**Anexo 1. Listado de hongos registrados para el Volcán de Tequila, Jalisco.**

Se listan todos los taxones de hongos hasta ahora registrados. Se incluye abreviatura de los nombres de los colectores (ver anexo 2) y sus números de colecta para cada ejemplar. Los registros nuevos para Jalisco son señalados con \* y para el área de estudio son señalados con \*\* ambas en negritas; las abreviaturas utilizadas para tipos de vegetación, hábitat u otras, son las siguientes: **A** alucinógeno, **BE** bosque de encino, **BP** bosque de pino, **BPE** bosque de pino-encino, **BTC** bosque tropical caducifolio, **C** comestible, **D** destructor de madera, **F** fimícola, **Fi** fitopatógeno, **Fu** fungícola, **Hu** humícola, **I** entomopatógeno, **L** lignícola, **M** micorrizógeno, **Me** medicinal, **P** parásito, **T** terrícola, **V** venenoso.

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**FUNGI**

**ASCOMYCOTA**

**LEOTIOMYCETES**

**Helotiales**

**Leotiaceae**

*Leotia lubrica* (Scop.) Pers.; BE, BPE, Hu, BPRS 1, GLV 9, KEA 6, MLF 927, NGRO 2, IBUG.

**PEZIZOMYCETES**

**Pezizales**

**Helvellaceae**

*Helvella acetabulum* (L.) Quél.; BE, BPE, T, M, C, FL 3349, MH 1423, MLF 921, OR 580, VMM 8, IBUG.

*H. atra* J. König; BE, BPE, T, M, C, EL 2, FL 3365, MAH 117, NCAM 4, IBUG.

*H. crispa* Bull.; BE, BPE, BTC, T, M, C, JMVV 15, KMR 19, MAH 118, MG 362, OR 599, IBUG.

*H. elastica* Bull.; BE, BPE, T, M, C, CIMP 26, LGD 5235, NMG 12, IBUG.

*H. ephippium* Lév.; BPE, T, M, LGD 4309, LJVG 6, IBUG.

*H. lacunosa* Afzel.; BE, BPE, T, M, C, JETD 41, MG 257, MRSJ 157, OR 240, SDi 99, IBUG.

*H. macropus* (Pers.) P. Karst.; BE, BPE, T, M, C, FL 3347, JMC 12, MLF 931, OR 590, OV 57, IBUG.

***\*\*H. pezizoides*** Afzel.; BPE, T, M, C, LGD 9770, IBUG.

*H. sulcata* Afzel.; BE, BPE, T, M, FJT 390-A, OR 347, 525, PVR 5, RAAC 7, IBUG.

**Morchellaceae**

*Morchella conica* Pers.; BE, T, M, C, MAH 123, IBUG.

***\*\*M. esculenta*** (L.) Pers.; BPE, T, M, C, Me, GL 7, IBUG.

**Pezizaceae**

***\*\*Peziza arvernensis*** Roze & Boud.; BPE, Hu, OR 514, IBUG.

*P. badia* Pers.; BE, BPE, Hu, IA 236, 242, LGD 4455, IBUG.

***\*\*P. celtica*** (Boud.) M.M. Moser; BE, BPE, Hu, LGD 2539, 3490, OR 145, IBUG.

***\*\*P. emileia*** Cooke; BPE, Hu, LGD 2526, IBUG.

*P. succosa* Berk.; BE, Hu, SYR 157, IBUG.

**Pyronemataceae**

*Aleuria aurantia* (Pers.) Fuckel; BE, L, C, OR 260, IBUG.

*Humaria hemisphaerica* (F.H. Wigg.) Fuckel; BE, BPE, T, CAGC 11, DT 6, LLC 2, MG 258, NMG 10, IBUG.

***\*\*Otidea alutacea*** (Pers.) Massee; BPE, Hu, JARN 13, LL 10, MH 1422, OR 3882, RLV 8, IBUG.

***\*\*O. onotica*** (Pers.) Fuckel; BPE, Hu, ILCE 3, JAGV 1, KFT SN, LJVG 15, RTM 16, IBUG.

*Scutellinia scutellata* (L.) Lambotte; BE, BPE, Hu, AYF 13, MH 1601, MMO 12, OR 898, VRC 1589, IBUG.

***\*\*Tarzetta catinus*** (Holmsk.) Korf & J.K. Rogers; BE, T, OR 225, OV 60, IBUG.

**Sarcoscyphaceae**

***\*\*Sarcoscypha coccinea*** (Gray) Boud.; BPE, L, D, DGMG 5, IBUG.

**SORDARIOMYCETES**

**Hypocreales**

**Cordycipitaceae**

***\*\*Cordyceps militaris*** (L.) Fr.; BPE, I, Me, MRSJ 693, IBUG.

**Hypocreaceae**

*Hypomyces chrysospermus* Tul. & C. Tul.; BE, BPE, P, ARMV 29, FJT 557, IA 224, LMVP SN, OR 141, IBUG.

*H. hyalinus* (Schwein.) Tul. & C. Tul.; BPE, P, JETD 10, OR 160, IBUG.

*H. lactifluorum* (Schwein.) Tul. & C. Tul.; BE, BPE, P, C, BAAO 403, FJT 375, MG 110, OR 115, SDi 106, IBUG.

**Ophiocordycipitaceae**

*Tolypocladium ophioglossoides* (J.F. Gmel.) Quandt, Kepler & Spatafora; BE, P, OR 356, IBUG.

**Xylariales**

**Xylariaceae**

*Annulohypoxylon thouarsianum* (Lév.) Y.M. Ju, J.D. Rogers & H.M. Hsieh; BE, BPE, L, D, FJT 569, JM 510, FL 3253, MAH 116, OR 359, IBUG.

*Daldinia concentrica* (Bolton) Ces. & De Not.; BE, BPE, L, D, Me, AGG 11, DBC 24, LNCR 14, OR 1475, MPV 16, IBUG.

***\*\*Poronia oedipus*** (Mont.) Mont.; BE, F, MACHa 13, IBUG.

*Xylaria hypoxylon* (L.) Grev.; BE, BPE, L, D, IA 233, MG 82, 199, OL 15, 18, IBUG.

