

Supplementary Table S1. Accurate scientific names of plant pathogenic fungi and secondary barcodes.

Below is a list of the most important plant pathogenic fungi including Oomycetes with their accurate scientific names and synonyms. These scientific names include the results of the change to one scientific name for fungi. For additional information including plant hosts and localities worldwide as well as references consult the USDA-ARS U.S. National Fungus Collections (<http://nt.ars-grin.gov/fungalatabases/>). Secondary barcodes, where available, are listed in superscript between round parentheses after generic names. The secondary barcodes listed here do not represent all known available loci for a given genus. Always consult recent literature for which primers and loci are required to resolve your species of interest. Also keep in mind that not all barcodes are available for all species of a genus and that not all species/genera listed below are known from sequence data.

GENERA AND SECONDARY BARCODES ¹	SPECIES NAME AND SYNONYMYS	DISEASE
Kingdom <i>Fungi</i>		
<i>Ascomycota</i>		
<i>Dothideomycetes</i>		
<i>Asterinales</i>		
<i>Asterinaceae</i>		
<i>Thyrynula</i> ^(CHS-1, TEF1, TUB2)	<i>Thyrynula eucalypti</i> (Cooke & Masee) H.J. Swart 1988 <i>Leptostromella eucalypti</i> Cooke & Masee 1891 <i>Thyrynula eucalyptina</i> Petr. & Syd. 1924 <i>Lembosiopsis eucalyptina</i> Petr. & Syd. 1924 <i>Aulographum eucalypti</i> Cooke & Masee 1889 <i>Aulographina eucalypti</i> (Cooke & Masee) Arx & E. Müll. 1960 <i>Lembosiopsis australiensis</i> Hansf. 1954	Target spot or corky spot of <i>Eucalyptus</i> Target spot or corky spot of <i>Eucalyptus</i>
<i>Botryosphaeriales</i>		
<i>Botryosphaeriaceae</i>		
<i>Botryosphaeria</i> ^(TEF1, TUB2)	<i>Botryosphaeria dothidea</i> (Moug.) Ces. & De Not. 1863 <i>Sphaeria dothidea</i> Moug. 1823 <i>Fusicoccum aesculi</i> Corda 1829 <i>Phyllosticta divergens</i> Sacc. 1891 <i>Sphaeria coronillae</i> Desm. 1840 <i>Dothiorella coronillae</i> (Desm.) Petr. 1963 <i>Botryosphaeria berengeriana</i> De Not. 1863 [1864] <i>Physalospora suberumpens</i> Ellis & Everh. 1897 <i>Botryosphaeria zae</i> (G.L. Stout) Arx & E. Müll. 1954 <i>Physalospora zae</i> G.L. Stout 1930	Canker, stem blight, dieback, fruit rot on diverse hosts

<i>Diplodia</i> ^(TEF1, TUB2) <i>Botryodiplodia</i>	<p><i>Macrophoma zae</i> Tehon & E.Y. Daniels 1927</p> <p><i>Diplodia mutila</i> (Fr.) Mont. 1834</p> <p><i>Sphaeria mutila</i> Fr. 1823</p> <p><i>Physalospora mutila</i> (Fr.) N. Stevens 1936</p> <p><i>Diplodia pittospori</i> Cooke & Harkn. 1884</p> <p><i>Botryosphaeria stevensii</i> Shoemaker 1964</p>	Dieback and canker of oak
	<p><i>Diplodia sapinea</i> (Fr.) Fuckel 1870</p> <p><i>Sphaeria sapinea</i> Fr. 1823</p> <p><i>Macrophoma sapinea</i> (Fr.) Petr. 1962 [1961]</p> <p><i>Sphaeropsis sapinea</i> (Fr.) Dyko & B. Sutton 1980</p> <p><i>Sphaeria pinea</i> Desm. 1842</p> <p><i>Diplodia pinea</i> (Desm.) J. Kickx fil. 1867</p> <p><i>Macrophoma pinea</i> (Desm.) Syd. & Petr. 1926</p>	Sphaeropsis tip blight, diplodia tip blight
	<p><i>Diplodia tumefaciens</i> (Shear) Zalasky 1964</p> <p><i>Macrophoma tumefaciens</i> Shear 1915</p> <p><i>Sphaeria emergens</i> P. Karst. 1873</p> <p><i>Keissleriella emergens</i> (P. Karst.) S.K. Bose 1961</p>	Diplodia gall of aspen, cottonwood
<i>Dothiorella</i> ^(TEF1, TUB2)	<p><i>Dothiorella sarmentorum</i> (Fr.) A.J.L. Phillips et al. 2005</p> <p><i>Sphaeria sarmentorum</i> Fr. 1818</p> <p><i>Diplodia sarmentorum</i> (Fr.) Fr. 1849</p> <p><i>Diplodia pruni</i> Fuckel 1870 [1869]</p> <p><i>Botryosphaeria sarmentorum</i> A.J.L. Phillips et al. 2005</p>	Canker diseases of woody plants
<i>Lasiodiplodia</i> ^(TEF1, TUB2)	<p><i>Lasiodiplodia theobromae</i> (Pat.) Griffon & Maubl. 1909</p> <p><i>Botryodiplodia theobromae</i> Pat. 1892</p> <p><i>Diplodia theobromae</i> (Pat.) W. Nowell 1923</p> <p><i>Diplodia ananassae</i> Sacc. 1917</p> <p><i>Botryodiplodia ananassae</i> (Sacc.) Petr. 1929</p> <p><i>Diplodia arachidis</i> Petch 1906</p> <p><i>Diplodia cacaoicola</i> Henn. 1895</p> <p><i>Diplodia corchori</i> Syd. & P. Syd. 1916</p> <p><i>Botryodiplodia elasticae</i> Petch 1906</p> <p><i>Sphaeria glandicola</i> Schwein. 1832</p> <p><i>Physalospora glandicola</i> (Schwein.) N.E. Stevens 1933</p> <p><i>Botryodiplodia gossypii</i> Ellis & Barthol. 1902</p> <p><i>Diplodia gossypina</i> Cooke 1879</p> <p><i>Physalospora gossypina</i> N.E. Stevens 1925</p> <p><i>Chaetodiplodia grisea</i> Petch 1906</p> <p><i>Diplodia manihoti</i> Sacc. 1914</p> <p><i>Botryodiplodia manihoti</i> (Sacc.) Petr. 1924</p> <p><i>Botryodiplodia manihotica</i> Petr. 1926</p>	Cankers, dieback, and several other diseases. Also, a human pathogen

	<i>Botryodiplodia manihotis</i> Syd. & P. Syd. 1916	
	<i>Diplodia musae</i> Died. 1916	
	<i>Diplodia natalensis</i> Pole-Evans 1911	
	<i>Lasiodiplodia nigra</i> Appel & Laubert 1907	
	<i>Diplodia rapax</i> Masee 1910	
	<i>Physalospora rhodina</i> Berk. & M.A. Curtis 1889	
	<i>Botryosphaeria rhodina</i> (Berk. & M.A. Curtis) Arx 1970	
	<i>Lasiodiplodia triflorae</i> B.B. Higgins 1916	
	<i>Lasiodiplodia tubericola</i> Ellis & Everh. 1896	
	<i>Diplodia tubericola</i> (Ellis & Everh.) Taubenh. 1915	
	<i>Botryodiplodia tubericola</i> (Ellis & Everh.) Petr. 1923	
	<i>Macrophoma vestita</i> Prill. & Delacr. 1894	
<i>Macrophomina</i> ^(ACT, cmdA, TEF1, TUB2)	<i>Macrophomina phaseolina</i> (Tassi) Goid. 1947	Root rot, charcoal rot of various hosts
	<i>Macrophoma phaseolina</i> Tassi 1901	
	<i>Tiarosporella phaseolina</i> (Tassi) Aa 1981	
	<i>Sclerotium bataticola</i> Taubenh. 1913	
	<i>Rhizoctonia bataticola</i> (Taubenh.) E.J. Butler 1925	
	<i>Macrophoma corchori</i> Sawada 1916	
	<i>Rhizoctonia lamellifera</i> W. Small 1924	
	<i>Macrophoma phaseoli</i> Maubl. 1905	
	<i>Dothiorella phaseoli</i> (Maubl.) Petr. & Syd. 1927	
	<i>Macrophomina phaseoli</i> (Maubl.) S.F. Ashby 1927	
	<i>Botryodiplodia phaseoli</i> (Maubl.) Thirum. 1953	
	<i>Tiarosporella phaseoli</i> (Maubl.) Aa 1977	
	<i>Macrophomina philippinensis</i> Petr. 1923	
	<i>Macrophoma sesami</i> Sawada 1922	
	<i>Macrophomina pseudophaseolina</i> Crous et al. 2014	Root rot, charcoal rot of various hosts
<i>Melanops</i> ^(TEF1, TUB2)	<i>Melanops tulasnei</i> Fuckel 1870	Canker on <i>Quercus</i>
	<i>Dothidea melanops</i> Tul. & C. Tul. 1856	
	<i>Botryosphaeria melanops</i> (Tul. & C. Tul.) G. Winter 1887	
	<i>Dothiorella advena</i> Sacc. 1882	
	<i>Fusicoccum advenum</i> (Sacc.) Died. 1915 [1912]	
	<i>Dothiorella meliae</i> Traverso 1906	
	<i>Fusicoccum testudo</i> Höhn. 1903	
<i>Neofusicoccum</i> ^(RPB2, TEF1, TUB2)	<i>Neofusicoccum mangiferae</i> (Syd. & P. Syd.) Crous et al. 2006	Foliage, fruit spots/blights, citrus black spot, black rot of grapevine
	<i>Dothiorella mangiferae</i> Syd. & P. Syd. 1916	
	<i>Natrassia mangiferae</i> (Syd. & P. Syd.) B. Sutton & Dyko 1989	
	<i>Fusicoccum mangiferum</i> (Syd. & P. Syd.) Johnson et al. 2005	
	<i>Hendersonula cypria</i> Natrass 1937	
	<i>Neofusicoccum parvum</i> (Pennycook & Samuels) Crous et al. 2006	Dieback, canker, fruit rot

	<i>Fusicoccum parvum</i> Pennycook & Samuels 1985	
	<i>Botryosphaeria parva</i> Pennycook & Samuels 1985	
	<i>Neofusicoccum ribis</i> (Slippers et al.) Crous et al. 2006	Dieback, canker, fruit rot
	<i>Fusicoccum ribis</i> Slippers et al. 2004	
	<i>Botryosphaeria ribis</i> Grossenb. & Duggar 1911	
<i>Neoscytalidium</i>	<i>Neoscytalidium dimidiatum</i> (Penz.) Crous & Slippers 2006	Gummosis, dieback, branch wilt, decline, leaf spot, tip rot, canker. Also on human nails and skin
	<i>Torula dimidiata</i> Penz. 1882	
	<i>Fusicoccum dimidiatum</i> (Penz.) D.F. Farr 2005	
	<i>Scytalidium dimidiatum</i> (Penz.) B. Sutton & Dyko 1989	
	<i>Exosporina fawcettii</i> E.E. Wilson 1947	
	<i>Scytalidium hyalinum</i> C.K. Campb. & J.L. Mulder 1977	
	<i>Neoscytalidium hyalinum</i> (C.K. Campb. & J.L. Mulder) A.J.L. Phillips et al. 2013	
	<i>Hendersonula toruloidea</i> Nattrass 1933	
<i>Phyllosticta</i> ^(ACT, GAPDH, TEF1)	<i>Phyllosticta ampelicida</i> (Engelm.) Aa 1973	Black spot of grapevine
<i>Guignardia</i>	<i>Naemospora ampelicida</i> Engelm. 1861	
	<i>Phyllosticta ampelopsidis</i> Ellis & G. Martin 1886	
	<i>Sphaeria bidwellii</i> Ellis 1880	
	<i>Guignardia bidwellii</i> f. <i>muscadinii</i> Luttr. 1946	
	<i>Guignardia bidwellii</i> f. <i>parthenocissi</i> Luttr. 1946	
	<i>Guignardia bidwellii</i> (Ellis) Viala & Ravaz 1892	
	<i>Botryosphaeria bidwellii</i> (Ellis) Petr. 1958 [1957]	
	<i>Physalospora bidwellii</i> (Ellis) Sacc. 1882	
	<i>Laestadia bidwellii</i> (Ellis) Viala & Ravaz 1888	
	<i>Carlia bidwellii</i> (Ellis) Prunet 1898	
	<i>Guignardia bidwellii</i> var. <i>euvitis</i> Luttr. 1946	
	<i>Phyllostictina clemensae</i> Petr. 1928	
	<i>Depazea labruscae</i> Engelm. 1877	
	<i>Phyllosticta labruscae</i> Thüm. 1878	
	<i>Phyllosticta labruscae</i> f. <i>labruscae</i> Thüm. 1878	
	<i>Phoma ustulata</i> Berk. & M.A. Curtis 1873	
	<i>Phoma uvicola</i> var. <i>labruscae</i> Thüm. 1878	
	<i>Phyllosticta vitea</i> Sacc. 1896	
	<i>Phyllostictina viticola</i> Petr. 1940	
	<i>Phyllosticta citricarpa</i> (McAlpine) Aa 1973	Citrus black spot
	<i>Phoma citricarpa</i> McAlpine 1899	
	<i>Phyllostictina citricarpa</i> (McAlpine) Petr. 1953	
	<i>Phyllosticta circumsepta</i> Sacc. 1914	
	<i>Guignardia citricarpa</i> Kiely 1948	
	<i>Phyllosticta maculata</i> M.H. Wong & Crous 2012	Leaf spot, fruit spot, banana freckle disease; banana black spot disease
	<i>Guignardia musae</i> Racib. 1909	

<i>Stenocarpella</i> ^(TEF1)	<i>Phomatospora musae</i> J.M. Yen 1973 [1972] <i>Stenocarpella macrospora</i> (Earle) B. Sutton 1977 <i>Diplodia macrospora</i> Earle 1897 <i>Macrodiplodia macrospora</i> (Earle) Höhn. 1918 <i>Macrodiplodia zae</i> var. <i>macrospora</i> (Earle) Petr. & Syd. 1923 <i>Stenocarpella zae</i> Syd. & P. Syd. 1917	Dry rot, leaf lesions of maize
	<i>Stenocarpella maydis</i> (Berk.) B. Sutton 1980 <i>Sphaeria maydis</i> Berk. 1847 <i>Diplodia maydis</i> (Berk.) Sacc. 1884 <i>Diplodia maydicola</i> Speg. 1910 <i>Diplodia zae</i> Lév. 1848 <i>Macrodiplodia zae</i> (Lév.) Petr. & Syd. 1923 <i>Sphaeria zae</i> Schwein. 1832 <i>Hendersonia zae</i> (Lév.) Hazsl. 1872 <i>Phaeostagonosporopsis zae</i> (Lév.) Woron. 1925 <i>Diplodia zae-maydis</i> Mekht. 1962	Stalk rot, white ear rot, and seedling blight of maize
Capnodiales		
Capnodiaceae		
<i>Capnodium</i> ^(RPB2, TEF1)	<i>Capnodium salicinum</i> Mont. 1849 <i>Polychaeton salicinum</i> (Mont.) Kuntze 1891 <i>Fumagospora capnodioides</i> G. Arnaud 1911	Sooty mould
Cladosporiales		
Cladosporiaceae		
<i>Cladosporium</i> ^(ACT, TEF1, TUB2)	<i>Cladosporium allii-cepae</i> (Ranoj.) M.B. Ellis 1976 <i>Heterosporium allii-cepae</i> Ranoj. 1910 <i>Mycosphaerella allii-cepae</i> M.M. Jord. et al. 1986 <i>Davidiella allii-cepae</i> (M.M. Jord. et al.) Crous & U. Braun 2003	Leaf blotch of onion
<i>Davidiella</i>	<i>Cladosporium cladosporioides</i> (Fresen.) G.A. De Vries 1952 <i>Penicillium cladosporioides</i> Fresen. 1850 <i>Hormodendrum cladosporioides</i> (Fresen.) Sacc. 1880 <i>Monilia humicola</i> Oudem. 1902	Leaf spot and blight, secondary pathogen
	<i>Cladosporium cucumerinum</i> Ellis & Arthur 1889 <i>Scolecotrichum melophthorum</i> Prill. & Delacr. 1891 <i>Macrosporium melophthorum</i> (Prill. & Delacr.) Rostr., Gartn.-Tidende 1893 <i>Cladosporium cucumeris</i> A.B. Frank 1893 <i>Cladosporium scabies</i> Cooke 1903	Cucumber gummosis or scab and crown blight
Coryneliales		
Coryneliaceae		
<i>Caliciopsis</i> ^(TEF1, TUB2)	<i>Caliciopsis pinea</i> Peck 1883 <i>Caliciopsis stenocyboides</i> (Nyl.) Rehm	Canker of pine

