>Russula metachromatica</i> ssp. <i>tarumaensis</i> Singer	TH 7439, 8300, MCA 3907
	<i>Russula myrmecocibaria</i> S.L. Mill., Aime & T.W. Henkel	TH <b>9016</b> , SLM 10045, MCA 3935
	<i>Russula obtusopunctata</i> Buyck	TH 7916, SLM 10113
	<i>Russula paxilliformis</i> S.L. Mill., Aime & T.W. Henkel	TH 7657, 8270, SLM 10039

	<i>Russula</i> aff. <i>phuvialis</i> Singer	TH 7940, 8212, 9230
	<i>Russula</i> aff. <i>puiggarii</i> (Speg.) Singer complex #1	TH 8310, MCA 1835, 3994
	<i>Russula</i> aff. <i>puiggarii</i> (Speg.) Singer complex #2	TH 8308, MCA 1784, 3954
	<i>Russula rubroglutinata</i> ined.	TH 7949, 8307, MCA 2096
	<i>Russula venezuelana</i> Singer	TH 7874, 7534, SLM 10014
	<i>Russula</i> sp. 1	TH 7658, 8339, 8468
	<i>Russula</i> sp. 2	MCA 4008
	<i>Russula</i> sp.3	MCA 1646, 4010
	<i>Russula</i> sp. 4	TH 7880, 8320
	<i>Russula</i> sp. 5	MCA 3957
	<i>Russula</i> sp. 6	MCA 1856
	<i>Russula</i> sp. 7	TH 9568
	<i>Russula</i> sp. 8	TH 9157
	<i>Russula</i> sp. 9	TH 9140
	<i>Lactarius</i> aff. <i>brasiliensis</i> Singer	TH 7677, 8237, 9217
	<i>Lactarius brunellus</i> S.L. Mill., Aime & T.W. Henkel	TH <b>7641</b> , 9130, SLM 10168
	<i>Lactarius</i> cf. <i>annulifer</i> Singer	TH 9014
	<i>Lactarius humicola</i> ined.	TH 9224, SLM 10023
	<i>Lactarius lignyophilus</i> ined.	TH 8251, 9239
	<i>Lactarius multiceps</i> S.L. Mill., Aime & T.W. Henkel	TH <b>7656</b> , 9154a, SLM 10146
	<i>Lactarius panuoides</i> Singer	TH 7460, 8306, MCA 1653
	<i>Lactarius subiculatus</i> S.L. Mill., Aime & T.W. Henkel	TH <b>9020</b> , SLM 10061, MCA 3938
	<i>Lactarius</i> sp. 1	TH 7481, 8273, 9240
	<i>Lactarius</i> sp. 2	TH 8338, 9234, MCA 3979
Sclerodermataceae	<i>Scleroderma sinnamariense</i> Mont.	TH 8281
	<i>Scleroderma</i> sp. 1	TH 8493
	<i>Scleroderma</i> sp. 2	MES 346
	<i>Scleroderma</i> sp. 3	MES 350
	<i>Tremellogaster surinamensis</i> E. Fisch.	SLM 10112
Sebacinaceae	<i>Sebacina incrustans</i> (Pers.) Tul. & C. Tul.	TH 8484, 8974, MCA 1975
	<i>Sebacina</i> sp. 1	TH 8996
	<i>Sebacina</i> sp. 2	TH 8622
	<i>Tremellodendron ocreatum</i> (Berk.) P. Roberts	TH 7426, 8577, MCA 2069
Thelephoraceae	<i>Thelephora</i> sp. 1	TH 8105, MCA 1888, 3131
	<i>Tomentella</i> sp. 1	TH 8544, 8568, MES 348
	<i>Tomentella</i> sp. 2	TH 8483
	<i>Tomentella</i> sp. 3	TH 8977, 8973a
	<i>Tomentella</i> sp. 4	TH 8622, 9167
	<i>Tomentella</i> sp. 5	TH 9569
Trichomomataceae	" <i>Tricholoma</i> " <i>Agaricales</i> sp. 1	TH 8115, 9050, MCA 1677
	" <i>Tricholoma</i> " <i>Agaricales</i> sp. 2	TH 8269, 8512, 8941

<sup>1</sup>Taxa lacking epithets are morphologically distinct species-level taxa as yet unidentified to species; taxa with epithets followed by "ined." have been tentatively determined as new to science but are not yet formally described. List adapted from Henkel TW, Aime MC, Chin ML, Miller SL, Vilgalys R, Smith ME (2012) Ectomycorrhizal sporocarp diversity and new taxon discovery in *Dicymbe* monodominant forests of the Guiana Shield. *Biodiversity and Conservation* 21:2195-2220.

<sup>2</sup>"TH" numbers are in Terry Henkel's collection series (housed at Humboldt State University); "MCA" numbers are in M. Catherine Aime's collection series (Purdue University); "SLM" numbers are in Steven L. Miller's collection series (University of Wyoming); "MES" numbers are in Matthew E. Smith's collection series (Duke University); "TJB" numbers are in Timothy J. Baroni's number series; "DJL" numbers are in D. Jean Lodge's number series; "AVM" numbers are Aida M. Vasco-Palacios' number series; numbers in **bold** are type collections.