**BASIDIOMYCOTA**

**AGARICOMYCETES**

**Agaricales**

**Agaricaceae**

***\*\*Agaricus campestris*** L.; BE,T, C, Me, MJ 10, IBUG.

***\*\*A. xanthodermus*** Genev.; BE, T, V, Me, MDA 24, IBUG.

***\*Bovista* cf. *aestivalis*** (Bonord.) Demoulin; BE, BPE, L, IGRS 23, OR 93, 760, IBUG.

***\*\*Calvatia cyathiformis*** (Bosc) Morgan; BPE, T, M, C, CN 9, EL 7, IBUG.

*Chlorophyllum molybdites* (G. Mey.) Massee; BE, BPE, T, V, GB 14, JAZ 24, LGD 9840, LH 20, OG 22, IBUG.

***\*\*Coprinus comatus*** (O.F. Müll.) Pers.; BPE, T, C, DCGT 5, IBUG.

***\*\*Cyathus olla*** (Batsch) Pers.; BPE, F, OR 64, IBUG.

*C. stercoreus* (Schwein.) De Toni; BPE, F, LGD 2492, IBUG.

***\*\*Lepiota alopochroa*** (Berk. & Broome) Sacc.; BE, T, OR 755, IBUG.

***\*\*Leucoagaricus rubrotinctus*** (Peck) Singer; BE, T, V, MRSJ 680, IBUG.

***\*\*Leucocoprinus******birnbaumii*** (Corda) Singer; BPE, T, M, CCL 18, JRRG 2, IBUG.

***\*\*Lycoperdon candidum*** Pers.; BE, BPE, Hu, C, Me, APG 15, GILC 1, LJVG 18, MAH 125, OR 900-A, 919, IBUG.

***\*\*L. fuscum*** Huds.; BE, Hu, MGS 3, IBUG.

***\*\*L. molle*** Pers.; BE, BPE, Hu, IA 831, LGD 4289, MG 138, 254, OR 352, IBUG.

*L. perlatum* Pers.; BE, BPE, Hu, C, Me, AGN 22, ARP 17, GA 20, OR 4107, SDi 98, IBUG.

*L. pyriforme* Schaeff.; BE, BPE, Hu, C, CORE 2, IGRS 2, LGD 2516, 8512, OR 577, IBUG.

***\*\*L. umbrinum*** Pers.; BE, BPE, Hu, C, ELC 18, LVI SN, OR 127, 201, SYR 153, IBUG.

*Macrolepiota procera* (Scop.) Singer; BE, T, C, LMVP SN, MJ 6, 9, IBUG.

**Amanitaceae**

*Amanita alexandri*Guzmán; BPE, T, M, V, CM 11, RGRi 12, IBUG.

*A. basii* Guzmán & Ram.-Guill.; BPE, T, M, LGD 2466, IBUG.

***\*\*A. bisporigera*** G.F. Atk.; BE, BPE, T, M, V, MRSJ 676, OR 86, IBUG.

*A. caesarea* (Scop.) Pers.; BE, BPE, T, M, C, LGD 2496, 3487, OR 21, 753, 1496, IBUG.

*A. chlorinosma* (Peck) Lloyd; BPE, T, M, V, MLF SN, IBUG.

***\*\*A. citrina***Pers.; BPE, T, M, V, OR 3870, IBUG.

*A. echinocephala* (Vittad.) Quél.; BPE, T, M, LGD 1656, IBUG.

*A. flavoconia* G.F. Atk.; BE, BPE, T, M, AMa 4, AVSI 11, BGV 19, OR 467, 1468, IBUG.

***\*\*A. fulva*** Fr.; BPE, T, M, C, LMT 21, IBUG.

**\*\**A. gemmata* f. *gemmata*** (Fr.) Bertill.; BE, BPE, T, M, V, FJT 565, LGD 2555, LVI SN, MLF 929, IBUG.

*A. gemmata*(Fr.) Bertill.; BPE, T, M, V, LGD 1659, OR 3874-B, PCG 1, IBUG.

*A.* *laurae* Guzmán & Ram.-Guill.; BPE, T, M, C, LGD 2496, IBUG.

***\*\*A. magnivelaris*** Peck; BPE, T, M, V, LGD 4305, OR 144, IBUG.

***\*\*A. onusta*** (Howe) Sacc.; BPE, T, M, V, OR 539, IBUG.

*A. pantherina* (DC.) Krombh.; BE, T, M, V, LGD 2517, 4306, OR 129, 1489, RRD 2101, IBUG.

*A. ravenelii* (Berk. & Broome) Sacc.; BPE, T, M, V, OR 481, IBUG.

*A. rubescens* Pers.; BE, BPE, T, M, C, BAAO 399, MG 193, OR 84, 264, 758, IBUG.

*A. tecomate* Guzmán & Ram.-Guill.; BE, T, M, C, OR 753, IBUG.

*A. vaginata* (Bull.) Lam.; BE, BPE, T, M, C, MH 1361, MRSJ 942-A, OR 208, 576, 4106, IBUG.

*A. verna* (Bull.) Lam.; BPE, T, M, V, Me, SYR 160, OR 482, IBUG.

***\*\*A. virosa***Secr.; BPE, T, M, V, Me, MVS 5, IBUG.

*A. yema* Guzmán & Ram.-Guill.; BPE, T, M, OR 59, IBUG.

**Cortinariaceae**

***\*\*Cortinarius sanguineus*** (Wulfen) Fr.; BPE, Hu, V, AGG 7, MCB 9, IBUG.

***\*C. semisanguineus*** (Fr.) Gillet; BPE, Hu, V, CAD 9, IBUG.

*C. splendens* Rob. Henry; BPE, Hu, V, OR 783, IBUG.

**Cyphellaceae**

*Chondrostereum purpureum* (Pers.) Pouzar; BPE, L, D, CYRF 7, KDCJ 17, MG 366, RISC 19, IBUG.

***\*\*Gloeostereum incarnatum***S. Ito & S. Imai; BPE, L, D, EJGA 7, MCSG 25, XSMD 10, IBUG.

**Entolomataceae**

*Entoloma appressum*(Largent) Noordel. & Co-David; BPE, T, DMo 198, IBUG.