<i>Hypothecha</i>	<i>Hypothecha pleomorpha</i> (Patricia McGee & I. Pascoe) Crous 2019 <i>Caliciopsis pleomorpha</i> Patricia McGee & I. Pascoe 2018	Canker of <i>Eucalyptus</i>
Dothideales		
<i>Dothideaceae</i>		
<i>Aureobasidium</i>	<i>Aureobasidium caulivorum</i> (Kirchn.) W.B. Cooke 1962	Clover leaf scorch
<i>Discosphaerina</i>	<i>Gloeosporium caulivorum</i> Kirchn. 1902	
<i>Dothidea</i>	<i>Exobasidiopsis caulivora</i> (Kirchn.) Karak. 1922	
<i>Kabatiella</i>	<i>Kabatiella caulivora</i> (Kirchn.) Karak. 1923	
	<i>Aureobasidium microstictum</i> (Bubák) W.B. Cooke 1962	Daylily leaf streak
	<i>Kabatiella microsticta</i> Bubák 1907	
	<i>Gloeosporium convallariae</i> Allesch. 1895	
	<i>Aureobasidium pullulans</i> (de Bary) G. Arnaud 1918	Leaf spots and blights
	<i>Dematium pullulans</i> de Bary 1866	
	<i>Anthostomella pullulans</i> (de Bary) F.T. Benn. 1928	
	<i>Pullularia pullulans</i> (de Bary) Berkhout 1923	
	<i>Aureobasidium vitis</i> Viala & Boyer 1891	
	<i>Exobasidium vitis</i> (Viala & Boyer) Prill. & Delacr. 1894	
	<i>Aureobasidium zeae</i> (Narita & Hirats.) Dingley 1977	Eyespot of maize
	<i>Kabatiella zeae</i> Narita & Hirats. 1959	
<i>Dothioraceae</i>		
<i>Dothiora</i>	<i>Dothiora taxicola</i> (Peck) M.E. Barr 1972	Foliage & shoot blight of <i>Taxus</i> , canker
	<i>Sphaeria taxicola</i> Peck 1872	
	<i>Heptameria taxicola</i> (Peck) Cooke 1889	
	<i>Leptosphaeria taxicola</i> (Peck) Sacc. 1883	
	<i>Metasphaeria taxicola</i> (Peck) Peck 1889	
	<i>Sacrothecium taxicola</i> (Peck) Kirschst. 1938	
	<i>Sphaerulina taxicola</i> (Peck) Berl. 1894	
	<i>Sydowia taxicola</i> (Peck) M.E. Barr 2001	
<i>Kabatina</i>	<i>Kabatina thujae</i> R. Schneid. & Arx 1966	Foliage blight of cedar
<i>Rhizosphaera</i> ^(TUB2)	<i>Rhizosphaera kalkhoffii</i> Bubák 1914	Needle blight of <i>Pinaceae</i>
	<i>Sclerophoma pini</i> (Desm.) Höhn. 1909	
	<i>Sphaeronaema pini</i> Desm. 1848	
	<i>Rhizosphaera pini</i> (Corda) Maubl. 1907	Needle blight of <i>Pinaceae</i>
	<i>Coniothyrium pini</i> Corda	
	<i>Rhizosphaera abietis</i> L. Mangin & Har. 1907	
<i>Sydowia</i>	<i>Sydowia polyspora</i> (Bref. & Tavel) E. Müll. 1953	Shoot dieback and canker of conifers
<i>Sclerophoma</i>	<i>Dothidea polyspora</i> Bref. & Tavel	
<i>Hormonema</i>	<i>Hariotia polyspora</i> (Bref. & Tavel) Höhn. 1918	
	<i>Pleodothis polyspora</i> (Bref. & Tavel) Clem. 1909	
	<i>Plowrightia polyspora</i> (Bref. & Tavel) Sacc. 1895	

Plowrightiella polyspora (Bref. & Tavel) Trotter 1926
Sphaeropsis acicola Moug. & Lév. 1848
Phoma acicola (Moug. & Lév.) Sacc. 1881
Sphaeronema pythiophilum Corda 1840
Dothichiza pythiophila (Corda) Petr.
Sclerophoma pithyophila (Corda) Höhn. 1909
Pullularia fermentans var. *melinii* E.S. Wynne & Gott 1956

Lahmiales

Lahmiaceae

Lahmia

Parkerella

***Lahmia kunzei* Koerb. 1861**

Parkerella populi A. Funk 1976

Rough bark disease of aspen and poplar, associated with declining hybrid poplar. Northern boreal forests

Mycosphaerellales

Mycosphaerellaceae

Beniowskia

***Beniowskia sphaeroidea* (Kalchbr. & Cooke) E.W. Mason 1928**

Ceratium sphaeroideum Kalchbr. & Cooke 1880
Beniowskia graminis Racib. 1900
Aegerita penniseti Henn. 1904
Beniowskia penniseti Wakef. 1916
Sporotrichum peribebuyense Speg. 1886
Clathrotrichum subcarneum Pat. 1921
Botrytis uredinicola Peck 1909

Leaf spot, blight of grasses

Catenulocercospora^(ACT, cmdA, RPB2, TEF1, TUB2)

***Catenulocercospora fusimaculans* (G.F. Atk.) C. Nakash. et al. 2017**

Cercospora fusimaculans G.F. Atk. 1892
Phaeoramularia fusimaculans (G.F. Atk.) X.J. Liu & Y.L. Guo 1982
Passalora fusimaculans (G.F. Atk.) U. Braun & Crous 2003
Cercospora agrostis G.F. Atk. 1892
Cladosporium brachyelytri H.C. Greene 1964
Cercospora panici Davis 1919
Cercosporina panici (Davis) Sacc. 1931
Cercospora panici-miliacei Sawada 1931

Leaf spot of grasses

Cercospora^(ACT, cmdA, GAPDH, HIS3, RPB2, TEF1, TUB2)

***Cercospora apii* Fresen. 1863**

Cercosporina apii (Fresen.) Miura 1928
Cercospora levistici Kvashnina 1928
Cercospora penicillata var. *apii* Fuckel 1863

Leaf spot on many plant hosts

***Cercospora beticola* Sacc. 1876**

Cercosporina beticola (Sacc.) K. Nakata et al. 1915
Cercospora anthelmintica G.F. Atk. 1892
Cercospora betae Sacc. 1892
Cercospora chenopodiicola Bres. 1900

Leaf spot of *Chenopodiaceae*

	<i>Cercospora longissima</i> Cooke & Ellis 1889	
	<i>Cercospora spinaciae</i> Oudem. 1900	
	<i>Cercospora brassicicola</i> Henn. 1905	Leaf spot of <i>Brassicaceae</i>
	<i>Cercospora brassicae-campestris</i> Rangel 1917	
	<i>Cercosporina brassicae-campestris</i> (Rangel) Sacc. 1931	
	<i>Cercospora gerberae</i> Chupp & Viégas 1945	Leaf spot of African daisy
	<i>Cercospora janseana</i> (Racib.) Constant. 1982	Narrow brown leaf spot of rice
	<i>Napicladium janseanum</i> Racib. 1900	
	<i>Passalora janseana</i> (Racib.) U. Braun 2000	
	<i>Cercospora oryzae</i> I. Miyake 1910	
	<i>Sphaerulina oryzina</i> Hara 1918	
	<i>Cercospora kikuchii</i> (T. Matsumoto & Tomoy.) M.W. Gardner 1927 [1926]	Cercospora leaf blight and purple seed stain of soybean
	<i>Cercosporina kikuchii</i> T. Matsumoto & Tomoy. 1925	
	<i>Mycosphaerella phaseoli</i> Chona & Munjal 1956	
	<i>Cercospora sorghi</i> Ellis & Everh. 1887	Leaf spot of sorghum
	<i>Cercospora zae-maydis</i> Tehon & E.Y. Daniels 1925	Gray leaf spot of corn
	<i>Cercospora zeina</i> Crous & U. Braun 2006	Gray leaf spot of corn
	<i>Dothistroma pini</i> Hulbary 1941	Red band needle blight
<i>Dothistroma</i> ^(ACT, RPB2, TEF1, TUB2)		
<i>Scirrhia</i>		
	<i>Dothistroma septosporum</i> (Dorog.) M. Morelet 1968	Red band needle blight
	<i>Cytosporina septospora</i> Dorog. 1911	
	<i>Mycosphaerella pini</i> Rostr. 1957	
	<i>Scirrhia pini</i> A. Funk & A.K. Parker	
<i>Fulvia</i> ^(ACT, RPB2, TUB2)	<i>Fulvia fulva</i> (Cooke) Cif. 1954	Leaf mold of tomato
	<i>Passalora fulva</i> (Cooke) U. Braun & Crous 2003	
	<i>Cladosporium fulvum</i> Cooke 1883	
	<i>Mycovellosiella fulva</i> (Cooke) Arx 1983	
<i>Lecanosticta</i> ^(ACT, cmdA, RPB2, TEF1, TUB2)	<i>Lecanosticta acicola</i> (Thüm.) Syd. 1924	Brown spot needle blight of pines
	<i>Cryptosporium acicola</i> Thüm. 1878	
	<i>Septoria acicola</i> (Thüm.) Sacc. 1884	
	<i>Dothistroma acicola</i> (Thüm.) Schischkina & Tsanova 1967	
	<i>Oligostroma acicola</i> Dearn. 1926	
	<i>Dothidea acicola</i> (Dearn.) M. Morelet 1968	
	<i>Eruptio acicola</i> (Dearn.) M.E. Barr 1996	
	<i>Scirrhia acicola</i> (Dearn.) Sigg. 1939	
	<i>Systemma acicola</i> (Dearn.) F.A. Wolf & Barbour 1941	
	<i>Lecanosticta pini</i> Syd. 1921	
	<i>Mycosphaerella dearnessii</i> M.E. Barr 1972	

<i>Nothophaeocryptopus</i> ^(cmdA, CHS-1, RPB2, TUB2)	<i>Nothophaeocryptopus gaeumannii</i> (T. Rohde) Videira et al. 2017 <i>Adelopus gaeumannii</i> T. Rohde 1936 <i>Phaeocryptopus gaeumannii</i> (T. Rohde) Petr. 1938	Swiss needle cast of douglas fir
<i>Polythrincium</i>	<i>Polythrincium trifolii</i> Kunze 1817 <i>Mycosphaerella killianii</i> Petr. 1941 <i>Dothidella trifolii</i> Bayliss-Elliott & Stansfield 1924 <i>Plowrightia trifolii</i> Kill. 1923 <i>Cymadothea trifolii</i> (Kill.) F.A. Wolf 1935	Sooty blotch of clover
<i>Pseudocercospora</i> ^(ACT, RPB2, TEF1)	<i>Pseudocercospora angolensis</i> (T. Carvalho & O. Mendes) Crous & U. Braun 2003 <i>Cercospora angolensis</i> T. Carvalho & O. Mendes 1953 <i>Phaeoramularia angolensis</i> (T. Carvalho & O. Mendes) P.M. Kirk 1986 <i>Pseudophaeoramularia angolensis</i> (T. Carvalho & O. Mendes) U. Braun 1999	Leaf and fruit spot of <i>Citrus</i> spp.
	<i>Pseudocercospora eumusae</i> Crous & Mour. 2002 <i>Septoria eumusae</i> Carlier et al. 2000 <i>Mycosphaerella eumusae</i> Carlier et al. 2000	Eumusae leaf spot of banana
	<i>Pseudocercospora fijiensis</i> (M. Morelet) Deighton 1976 <i>Cercospora fijiensis</i> M. Morelet 1969 <i>Paracercospora fijiensis</i> (M. Morelet) Deighton 1979 <i>Mycosphaerella fijiensis</i> M. Morelet 1969 <i>Cercospora fijiensis</i> var. <i>difformis</i> J.L. Mulder & R.H. Stover 1976 <i>Paracercospora fijiensis</i> var. <i>difformis</i> (J.L. Mulder & R.H. Stover) Deighton 1979 <i>Mycosphaerella fijiensis</i> var. <i>difformis</i> J.L. Mulder & R.H. Stover 1976	Black sigatoka of banana, black leaf streak
	<i>Pseudocercospora musae</i> (Zimm.) Deighton 1976 <i>Cercospora musae</i> Zimm. 1902 <i>Mycosphaerella musicola</i> J.L. Mulder 1976	Yellow sigatoka of banana
	<i>Pseudocercospora ulei</i> (Henn.) B.T. Hora & Mizubuti 2013 <i>Dothidella ulei</i> Henn. 1904 <i>Melanopsammopsis ulei</i> (Henn.) Stahel 1917 <i>Microcyclus ulei</i> (Henn.) Arx 1962 <i>Fusicladium heveae</i> K. Schub. & U. Braun 2003 <i>Passalora heveae</i> Masee 1913 <i>Aposphaeria ulei</i> Henn. 1904	South American leaf blight of rubber
<i>Septocytia</i>	<i>Septocytia ruborum</i> (Lib.) Petr. 1968 [1967] <i>Ascochyta ruborum</i> Lib. 1834 <i>Rhabdospora ruborum</i> (Lib.) Jorst. 1965 <i>Septoria ramealis</i> Roberge ex Desm. 1851 <i>Septocytia ramealis</i> (Roberge ex Desm.) Petr. 1927 <i>Rhabdospora ramealis</i> (Roberge ex Desm.) Sacc. 1884 <i>Cytosporina ramealis</i> (Roberge ex Desm.) Petr. 1919 <i>Filaspora ramealis</i> (Desm. ex Roberge) Kuntze 1898	Cane blotch of blackberry

	<i>Cytosporina rubi</i> Died. 1914	
	<i>Hemidothis rubi</i> (Died.) Höhn. 1917	
<i>Septoria</i> ^(ACT, cmdA, RPB2, TEF1)	<i>Septoria apiicola</i> Speg. 1887	Leaf spot of celery
	<i>Rhabdospora apiicola</i> (Speg.) Kuntze 1898	
	<i>Septoria apii</i> Chester 1891	
	<i>Septoria apii-graveolentis</i> Dorogin 1915	
	<i>Septoria petroselini</i> var. <i>apii</i> Briosi & Cavara 1891	
<i>Zasmidium</i> ^(ACT, RPB2, TEF1, TUB2)	<i>Zasmidium biverticillatum</i> (Arzanlou & Crous) Videira & Crous 2017	Leaf speckle disease of banana
	<i>Ramichloridium biverticillatum</i> Arzanlou & Crous 2007	
	<i>Ramichloridium musae</i> Stahel 1937, nom. inval., Art. 36.	
	<i>Periconiella musae</i> Stahel ex M.B. Ellis 1967	
	<i>Ramichloridium musae</i> (Stahel ex M.B. Ellis) de Hoog 1977	
	<i>Zasmidium citrigriseum</i> (F.E. Fisher) U. Braun & Crous 2014	Greasy leaf spot of <i>Citrus</i>
	<i>Cercospora citrigrisea</i> F.E. Fisher 1961	
	<i>Stenella citrigrisea</i> (F.E. Fisher) Sivan. 1984	
	? <i>Mycosphaerella citri</i> Whiteside 1972	
	<i>Zasmidium musae</i> (Arzanlou & Crous) Crous & U. Braun 2010	Leaf speckle disease of banana
	<i>Stenella musae</i> Arzanlou & Crous 2008	
	<i>Zasmidium musae-banksii</i> Videira & Crous 2017	Leaf speckle disease of banana
	<i>Ramichloridium australiense</i> Arzanlou & Crous 2007	
	<i>Zasmidium musicola</i> (Arzanlou & Crous) Crous & U. Braun 2010	Leaf speckle disease of banana
	<i>Stenella musicola</i> Arzanlou & Crous 2008	
	<i>Zasmidium musigenum</i> Videira & Crous 2017	Leaf speckle disease of banana
	<i>Veronaea musae</i> Stahel ex M.B. Ellis 1976	
	<i>Chloridium musae</i> Stahel 1937	
	<i>Ramichloridium musae</i> (Stahel ex M.B. Ellis) de Hoog 1977	
<i>Zymoseptoria</i> ^(ACT, cmdA, RPB2, TEF1, TUB2)	<i>Zymoseptoria passerinii</i> (Sacc.) Quaedvlieg & Crous 2011	Speckled leaf blotch of barley
	<i>Septoria passerinii</i> Sacc. 1884	
	<i>Zymoseptoria tritici</i> (Desm.) Quaedvlieg & Crous 2011	Speckled leaf blotch of wheat
	<i>Septoria tritici</i> Desm. 1842	
	<i>Sphaeria graminicola</i> Fuckel 1865	
	<i>Mycosphaerella graminicola</i> (Fuckel) J. Schröt. 1894	
	<i>Sphaerella graminicola</i> (Fuckel) Fuckel 1870	
<i>Schizothyriaceae</i>		
<i>Schizothyrium</i> ^(ACT, cmdA, RPB2, TEF1, TUB2)	<i>Schizothyrium pomi</i> (Mont.) Arx 1959	Sooty blotch and flyspeck
	<i>Labrella pomi</i> Mont. 1834	
	<i>Leptothyrium pomi</i> (Mont.) Sacc. 1880	
	<i>Asterina gaultheriae</i> M.A. Curtis 1885	
	<i>Microthyriella paludosa</i> C. Booth 1958 [1957]	
<i>Teratosphaeriaceae</i>		

