

Table 1: Fungi, yeasts, and slime molds reported from caves worldwide. Where required the fungal nomenclature has been modified from the original study to reflect current taxonomy as listed in Mycobank (<http://www.mycobank.org/>). Taxa with illegitimate names were matched with legitimate names where possible. When matches were unclear the record was excluded. The accuracy of identifications cannot be verified, particularly for older references. The presence of taxa in a location is indicated by the substrate they were reported on: S=sediment/soil, H=water, C=cave wall, W=wood, E=earthworm casts, A=cave air, G=guano, D=dung, frass (not bat), I=insects, O=other, U=unreported, B=live bat fur/skin, BD=dead bat fur/skin, BI=bat internal tissue, BB=bat bones. Letters in bold indicate the taxa were commonly found on that substrate. The final column indicates the number of locations the taxa was reported from, with the number of locations each genus was reported from in brackets.

Table 1 has been condensed: the expanded version with all 60 locations is available separately. A 'location' is a country with two exceptions: Canada has been divided into eastern and western halves, and the United States has been divided into 4 quadrants, although no studies could be found for the northwest quadrant. An 'M' beside the location name indicates that some taxa were reported from mines.

Eastern Canada: Ontario: (Ammirati et al., 1979); New Brunswick: (Vanderwolf et al., 2013)

Western Canada: British Columbia: (Griffiths, 1979); Alberta: (Tsuneda et al., 2011)

Northeastern USA: Lorch et al., 2012; New York: (Landolt et al., 2006; Hicks et al., 2007; Veileux, 2008; Chaturvedi et al., 2010; Courtin et al., 2010; Lindner et al., 2011); Virginia: (Packard, 1887; Dickson & Kirk, 1976; Balazuc, 1996; Lindner et al., 2011); West Virginia: (Raper & Fennell, 1965; Balazuc, 1970; Landolt et al., 1992; Rutherford & Huang, 1994; Balazuc, 1996; Landolt et al., 2006; Lindner et al., 2011); Kentucky/Tennessee: (Shapiro & Pringle, 2010); Kentucky: (Packard, 1887; Thaxter, 1895; Call, 1897; Maheu, 1926; Bailey et al., 1933; Brashear et al., 1967; Balazuc, 1996; Benoit et al., 2004; Yoder et al., 2009; Lindner et al., 2011); Tennessee: (Landolt et al., 2006); Michigan: (Erbisch & Harry, 1979; Volz & Yao, 1991); Missouri: (Landolt et al., 2006; Rimer & Briggler, 2010); Indiana: (Hasselbring et al., 1975; Landolt et al., 2006; Lindner et al., 2011); Connecticut, Massachusetts, New Hampshire, Pennsylvania, Vermont, Minnesota, Wisconsin: (Lindner et al., 2011)

Southeastern USA: Alabama: (Landolt et al., 2006); South Carolina: (Reeves, 2001); Georgia: (Reeves et al., 2000); Arkansas: (Waddell, 1982; Landolt et al., 2006; Stephenson et al., 2007); Mississippi: (Lindner et al., 2011)

Southwestern USA: Nevada: (Went, 1969); Texas: (McMurray & Russell, 1982; Kuehn & Koehn, 1991); Oklahoma: (Landolt et al., 2006); Arizona: (Vaughan et al., 2011); New Mexico: (Kajihiro, 1965; Northup et al., 1994; Cunningham et al., 1995; Frisvad & Samson, 2004)

Mexico: (Wolf, 1938; Gonzales-Ochoa, 1960; Balazuc, 1996; Gonzalez et al., 2000; Ulloa et al., 2006)

Bahamas: (Orpurt, 1964; Landolt & Stihler, 1998; Landolt et al., 2006)

Cuba: (Balazuc, 1996)

Puerto Rico: (Betancourt et al., 1988; Carvajal-Zamora & Nieves-Rivera, 1998; Nieves-Rivera, 2003 & unpublished data; Landolt et al., 2006; Nieves-Rivera et al., 2009)