*E.* cf. *carolinianum*Hesler; BE, T, MG 216, OR 398, IBUG.

*E. chalybeum*(Pers.) Noordel.; BPE, T, DMo 197, IBUG.

*E. dulciodorans* Montañez, Noordeloos & Guzmán-Dávalos; BE, T, OR 322, 324, IBUG.

*E. griseoavellaneum*Largent; BE, T, OR 322, 324, IBUG.

*E. griseorhodopolium* Montañez, Noordeloos & Guzmán-Dávalos; BE, T, LGD 5239, IBUG.

*E. griseum*Peck; BE, T, LGD 5239, IBUG.

*E. myrmecophilum*(Romagn.) M.M. Moser; BPE, T, FDSB 5, VUQ 1, IBUG.

*E.* cf. *nigrobrunneum*Hesler; BE, T, OR 579, IBUG.

*E. rhodopolium*(Fr.) P. Kumm.; BE, T, DMo 149, 150, IGRS 11, IBUG.

*E. subfurfuraceum*Hesler; BE, T, IA 390, IBUG.

*E.* cf. *subsolstitiale*(Largent) Noordel. & Co-David; BPE, T, DMo 193, IBUG.

**Hydnangiaceae**

*Laccaria amethystina* Cooke; BE, BPE, T, M, C, FLZA 21, LGD 1651, MH 1416, MRSJ 667, VRC 1613, IBUG.

*L. laccata* (Scop.) Cooke; BE, BPE, T, M, C, AH 4, COR 10, GILC 25, MAHR 109, MH 1425, IBUG.

**Hygrophoraceae**

***\*\*Hygrocybe conica***(Schaeff.) P. Kumm.; BE, BPE, T, MAH 122, MH 1439, BAAO 447, CJRD 1, JJBM 21, IBUG.

***\*Hygrocybe* cf. *miniata*** (Fr.) P. Kumm.; BE, T, MLF 933, IBUG.

***\*\*Hygrophorus psittacinus*** (Schaeff.) Fr.; BE, T, M, LGD 4383, IBUG.

*H. russula* (Schaeff.) Kauffman; BE, BPE, T, M, C, CIMP 21, JDGP 19, LGD 2497, MG 293, OR 545, IBUG.

**Inocybaceae**

*Crepidotus mollis* (Schaeff.) Staude; BE, BPE, T, LGD 3264, MG 77, 196, OR 44, 444, IBUG.

*Inocybe confusa* P. Karst.; BE, T, M, V, LGD 2538, MRSJ 670, IBUG.

***\*\*I. geophylla*** (Bull.) P. Kumm.; BE, BPE, T, M, V, DRDL 12, OG SN, SYR 167, IBUG.

***\*\*I. geophylla* var. *alba*** Gillet; BPE, T, M, V, LGD 1663, IBUG.

**Lyophyllaceae**

*Lyophyllum decastes* (Fr.) Singer; BPE, T, BAAO 457, OR 903, IBUG.

**Marasmiaceae**

***\*\*Marasmius oreades*** (Bolton) Fr.; BPE, Hu, C, Me, AGG 8, IBUG.

*M. rotula* (Scop.) Fr.; BE, BPE, Hu, FL 3268, LGD 3261, 10273, MG 146, OR 1471, IBUG.

**Mycenaceae**

***\*\*Mycena acicula*** (Schaeff.) P. Kumm.; BE, Hu, MRSJ 683, IBUG.

*Panellus stipticus* (Bull.) P. Karst.; BE, BPE, L, D, MG 289-B, MRSJ 1203, OR 899, 3831, OV 66, IBUG.

***\*\*Xeromphalina tenuipes*** (Schwein.) A.H. Sm.; BE, BPE, L, D, LMVP SN, SLG 6, IBUG.

**Omphalotaceae**

***\*\*Gymnopus alkalivirens*** (Singer) Halling; BE, Hu, V, OR 96-A, IBUG.

***\*\*G. dryophilus***(Bull.) Murrill; BE, BPE, Hu, C, COTP 15, LGD 3253, OR 31, 754, SYR 163, IBUG.

*G. polyphyllus* (Peck) Halling; BE, BPE, Hu, AEMR 8, MRSJ 546, 685, OR 57, 719, IBUG.

***\*\*Lentinula boryana*** (Berk. & Mont.) Pegler; BE, L, D, IA 834, JAPL 11, IBUG.

*Omphalotus mexicanus* Guzmán & V. Mora; BE, BPE, T, MG 233, OR 318, RGC 206, IBUG.

*Rhodocollybia butyracea* (Bull.) Lennox; BPE, Hu, C, MRSJ 696, IBUG.

**Physalacriaceae**

*Armillaria mellea* (Vahl) P. Kumm.; BE, BPE, P, C, Me, LGD 4283, LVI SN, MG 249, OR 28, 518, IBUG

*A. polymyces* (Pers.) Singer & Clémençon; BE, BPE, P, C, LGD 3259, 3277, OR 459, 468, 904,IBUG.

*Oudemansiella canarii* (Jungh.) Höhn.; BE, BPE, L, D, FJT 568, MG 237, MGTT 626, 634, OR 41, IBUG.

**Pleurotaceae**

*Hohenbuehelia angustata* (Berk.) Singer; BE, L, D, LGD 3216, OR 77, IBUG.

*Pleurotus djamor* (Rumph. ex Fr.) Boedijn; BPE, L, D, C, Me, ABri 3, JETD 40, MAHRo 26, IBUG.

***\*\*P. smithii*** Guzmán; BPE, L, D, C, OR 3475, IBUG.

**Pluteaceae**

*Pluteus cervinus* (Schaeff.) P. Kumm.; BE, BPE, L, D, C, BLCH 3, OR 472, 1473, 4105, IBUG.

*P. chrysophlebius* (Berk. & M.A. Curtis) Sacc.; BPE, L, D, OR 924, IBUG.

*Volvariella bakeri* (Murrill) Shaffer; BE, BTC, L, D, C, IA 330, LGD 2459, RF 1, IBUG.