Teratosphaeria<sup>(ACT, cmdA,
RPB2, TEF1, TUB2)</sup>

***Teratosphaeria cryptica* (Cooke) Crous & U. Braun, 2007**

Sphaerella cryptica Cooke 1891
Mycosphaerella cryptica (Cooke) Hansf. 1956
Colletogloeum nubilosum Ganap. & Corbin 1979
Colletogloeopsis nubilosum (Ganap. & Corbin) Crous & M.J. Wingf. 1997

Leaf spot of *Eucalyptus* and other
Myrtaceae

***Teratosphaeria molleriana* (Thüm.) Crous & U. Braun 2007**

Sphaerella molleriana Thüm. 1881
Mycosphaerella molleriana (Thüm.) Lindau 1897
Mycosphaerella ambiphylla A. Maxwell 2003
Colletogloeopsis molleriana Crous & M.J. Wingf. 1997
Readeriella molleriana (Crous & M.J. Wingf.) Crous & U. Braun 2007
Kirramyces mollerianus (Crous & M.J. Wingf.) Andjic & M.J. Wingf. 2007
Mycosphaerella vespa Carnegie & Keane 1998
Mycosphaerella ambiphylla A. Maxwell 2003
Teratosphaeria xenocryptica Crous & M.J. Wingf. 2009

Leaf spot of *Eucalyptus* and other
Myrtaceae

***Teratosphaeria nubilosa* (Cooke) Crous & U. Braun 2007**

Sphaerella nubilosa Cooke 1891
Mycosphaerella nubilosa (Cooke) Hansf. 1956
Mycosphaerella juvenis Crous & M.J. Wingf. 1996
Mycosphaerella quasircospora Crous & T.A. Cout. 2006
Teratosphaeria quasircospora (Crous & T.A. Cout.) Crous & U. Braun 2007

Leaf spot of *Eucalyptus* and other
Myrtaceae

Myriangiales

Elsinoaceae

Elsinoe^(RPB2, TEF1)

Sphaceloma

***Elsinoe ampelina* Shear 1929**

Sphaceloma ampelinum de Bary 1874
Gloeosporium ampelophagum (Pass.) Sacc. 1878

Anthracnose, bird's-eye rot of grapes

***Elsinoe australis* Bitanc. & Jenkins 1936**

Sphaceloma australis Bitanc. & Jenk. 1936
Sphaceloma fawcettii var. *viscosa* Jenk. 1933

Sweet orange scab

***Elsinoe fawcettii* Bitanc. & Jenkins 1936**

Sphaceloma fawcettii Jenk. 1925

Sour orange scab, common scab

Pleosporales

Acrocalymma

Acrocalymma

Rhizopycnis

Corynesporaceae

Corynespora^(ACT, TEF1)

***Acrocalymma medicaginis* Alcorn & J.A.G. Irwin 1987**

Massarina walkeri Shoemaker et al. 1991

Acrocalymma root and crown rot of
alfalfa

***Corynespora cassiicola* (Berk. & M.A. Curtis) C.T. Wei 1950**

Helminthosporium cassiicola Berk. & M.A. Curtis 1868
Corynespora mazei Güssow 1906
Cercospora melonis Cooke 1896

Leaf spot disease: wide host range

	<i>Corynespora melonis</i> (Cooke) Sacc. 1913	
	<i>Helminthosporium papayae</i> Syd. 1923	
	<i>Helminthosporium vignae</i> L.S. Olive 1945	
	<i>Cercospora vignicola</i> E. Kawam. 1931	
	<i>Helminthosporium vignicola</i> (E. Kawam.) L.S. Olive 1949	
	<i>Corynespora vignicola</i> (E. Kawam.) Goto 1950	
	<i>Helminthosporium warpuriae</i> Wakef. 1918	
<i>Cucurbitariaceae</i>		
<i>Rhytidiella</i>	<i>Rhytidiella baranyayi</i> Funk & Zalasky 1975	Corky rough bark disease of aspen. Coast of western North America
<i>Didymellaceae</i>		
<i>Ascochyta</i> ^(RPB2, TUB2)	<i>Ascochyta daronici</i> Allesch. 1897	Leaf spot on <i>Asteraceae</i>
	<i>Ascochyta gerberae</i> Maffei 1913	
	<i>Gloeosporium lappae</i> Dearn. & House 1918	
	<i>Ascochyta fabae</i> Speg. 1899	Leaf spot of bean
	<i>Ascochyta pisi</i> var. <i>fabae</i> R. Sprague 1947	
	<i>Didymella fabae</i> G.J. Jellis & Punith. 1991	
	<i>Ascochyta pisi</i> Lib. 1830	Ascochyta blight of pea
	<i>Gloeosporium pisi</i> (Lib.) Oudem. 1876	
	<i>Sphaeria pisicola</i> Berk. 1859	
	<i>Ascochyta pisicola</i> (Berk.) Sacc. 1884	
	<i>Didymella pisi</i> Chilvers et al. 2009	
	<i>Ascochyta rabiei</i> (Pass.) Labr. 1931	Chickpea blight
	<i>Phoma rabiei</i> (Pass.) Khune ex Gruyter 2002	
	<i>Phyllosticta rabiei</i> (Pass.) Trotter 1918	
	<i>Phoma rabiei</i> (Pass.) Khune 1979	
	<i>Phoma rabiei</i> (Pass.) Khune & J.N. Kapoor 1980	
	<i>Didymella rabiei</i> Kovatsch. ex Arx 1962	
	<i>Mycosphaerella rabiei</i> Kovatsch. 1936	
	<i>Phyllosticta cicerina</i> Prill. & Delacr. 1893	
	<i>Ascochyta syringae</i> Bres. 1894	Leaf spot, blight of syringa
<i>Boeremia</i> ^(ACT, cmdA, RPB2, TEF1, TUB2)	<i>Boeremia exigua</i> (Desm.) Aveskamp et al. 2010	Stem and leaf spot
	<i>Phoma exigua</i> var. <i>exigua</i> Desm. 1849	
	<i>Ascochyta phaseolorum</i> Sacc. 1878	
	And many more synonyms.	
<i>Leptosphaerulina</i> ^(RPB2, TEF1, TUB2)	<i>Leptosphaerulina trifolii</i> (Rostr.) Petr. 1959	Leaf spot/blight of legumes
	<i>Sphaerulina trifolii</i> Rostr. 1899	
	<i>Pleospora trifolii</i> (Rostr.) Petr. 1927	
	<i>Pseudoplea trifolii</i> (Rostr.) Petr. 1921	
	<i>Pseudosphaeria trifolii</i> (Rostr.) Höhn. 1929	

	<i>Saccothecium trifolii</i> (Rostr.) Kirschst. 1938	
	<i>Pleosphaerulina briosiana</i> Pollacci 1902	
	<i>Leptosphaerulina briosiana</i> (Pollacci) J.H. Graham & Luttr. 1961	
	<i>Pseudoplea briosiana</i> (Pollacci) Höhn. 1918	
	<i>Pseudoplea medicaginis</i> Miles 1925	
	<i>Pleosphaerulina setariae</i> Lobik 1928	
	<i>Pleosphaerulina smilacicola</i> Speg. 1909	
	<i>Leptosphaerulina vignae</i> Tehon & G.L. Stout	
<i>Didymosphaeriaceae</i>		
<i>Pseudopithomyces</i> ^(RPB2, TEF1, TUB2)	<i>Pseudopithomyces chartarum</i> (Berk. & M.A. Curtis) Jun F. Li et al. 2015	Leaf spot diseases
	<i>Sporidesmium chartarum</i> Berk. & M.A. Curtis 1874	
	<i>Piricauda chartarum</i> (Berk. & M.A. Curtis) R.T. Moore 1959	
	<i>Pithomyces chartarum</i> (Berk. & M.A. Curtis) M.B. Ellis 1960	
	<i>Sporidesmium bakeri</i> Syd. & P. Syd. 1914	
	<i>Leptosphaerulina chartarum</i> Cec. Roux 1986	
<i>Dothidotthiaceae</i>		
<i>Mycocentrospora</i>	<i>Mycocentrospora acerina</i> (R. Hartig) Deighton 1972	Leaf blight, root rot, various hosts
	<i>Cercospora acerina</i> R. Hartig 1880	
	<i>Ansatospora acerina</i> (R. Hartig) H.N. Hansen & Tompkins 1945	
	<i>Centrospora acerina</i> (R. Hartig) Vienn.-Bourg. 1946	
	<i>Cercosporella acerina</i> (R. Hartig) G. Arnaud 1952	
	<i>Sporidesmium acerinum</i> (R. Hartig) A.B. Frank 1896	
	<i>Cercospora ailanthi</i> P. Syd. 1899	
	<i>Cercosporella anemonis</i> Baudys 1916	
	<i>Cercosporella callosa</i> Allesch. 1900	
	<i>Cercospora cari</i> Westerd. & Luijk 1924	
	<i>Cercospora daemonicola</i> R. Sprague 1937	
	<i>Anguillospora flagellifera</i> Ingold 1950	
	<i>Spermospora impatientis</i> Melnik 1967	
	<i>Cercospora macrospora</i> Osterw. 1924	
	<i>Centrospora macrospora</i> (Osterw.) Neerg. 1943	
	<i>Centrospora ohlsenii</i> Neerg. 1942	
	<i>Cercospora praegrans</i> R. Sprague 1937	
	<i>Cercospora praelonga</i> R. Sprague 1937	
	<i>Cercosporella ulmicola</i> Höhn. 1903	
<i>Pleiochaeta</i>	<i>Pleiochaeta setosa</i> (Kirchn.) S. Hughes 1951	Leaf spot of legumes
	<i>Ceratophorum setosum</i> Kirchn. 1892	
<i>Wilsonomyces</i> ^(TEF1)	<i>Wilsonomyces carpophilus</i> (Lév.) Adask. et al. 1990	Shot hole disease of <i>Rosaceae</i> , peach shot hole
	<i>Helminthosporium carpophilum</i> Lév. 1843	
	<i>Stigmata carpophila</i> (Lév.) M.B. Ellis 1959	

Clasterosporium carpophilum (Lév.) Aderh. 1901
Coryneum carpophilum (Lév.) Jauch 1940
Sciniatosporium carpophilum (Lév.) Morgan-Jones 1971
Sporocadus carpophilus (Lév.) Arx 1981
Thyrostroma carpophilum (Lév.) B. Sutton 1997
Sporidesmium amygdalearum Pass. 1875
Clasterosporium amygdalearum (Pass.) Sacc. 1882
Coryneum beyerinckii Oudem. 1883
Stigmia briosiana Farneti 1902
Stigmella briosiana (Farneti) E. Bald. & Cif. 1937
Passalora brunaudii Sacc. 1879
Napicladium brunaudii (Sacc.) Sacc. 1886
Septosporium cerasorum Thüm. 1884
Helminthosporium cerasorum (Thüm.) Berl. & Voglino 1886
Coryneum laurocerasi Prill. & Delacr. 1890
Macrosporium rhabdiferum Berk. 1864
Helminthosporium rhabdiferum (Berk.) Berk. 1865

Leptosphaeriaceae

Longiseptatispora^(RPB2, TEF1, TUB2)

***Longiseptatispora meliloti* (Lasch ex Rabenh.) L.W. Hou & Crous 2020**

Leaf spot and root rot of *Medicago*

Depazea meliloti (Lasch ex Rabenh.) Rabenh.
Sphaeria (*Depazea*) *meliloti* Lasch 1842, nom. nud.
Septoria meliloti (Lasch ex Rabenh.) Sacc. 1890
Stagonospora meliloti (Lasch ex Rabenh.) Petr. 1920 [1919]
Phoma meliloti Allesch. 1892
Leptosphaeria weimeri Shoemaker et al. 1991

Plenodomus^(RPB2, TUB2)

***Plenodomus lingam* (Tode) Höhn. 1911**

Blackleg of *Brassica*

Sphaeria lingam Tode 1791
Phoma lingam (Tode) Desm. 1849
Aposphaeria brassicae Thüm. 1880
Phoma brassicae Thüm. 1884
Depazea brassicicola Desm. 1826
Depazea vagans var. *brassicae* J.J. Kickx 1835
Septoria brassicae Westend. & Wallays 1847
Phyllosticta brassicae Westend. 1851
Phoma densiuscula Sacc. & Roum. 1884
Sphaeria maculans Desm. 1846
Leptosphaeria maculans (Desm.) Ces. & De Not. 1863
Phoma napobrassicae Rostr. 1892
Phoma lingam var. *napobrassicae* (Rostr.) Grove 1935
Plenodomus rabenhorstii Preuss 1851

	<i>Sclerotium sphaeriaeforme</i> Lib. 1834	
	<i>Phyllosticta turritis</i> Lobik 1928	
<i>Massarinaceae</i>		
<i>Helminthosporium</i> ^(RPB2)	<i>Helminthosporium solani</i> Durieu & Mont. 1848	Silver scurf, a major pathogen of stored potatoes
	<i>Brachysporium solani</i> (Durieu & Mont.) Sacc. 1886	
	<i>Dematium atrovirens</i> Harz 1871	
	<i>Spondylocladium atrovirens</i> (Harz) Harz ex Sacc. 1886	
	<i>Helminthosporium atrovirens</i> (Harz) Mason & S. Hughes 1953	
<i>Melanommataceae</i>		
<i>Herpotrichia</i>	<i>Herpotrichia herpotrichoides</i> (Fuckel) P.F. Cannon 1982	Snow blight of conifers
	<i>Sphaeria herpotrichoides</i> Fuckel 1864	
	<i>Herpotrichia rhenana</i> Fuckel 1870	
	<i>Pyrenochaetella rhenana</i> (Sacc.) Höhn. 1917	
	<i>Herpotrichiopsis rhenana</i> (Sacc.) Höhn. 1914	
	<i>Herpotrichia rubi</i> Fuckel 1868	
<i>Seifertia</i> ^(TEF1)	<i>Seifertia azaleae</i> (Peck) Partridge & Morgan-Jones 2002	Azalea leaf, bud blight
	<i>Periconia azaleae</i> Peck 1873	
	<i>Briosia azaleae</i> (Peck) Dearn. 1941	
	<i>Pycnostysanus azaleae</i> (Peck) E.W. Mason 1941	
	<i>Sporocybe azaleae</i> (Peck) Sacc. 1886	
	<i>Seifertia shangrilaensis</i> Jun F. Li et al. 2016	Azalea leaf, bud blight
<i>Phaeosphaeriaceae</i>		
<i>Ophiosphaerella</i> ^(RPB2, TEF1)	<i>Ophiosphaerella herpotricha</i> (Fr.) J.C. Walker 1980	Spring dead spot of bermudagrass
	<i>Sphaeria herpotricha</i> Fr. 1823	
	<i>Ophiochaeta herpotricha</i> (Fr.) Sacc. 1895	
	<i>Phaeosphaeria herpotricha</i> (Fr.) L. Holm 1957	
	<i>Rhaphidophora herpotricha</i> (Fr.) Cooke 1889	
	<i>Ophiobolus herpotrichus</i> (Fr.) Sacc. 1881	
<i>Parastagonospora</i> ^(RPB2, TEF1, TUB2)	<i>Parastagonospora avenae</i> (A.B. Frank) Quaedvlieg et al. 2013	Leaf blotch and black stem on oats
	<i>Septoria avenae</i> A.B. Frank 1895	
	<i>Stagonospora avenae</i> (A.B. Frank) Bissett 1982	
	<i>Leptosphaeria avenaria</i> G.F. Weber 1922	
	<i>Phaeosphaeria avenaria</i> (G.F. Weber) O.E. Erikss. 1967	
	<i>Pleospora tritici</i> Garov. 1874	
	<i>Parastagonospora nodorum</i> (Berk.) Quaedvlieg et al. 2013	Glume blotch of wheat and other grasses
	<i>Depazea nodorum</i> Berk. 1845	
	<i>Hendersonia nodorum</i> (Berk.) Petr. 1947	
	<i>Septoria nodorum</i> (Berk.) Berk. 1845	
	<i>Stagonospora nodorum</i> (Berk.) Castell. & E.G. Germano 1977	
	<i>Septoria glumarum</i> Pass. 1879	