Panama: (Taylor et al., 1962)

Guadeloupe: (Balazuc, 1996)

Trinidad: (Balazuc, 1996)

Brazil: (Casirillon et al., 1976; Pedro & Bononi, 2007; McCarthy et al., 2011; Resende Stoianoff, 2012)

Venezuela: (Montemayor et al., 1958; Ajello et al., 1960a; Balazuc 1996; Dlauchy et al., 2011)

Columbia: (Grose & Marinkelle, 1966; Grose & Marinkelle, 1968)

Argentina: (Villegas et al., 2008)

Great Britain: (Ellis, 1929; Mason, 1931; Douglas, 1938; Walton, 1944; Petch, 1948; Bird, 1949; Findlay, 1950; Newrick, 1957; Mason-Williams, 1962; Mason-Williams, 1965; Wright, 1965; Mason-Williams & Holland, 1967; Cubbon, 1969; Cubbon, 1970; Cubbon, 1976; Taylor & Beck, 1976; Henderson & Stewart, 1987)

Ireland: (Rooney et al., 2010)

Sweden: (Hulden, 1985)

Spain: (Lagarde, 1913; Lagarde, 1917; Lagarde, 1922; Balazuc, 1970; Galiana et al., 1972; Somavilla et al., 1978; Balazuc, 1996; Gamboa et al., 1996; Santamaria & Faille, 2007; Jurado et al., 2009; Stomeo et al., 2009a; Stomeo et al., 2009b; Docampo et al., 2010; Jurado et al., 2010b; Urzi et al., 2010; Docampo et al., 2011; Fernandez-Cortes et al., 2011; Porca et al., 2011; Novakova et al., 2012)

Italy: (Pilat, 1936; Barbacovi, 1954; Bernasconi, 1961; Graniti, 1962; Mosca & Campanino, 1962; Martini, 1963; Marletto, 1966; Balazuc, 1970; Peano, 1970; Balazuc, 1973; Pacioni, 1978; Rossi, 1978a; Pacioni, 1980; Pitzalis et al., 1991; Balazuc, 1996; Ciccione & Campadelli, 1998; Fiorina et al., 2000; Vaughan-Martini et al., 2000; Matocec, 2001; Montagna et al., 2003; Daghino et al., 2008; Voyron et al., 2011; Doveri et al., 2012)

France: (Lagarde, 1913; Lagarde, 1917; Lagarde, 1922; Pilat, 1936; Banhegyi, 1960; Bernasconi, 1961; Caumartin, 1963; Boyer-Lefevre, 1965, 1966; Balazuc, 1970; Balazuc, 1973; Seigle-Murandi et al., 1977; Pacioni, 1980; Hulden, 1985; Balazuc, 1996; Larcher et al., 2003; Beguin et al., 2005; Dupont et al., 2007; Santamaria & Faille, 2007; Bastian et al., 2009a; Bastian et al., 2010; Porca et al., 2011; Martin-Sanchez et al., 2012a; Martin-Sanchez et al., 2012b; Martin-Sanchez et al., 2012c)

Switzerland: (Bernasconi, 1961)

Belgium: (Hennebert, 1960; Bernasconi, 1961; Pacioni, 1980; Malloch & Hubart, 1987; Malloch & Kahn, 1988; Dr. D. Malloch unpublished data)

Netherlands: (Rombach & Samson, 1983; Samson et al., 1984)

Germany: (Pilat, 1936; Imbach, 1951; Dobat, 1966a&b, 1970; Weber et al., 1994; Beckmann et al., 2011)

Poland: (Nespiak, 1970; Cieplik & Zyska, 1988; Zyska, 2001; Chlebicki et al., 2005; Chlebicki & Lorenc, 2006; Chlebicki, 2008)

Austria: (Lagarde, 1922; Pilat, 1936; Banhegyi, 1960; Lohwag, 1961; Singer & Passauer, 1980)