***\*\*V. lepiotospora*** Singer; BPE, L, D, LGD 10686, IBUG.

*V. volvacea* (Bull.) Singer; BTC, L, D, C, Me, CV 42, JR 8, IBUG.

**Psathyrellaceae**

*Coprinellus micaceus* (Bull.) Vilgalys, Hopple & Jacq. Johnson; BE, L, OR 34, IBUG.

***\*\*Coprinopsis lagopus*** (Fr.) Redhead; BE, BPE, Hu, LMVP SN, OR 37, IBUG.

*Panaeolus antillarum* (Fr.) Dennis; BE, BPE, F, BF 4-A, JGS 4, MJ 17, MLTA 24, MMP 44, IBUG.

*P. cyanescens* (Berk. & Broome) Sacc.; BE, F, Me, OR 228, IBUG.

***\*\*P. semiovatus*** (Sowerby) S. Lundell & Nannf.; BE, F, MJ 8, IBUG.

*Psathyrella candolleana* (Fr.) Maire; BE, L, LGD 4299, OR 75, 125, 195, IBUG.

***\*\*P. delineata*** (Peck) A.H. Sm.; BE, L, OR 42, IBUG.

***\*\*P. hypertropicalis*** Guzmán, Bandala & Montoya; BE, L, LGD SN, IBUG.

**Schizophyllaceae**

*Schizophyllum commune* Fr.; BE, BPE, L, D, C, Me, CHA 10, FO 20, GLe 19, IA 238, FL 3268, IBUG.

**Strophariaceae**

*Agrocybe pediades* (Fr.) Fayod; BE, T, MJ 13, IBUG.

*Deconica coprophila* (Bull.) P. Kumm.; BE, BPE, T, ELo 3, IA 306, OR 149, VRC 1611, IBUG.

***\*Deconica* cf. *montana*** (Pers.) P. Kumm.; BE, T, OV 447, IBUG.

*Hypholoma fasciculare* (Huds.) P. Kumm.; BE, BPE, L, V, Me, LGD 2528, LMVP SN, MG 117, MH 1368, OR 40, IBUG.

*Pholiota squarrosa* (Vahl) P. Kumm.; BE, L, LGD 2524, 3232, IBUG.

*Psilocybe cubensis* (Earle) Singer; BE, BPE, F, A, Me, KMR 7, MG 195, OR 218, IBUG.

***\*\*Stropharia rugosoannulata*** Farl. ex Murrill; BPE, T, M, C, SYR 190, IBUG.

**Tricholomataceae**

***\*Clitocybe costata*** Kühner & Romagn.; BPE, T, M, FJGB 6, MCra 8, CAD 5, KCS 7, MGAR 12, IBUG.

***\*\*C. gibba*** (Pers.) P. Kumm.; BE, BPE, T, M, C, Me, EDMD 38, LMT 27, MAVP 14, MMV 11, OR 311, IBUG.

***\*\*Lepista nuda*** (Bull.) Cooke; BE, BPE, Hu, C, Me, BAAO 443, DBC 21, JUMV 2, NPGG 11, OR 589, IBUG.

*Leucopaxillus amarus* (Alb. & Schwein.) Kühner; BE, BPE, Hu, LGD 3276, MRSJ 239, OR 768, IBUG.

*Tricholoma equestre* (L.) P. Kumm.; BE, BPE, T, M, C, FL 3245, LGD 5241, MG 273, OR 364, IBUG.

*T. magnivelare* (Peck) Redhead; BE, BPE, T, M, IA 227, LGD 4225, SDi 102, IBUG.

***\*\*Tricholomopsis rutilans*** (Schaeff.) Singer; BPE, T, M, LGD 2471, OR 299, IBUG.

**Auriculariales**

**Auriculariaceae**

***\*\*Auricularia auricula-judae*** (Bull.) Quél.; BPE, L, D, C, Me, LLC 12, IBUG.

*A. mesenterica* (Dicks.) Pers.; BE, BPE, L, D, C, Me, MG 255, OR 385, IBUG.

***\*\*A. polytricha*** (Mont.) Sacc.; BE, BPE, L, D, C, CE 2, EB 29, MMP 38, PMT 11, SSC 15, IBUG.

**Exidiaceae**

***\*\*Ductifera pululahuana***(Pat.) Donk; BPE, L, D, MH 1366, 1585, IBUG.

**Boletales**

**Boletaceae**

*Austroboletus gracilis* (Peck) Wolfe; BPE, T, M, OR 912-A, IBUG.

*Boletellus ananas* (M.A. Curtis) Murrill; BE, BPE, T, M, C, BAAO 394, LGD 4312, OR 140, PGB 1, IBUG.

***\*\*B. russellii*** (Frost) E.-J. Gilbert; BPE, T, M, C, AGG 16, CBD 11, CCL 9, GILC 31, MLSB 7, IBUG.

*Boletus edulis* Bull.; BE, T, M, C, OR 1485, IBUG.

*B. erythropus* Pers.; BPE, T, M, C, CGo 2, JJG SN, IBUG.

*B. flammans* E.A. Dick & Snell; BE, BPE, T, M, C, AMU 20, CCL 11, GL 3, JPRG 15, OR 757, IBUG.

*B. luridus* Sowerby; BE, T, M, C, MG 194, IBUG.

***\*\*B. reticulatus*** Schaeff.; BPE, T, M, C, OR 478, IBUG.

***\*\*Buchwaldoboletus hemichrysus*** (Berk. & M.A. Curtis) Pilát; BE, T, M, OR 588, IBUG.

*Butyriboletus regius* (Krombh.) Arora & J.L. Frank; BE, BPE, T, M, C, LGD 2502, MG 343, MRSJ 156, IBUG.

*Exsudoporus frostii* (J.L. Russell) Vizzini, Simonini & Gelardi; BE, BPE, T, M, C, BAAO 357, FJT 558, MG 330, MGTT 629, OR 243, IBUG.

*Fistulinella wolfeana* Singer & J. García; BE, BPE, T, M, FMLG 9, LARP 3, LGD 8923, LSMR 5, MCB 1, IBUG.