	<i>Phoma hennebergii</i> J.G. Kühn 1877	
	<i>Macrophoma hennebergii</i> (J.G. Kühn) Berl. & Voglino 1886	
	<i>Rhabdospora hennebergii</i> (J.G. Kühn) Sacc. & D. Sacc. 1906	
	<i>Stagonospora hennebergii</i> (J.G. Kühn) Petr. & Syd. 1925	
	<i>Septoria holci</i> Pass. 1879	
	<i>Leptosphaeria nodorum</i> E. Müll. 1952	
	<i>Phaeosphaeria nodorum</i> (E. Müll.) Hedjaroude 1968	
<i>Setophoma</i> ^(RPB2, TEF1, TUB2)	<i>Setophoma terrestris</i> (H.N. Hansen) Gruyter et al. 2010	Pink rot of <i>Allium</i>
	<i>Phoma terrestris</i> H.N. Hansen 1929	
	<i>Pyrenochaeta terrestris</i> (H.N. Hansen) Gorenz et al. 1948	
<i>Pleosporaceae</i>		
<i>Alternaria</i> ^(ATPase, GAPDH, RPB2, TEF1)	<i>Alternaria alternata</i> (Fr.) Keissl. 1912	Leaf spot, rots
	<i>Torula alternata</i> Fr. 1832	
	<i>Alternaria tenuis</i> Nees 1816	
	<i>Macrosporium erumpens</i> Cooke 1883	
	<i>Alternaria erumpens</i> (Cooke) P. Joly 1964	
	<i>Macrosporium meliloti</i> Peck 1880	
	<i>Macrosporium polytrichi</i> Peck 1890	
	<i>Macrosporium seguierii</i> Allesch. 1894	
<i>Lewia</i>	<i>Alternaria brassicae</i> (Berk.) Sacc. 1880	Leaf spots on <i>Brassica</i> spp.
	<i>Macrosporium brassicae</i> Berk. 1836	
	<i>Cercospora bloxami</i> Berk. & Broome 1882	
	<i>Rhopalidium brassicae</i> (Mont.) Mont. & Fr. 1836	
	<i>Sporidesmium brassicae</i> Masee 1901	
	<i>Alternaria brassicae</i> var. <i>macrospora</i> Sacc. 1886	
	<i>Macrosporium brassicae</i> var. <i>macrosporum</i> A.G. Eliasson 1896	
	<i>Sporidesmium exitiosum</i> J.G. Kühn 1855	
	<i>Polydesmus exitiosus</i> (J.G. Kühn) J.G. Kühn 1859	
	<i>Alternaria brassicae</i> var. <i>exitiosa</i> (J.G. Kühn) Ferraris 1902	
	<i>Macrosporium herculeum</i> Ellis & G. Martin 1882	
	<i>Alternaria herculea</i> (Ellis & G. Martin) J.A. Elliott 1917	
	<i>Cercospora lepidii</i> Peck 1884	
	<i>Cercospora moldavica</i> Savul. & Bontea 1946	
	<i>Sporidesmium onnii</i> P. Karst. 1891	
	<i>Alternaria dauci</i> (J.G. Kühn) J.W. Groves & Skolko 1944	Leaf spot of carrot
	<i>Sporidesmium exitiosum</i> var. <i>dauci</i> J.G. Kühn 1855	
	<i>Alternaria brassicae</i> var. <i>dauci</i> (J.G. Kühn) Lindau 1908	
	<i>Macrosporium dauci</i> (J.G. Kühn) Rostr. 1888	
	<i>Polydesmus exitiosus</i> var. <i>dauci</i> J.G. Kühn 1855	
	<i>Macrosporium carotae</i> Ellis & Langl. 1890	

	<i>Alternaria carotae</i> (Ellis & Langl.) J.A. Stev. & Wellman 1944	
	<i>Alternaria poonensis</i> Ragunath 1963	
	<i>Alternaria porri</i> (Ellis) Cif. 1930	Purple blotch, leaf blight and bulb rot of onions (<i>Allium</i> spp.)
	<i>Macrosporium porri</i> Ellis 1879	Nailhead spot of tomato
	<i>Alternaria tomato</i> (Cooke) Jones 1896	
	<i>Macrosporium tomato</i> Cooke 1883	
	<i>Alternaria solani</i> Sorauer 1896	Early blight of <i>Solanaceae</i>
	<i>Alternaria americana</i> Sawada 1931	
	<i>Macrosporium solani</i> Ellis & G. Martin 1882	
	<i>Sporidesmium solani-variens</i> Vanha 1904	
<i>Alternariaster</i> ^(RPB2)	<i>Alternariaster bidentis</i> J.L. Alves & R.W. Barreto 2013	Leaf spot of <i>Bidens</i> (Cosmos)
	<i>Alternariaster helianthi</i> (Hansf.) E.G. Simmons 2007	Leaf spot of sunflower
	<i>Helminthosporium helianthi</i> Hansf. 1943	
	<i>Alternaria helianthii</i> (Hansf.) Tubaki & Nishih. 1969	
	<i>Helminthosporium helianthi</i> Hansf. 1943 [1942-1943]	
<i>Bipolaris</i> ^(GAPDH, TEF1)	<i>Bipolaris maydis</i> (Y. Nisik. & Miyake) Shoemaker 1959	Southern corn leaf blight of maize
<i>Cochliobolus</i>	<i>Helminthosporium maydis</i> Y. Nisik. & Miyake 1926	
	<i>Drechslera maydis</i> (Y. Nisik. & Miyake) Subram. & P.C. Jain 1966	
	<i>Ophiobolus heterostrophus</i> Drechsler 1925	
	<i>Cochliobolus heterostrophus</i> (Drechsler) Drechsler 1934	
	<i>Bipolaris oryzae</i> (Breda de Haan) Shoemaker 1959	Brown spot disease of rice
	<i>Helminthosporium oryzae</i> Breda de Haan 1900	
	<i>Drechslera oryzae</i> (Breda de Haan) Subram. & P.C. Jain 1966	
	<i>Ophiobolus miyabeanus</i> Ito & Kurib. 1927	
	<i>Cochliobolus miyabeanus</i> (Ito & Kurib.) Drechsler ex Dastur 1942	
	<i>Bipolaris sacchari</i> (E.J. Butler) Shoemaker 1959	Eye spot of sugarcane
	<i>Helminthosporium sacchari</i> E.J. Butler 1913	
	<i>Drechslera sacchari</i> (E.J. Butler) Subram. & B.L. Jain 1966	
	<i>Cercospora sacchari</i> Breda de Haan 1892	
	<i>Bipolaris sorokiniana</i> (Sacc.) Shoemaker 1959	Root rot and spot blotch of barley and wheat
	<i>Helminthosporium sorokinianum</i> Sacc. 1891	
	<i>Helminthosporium sativum</i> Pammel et al. 1910	
	<i>Drechslera sorokiniana</i> (Sacc.) Subram. & B.L. Jain 1966	
	<i>Helminthosporium acrothecioides</i> Lindf. 1918	
	<i>Helminthosporium californicum</i> Mackie & G.E. Paxton 1923	
	<i>Ophiobolus sativus</i> S. Ito & Kurib. 1929	
	<i>Cochliobolus sativus</i> (S. Ito & Kurib.) Drechsler ex Dastur 1942	
	<i>Bipolaris victoriae</i> (F. Meehan & Murphy) Shoemaker 1959	Victoria blight of oats
	<i>Helminthosporium victoriae</i> F. Meehan & Murphy 1946	
	<i>Drechslera victoriae</i> (F. Meehan & Murphy) Subram. & P.C. Jain 1966	

<i>Curvularia</i> ^(GAPDH, TEF1)	<i>Cochliobolus victoriae</i> R.R. Nelson 1960	
	<i>Curvularia geniculata</i> (Tracy & Earle) Boedijn 1933	Leaf spot of maize and other crops
	<i>Helminthosporium geniculatum</i> Tracy & Earle 1896	
	<i>Cochliobolus geniculatus</i> R.R. Nelson 1964	
	<i>Curvularia hawaiiensis</i> (Bugnic.) Manamgoda et al. 2012	Brown leaf spot of rice
	<i>Helminthosporium hawaiiense</i> Bugnic. 1955	
	<i>Drechslera hawaiiensis</i> (Bugnic.) Subram. & B.L. Jain 1966	
	<i>Cochliobolus hawaiiensis</i> Alcorn 1978	
	<i>Pseudocochliobolus hawaiiensis</i> (Alcorn) Tsuda & Ueyama 1981	
	<i>Bipolaris hawaiiensis</i> (M.B. Ellis) J.Y. Uchida & Aragaki 1979	
<i>Exserohilum</i> ^(GAPDH, RPB2) <i>Setosphaeria</i>	<i>Curvularia lunata</i> (Wakker) Boedijn 1933	Brown leaf spot of rice
	<i>Acrothecium lunatum</i> Wakker 1898	
	<i>Helminthosporium caryopsidum</i> Sacc. 1914	
	<i>Curvularia caryopsidum</i> (Sacc.) Teng 1964	
	<i>Cochliobolus lunatus</i> R.R. Nelson & Haasis 1964	
	<i>Pseudocochliobolus lunatus</i> (R.R. Nelson & Haasis) Tsuda et al. 1978	
	<i>Helminthosporium sudanense</i> Gonz. Frag. & Cif. 1926	
	<i>Curvularia sudanensis</i> (Gonz. Frag. & Cif.) Castell. 1952	
	<i>Curvularia trifolii</i> (Kauffm.) Boedijn 1933	Leaf blight of clover and other hosts
	<i>Brachysporium trifolii</i> Kauffm. 1920	
<i>Exserohilum</i> ^(GAPDH, RPB2) <i>Setosphaeria</i>	<i>Exserohilum rostratum</i> (Drechsler) K.J. Leonard & Suggs 1974	Leaf spots and blights of cereals
	<i>Helminthosporium rostratum</i> Drechsler 1923	
	<i>Bipolaris rostrata</i> (Drechsler) Shoemaker 1959	
	<i>Drechslera rostrata</i> (Drechsler) M.J. Richardson & E.M. Fraser 1968	
	<i>Helminthosporium halodes</i> Drechsler 1923	
	<i>Bipolaris halodes</i> (Drechsler) Shoemaker 1959	
	<i>Exserohilum halodes</i> (Drechsler) K.J. Leonard & Suggs 1974	
	<i>Drechslera halodes</i> (Drechsler) Subram. & B.L. Jain 1966	
	<i>Luttrellia rostrata</i> (Drechsler) Gornostai 1978	
	<i>Setosphaeria rostrate</i> K.J. Leonard 1976	
<i>Pyrenophora</i> ^(GAPDH, TEF1)	<i>Exserohilum turcicum</i> (Pass.) K.J. Leonard & Suggs 1974	Leaf blight of corn, sorghum and other <i>Poaceae</i>
	<i>Helminthosporium turcicum</i> Pass. 1876	
	<i>Bipolaris turcica</i> (Pass.) Shoemaker 1959	
	<i>Drechslera turcica</i> (Pass.) Subram. & P.C. Jain 1966	
	<i>Luttrellia turcica</i> (Pass.) Khokhr. 1978	
	<i>Helminthosporium inconspicuum</i> Cooke & Ellis 1878	
	<i>Trichometasphaeria turcica</i> Luttr. 1958	
	<i>Setosphaeria turcica</i> (Luttr.) K.J. Leonard & Suggs 1974	
<i>Keissleriella turcica</i> (Luttr.) Arx 1970		
<i>Pyrenophora teres</i> Drechsler 1923	Net blotch of barley	

<i>Polytrichia</i>	<i>Helminthosporium secalis</i> Fée 1843	
<i>Pleospora</i> subgen.	<i>Alternaria secalis</i> (Fée) Sacc. & Traverso 1911	
<i>Scleroplea</i>	<i>Helminthosporium gramineum</i> Rabenh. 1857	
<i>Neilreichina</i>	<i>Brachysporium gracile</i> var. <i>gramineum</i> (Rabenh. ex Schltdl.) Sacc. 1886	
<i>Scleroplea</i>	<i>Drechslera graminea</i> (Rabenh. ex Schltdl.) S. Ito 1930	
<i>Drechslera</i>	<i>Drechslera teres</i> subsp. <i>graminea</i> (Rabenh. ex Schltdl.) Simay 1992	
<i>Marielliotia</i>	<i>Helminthosporium teres</i> Sacc. 1886	
	<i>Drechslera teres</i> (Sacc.) Shoemaker 1959	
	<i>Drechslera teres</i> f. <i>teres</i> (Sacc.) Shoemaker 1959	
	<i>Drechslera teres</i> subsp. <i>teres</i> (Sacc.) Shoemaker 1959	
	<i>Helminthosporium hordei</i> Eidam 1891	
	<i>Helminthosporium tuberosum</i> G.F. Atk. 1897	
	<i>Drechslera tuberosa</i> (G.F. Atk.) Shoemaker 1959	
	<i>Helminthosporium fragosoi</i> Bubák 1915	
	<i>Pyrenophora teres</i> f. <i>teres</i> Drechsler 1923	
	<i>Pyrenophora teres</i> subsp. <i>teres</i> Drechsler 1923	
	<i>Helminthosporium japonicum</i> S. Ito & Kurib. 1930	
	<i>Pyrenophora japonica</i> S. Ito & Kurib. 1930	
	<i>Drechslera japonica</i> (S. Ito & Kurib.) Shoemaker 1959	
	<i>Pyrenophora graminea</i> S. Ito & Kurib. 1930	
	<i>Pyrenophora teres</i> subsp. <i>graminea</i> (S. Ito & Kurib.) Simay 1992	
	<i>Pyrenophora secalis</i> M.D. Whitehead & J. Dicks. 1952	
	<i>Drechslera teres</i> f. <i>maculata</i> Smed.-Pet. 1971	
	<i>Pyrenophora teres</i> f. <i>maculata</i> Smed.-Pet. 1971	
	<i>Pyrenophora tritici-repentis</i> (Died.) Drechsler 1923	Yellow leaf spot and blight of cereals, turf grass
	<i>Pleospora tritici-repentis</i> Died. 1903	
	<i>Pleospora trichostoma</i> f. sp. <i>tritici-repentis</i> Died. 1902	
	<i>Drechslera tritici-repentis</i> (Died.) Shoemaker 1959	
	<i>Helminthosporium gramineum</i> f. sp. <i>tritici-repentis</i> Died. 1902	
	<i>Helminthosporium tritici-vulgaris</i> Y. Nisik. 1928	
	<i>Drechslera tritici-vulgaris</i> (Y. Nisik.) S. Ito 1930	
<i>Stemphylium</i> ^(cmdA, GAPDH)	<i>Stemphylium botryosum</i> Wallr. 1886	Stemphylium blight
	<i>Macrosporium commune</i> Rabenh. 1870	
	<i>Pleospora tarda</i> E.G. Simmons 1986 [1985]	
	<i>Stemphylium lycopersici</i> (Enjoji) W. Yamam. 1960	Flower and leaf blight, fruit rot
	<i>Thyrospora lycopersici</i> Enjoji 1931	
	<i>Thyrospora solani</i> Sawada 1931	
	<i>Stemphylium floridanum</i> Hannon & G.F. Weber 1955	
	<i>Stemphylium vesicarium</i> (Wallr.) E.G. Simmons 1969	Leaf spot, purple spot
	<i>Helminthosporium vesicarium</i> Wallr. 1833	