Slovenia: (Saric-Sabados, 1957; Banhegyi, 1960; Stadelmann & Poelt, 1962; Balazuc, 1970; Balazuc, 1996; Gunde-Cimerman et al., 1996; Zalar et al., 1997; Gunde-Cimerman et al., 1998; Mulec et al., 2002; Tkavc, 2007; Mulec et al., 2012)

Slovakia: (Pokorny et al., 2005; Sustr et al., 2005; Rossi & Maca 2006; Novakova, 2009a&b; Novakova & Kolarik, 2010; Simonovicova et al., 2011; Novakova et al., 2012)

Hungary: (Gebhardt, 1932; Zeller, 1962, 1966, 1968a&b, 1970; Stadelmann & Poelt, 1962; Balazuc, 1973)

Croatia: (Saric-Sabados, 1957; Banhegyi, 1960; Stadelmann & Poelt, 1962; Matocec, 2001; Matocec & Ozimec, 2001)

Bosnia: (Saric-Sabados, 1957; Banhegyi, 1960; Stadelmann & Poelt, 1962)

Czech Republic: (Pilát, 1933; Pilát, 1936; Stadelmann & Poelt, 1962; Prihoda, 1965; Fassatiova, 1970; Fassatiova & Hartmannova, 1972; Fassatiova et al., 1974; Kuthan, 1977; Marvanova et al., 1992; Sram et al., 1993; Bosák et al., 2001; Kubatova & Dvorak, 2005; Novakova & Kolarik, 2010)

Ukraine: (Kurdish et al., 1998)

Romania: (Prihoda, 1965; Georgescu & Tutunaru, 1966; Evolceanu & Alteras, 1967; Ioachimescu, 1972; Ionita, 1972; Balazuc, 1973; Ioachimescu, 1973; Ioachimescu-Dinulescu, 1978; Balazuc, 1996; Gherman et al., 2007; Novakova and Kolarik, 2010)

Turkey: (Balazuc, 1996)

Bulgaria: (Balabanoff, 1967; Balazuc, 1970; Balazuc, 1996)

Albania: (Balazuc, 1996)

Greece: (Marselou-Kinti, 1980)

Russia: (Lisina-Kulik, 1968; Lisina-Kulik, 1969; Khizhnyak et al., 2003; Semikolennykh et al., 2004; Kuzmina et al., 2012)

Kazakhstan: (Kanatchinova et al., 1981)

Armenia: (Lebedeva, 1982)

Israel: (Ajello et al., 1977; Grishkan et al., 2004)

India: (Venkateshwarlu & Reddy, 1997; Koilraj et al., 1999; Gupta et al., 2007; Saluja & Prasad, 2007)

China: (Xiao et al., 2008; Xiao et al., 2009; Wang et al., 2010; Chai et al., 2011; Wang et al., 2011)

Taiwan: (Hsu & Agoramoorthy, 2001)

Japan: (Balazuc, 1996; Nagai et al., 1998; Sugita et al., 2005)

Korea: (Namkung, 1977; Min, 1988)

Thailand: (Bouree et al., 1990)

Malaysia: (Wycherley, 1967)

Indonesia: (Bouree et al., 1990)

New Guinea: (Rossi, 1978b; Balazuc, 1996)

New Zealand: (Samson & Soares, 1984)

Australia: (Osborne & Thrower, 1966; Adetutu et al., 2011)

Algeria: (Lagarde, 1913; Balazuc, 1970; Balazuc, 1996)

Morocco: (Balazuc, 1970; Balazuc, 1996)

Nigeria: (Gugnani et al., 1994; Muotoe-Okafor & Gugnani, 1997)

Tanzania: (Ajello et al., 1960b)

South Africa: (Lurie, 1932; Lurie & Borok, 1955; Lurie & Way, 1957; Pohl et al., 2007; Williams & Cloete, 2008)