*Harrya chromapes* (Frost) Halling, Nuhn, Osmundson & Manfr. Binder; BE, BPE, T, M, LGD 3220-A, 11159, OR 368, IBUG.

***\*\*Heimioporus betula***(Schwein.) E. Horak; BPE, T, M, BLCH 1, IBUG.

*Leccinum arbuticola* Thiers; BE, BPE, T, M, MG 339, OR 190, 369, 428, 475, IBUG.

*L. rugosiceps* (Peck) Singer; BPE, T, M, OR 279, IBUG.

*Phylloporus rhodoxanthus* (Schwein.) Bres.; BE, BPE, T, M, LGD 4294, OR 542, 766, IBUG.

***\*\*Pulveroboletus ravenelii*** (Berk. & M.A. Curtis) Murrill; BPE, T, M, LGD 4484, IBUG.

*Strobilomyces confusus* Singer; BE, BPE, T, M, C, LGH 2, OR 153, IBUG.

*S. strobilaceus* (Scop.) Berk.; BE, BPE, T, M, C, CAB 10, FL 3259, LGD 2461, OR 139, 761, IBUG.

*Sutorius eximius* (Peck) Halling, M. Nuhn & Osmundson; BE, BPE, T, M, FJT 1136, LGD 5645, MG 272, OR 380, 429, IBUG.

*Tylopilus felleus* (Bull.) P. Karst.; BE, BPE, T, M, MG 219, 338, OR 261, 511, 769, IBUG.

***\*\*Xerocomellus chrysenteron*** (Bull.) SŠutara; BPE, T, M, C, OR 911, IBUG.

***\*\*Xerocomus spadiceus*** (Schaeff. ex Quél.) Quél.; BPE, T, M, C, SSG 16, IBUG.

**Boletinellaceae**

***\*\*Boletinellus merulioides***(Schwein.) Murrill; BPE, T, M, KAN 3, IBUG.

**Diplocystidiaceae**

*Astraeus hygrometricus* (Pers.) Morgan; BE, BPE, T, M, Me, MDA 19, MG 185, NC 19, OG 21, OR 319, IBUG.

**Gomphidiaceae**

***\*\*Chroogomphus rutilus*** (Schaeff.) O.K. Mill.; BE, BPE, T, M, C, LGD 1654, MLF 922, MRSJ 690, OR 505, 536, IBUG.

**Hygrophoropsidaceae**

***\*\*Hygrophoropsis aurantiaca*** (Wulfen) Maire; BE, BPE, T, M, C, BGAN 5, CGD 8, EAL 9, ICAR 3, MFS 1, IBUG.

**Sclerodermataceae**

***\*\*Pisolithus arhizus***(Scop.) Rauschert; BE, BPE, T, M, Me, OR 85, 114, IBUG.

*Scleroderma areolatum* Ehrenb.; BE, BPE, T, M, V, AGD 121, CVR 9, HAA 2, MLTA 29, MRSJ 665, IBUG.

*S. cepa* Pers.; BE, BPE, T, M, C, FJT 559, OR 214, IBUG.

***\*\*S. floridanum*** Guzmán; BE, BPE, T, M, EB 34, OR 546, IBUG.

***\*\*S. laeve*** Lloyd; BE, T, M, OR 236, IBUG.

*S. texense* Berk.; BPE, T, M, V, CORE 8, JRRG 9, RGR 9, SV 6, XSMD 4, IBUG.

*S. verrucosum* (Bull.) Pers.; BE, BPE, T, M, V, ELC 21, JGR 7, LGD 10275, MG 360, YPP 31, IBUG.

**Suillaceae**

*Suillus granulatus* (L.) Roussel; BPE, T, M, C, OJRR 6, OR 54, 925, IBUG.

***\*\*S. luteus*** (L.) Roussel; BE, T, M, C, Me, MLF 919, IBUG.

*S. tomentosus* (Kauffman) Singer; BPE, T, M, C, ISL 9, OR 22, 483, SC SN, IBUG.

**Cantharellales**

**Cantharellaceae**

*Cantharellus cibarius* Fr.; BE, BPE, T, M, C, Me, IGRS 5, LGD 2465, MG 215, MH 1582, OR 2632, IBUG.

*C. cinnabarinus* (Schwein.) Schwein.; BPE, T, M, C, OR 463, IBUG.

*Craterellus cornucopioides* (L.) Pers.; BPE, T, M, C, EDMD 29, IBUG.

**Clavulinaceae**

***\*\*Clavulina cinerea*** (Bull.) J. Schröt.; BPE, T, M, C, KARG 1, ORTG 1, IBUG.

***\*\*C. rugosa***(Bull.) J. Schröt.; BPE, T, M, C, GILC 9, IBUG.

**Hydnaceae**

*Hydnum repandum* L.; BE, BPE, T, M, C, AGAG 21, MG 324, MH 1409, OR 351, VC 15, IBUG.

**Geastrales**

**Geastraceae**

***\*\*Geastrum saccatum*** Fr.; BE, T, M, Me, DFG 4a, 92, IBUG.

**Gloeophyllales**

**Gloeophyllaceae**

***\*\*Gloeophyllum sepiarium*** (Wulfen) P. Karst.; BPE, L, D, EGV 4, IBUG.

**Gomphales**

**Clavariadelphaceae**

*Clavariadelphus truncatus* Donk; BE, T, M, C, Me, OR 349, IBUG.

**Gomphaceae**

*Ramaria araiospora* var. *araiospora* Marr & D.E. Stuntz; BPE, T, M, OR 3818-A, IBUG.

*R. botrytis* (Pers.) Ricken; BPE, T, M, C, AGG 9, LL 13, MRV 21, OVG 16, PC 21, IBUG.

*R. flava* (Schaeff.) Quél.; BE, BPE, T, M, C, AGG 12, OR 342, PABS 6, WEPC 6, GG 24595, IBUG, XAL.

*R. formosa* (Pers.) Quél.; BE, BPE, T, M, V, BVSG 9, LGD 2514, 2518, 4465, MG 3241, IBUG.