Macrosporium vesicarium (Wallr.) Sacc. 1886
Sphaeria allii Rabenh. 1846
Pleospora allii (Rabenh.) Ces. & De Not. 1863
Macrosporium alliorum Cooke & Masee 1888
Mystrosporium alliorum Berk. ex Sacc. 1886
Macrosporium parasiticum Thüm. 1877
Stemphylium parasiticum (Thüm.) J.A. Elliott ex A.W. Henry 1924
Stemphylium herbarum E.G. Simmons 1986 [1985]
Sphaeria herbarum Pers. 1801
Pleospora herbarum (Pers.) Rabenh. 1857
Sporidesmium putrefaciens Fuckel 1870
Clasterosporium putrefaciens (Fuckel) Sacc. 1886
Alternaria putrefaciens (Fuckel) E.G. Simmons 1995
Macrosporium cheiranthi var. *betae* Cooke 1871
Pleospora herbarum f. *citrorum* Sacc. 1883

Venturiales

Venturiaceae

Apiosporina

***Apiosporina morbosa* (Schwein.) Arx 1954**

Plowrightia morbosa (Schwein.) Sacc. 1883
Dibotryon morbosum (Schwein.) Theiss. & Syd. 1915

Black knot of cherry

Protoventuria

Venturia^(TEF1, TUB2)

Fusicladium

Spilocaea,

Piggotia,

Pollaccia

Cycloconium,

Napicladium,

Basiascum

***Protoventuria barriae* Carris & A.P. Poole 1993**

***Venturia carpophila* E.E. Fisher 1961**

Cladosporium americanum H.C. Greene 1949
Fusicladium amygdali Ducomet 1911
Cladosporium carpophilum Thüm. 1877
Fusicladium carpophilum (Thüm.) Oudem. 1900
Megacladosporium carpophilum (Thüm.) Vienn.-Bourg. 1949
Fusicladosporium carpophilum (Thüm.) Partridge & Morgan-Jones 2003
Fusicladium pruni Ducomet 1907

Reddened leaf spot of cranberry
 Shoot and leaf blight of *Rosaceae*

***Venturia inaequalis* (Cooke) G. Winter 1875**

Sphaerella inaequalis Cooke 1866
Endostigme cinerascens (Aderh.) Jorst. 1945
Spilosticta cinerascens (Aderh.) Petr. 1947
Didymosphaeria inaequalis (Cooke) Niessl 1881
Endostigme inaequalis (Cooke) Syd. 1923
Spilosticta inaequalis (Cooke) Petr. 1940
Venturia inaequalis var. *cinerascens* Aderh. 1900
Phaeosphaerella berlinensis Kirschst. 1938
Venturia chlorospora f. *mali* Aderh. 1894
Actinonema crataegi Pers. 1822

Apple scab

Capillaria crataegi (Pers.) Link 1824
Phlyctidium crataegi (Pers.) Wallr. 1833
Spilocaea crataegi (Pers.) S. Hughes 1958
Asteroma crataegi (Pers.) Rabenh. 1844
Asteroma crataegi var. *sorbi* Desm. 1846
Cladosporium dendriticum Wallr. 1833
Fusicladium dendriticum (Wallr.) Fuckel 1870 [1869]
Passalora dendritica (Wallr.) Sacc. 1876
Venturia inaequalis f. sp. *mali* R. Menon 1956
Asteroma mali Desm. 1841
Fumago mali Pers. 1822
Spilocaea pomi Fr. 1819
Fusicladium pomi (Fr.) Lind 1913
Asteroma crataegi var. *pomi* Desm. 1846

***Venturia pyrina* Aderh. 1896**

Helminthosporium pyrorum Lib. 1832
Arthrimum pyrinum Wallr. 1833
Fusidium pyrinum Corda 1837
Fusicladium virescens Bonord. 1851
Fusicladium fuscescens Rabenh. 1857
Cladosporium polymorphum Peyl 1865
Passalora pomi G.H. Otth 1868
Cercospora porrigo Speg. 1899
Acrotheca dearnessiana Sacc. 1912
Endostigme pyrina (Aderh.) Syd. 1923

Scab or black spot of pear

Xenomeris

***Xenomeris abietis* M.E. Barr 1968**

Sclerophoma xenomeria Funk 1980

Canker and dieback of conifers. Pacific Northwest, Canada, New Zealand

Eurotiomycetes

Chaetothyriales

Herpotrichiellaceae

Metulocladosporiella^(TEF1)

***Metulocladosporiella Chiangmaiensis* Y. Marín et al. 2018**

Metulocladosporiella speckle disease of banana

***Metulocladosporiella Malaysiana* Y. Marín & Crous 2018**

Metulocladosporiella speckle disease of banana

***Metulocladosporiella musae* (E.W. Mason) Crous et al. 2006**

Cladosporium musae E.W. Mason 1945

Periconiella sapientumicola Siboe 1994

Metulocladosporiella speckle disease of banana

***Metulocladosporiella musicola* Crous et al. 2006**

Metulocladosporiella speckle disease of banana

	<i>Metulocladosporiella musigena</i> Y. Marín et al. 2018	Metulocladosporiella speckle disease of banana
	<i>Metulocladosporiella samutensis</i> Y. Marín et al. 2018	Metulocladosporiella speckle disease of banana
<i>Eurotiales</i>		
<i>Aspergillaceae</i>		
<i>Aspergillus</i> ^(cmdA, RPB2, TUB2)	<i>Aspergillus flavus</i> Link 1809	Rots of fruit and food where it produces highly carcinogenic chemicals Primarily fruit rot and related food spoilage
	<i>Aspergillus niger</i> Tiegh. 1867	
	<i>Aspergillopsis nigra</i> (Tiegh.) Speg. 1910	
	<i>Rhopalocystis nigra</i> (Tiegh.) Grove 1911	
	<i>Sterigmatocystis nigra</i> (Tiegh.) Tiegh. 1877	
	<i>Aspergillus parasiticus</i> Speare 1912	Produces aflatoxin
	<i>Penicillium expansum</i> Link 1809	Blue mold, fruit rot, post harvest decay
	<i>Coremium leucopus</i> Pers. 1822	
	<i>Penicillium musae</i> Weid. 1907	
	<i>Penicillium variabile</i> Wehmer 1913	
<i>Penicillium</i> ^(cmdA, RPB2, TUB2)		
<i>Monascaceae</i>		
<i>Monascus</i> ^(cmdA, RPB2, TUB2)	<i>Monascus purpureus</i> Went. 1895	Red yeast rice, used in food fermentations
<i>Basipetospora</i>		
<i>Leotiomycetes</i>		
<i>Chaetomellales</i>		
<i>Chaetomellaceae</i>		
<i>Pilidium</i>	<i>Pilidium lythri</i> (Desm.) Rossman 2014	Fruit rot of strawberry, stem rot of <i>Rubus</i> , canker of <i>Eucalyptus</i>
<i>Discohainsia</i>	<i>Dacrymyces lythri</i> Desm. 1846	
<i>Hainesia</i>	<i>Hainesia lythri</i> (Desm.) Höhn. 1906	
	<i>Hainesia castaneae</i> Oudem. 1902	
	<i>Ceuthospora concava</i> Desm. 1847	
	<i>Pilidium concavum</i> (Desm.) Höhn. 1915	
	<i>Sclerotiopsis concava</i> (Desm.) Shear & B.O. Dodge 1921	
	<i>Sphaeronaema corneum</i> Cooke & Ellis 1878	
	<i>Hainesia epilobii</i> A.G. Eliasson 1896	
	<i>Patellina fragariae</i> F. Stevens & Peterson 1916	
	<i>Hainesia jabalpurensis</i> Sahni 1968	
	<i>Hainesia lunata</i> J. Kranz 1969	
	<i>Pezizella lythri</i> Shear & B.O. Dodge 1921	
	<i>Peziza oenotherae</i> Cooke & Ellis 1878	
	<i>Discohainesia oenotherae</i> (Cooke & Ellis) Nannf. 1932	
	<i>Pezizella oenotherae</i> (Cooke & Ellis) Sacc. 1889	
	<i>Hymenoscyphus oenotherae</i> (Cooke & Ellis) Kuntze 1898	

	<i>Helotium oenotherae</i> (Cooke & Ellis) Höhn. 1926	
	<i>Mollisia oenotherae</i> (Cooke & Ellis) Seaver 1951	
	<i>Gloeosporium rhoinum</i> Sacc. 1881	
	<i>Hainesia rhoina</i> (Sacc.) Ellis & Sacc. 1884	
	<i>Hymenula rhoina</i> (Ellis & Sacc.) Bubák & Kabát 1912	
	<i>Tubercularia rhois</i> Halst. 1893	
	<i>Hainesia rostrupii</i> Oudem. 1902	
	<i>Gloeosporium tremellinum</i> Sacc. 1880	
	<i>Hainesia tremellina</i> (Sacc.) Sacc. 1884	
	<i>Tubercularia zythioides</i> C. Massal. 1893	
<i>Marthamycetaceae</i>		
<i>Cyclaneusma</i> ^(TEF1, TUB2)	<i>Cyclaneusma minus</i> (Butin) DiCosmo et al. 1983	Needle necrosis, premature defoliation of pine
	<i>Naemacyclus minor</i> Butin 1973	
Helotiales		
<i>Cenangiaceae</i>		
<i>Crumenulopsis</i>	<i>Crumenulopsis sororia</i> (P. Karst.) J.W. Groves 1969	Canker of pine, dieback
<i>Digitosporium</i>	<i>Crumenula sororia</i> P. Karst. 1871	
	<i>Godronia sororia</i> (P. Karst.) P. Karst. 1885	
	<i>Digitosporium piniphilum</i> Gremmen 1953	
<i>Rhabdocline</i>	<i>Rhabdocline pseudotsugae</i> Syd. 1922	Needle cast of Douglas-fir, larch
<i>Meria</i>		
<i>Rhabdogloeum</i>		
<i>Sclerencoelia</i> ^(RPB1, RPB2)	<i>Sclerencoelia fascicularis</i> (Alb. & Schwein.) Pärtel & Baral 2016	Sooty bark canker of aspen
	<i>Encoelia fascicularis</i> (Alb. & Schwein.) P. Karst. 1871	
<i>Cyttariaceae</i>		
<i>Cyttaria</i> ^(SSU, mtSSU, TEF1)	<i>Cyttaria berteroi</i> Berk. 1842	Gall and canker of <i>Nothofagus</i>
<i>Dermateaceae</i>		
<i>Coleophoma</i> ^(TEF1, TUB2)	<i>Coleophoma empetri</i> (Rostr.) Petr. 1929	Cranberry fruit rot
	<i>Septoria empetri</i> Rostr. 1888	
	<i>Rhabdostromina empetri</i> (Rostr.) Died. 1921	
	<i>Coleophoma ericae</i> Höhn.	
	<i>Sporonema oxycocci</i> Shear 1907	
<i>Dermea</i>	<i>Dermea abietina</i> (Peck) Rossman 2014	Canker of conifers
<i>Foveostroma</i>	<i>Gelatinosporium abietinum</i> Peck 1873	
	<i>Micropera abietina</i> (Peck) Höhn. 1926	
	<i>Foveostroma abietinum</i> (Peck) DiCosmo 1978	
	<i>Cenangium balsameum</i> Peck 1885	
	<i>Dermea balsamea</i> (Peck) Seaver 1932	
	<i>Cenangium balsameum</i> var. <i>abietinum</i> Peck 1890	
<i>Neofabraea</i> ^(RPB2, TUB2)	<i>Neofabraea malicorticis</i> H. Jacks. 1913	Canker of poplar, other woody hosts

Pezicula^(RPB2, TUB2)
Cryptosporiopsis

Pezicula malicorticis (H. Jacks.) Nannf. 1932
Macrophoma curvispora Peck 1900
Cryptosporiopsis curvispora (Peck) Gremmen 1959
Gloeosporium malicorticis Cordley 1900
Cryptosporiopsis malicorticis (Cordley) Nannf. 1932
Myxosporium malicorticis (Cordley) Potebnia 1907
***Pezicula cinnamomea* (DC.) Sacc. 1881**
Peziza cinnamomea DC. 1815
Dermatea cinnamomea (DC.) W. Phillips 1887
Encoelia cinnamomea (DC.) Chaillet 1886
Scleroderris cinnamomea (DC.) Masee 1895
Dermatea alni Rehm 1889
Dermatella quercina var. *alni* (Rehm) Sacc. 1889
Pezicula alni (Rehm) Rehm 1912
Dermatea australis Rehm 1889
Dermatella australis (Rehm) Sacc. 1889
Pezicula australis (Rehm) Rehm 1912
Dermatea betulae Rehm 1885
Dermatella betulae (Rehm) Sacc. & P. Syd. 1889
Pezicula betulae (Rehm) Rehm 1912
Dermatea carnea Cooke & Ellis 1876
Pezicula carnea (Cooke & Ellis) Rehm 1912
Pezicula cinnamomea f. *castaneae* Sacc. 1881
Dermatea conigena W. Phillips 1881
Pezicula conigena (W. Phillips) Sacc. 1889
Pezicula cornicola Seaver 1937
Dermatea coryli Tul. 1853
Pezicula coryli (Tul.) Tul. & C. Tul. 1865
Encoelia coryli (Tul.) Quél. 1880
Dermatea dissepta Tul. 1853
Pezicula dissepta (Tul.) Tul. & C. Tul. 1865
Dermatella dissepta (Tul.) Sacc. 1884
Dermatea dryina Cooke ex W. Phillips 1887
Pezicula dryina (Cooke ex W. Phillips) Sacc. 1889
Pezicula eucalypti Korf & Iturr. 1997
Pezicula fagicola Rehm ex Wagner 1896
Pezicula ilicina Kirschst. 1944
Dermatina javanica Höhn. 1909
Pezicula juniperina Rehm 1912
Dermatea laricicola Fuckel 1867

Postharvest rot, apple canker

Pezicula laricicola (Fuckel) Fuckel 1870
Patellaria livida Berk. & Broome 1854
Durella livida (Berk. & Broome) Sacc. 1889
Pezicula livida (Berk. & Broome) Rehm 1878
Lacaniidion lividum (Berk. & Broome) Lambotte 1880
Dermatea livida (Berk. & Broome) W. Phillips 1887
Dermatella livida (Berk. & Broome) Sacc. 1889
Scleroderris livida (Berk. & Broome) Masee 1895
Dermatella livida subsp. *pachyspora* Sacc. 1889
Dermatea minuta Peck 1879
Pezicula minuta (Peck) Peck 1887
Dermatea pallidula Cooke 1888
Scleroderris pallidula (Cooke) Sacc. 1889
Pezicula pallida (Cooke) Rehm 1912
Pezicula plantarium Wollenw. 1939
Dermatea pseudoplatani W. Phillips 1888
Pezicula pseudoplatani (W. Phillips) Masee 1895
Dermatea quercina Fuckel 1866
Pezicula quercina (Fuckel) Fuckel 1870
Dermatella quercina (Fuckel) Sacc. 1889
Dermea quercina (Fuckel) Rehm 1896
Dermatea quercina f. *aceris* Rehm 1887
Dermatea alni f. *aceris* (Rehm) Rehm 1889
Dermatella quercina var. *aceris* (Rehm) Sacc. 1889
Pezicula salicacearum Kirschst. 1941
Dermatea simillima Ellis & Everh. 1894 [1893]