***\*\*R. stricta***(Pers.) Quél.; BPE, T, M, MBC 1, IBUG.

***\*\*Turbinellus floccosus*** (Schwein.) Earle ex Giachini & Castellano; BPE, T, M, C, ARM 25, IBUG.

**Hymenochaetales**

**Hymenochaetaceae**

*Coltricia cinnamomea* (Jacq.) Murrill; BE, BPE, T, M, Me, CAD 2, LMVP SN, MRSJ 1198, OIGP 5, OR 441, IBUG.

*C. focicola* (Berk. & M.A. Curtis) Murrill; BE, BPE, T, M, GM 15, LMVP SN, MG 329, OR 490, SDi 114, IBUG.

***\*\*C. montagnei*** (Fr.) Murrill; BPE, T, M, EFR 29, LMVP SN, IBUG.

*C. perennis* (L.) Murrill; BE, BPE, T, M, Me, GG 24596, FJT 380-B, MG 266, MH 1362, MRSJ 668, ENCB, IBUG.

***\*Inonotus farlowii*** (Lloyd) Gilb.; BPE, L, D, CMBE 15, FJMN 1, MG 333, IBUG.

***\*\*I. fulvomelleus*** Murrill; BE, L, D, FG 17, IBUG.

***\*\*I. luteoumbrinus***(Romell) Ryvarden; BPE, L, D, OPC 6, IBUG.

***\*\*Phellinus badius***(Cooke) G. Cunn.; BE, L, D, OR 790, IBUG.

***\*\*P. gilvus*** (Schwein.) Pat.; BE, BPE, L, D, ADF 21, MAH 21, MG 177, 335, MLSB 2, IBUG.

*P. sarcites* (Fr.) Ryvarden; BE, BPE, L, D, CHA 11, GGCG 2, LGD 2551, MG 333-A, OR 1493, IBUG.

**Rickenellaceae**

*Cotylidia diaphana* (Schwein.) Lentz; BE, Hu, LGD 4387, IBUG.

**Polyporales**

**Fomitopsidaceae**

***\*\*Daedaleopsis confragosa*** (Bolton) J. Schröt.; BPE, L, D, CE 8, CHA 5, IBUG.

***\*\*Fomitopsis cajanderi*** (P. Karst.) Kotl. & Pouzar; BE, L, D, MLF 926, IBUG.

***\*\*F. pinicola***(Sw.) P. Karst.; BPE, L, D, Me, OPC 2, IBUG.

***\*\*F. rosea***(Alb. & Schwein.) P. Karst.; BPE, L, D, JDSR 8, IBUG.

***\*\*Phaeolus schweinitzii*** (Fr.) Pat.; BE, BPE, L, D, GGCG 1, MDAR 2, MG 132, IBUG.

***\*\*Postia caesia***(Schrad.) P. Karst.; BPE, L, D, CAD 11, IBUG.

***\*\*P. fragilis*** (Fr.) Jülich; BE, L, D, MG 245, OR 316, 410, IBUG.

**Ganodermataceae**

***\*\*Ganoderma applanatum*** (Pers.) Pat.; BE, BPE, L, D, Me, AMa 9, LGD 4486, LMVP SN, MG 86, 310, IBUG.

*G. curtisii* (Berk.) Murrill; BE, BPE, L, D, GM 6, MG 111, MLF 932, OR 148, OVG 10, IBUG.

*G. lobatum* (Schwein.) G.F. Atk.; BE, BPE, L, D, GM 13, MG 139, 370, OR 409, SAR 7, IBUG.

*G. oerstedii* (Fr.) Torrend; BPE, L, D, VLCC 11, IBUG.

*G. sessile* Murrill; BE, BPE, L, D, MG 189-A, MGPC 3, IBUG.

**Meripilaceae**

*Hydnopolyporus palmatus* (Hook.) O. Fidalgo; BE, BPE, T, M, C, BAAO 446, EHOC 2, LNCR 8, ODGD 9, PSCR 1, IBUG.

**Meruliaceae**

***\*\*Abortiporus biennis*** (Bull.) Singer; BE, L, D, MG 279, OR 360, IBUG.

*Bjerkandera adusta* (Willd.) P. Karst.; BE, BPE, L, D, DRDL 24, MG 91, 371, MRSJ 599, OR 1494, IBUG.

*Cymatoderma caperatum* (Berk. & Mont.) D.A. Reid; BE, BPE, L, D, AGD 119, DBC 23, FDSB 11, LMR 15, OVG 18, IBUG.

***\*\*Gelatoporia dichroa*** (Fr.) Ginns; BE, BPE, L, D, ABu 29, MG 181, MRSJ 1201, OR 274, 520, IBUG.

*Irpex lacteus* (Fr.) Fr.; BE, BPE, L, D, HACF 21, MG 103, 365, OR 414, 494, IBUG.

*Merulius tremellosus* Schrad.; BE, BPE, L, D, Me, ALE 7, MG 252, 321, MH 1590, OR 521, IBUG.

*Steccherinum ochraceum* (Pers.) Gray; BE, L, D, LGD 3249, MG 85, 86, IBUG.

**Phanerochaetaceae**

*Phlebiopsis crassa* (Lév.) D. Floudas & Hibbett; BE, L, D, OR 597, IBUG.

**Polyporaceae**

***\*\*Echinochaete brachypora*** (Mont.) Ryvarden; BE, L, D, OR 587, IBUG.

*Favolus tenuiculus* P. Beauv.; BE, BPE, L, D, C, BJGN 13, MG 109, MMP 40, OR 795, SJML 10, IBUG.

***\*\*Funalia floccosa*** (Jungh.) Zmitr. & Malysheva; BE, BPE, L, D, JGS 5, MG 159, MGPC 15, OR 442, 1476, IBUG.

*F. polyzona* (Pers.) Niemelä; BPE, L, D, LGD 1666, MG 247, SSC 12, IBUG.

*Hexagonia hirta* (P. Beauv.) Fr.; BE, BPE, L, D, DRDL 23, JPRG 19, LMM 34, MG 368, OR 557, IBUG.

***\*\*H. hydnoides*** (Sw.) M. Fidalgo; BPE, L, D, SSC 13, IBUG.

***\*\*H. tenuis*** (Hook.) Fr.; BE, BPE, L, D, FO 27, JPRG 18, MAH 8, ORC 12, RLG 12, IBUG.

***\*\*H. variegata*** Berk.; BPE, L, D, AMa 13, BCVQ 11, CJRI 8, KLGE 28, LAGT 25, IBUG.

***\*\*Lentinus badius*** (Berk.) Berk.; BPE, L, D, MCB 12, IBUG.

***\*\*L. crinitus*** (L.) Fr.; BE, BPE, L, D, BAAO 442, FJT 452, MDA 22, MLF 924, SDi 109, IBUG.

*L. levis* (Berk. & M.A. Curtis) Murrill; BE, BPE, L, D, C, LGD 2474, LVI SN, MJ 26, OR 461, 3537, IBUG.

***\*\*L. sulcatus*** Berk.; BE, BPE, L, D, LMVP SN, IBUG.

*Lenzites betulina* (L.) Fr.; BE, BPE, L, D, Me, CG 5-B, GM 14, MG 96, 369, SDi 112, IBUG.

***\*\*L. elegans*** (Spreng.) Pat.; BE, BPE, L, D, CS 7, MGAR 14, MRSJ 158-A, IBUG.

*Polyporus alveolaris* (DC.) Bondartsev & Singer; BE, BPE, L, D, LGD 1650, MG 217, 353, OR 161, 522, IBUG.

*P. arcularius* (Batsch) Fr.; BE, BPE, L, D, BAAO 401, FO 24, MG 182, OL 9, OR 197, IBUG.

***\*\*P. tricholoma*** Mont.; BE, BPE, BTC, L, D, ARMV 28, DM 17, MAH 134, OR 602, SDi 137, IBUG.

*Pycnoporus sanguineus* (L.) Murrill; BE, BPE, L, D, Me, AVG 24, BGR 3, JPCS 9, MLTA 23, WIVV 23, IBUG.

*Trametes hirsuta* (Wulfen) Lloyd; BPE, L, D, APRP 12, OHV 17, VUQ 15, IBUG.

*T. maxima* (Mont.) A. David & Rajchenb.; BPE, L, D, MG 304, 311, IBUG.

*T. versicolor* (L.) Lloyd; BE, BPE, L, D, Me, FMV 14, JGR 20, MDRC 18, MG 61, MH 1419, IBUG.

*T. villosa* (Sw.) Kreisel; BE, BPE, L, D, ENIC 22, MDA 23, MG 75, MGTT 705, OG 24, IBUG.

*Trametopsis cervina* (Schwein.) Tomsovsky; BPE, BTC, L, D, JALL 2, KDGC 4, MG 315, 356, RTM 2, IBUG.

*Trichaptum biforme* (Fr.) Ryvarden; BE, BPE, L, D, BAAO 358-B, MG 79, MJ 31, OR 420, SJML 3, IBUG.

**Russulales**

**Albatrellaceae**

*Laeticutis cristata* (Schaeff.) Audet; BE, BPE, T, JCLU 7, MRSJ 976, OR 235, SDi 104-B, SYR 158, IBUG.

***\*\*Polyporoletus sublividus*** Snell; BE, BPE, T, M, MG 179, SN, IBUG.

**Auriscalpiaceae**

***\*\*Auriscalpium vulgare*** Gray; BPE, L, D, AVC 15, IBUG.

**Bondarzewiaceae**

***\*\*Heterobasidion annosum*** (Fr.) Bref.; BE, BPE, L, D, GGL 10, GH SN, IBUG.

**Russulaceae**

*Lactarius chrysorrheus* Fr.; BPE, T, M, V, LVI SN, ELIA 14, IBUG.

***\*\*L. deliciosus*** (L.) Gray; BE, T, M, C, Me, AL 20, IBUG.

*L. indigo* (Schwein.) Fr.: BE, BPE, T, M, C, Me, AFPA 23, BCVI 12, CAB 18, ILCE 38, OR 4108, IBUG.

*L. lacteolutescens* Montoya, Bandala & G. Moreno; BE, T, M, OR 3709, IBUG.

*L. scrobiculatus* (Scop.) Fr.; BPE, T, M, V, NMAT 7, IBUG.

*L. torminosus* (Schaeff.) Gray; BE, BPE, T, M, V, FJT 567, MG 359, OR 298, 3869, OV 55, IBUG.

*L. yazooensis* Hesler & A.H. Sm.; BE, T, M, OR 3712, IBUG.

*L. zonarius* (Bull.) Fr.; BE, BPE, T, M, LGD 2533, RISC 1, IBUG.

*Lactifluus piperatus* (L.) Kuntze; BPE, T, M, C, AVNR 5, MRSJ 688, NPGG 6, OR 204, YHM 3, IBUG.

***\*\*L. vellereus*** (Fr.) Kuntze; BPE, T, M, Me, OR 910, IBUG.

*L. volemus* (Fr.) Kuntze; BE, BPE, T, M, OR 177, 519, 547, IBUG.

*Russula alutacea* (Fr.) Fr.; BE, BPE, T, M, C, LGD 1668, 3210, OR 48, 526, SYR 165, IBUG.

***\*\*R. brevipes*** Peck; BPE, T, M, C, AG 3, YDD 9, IBUG.

*R. cyanoxantha* (Schaeff.) Fr.; BE, T, M, C, IA 229, LGD 2523, 4470, OR 123, 1495, IBUG.

*R. emetica* (Schaeff.) Pers.; BE, BPE, T, M, V, Me, JM SN, ECZ 5, LGD 2537, 3258, 3260, ENCB, IBUG.

***\*\*R. flavida*** Frost; BE, BPE, T, M, LGD 1669, OR 558, 1481, IBUG.

*R. foetens* Pers.; BE, BPE, T, M, V, LGD 3266, 4308, OR 89, 916, 1484, IBUG.

***\*\*R. lepida*** Fr.; BE, BPE, T, M, C, IA 312, KVI 3, OR 118, 485, IBUG.

*R. nigricans* Fr.; BPE, T, M, C, OR 306, 527, IBUG.