Discinellaceae

Pseudopezicula

***Pseudopezicula tracheiphila* (Müll.-Thurg.) Korf & W.Y. Zhuang 1986**

Pseudopeziza tracheiphila Müll.-Thurg. 1903

Grape angular leaf scorch

Drepanopezizaceae

Blumeriella

Phloeosporella

***Blumeriella jaapii* (Rehm) Arx 1961**

Pseudopeziza jaapii Rehm 1907

Higginsia jaapii (Rehm) Nannf. 1932

Coccomyces hiemalis B.B. Higgins 1913

Higginsia hiemalis (B.B. Higgins) Nannf. 1932

Blumeriella hiemalis (B.B. Higgins) Põldmaa 1967

Cylindrosporium hiemalis Higgins 1914

Phloeosporella hiemalis (B.B. Higgins) Põldmaa 1967

Coccomyces lutescens B.B. Higgins 1914

Higginsia lutescens (B.B. Higgins) Nannf. 1932

Cherry leaf spot, shot hole disease of
Prunus

	<i>Cylindrosporium lutescens</i> B.B. Higgins 1914	
	<i>Ascochyta padi</i> Lib. 1832	
	<i>Cylindrosporium padi</i> P. Karst. 1884	
	<i>Phloeospora padi</i> (P. Karst.) Petr. 1919	
	<i>Septoria padi</i> Lasch 1842	
	<i>Coccomyces prunophorae</i> B.B. Higgins 1914	
	<i>Higginsia prunophorae</i> (B.B. Higgins) Nannf. 1932	
	<i>Cylindrosporium prunophorae</i> B.B. Higgins 1914	
	<i>Blumeriella kerriae</i> (V.B. Stewart) Korf 1971	Twig and leaf blight on <i>Kerria</i>
	<i>Coccomyces kerriae</i> V.B. Stewart 1917	
	<i>Higginsia kerriae</i> (V.B. Stewart) Nannf. 1932	
<i>Diplocarpon</i>	<i>Diplocarpon fragariae</i> (Sacc.) Rossman 2014	Leaf scorch of strawberry
<i>Entomosporium</i>	<i>Leptothyrium fragariae</i> Lib. 1832	
<i>Fabraea</i>	<i>Peziza earliana</i> Ellis & Everh. 1884	
<i>Marssonina</i>	<i>Diplocarpon earlianum</i> (Ellis & Everh.) F.A. Wolf 1924	
	<i>Fabraea earliana</i> (Ellis & Everh.) Seaver 1951	
	<i>Phyllosticta potentillae</i> Desm. 1847	
	<i>Marssonina potentillae</i> (Desm.) Magnus 1906	
	<i>Marssonina potentillae</i> var. <i>fragariae</i> Sacc. 1937	
	<i>Diplocarpon mespili</i> (Sorauer) B. Sutton 1980	Black spot of roses
	<i>Stigmatea mespili</i> Sorauer 1878	
	<i>Fabraea maculata</i> Atk. 1951	
	<i>Diplocarpon maculatum</i> (Atk.) Jørst. 1945	
	<i>Entomosporium maculatum</i> Lév. 1857 [1856]	
	<i>Entomosporium maculatum</i> var. <i>domesticum</i> (Sacc.) Grove 1884	
	<i>Xyloma mespili</i> DC. 1815	
	<i>Entomosporium mespili</i> (DC.) Sacc. 1880	
<i>Drepanopeziza</i>	<i>Drepanopeziza populi-albae</i> (Kleb.) Nannf. 1932	Leaf and shoot blights
<i>Gloeosporidiella</i>	<i>Pseudopeziza populi-albae</i> Kleb. 1918	
	<i>Gloeosporium castagnei</i> Desm. & Mont. 1849	
	<i>Marssonina castagnei</i> (Desm. & Mont.) Magnus 1906	
	<i>Leptothyrium populi</i> Lib.	
	<i>Marssonina populi</i> (Lib.) Magnus 1906	
	<i>Gloeosporium populi</i> (Lib.) Mont. & Desm. 1876	
	<i>Marssonina populi</i> (Lib.) Sacc. 1884	
	<i>Drepanopeziza ribis</i> (Kleb.) Höhn. 1917	Anthracnose of <i>Ribes</i>
	<i>Pseudopeziza ribis</i> Kleb. 1906	
	<i>Leptothyrium ribis</i> Lib. 1834	
	<i>Gloeosporidiella ribis</i> (Lib.) Petr. 1921	

<i>Leptotrochila</i> <i>Sporonema</i>	<i>Leptotrochila medicaginis</i> (Fuckel) H. Schüepp 1959 <i>Pyrenopeziza medicaginis</i> Fuckel 1870 <i>Pseudopeziza jonesii</i> Nannf. 1932 <i>Ascochyta medicaginis</i> Fuckel 1870 [1869] <i>Phyllosticta medicaginis</i> (Fuckel) Sacc. 1884 <i>Gloeosporium morianum</i> Sacc. 1886 <i>Sporonema phacidioides</i> Desm. 1847	Yellow leaf blotch of alfalfa, leaf blight of clover
<i>Pseudopeziza</i>	<i>Pseudopeziza medicaginis</i> (Lib.) Sacc. 1887 <i>Phacidium medicaginis</i> Lib. 1832	Leaf spot of alfalfa (<i>Medicago</i>)
<i>Erysiphaceae</i> <i>Blumeria</i> ^(TEF1, TUB2) <i>Oidium</i>	<i>Blumeria graminis</i> (DC.) Speer 1975 <i>Erysiphe graminis</i> DC. 1815 <i>Acrosporium monilioides</i> Nees 1817 <i>Oidium monilioides</i> (Nees) Link 1824 <i>Oidium tritici</i> Lib. 1830	Powdery mildew of grasses
<i>Erysiphe</i> ^(TUB2)	<i>Erysiphe macrospora</i> (Peck) U. Braun & S. Takam. 2000 <i>Uncinula macrospora</i> Peck 1872 <i>Uncinula intermedia</i> Berk. & M.A. Curtis 1876	Powdery mildew of North American elm
	<i>Erysiphe necator</i> Schwein. 1834 <i>Uncinula necator</i> (Schwein.) Burrill 1892 <i>Uncinula americana</i> Howe 1872 <i>Sphaerotheca castagnei</i> var. <i>vitis</i> Fuckel 1869 <i>Uncinula spiralis</i> Berk. & M.A. Curtis 1876 <i>Uncinula spiralis</i> var. <i>racemosum</i> Thüm. 1878 <i>Uncinula subfusca</i> Berk. & M.A. Curtis 1876 <i>Erysiphe tuckeri</i> Berk. 1855 <i>Oidium tuckeri</i> Berk. 1847 <i>Acrosporium tuckeri</i> (Berk.) Sumst. 1913	Powdery mildew of grape
	<i>Erysiphe pisi</i> DC. 1805 <i>Alphitomorpha pisi</i> (DC.) Wallr. 1819	Powdery mildew of garden pea and other legumes
<i>Golovinomyces</i> ^(CHS-1, TUB2)	<i>Golovinomyces cichoracearum</i> (DC.) V.P. Heluta 1988 <i>Erysiphe cichoracearum</i> DC. 1805 <i>Uncinula cichoracearum</i> (DC.) Fuss 1878 <i>Erysiphe scorzonerae</i> Castagne 1845	Powdery mildew of <i>Scorzonera</i> and <i>Tragopogon</i>
	<i>Golovinomyces latisporus</i> (U. Braun) P.-L. Qiu & S.-Y. Liu 2020 <i>Oidium latisporum</i> U. Braun 1982 <i>Erysiphe cichoracearum</i> var. <i>latispora</i> U. Braun 1983 <i>Golovinomyces cichoracearum</i> var. <i>latisporus</i> (U. Braun) U. Braun 1999 <i>Erysiphe cichoracearum</i> f. <i>helianthi</i> Jacz. 1927	Powdery mildew of sunflower (<i>Helianthus</i>)

<i>Leveillula</i> ^(TUB2) <i>Oidiopsis</i>	<i>Leveillula taurica</i> (Lév.) G. Arnaud 1921 <i>Erysiphe taurica</i> Lév. Note: Numerous synonyms.	Powdery mildew of cotton and many other hosts
<i>Phyllactinia</i>	<i>Phyllactinia alnicola</i> U. Braun 2012 <i>Erysiphealni</i> DC. 1815 <i>Alphitomorphaalni</i> (DC.) Wallr. 1819 <i>Microsphaeraalni</i> (DC.) G. Winter 1884	Powdery mildew of alder
	<i>Phyllactinia guttata</i> (Wallr.) Lév. 1851 <i>Alphitomorpha guttata</i> Wallr. 1818 <i>Erysiphe guttata</i> (Wallr.) Link 1824 <i>Erysiphe coryli</i> DC. 1805 <i>Erysiphe guttata</i> var. <i>coryli</i> (DC.) Link 1824 <i>Phyllactinia corylea</i> (Pers.) P. Karst. 1900 <i>Sclerotium suffultum</i> Rebent. 1804 <i>Erysiphe varia</i> var. <i>suffulta</i> (Rebent.) Fr. <i>Phyllactinia suffulta</i> (Rebent.) Sacc. 1880	Powdery mildew of hazelnut, filbert
<i>Podosphaera</i> ^(TUB2)	<i>Podosphaera macularis</i> (Wallr.) U. Braun & S. Takam. 2000 <i>Alphitomorpha macularis</i> Wallr. 1819 <i>Erysiphe macularis</i> (Wallr.) Fr. 1829 <i>Erysiphe humuli</i> DC. 1815 <i>Desetangsia humuli</i> (DC.) Nieuwl. 1916 <i>Sphaerotheca humuli</i> (DC.) Burrill 1887 <i>Sphaerotheca macularis</i> (Ehrh.) Magnus 1899	Powdery mildew of hops
	<i>Podosphaera pannosa</i> (Wallr.) de Bary 1870 <i>Alphitomorpha pannosa</i> Wallr. 1819 <i>Erysiphe pannosa</i> (Wallr.) Schltldl. 1824 <i>Sphaerotheca pannosa</i> (Wallr.) Lév. 1851 <i>Oidium leucoconium</i> Desm. 1829 <i>Acrosporium leucoconium</i> (Desm.) Sumst. 1913 <i>Sphaerotheca pannosa</i> var. <i>persicae</i> Woron. 1914 <i>Sphaerotheca persicae</i> (Woron.) Erikss. 1928 <i>Sphaerotheca pannosa</i> var. <i>rosae</i> Woron. 1914 <i>Eurotium rosarum</i> Grev. 1823	Powdery mildew of rose and <i>Prunus s.lat.</i>
<i>Godroniaceae</i> <i>Ascocalyx</i>	<i>Ascocalyx berenice</i> (Berk. & M.A. Curtis) Baschien 2014 <i>Fusisporium berenice</i> Berk. & M.A. Curtis 1875 <i>Bothrodiscus berenice</i> (Berk. & M.A. Curtis) J.W. Groves 1968 <i>Ascocalyx abietis</i> Naumov 1925 [1926] <i>Godronia abietis</i> (Naumov) Seaver 1945 <i>Fusarium berenice</i> (Berk. & M.A. Curtis) Sacc. 1886	Canker, branch dieback of pine

<i>Atropellis</i>	<i>Bothrodiscus pinicola</i> Shear 1907 <i>Atropellis pinicola</i> Zeller & Goodd. 1930	Canker of conifers
<i>Godronia</i>	<i>Godronia zelleri</i> Seaver 1945 <i>Godronia cassandrae</i> Peck 1885	Canker of blueberry, cranberry fruit rot
<i>Topospora</i>	<i>Godronia cassandrae</i> f. <i>ribicola</i> J.W. Groves 1965 <i>Godronia cassandrae</i> f. <i>vaccinii</i> J.W. Groves 1965 <i>Fusicoccum putrefaciens</i> Shear 1917 <i>Sphaeronaema radula</i> Berk. & M.A. Curtis 1874 <i>Rhynchophoma radula</i> (Berk. & M.A. Curtis) Sacc. 1884	
<i>Gremmeniella</i> ^(TUB2)	<i>Gremmeniella abietina</i> (Lagerb.) M. Morelet 1969	Branch dieback of pine, Scleroderris canker of conifers
<i>Brunchorstia</i>	<i>Crumenula abietina</i> Lagerb. 1913 <i>Lagerbergia abietina</i> (Lagerb.) J. Reid ex Dennis 1971 <i>Brunchorstia destruens</i> Erikss. 1891 <i>Crumenula pinea</i> Ferd. & C.A. Jørg. 1939 <i>Septoria pinea</i> P. Karst. 1884 <i>Brunchorstia pinea</i> (P. Karst.) Höhn. 1915 <i>Excipulina pinea</i> (P. Karst.) Höhn. 1903	
<i>Grovesiella</i>	<i>Grovesiella abieticola</i> (Zeller & Goodd.) M. Morelet & Gremmen 1969 <i>Scleroderris abieticola</i> Zeller & Goodd. 1930 <i>Godronia abieticola</i> (Zeller & Goodd.) Seaver 1951 <i>Pitostroma abietinum</i> Kowalski & Sieber 1992	Canker, branch dieback of fir
<i>Hamatocanthoscyphaceae</i>		
<i>Gremmenia</i> ^(RPB2)	<i>Gremmenia abietis</i> (Dearn.) Crous 2014 <i>Phacidium infestans</i> var. <i>abietis</i> Dearn. 1926	Snow blight of conifers
<i>Helotiaceae</i>		
<i>Gloeotinia</i>	<i>Gloeotinia temulenta</i> (Prill. & Delacr.) M. Wilson et al. 1954	Blind seed disease of grasses
<i>Endoconidium</i>	<i>Phialea temulenta</i> Prill. & Delacr. 1892 <i>Ciboria temulenta</i> (Prill. & Delacr.) Prill. & Delacr. 1893 <i>Sclerotinia temulenta</i> (Prill. & Delacr.) Rehm 1903 <i>Stromatinia temulenta</i> (Prill. & Delacr.) Prill. & Delacr. 1897 <i>Hymenoscyphus temulentus</i> (Prill. & Delacr.) Kuntze 1898 <i>Phialia mucosa</i> E.G. Gray 1942 <i>Sclerotinia secalincola</i> Rehm 1900 <i>Endoconidium temulentum</i> Prill. & Delacr. 1892	
<i>Hymenoscyphus</i> ^(RPB2, TUB2)	<i>Hymenoscyphus fraxineus</i> (T. Kowalski) Baral et al. 2014 <i>Chalara fraxinea</i> T. Kowalski 2006 <i>Hymenoscyphus pseudoalbidus</i> V. Queloz et al. 2011	Ash dieback
<i>Lachnaceae</i>		
<i>Lachnellula</i> ^(RPB2)	<i>Lachnellula willkommii</i> (R. Hartig) Dennis 1962 <i>Peziza willkommii</i> Hartig 1874	Larch canker

	<i>Dasyscyphus willkommii</i> (R. Hartig) Rehm 1881	
	<i>Helotium willkommii</i> (Hartig) Wettst. 1887	
	<i>Lachnella willkommii</i> (Hartig) Seaver 1951	
	<i>Trichoscypha willkommii</i> (Hartig) Boud. 1907	
	<i>Trichoscyphella willkommii</i> (R. Hartig) Nannf. 1932	
<i>Ploettnerulaceae</i>		
<i>Cadophora</i> ^(TEF1, TUB2)	<i>Cadophora gregata</i> (Allington & D.W. Chamb.) T.C. Harr. & McNew 2003	Brown stem rot of soybean and other legumes
	<i>Cephalosporium gregatum</i> Allington & D.W. Chamb. 1948	
	<i>Phialophora gregata</i> (Allington & D.W. Chamb.) W. Gams 1971	
<i>Mastigosporium</i>	<i>Mastigosporium album</i> Riess 1863	Leaf spots of grasses, purple eyespot
	<i>Bactridium album</i> (Riess) Bonord. 1862	
	<i>Excipulina graminum</i> P. Karst. 1887	
	<i>Mastigosporium graminum</i> (P. Karst.) Nag Raj 1979	
	<i>Pestalozzina soraueriana</i> Sacc. 1894	
<i>Oculimacula</i> ^(ACT, RPB1, RPB2, TEF1)	<i>Oculimacula aciformis</i> (Nirenberg) Y. Marín & Crous 2017	Eyespot of wheat
	<i>Pseudocercospora herpotrichoides</i> var. <i>aciformis</i> Nirenberg 1981	
	<i>Ramulispora herpotrichoides</i> var. <i>aciformis</i> (Nirenberg) Boerema et al. 1992	
	<i>Tapesia yallundae</i> var. <i>aciformis</i> Boerema, et al. 1992	
	<i>Ramulispora aciformis</i> (Nirenberg) Crous 1995	
	<i>Tapesia aciformis</i> (Boerema et al.) Crous 1995	
	<i>Helgardia aciformis</i> (Nirenberg) Crous & W. Gams 2003	
	<i>Oculimacula aciformis</i> (Boerema et al.) Crous & W. Gams 2003	
	<i>Oculimacula yallundae</i> (Wallwork & Spooner) Crous & W. Gams 2003	Eyespot of wheat
	<i>Tapesia yallundae</i> Wallwork & Spooner 1988	
	<i>Cercospora herpotrichoides</i> Fron 1912	
	<i>Pseudocercospora herpotrichoides</i> (Fron) Deighton 1973	
	<i>Helgardia herpotrichoides</i> (Fron) Crous & W. Gams 2003	
	<i>Ramulispora herpotrichoides</i> (Fron) Arx 1983	
<i>Pyrenopeziza</i>	<i>Pyrenopeziza brassicae</i> B. Sutton & Rawl. 1979 [1978]	Light leaf spot of winter oilseed rape (<i>Brassica</i>)
<i>Cylindrosporium</i>	<i>Cylindrosporium concentricum</i> Grev. 1822	
	<i>Gloeosporium concentricum</i> (Grev.) Berk. & Broome 1850	
	<i>Cylindrodochium concentricum</i> (Grev.) Bonord.	
<i>Rhynchosporium</i> ^(TEF1, TUB2)	<i>Rhynchosporium secalis</i> (Oudem.) Davis 1919	Leaf blotch of cereals
	<i>Marssonina secalis</i> Oudem. 1897	
	<i>Marssonina secalis</i> (Oudem.) Magnus 1906	
<i>Sclerotiniaceae</i>		
<i>Botrytis</i> ^(GAPDH, HSP60, NEP1, NEP2, RPB2)	<i>Botrytis aclada</i> Fresen. 1850	Neck rot of onions
	<i>Botrytis allii</i> Munn 1917	
<i>Botrytinia</i>		

	<i>Botrytis cinerea</i> Pers. 1794	Botrytis rot, grey mold, stem rot, seedling wilt, fruit rot
	<i>Botrytis cinerea</i> f. <i>cinerea</i> Pers. 1794	
	<i>Botrytis citricola</i> Brizi 1903	
	<i>Botrytis diospyri</i> Brizi 1901	
	<i>Botrytis fuckeliana</i> N.F. Buchw. 1949	
	<i>Peziza fuckeliana</i> de Bary 1869	
	<i>Botryotinia fuckeliana</i> (de Bary) Whetzel 1945	
	<i>Sclerotinia fuckeliana</i> (de Bary) Fuckel 1884	
	<i>Botrytis vulgaris</i> Link 1832	
	<i>Botrytis fabae</i> Sardiña 1933	Chocolate leaf spot, grey mold, shoot blight.
	<i>Botryotinia fabae</i> J.Y. Lu & T.H. Wu 1991	
	<i>Rhizoctonia leguminicola</i> Gough & E.S. Elliott 1956	
	<i>Botrytis porri</i> N.F. Buchw. 1949	Neck rot of onions (<i>Allium</i>)
	<i>Sclerotinia porri</i> J.F.H. Beyma 1927	
	<i>Botryotinia porri</i> (J.F.H. Beyma) Whetzel 1947	
	<i>Botrytis squamosa</i> J.C. Walker 1925	Leaf and neck rot of onions (<i>Allium</i>)
	<i>Botryotinia squamosa</i> Vienn.-Bourg. 1953	
	<i>Sclerotinia squamosa</i> (Vienn.-Bourg.) Dennis 1956	
<i>Ciboria</i> ^(ACT, TUB2)	<i>Ciboria carunculoides</i> (Siegler & Jenk.) Whetzel 1945	Popcorn disease of <i>Morus</i>
	<i>Sclerotinia carunculoides</i> Siegler & Jenk. 1923	
<i>Ciborinia</i>	<i>Ciborinia camelliae</i> L.M. Kohn 1979	Petal blight of <i>Camellia</i>
	<i>Sclerotinia camelliae</i> Hara 1940	
<i>Cristulariella</i>	<i>Cristulariella depraedans</i> (Cooke) Höhn. 1916	Gray mold spot, sycamore leaf spot or bull's eye spot
<i>Nervostroma</i>	<i>Polyactis depraedans</i> Cooke 1885	
	<i>Botrytis depraedans</i> (Cooke) Sacc. 1886	
	<i>Myrioconium depraedans</i> (Cooke) Arx 1970	
	<i>Nervostroma depraedans</i> Narumi & Y. Harada 2006	
	<i>Illosporium diedickeanum</i> Sacc. 1908	
<i>Monilinia</i> ^(TEF1)	<i>Monilinia fructicola</i> (G. Winter) Honey 1928	Brown rot of apple, pear, cherry
	<i>Ciboria fructicola</i> G. Winter 1883	
	<i>Sclerotinia fructicola</i> (G. Winter) Rehm 1906	
	<i>Sclerotinia americana</i> Norton & Ezekiel 1924	
	<i>Monilia cinerea</i> f. <i>americana</i> Wormald 1919	
	<i>Monilia fructicola</i> Batra 1991	
	<i>Stromatinia fructigena</i> Ritz. Bos 1904	
	<i>Monilinia fructigena</i> Honey ex Whetzel 1945	Brown rot of apple, pear, cherry
	<i>Oospora candida</i> Wallr. 1833	
	<i>Monilia fructigena</i> Pers. 1801	
	<i>Acrosporium fructigenum</i> (Pers.) Pers. 1822	
	<i>Oospora fructigena</i> (Pers.) Wallr. 1833	

	<i>Sclerotinia fructigena</i> (Pers.) J. Schröt. 1893	
	<i>Torula fructigena</i> Pers. 1796	
	<i>Oidium fructigenum</i> Kunze & J.C. Schmidt 1817	
	<i>Oidium wallrothii</i> Thüm. 1875	
	<i>Monilinia laxa</i> (Aderh. & Ruhland) Honey 1945	Wilt, blight, canker, brown fruit rot.
	<i>Sclerotinia laxa</i> Aderh. & Ruhland 1905	Overwinters in mummified fruits
	<i>Stromatinia laxa</i> (Aderh. & Ruhland) Chiffhot 1921	
	<i>Sclerotinia cerasi</i> Woronin 1895	
	<i>Stromatinia cerasi</i> (Woronin) Boud. 1907	
	<i>Monilia cinerea</i> Bonord. 1851	
	<i>Sclerotinia cinerea</i> (Bonord.) J. Schröt.	
	<i>Oidium laxum</i> Ehrenb. 1818	
	<i>Monilia laxa</i> (Ehrenb.) Sacc. & Voglino 1886	
	<i>Acrosporium laxum</i> (Ehrenb.) Pers. 1822	
	<i>Oospora laxa</i> (Ehrenb.) Wallr. 1833	
	<i>Monilia oregonensis</i> Barss 1923	
	<i>Monilinia oxycocci</i> (Woronin) Honey 1936	Hard rot of cranberry
	<i>Sclerotinia oxycocci</i> Woronin 1888	
	<i>Monilinia vaccinii-corymbosi</i> (J.M. Reade) Honey 1936	Leaf and shoot blight; mummified fruits
	<i>Sclerotinia vaccinii-corymbosi</i> J.M. Reade 1908	
	<i>Monilia vaccinii-corymbosi</i> J.M. Reade 1908	
<i>Ovulinia</i>	<i>Ovulinia azaleae</i> Weiss 1940	Blight of <i>Azalea</i> , <i>Kalmia</i>
<i>Ovulitis</i>	<i>Sclerotinia azaleae</i> (Weiss) Dennis 1956	
	<i>Ovulitis azaleae</i> N.F. Buchw. 1970	
<i>Sclerotinia</i> ^(cmdA, MCM7)	<i>Sclerotinia sclerotiorum</i> (Lib.) de Bary 1884	White mold of many hosts
	<i>Peziza sclerotiorum</i> Lib. 1837	
	<i>Helotium sclerotiorum</i> (Lib.) Fuckel 1866	
	<i>Hymenoscyphus sclerotiorum</i> (Lib.) W. Phillips 1887	
	<i>Phialea sclerotiorum</i> (Lib.) Gillet 1881	
	<i>Whetzelinia sclerotiorum</i> (Lib.) Korf & Dumont 1972	
	<i>Sclerotinia caudata</i> Velen. 1947	
	<i>Sclerotinia ficariae</i> Rehm 1893	
	<i>Sclerotinia galeopsidis</i> Velen. 1934	
	<i>Sclerotinia henningsiana</i> Kirschst. 1918	
	<i>Rutstroemia homocarpa</i> P. Karst. 1871	
	<i>Peziza kauffmanniana</i> Tikhom. 1868	
	<i>Sclerotinia libertiana</i> Fuckel 1870	
	<i>Sclerotinia matthiolae</i> Lendn. 1917	
	<i>Sclerotinia moelleriana</i> Henn. 1902	
	<i>Sclerotinia opuntiarum</i> Speg. 1900	

	<i>Sclerotium opuntiarum</i> Speg. 1899	
	<i>Sclerotinia postuma</i> Berk. & A.S. Wilson 1883	
	<i>Sclerotinia riograndensis</i> Rick 1931	
	<i>Sclerotinia sclerotiorum</i> f. <i>orobanches</i> Naras. & Thirum. 1954	
	<i>Sclerotinia sclerotiorum</i> var. <i>opuntiarum</i> (Speg.) Alippi 1960	
	<i>Sclerotium varium</i> Pers. 1801	
	<i>Sclerotinia wisconsinensis</i> Rehm 1908	
	<i>Sclerotinia xanthorrhoeae</i> G.W. Beaton & Weste 1977	
<i>Septotinia</i>	<i>Septotinia populiperda</i> Waterman et al. 1980	Leaf blotch of poplar
<i>Septotis</i>	<i>Septogloeum populiperdum</i> Moesz & Smarods 1932	
	<i>Septotis populiperda</i> (Moesz & Smarods) B. Sutton 1980	
<i>Leotiales</i>		
<i>Tympanidaceae</i>		
<i>Durandiella</i>	<i>Durandiella pseudotsugae</i> Funk 1962	Dime canker of Douglas-fir
	<i>Chondropodium pseudotsugae</i> W.L. White 1936	
	<i>Corniculariella pseudotsugae</i> (W.L. White) DiCosmo 1978	
<i>Pragmopora</i>	<i>Pragmopora pithya</i> (Fr.) J.W. Groves 1967	Canker of conifers
<i>Pragmopycnis</i>	<i>Excipula pithya</i> Fr. 1822	
	<i>Pragmopycnis pithya</i> B. Sutton & Funk 1975	
<i>Mediolariales</i>		
<i>Mediolariaceae</i>		
<i>Mediolaria</i>	<i>Medeolaria farlowii</i> Thaxt. 1922	Causes deformity of <i>Medeola</i> (<i>Liliaceae</i>)
<i>Phacidiales</i>		
<i>Phacidiaceae</i>		
<i>Allantophomopsiella</i> ^(RPB2)	<i>Allantophomopsiella pseudotsugae</i> (M. Wilson) Crous 2014	Canker and dieback
	<i>Phomopsis pseudotsugae</i> M. Wilson 1920	
	<i>Allantophomopsis pseudotsugae</i> (M. Wilson) Nag Raj 1993	
	<i>Phacidiopycnis pseudotsugae</i> (M. Wilson) G.G. Hahn 1957	
	<i>Phacidiella coniferarum</i> Hahn 1957	
	<i>Phacidium coniferarum</i> (Hahn) DiCosmo et al. 1983	
	<i>Potebniamyces coniferarum</i> (Hahn) Smerlis 1962	
	<i>Ligniella pinicola</i> Naumov 1926	
	<i>Discula pinicola</i> (Naumov) Petr. 1928	
	<i>Discula pinicola</i> var. <i>mammosa</i> Lagerb. et al. 1928	
	<i>Phacidium pulverulentum</i> J.C. Schmidt 1817	
	<i>Phomopsis strobis</i> Syd. 1922	
<i>Allantophomopsis</i> ^(TEF1)	<i>Allantophomopsis cytispora</i> (Fr.) Petr. 1925	Snow blight
	<i>Sphaeria cytispora</i> Fr. 1823	
	<i>Ceuthospora lunata</i> Shear 1902	

<i>Darkera</i> ^(TEF1)	<i>Apostrasseria lunata</i> (Shear) Nag Raj 1983 <i>Darkera parca</i> H.S. Whitney et al. 1975 <i>Sphaeropsis parca</i> Berk. & Broome 1850 <i>Macrophoma parca</i> (Berk. & Broome) Berl. & Voglino 1886 <i>Tiarosporella parca</i> (Berk. & Broome) H.S. Whitney, J. Reid & Piroz. 1975	Needle blight, needle cast
<i>Phacidium</i> ^(RPB2) <i>Ceuthospora</i>	<i>Phacidium lauri</i> (Sow.) Crous & Hawksw. 2014 <i>Sphaeria lauri</i> Sowerby 1803 <i>Cryptosphaeria lauri</i> (Sow.) Grev. 1824 <i>Ceuthospora lauri</i> Grev. 1826 <i>Xyloma multivalve</i> DC. 1805 <i>Phacidium multivalve</i> (DC.) J.C. Schmidt 1817 <i>Phacidiosstroma multivalve</i> (DC.) Höhn. 1917 <i>Ceuthospora phacidioides</i> Grev. 1827	Leaf spots and fruit rot
<i>Strasseria</i> ^(RPB2, TEF1, TUB2)	<i>Strasseria geniculata</i> (Berk. & Broome) Höhn. 1919 <i>Phoma geniculata</i> (Berk. & Broome) Sacc. 1884 <i>Sphaeropsis geniculata</i> Berk. & Broome 1850 <i>Allantophoma nematospora</i> Kleb. 1933	Black rot of apple
Rhytismatales <i>Ascodichaenaceae</i> <i>Ascodichaena</i> <i>Polymorphum</i>	<i>Ascodichaena rugosa</i> Butin 1977 <i>Lichen rugosus</i> L. 1753 <i>Dichaena rugosa</i> (L.) Fr. 1849 <i>Opegrapha quercina</i> Pers. 1794 <i>Polymorphum quercinum</i> (Pers.) Chev. 1822 <i>Dichaena quercina</i> (Pers.) Sacc. 1883	Black bark scab of beech
<i>Cenangiaceae</i> <i>Fabrella</i>	<i>Fabrella tsugae</i> (Farl.) Kirschst. 1941 <i>Stictis tsugae</i> Farl. 1883 <i>Didymascella tsugae</i> (Farl.) Maire 1927 <i>Keithia tsugae</i> (Farl.) E.J. Durand 1913 <i>Propolidium tsugae</i> (Farl.) Sacc. 1889	Needlecast, blight
<i>Rhytismataceae</i> <i>Bifusella</i>	<i>Bifusella linearis</i> (Peck) Höhn. 1917 <i>Rhytisma lineare</i> Peck 1871 [1873] <i>Hypoderma lineare</i> (Peck) Thüm. 1878 <i>Lophodermium lineare</i> (Peck) Ellis & Everh. 1892	Bifusella blight, tar spot needle cast, needle blight of 5-needle pines
<i>Davisomycella</i>	<i>Davisomycella ampla</i> (Davis) Darker 1967 <i>Hypodermella ampla</i> (Davis) Darker 1924 <i>Lophodermium amplum</i> (Davis) Davis 1919	Needle cast of pine