*R. olivacea* Pers.; BE, T, M, C, OR 82, 113, OV 61, IBUG.

*R. pectinatoides* Peck; BE, T, M, OR 3711, IBUG.

**Stereaceae**

*Stereum complicatum* (Fr.) Fr.; BE, BPE, L, D, FG 31, MG 86, MH 1421, MRSJ 549, OR 273, IBUG.

*S. gausapatum* (Fr.) Fr.; BE, BPE, L, D, LGD 9832, MG 81, 319, OR 554, SDi 96, IBUG.

*S. hirsutum* (Willd.) Pers.; BE, BPE, L, D, Me, GV 4, MG 95, 337, MLF 934, OL 20, IBUG.

*S. ochraceoflavum* (Schwein.) Sacc.; BE, BPE, L, D, BGR 6, MG 107, OAMG 15, RC 11, RISC 20, IBUG.

*S. ostrea* (Blume & T. Nees) Fr.; BE, BPE, L, D, ADF 18, CG 11, DPL 19, MH 1414, OR 488, IBUG.

*Xylobolus subpileatus* (Berk. & M.A. Curtis) Boidin; BE, BPE, L, D, LGD 3223, MG 151, 165, 326, IBUG.

**Sebacinales**

**Sebacinaceae**

***\*\*Helvellosebacina concrescens*** (Schwein.) Oberw., Garnica & K. Riess; BPE, L, D, KLGE 21, LGD 10470, 11158, IBUG.

**Thelephorales**

**Bankeraceae**

*Bankera violascens* (Alb. & Schwein.) Pouzar; BPE, T, OR 516, IBUG.

***\*\*Boletopsis subsquamosa*** (L.) Kotl. & Pouzar; BPE, T, M, C, MG 305, IBUG.

*Hydnellum aurantiacum* (Batsch) P. Karst.; BPE, T, M, EMML 20, GVZ 34, IVF 21, MG 296, NMG 11, IBUG.

*H. auratile* (Britzelm.) Maas Geest.; BE, BPE, T, M,CGV 12, IGRS 9, IVF 15, MG 302, SDi 121, IBUG.

***\*H. caeruleum*** (Hornem.) P. Karst.; BPE, T, M, PC 5, RAAC 1, IBUG.

*H. scrobiculatum* (Fr.) P. Karst.; BE, T, M, MG 262, IBUG.

*Phellodon confluens* (Pers.) Pouzar; BPE, T, MG 306, IBUG.

*P. melaleucus* (Sw. ex Fr.) P. Karst.; BE, BPE, T, MG 239, 355, MRC 7, ORC 4, IBUG.

*P. niger* (Fr.) P. Karst.; BPE, T, CV 8, OR 459-A, RP 14, SSG 11, SV 13, IBUG.

*Sarcodon imbricatus* (L.) P. Karst.; BE, BPE, T, M, C, BABR 10, EDMD 23, MG 292, MRSJ 1195, OR 585, IBUG.

**Peniophoraceae**

***\*\*Peniophora albobadia*** (Schwein.) Boidin; BPE, L, D, CS 10, IBUG.

**Thelephoraceae**

***\*\*Thelephora regularis*** Schwein.; BE, BPE, T, MG 229, OR 231, IBUG.

*T. regularis var. multipartita* (Schwein.) Corner; BPE, T, MG 299, IBUG.

*T. regularis var. regularis* Schwein.; BE, T, OR 231, IBUG.

*T. terrestris* Ehrh.; BPE, T, M, LR 22, IBUG.

**DACRYMYCETES**

**Dacrymycetales**

**Dacrymycetaceae**

*Calocera viscosa* (Pers.) Fr.; BE, L, D, ALZR 14, OR 67, IBUG.

*Dacrymyces chrysospermus* Berk. & M.A. Curtis; BE, BPE, L, D, LGD 8516, MPV 8, IBUG.

***\*\*D. dictyosporus*** G.W. Martin; BPE, L, D, CCC SN, IJFG 30, LAMR 8, OR 3785, IBUG.

*Dacryopinax spathularia* (Schwein.) G.W. Martin; BE, BPE, L, D, BAAO 444, MH 1424, OR 502, PC 7, VIM 18, IBUG.

**PUCCINIOMYCETES**

**Pucciniales**

**Coleosporiaceae**

***\*\*Coleosporium ipomoeae*** (Schwein.) Burrill; BPE, P, CGP 10, XAL.

**Tremellomycetes**

**Tremellales**

**Tremellaceae**

*Tremella lutescens* Pers.; BE, BPE, L, D, ECE 6, KDGC 13, MG 236, NYCG 14, OR 112, IBUG.

***\*\*T. mesenterica*** Retz.; BPE, L, D, Me, MAGA 8, IBUG.

**USTILAGINOMYCETES**

**Ustilaginales**

**Ustilaginaceae**

***\*\*Ustilago maydis*** (DC.) Corda; BE, Fi, C, Me, MHH 135, IBUG.

**PROTOZOA**

**AMOEBOZOA**

**MYXOGASTREA**

**Liceida**

**Tubiferaceae**

*Tubifera microsperma* (Berk. & M.A. Curtis) G.W. Martin; BPE, L, MB SN, IBUG.

**Physarida**

**Didymiaceae**

*Didymium squamulosum* (Alb. & Schwein.) Fr. & Palmquist; BE, L, LGD 2525, IBUG.

**Physaraceae**

*Craterium leucocephalum* (Pers. ex J.F. Gmel.) Ditmar; BPE, L, FJT 643, IBUG.

**Trichiida**

**Trichiaceae**

***\*\*Hemitrichia serpula*** (Scop.) Rostaf.; BPE, L, JDSR 13, IBUG.

*Metatrichia vesparium* (Batsch) Nann.-Bremek.; BPE, L, MB SN, IBUG.

*Trichia lutescens* (Lister) Lister; BPE, L, MB SN, IBUG.

**Protostelea**

**Protostelida**

**Ceratiomyxaceae**

*Ceratiomyxa fruticulosa* (O.F. Müll.) T. Macbr.; BPE, L, FJT 646, MB SN, IBUG.