<i>Elytroderma</i>	<i>Elytroderma deformans</i> (Weir) Darker 1932 <i>Hypoderma deformans</i> Weir 1916	Dieback and witches' broom of hard pines
<i>Hypodermella</i>	<i>Hypodermella laricis</i> Tubeuf 1895 <i>Leptothyrella laricis</i> Dearn. 1928 <i>Hypodermella laricis</i> var. <i>octospora</i> Dearn. 1926	Needle blight of larch
<i>Isthmiella</i>	<i>Isthmiella abietis</i> (Dearn.) Darker 1967 <i>Bifusella abietis</i> Dearn. 1926	Needle blight of true fir
<i>Lirula</i>	<i>Lirula nervisequa</i> (DC.) Darker 1967 <i>Hysterium nervisequum</i> DC. 1815 <i>Lirula nervisequia</i> var. <i>conspicua</i> Darker 1967	Needle blight of true fir, spruce
<i>Lophodermella</i>	<i>Lophodermella sulcigena</i> (Rostr.) Höhn. 1917 <i>Hypodermium sulcigenus</i> Link 1824 <i>Hypodermella sulcigena</i> (Rostr.) Tubeuf 1895 <i>Hypoderma pinicola</i> Brunch. 1893 [1892]	Lophodermella needle casts of pine
<i>Lophodermium</i> ^(ACT)	<i>Lophodermium seditiosum</i> Minter et al. 1978 <i>Leptostroma austriacum</i> Oudem. 1904 <i>Depazea linearis</i> Rostr. 1883 <i>Leptostroma rostrupii</i> Minter 1980	Needle cast on pine
<i>Meloderma</i>	<i>Meloderma desmazieri</i> (Duby) Darker 1967 <i>Hypoderma desmazieresii</i> Duby 1861 <i>Lophodermium brachysporum</i> Rostr. 1883 <i>Hypoderma brachysporum</i> (Rostr.) Tubeuf 1895 <i>Leptostroma strobicola</i> Hilitzer 1929	Needle blight of soft pines
<i>Phacidiopycnis</i> ^(TUB)	<i>Phacidiopycnis pyri</i> (Fuckel) Weindlm. 1965 <i>Cytospora pyri</i> Fuckel 1860 <i>Cryptosporiopsis pyri</i> (Fuckel) Petr. 1923 <i>Discosporiopsis pyri</i> (Fuckel) Petr. 1921 <i>Discosporium pyri</i> (Fuckel) Höhn. 1915 <i>Discula pyri</i> (Fuckel) Höhn. 1926 <i>Myxosporium pyri</i> (Fuckel) Fuckel 1870 <i>Phacidium discolor</i> Mouton & Sacc. 1889 <i>Phacidiella discolor</i> (Mouton & Sacc.) Potebnia 1912 <i>Potebniamyces discolor</i> (Mouton & Sacc.) Smerlis 1911 <i>Stictis lecanora</i> var. <i>pyri</i> Berk. & Broome 1876 <i>Potebniamyces pyri</i> (Berk. & Broome) Dennis 1978 <i>Propolis pyri</i> (Berk. & Broome) W. Phillips 1887 <i>Phacidiopycnis malorum</i> Potebnia 1912	Canker and fruit storage rot, speck rot and Phacidiopycnis rot
<i>Ploioderma</i>	<i>Ploioderma lethale</i> (Dearn.) Darker 1967 <i>Hypoderma lethale</i> Dearn. 1926	Needle cast of southern pine
<i>Rhytisma</i>	<i>Rhytisma acerinum</i> (Pers.) Fr. 1819	Tar spot of maple

<i>Melasmia</i>	<i>Xyloma acerinum</i> Pers. 1794 <i>Melasmia acerina</i> Lév. 1846 <i>Rhytisma punctatum</i> (Pers.) Fr. 1823 <i>Xyloma punctatum</i> Pers. 1800 <i>Melasmia punctata</i> Sacc. & Roum. 1882	Punctate tar spot of maple
<i>Therrya</i>	<i>Therrya fuckelii</i> (Rehm) Kujala 1950 <i>Coccophacidium pini</i> var. <i>fuckelii</i> Rehm 1888	On branches of conifers
<i>Pezizomycetes</i>		
<i>Pezizales</i>		
<i>Caloscyphaceae</i>		
<i>Caloscypha</i>	<i>Caloscypha fulgens</i> (Pers.) Boud. 1885 <i>Peziza fulgens</i> Pers. 1822 <i>Geniculodendron pyriforme</i> G.A. Salt 1974	Conifer seed rot, pre-emergence damping off
<i>Geniculodendron</i>		
<i>Rhizinaceae</i>		
<i>Phymatotrichopsis</i> ^(RPB2)	<i>Phymatotrichopsis omnivora</i> (Shear) Hennebert 1973 <i>Ozonium omnivorum</i> Shear 1907 <i>Phymatotrichum omnivorum</i> (Shear) Duggar 1916	Root rot
<i>Phymatotrichum</i>		
<i>Rhizina</i>	<i>Rhizina undulata</i> Fr. 1815	Rhizina root disease of conifers
<i>Sarcosomataceae</i>		
<i>Urnula</i>	<i>Urnula craterium</i> (Schwein.) Fr. 1851 <i>Peziza craterium</i> Schwein. 1822 <i>Strumella coryneoidea</i> Sacc. & G. Winter 1883 <i>Trichoderma globosum</i> Schwein. 1822 <i>Conoplea globosa</i> (Schwein.) S. Hughes 1958 <i>Streptothrix globosa</i> (Schwein.) S. Hughes 1953 <i>Cladosporium polysporum</i> Link 1824	Canker of oak
<i>Strumella</i>		
<i>Saccharomycetes</i>		
<i>Saccharomycetales</i>		
<i>Dipodascaceae</i>		
<i>Geotrichum</i>	<i>Geotrichum candidum</i> Link 1809 <i>Endomyces geotrichum</i> E.E. Butler & L.J. Petersen 1972 <i>Galactomyces geotrichum</i> (E.E. Butler & L.J. Petersen) Redhead & Malloch 1977 <i>Dipodascus geotrichum</i> (E.E. Butler & L.J. Petersen) Arx 1977 <i>Oospora lactis</i> (Fresen.) Sacc. 1886 <i>Oospora lactis</i> var. <i>parasitica</i> Pritchard & Porte 1923 <i>Galactomyces candidum</i> de Hoog & M.T. Sm. 2004	Fruit rot, tomato, peach, citrus
<i>Galactomyces</i>		
<i>Eremotheciaceae</i>		
<i>Eremothecium</i>	<i>Eremothecium coryli</i> (Peglion) Kurtzman 1995 <i>Nematospora coryli</i> Peglion 1901	Stigmatomycosis of beans, citrus, mustard, tomato, and various nuts

	<i>Eremothecium gossypii</i> (S.F. Ashby & Nowell) Kurtzman 1995	Stigmatomycosis, internal boll rot of cotton
	<i>Nematospora gossypii</i> S.F. Ashby & W. Nowell 1926	
	<i>Ashbya gossypii</i> (S.F. Ashby & W. Nowell) Guilliermond 1928	
	<i>Spermophthora gossypii</i> S.F. Ashby & W. Nowell 1926	
<i>Sordariomycetes</i>		
<i>Amphisphaeriales</i>		
<i>Amphisphaeriaceae</i>		
<i>Microdochium</i> ^(RPB2, TUB2)	<i>Microdochium nivale</i> (Fr.) Samuels & I.C. Hallett 1983	Pink snow mold of turf grasses
	<i>Lanosa nivalis</i> Fr. 1849	
	<i>Fusarium nivale</i> (Fr.) Sorauer 1901	
	<i>Calonectria nivalis</i> Schaffnit 1913	
	<i>Griphosphaeria nivalis</i> (Schaffnit) E. Müll. & Arx 1955	
	<i>Micronectriella nivalis</i> (Schaffnit) C. Booth 1971	
	<i>Monographella nivalis</i> (Schaffnit) E. Müll. 1977	
	<i>Fusarium nivale</i> Ces. ex Berl. & Voglino 1901	
	<i>Gerlachia nivalis</i> (Ces. ex Berl. & Voglino) W. Gams & E. Müll. 1980	
	<i>Microdochium panattonianum</i> (Berl.) B. Sutton et al. 1986	Lettuce ring rot, lettuce anthracnose
	<i>Marssonina panattoniana</i> Berl. 1895	
	<i>Marssonina panattoniana</i> (Berl.) Magnus 1906	
	<i>Marssonina perforans</i> Ellis & Everh. 1896	
<i>Sporocadaceae</i>		
<i>Pestalotiopsis</i> ^(TEF1, TUB2)	<i>Pestalotiopsis disseminata</i> (Thüm.) Steyaert 1949	Leaf spots and blights on various plant families. North America (USA: FL, VA), Caribbean, South America (Venezuela), Europe (Portugal), Asia, Africa
<i>Pestalospaeria</i>	<i>Pestalotia disseminata</i> Thüm. 1880	
	<i>Pestalotiopsis funerea</i> (Desm.) Steyaert 1949	Leaf and stem blights, cankers, dieback, root rot. On many families especially conifers; Cosmopolitan
	<i>Pestalotia funerea</i> Desm. 1843	Foliage blight of arborvitae
<i>Seimatosporium</i>	<i>Seimatosporium berckmansii</i> (Milbrath) B. Sutton 1975	
<i>Discostoma</i>	<i>Coryneum berckmansii</i> Milbrath 1940	
	<i>Seimatosporium salicinum</i> (Corda) Nag Raj 1993	Leaf spot, post-harvest fruit rot
	<i>Didymosporium salicinum</i> Corda 1837	
	<i>Coryneum salicinum</i> (Corda) Sacc. 1884	
	<i>Sporocadus caudata</i> Preuss 1851	
	<i>Seimatosporium caudatum</i> (Preuss) Shoemaker 1964	
	<i>Cryptostictis caudata</i> (Preuss) Sacc. 1884	
	<i>Hendersonia foliorum</i> Fuckel 1870	
	<i>Coryneum foliorum</i> (Fuckel) Petr. 1920	
	<i>Leptocoryneum foliorum</i> (Fuckel) Petr. 1925	

	<i>Pestalotia hendersonioides</i> Fautrey 1893	
	<i>Monochaetia hendersonioides</i> (Fautrey) Sacc. 1902	
	<i>Cryptostictis hendersonioides</i> (Fautrey) Guba 1961	
	<i>Cryptostictis ludibunda</i> Vestergr. 1897	
	<i>Basipilus moravicus</i> (Petr.) Subram. 1961	
	<i>Hendersonia ribis-alpini</i> Fautrey 1892	
	<i>Seimatosporium ribis-alpini</i> (Fautrey) Shoemaker & E. Müll. 1964	
	<i>Monochaetia rubi</i> Lebezh. 1959	
<i>Seiridium</i> ^(RPB2, TEF1, TUB2)	<i>Seiridium cardinale</i> (W.W. Wagener) B. Sutton & I.A.S. Gibson 1972	Canker of <i>Cupressaceae</i>
<i>Lepteutypa</i>	<i>Coryneum cardinale</i> W.W. Wagener 1939	
	<i>Seiridium cupressi</i> (Guba) Boesew. 1983	Canker of <i>Cupressaceae</i>
	<i>Cryptostictis cupressi</i> Guba 1961	
	<i>Rhynchospaeria cupressi</i> Nattrass et al. 1963	
	<i>Lepteutypa cupressi</i> (Nattrass et al.) H.J. Swart 1973	
	<i>Pestalotia unicornis</i> Cooke & Ellis 1878	
	<i>Monochaetia unicornis</i> (Cooke & Ellis) Sacc. 1906	
	<i>Seiridium unicorne</i> (Cooke & Ellis) B. Sutton 1975	Canker of <i>Cupressaceae</i>
	<i>Pestalotia unicornis</i> Cooke & Ellis 1878	
	<i>Monochaetia unicornis</i> (Cooke & Ellis) Sacc. & D. Sacc. 1906	
Diaporthales		
<i>Cryphonectriaceae</i>		
<i>Amphilogia</i> ^(RPB2, TEF1)	<i>Amphilogia gyrosa</i> (Berk. & Broome) Gryzenh. et al. 2005	Canker of oaks and other hardwoods
	<i>Nectria gyrosa</i> Berk. & Broome 1876	
	<i>Cryphonectria gyrosa</i> (Berk. & Broome) Sacc. & D. Sacc. 1905	
	<i>Cucurbitaria gyrosa</i> (Berk. & Broome) Kuntze 1898	
	<i>Endothia tropicalis</i> Shear & N.E. Stevens 1917	
<i>Chrysosporthe</i> ^(TUB2)	<i>Chrysosporthe cubensis</i> (Bruner) Gryzenh. & M.J. Wingf. 2004	Canker and dieback of <i>Eucalyptus</i> and other genera of <i>Myrtaceae</i>
	<i>Diaporthe cubensis</i> Bruner 1917	
	<i>Cryphonectria cubensis</i> (Bruner) Hodges 1980	
	<i>Cryptosporella eugeniae</i> Nutman & F.M. Roberts 1952	
	<i>Endothia eugeniae</i> (Nutman & F.M. Roberts) J. Reid & C. Booth 1969	
<i>Cryphonectria</i> ^(TUB2)	<i>Cryphonectria parasitica</i> (Murrill) M.E. Barr 1978	Chestnut blight
	<i>Diaporthe parasitica</i> Murrill 1906	
	<i>Endothia gyrosa</i> var. <i>parasitica</i> (Murrill) Clinton 1912	
	<i>Endothia parasitica</i> (Murrill) P.J. Anderson & H.W. Anderson 1912	
	<i>Valsonectria parasitica</i> (Murrill) Rehm 1907	
	<i>Endothiella parasitica</i> Roane 1986	
<i>Cytosporaceae</i>		

Cytospora^(ACT, RPB2)
Leucostoma
Valsa

***Cytospora abietis* Sacc. 1884**
Valsa abietis Fr. 1849

Canker, dieback of *Cupressaceae* and *Pinaceae*

***Cytospora leucostoma* (Pers.) Sacc. 1881**
Sphaeria leucostoma Pers. 1794
Valsa leucostoma (Pers.) Fr. 1849
Valsa persoonii Nitschke 1870
Leucostoma persoonii (Nitschke) Höhn. 1928

Wound pathogen, causing mass wilting of branches and dieback of young trees, canker

Diaporthaceae
Diaporthe^(cmdA, HIS3, TEF1, TUB2)
Phomopsis

***Diaporthe citri* (H.S. Fawc.) F.A. Wolf 1926**
Phomopsis citri H.S. Fawc. 1912
Phomopsis caribaea W.T. Horne 1922
Diaporthe citrincola Rehm 1914

Canker disease of *Citrus*

***Diaporthe helianthi* Munt.-Cvetk. et al. 1981**
Phomopsis helianthi Munt.-Cvetk. et al. 1981

Canker disease of sunflower

***Diaporthe perniciosa* Marchal & E.J. Marchal 1921**

Phomopsis canker, fruit decay and rough bark

***Diaporthe phaseolorum* (Cooke & Ellis) Sacc. 1882**
Sphaeria phaseolorum Cooke & Ellis 1878
Diaporthe batatas Harter & E.C. Field 1912
Diaporthe phaseolorum var. *batatatis* (Harter & E.C. Field) Wehm. 1933

Stem canker, blight, and pod rot of soybeans and other legumes

***Diaporthe vaccinii* Shear 1931**
Phomopsis vaccinii Shear 1931

Stem and twig blight, canker, leaf spot, fruit rot of blueberry and cranberry
 Tipover disease of eggplant

***Diaporthe vexans* (Sacc. & P. Syd.) Gratz 1942**
Phoma vexans Sacc. & P. Syd. 1899

Gnomoniaceae
Anisogramma

***Anisogramma anomala* (Peck) E. Müll. 1962**
Diatrype anomala Peck 1876
Apioportha anomala (Peck) Höhn. 1917
Cryptosporella anomala (Peck) Sacc. 1882

Canker of hazel

Apiognomonina

***Apiognomonina errabunda* (Roberge ex Desm.) Höhn. 1918**
Sphaeria errabunda Roberge ex Desm. 1848
Gnomonia errabunda (Roberge ex Desm.) Auersw. 1869
Laestadia errabunda (Roberge ex Desm.) Rehm 1902
Sphaerella errabunda (Roberge ex Desm.) Auersw. 1869
Laestadia errabunda f. *tiliae* Rehm 1902
Apiognomonina tiliae (Rehm) Höhn. 1920
Gnomonia quercina Kleb. 1918
Apiognomonina quercina (Kleb.) Höhn. 1920
Gnomonia tiliae Kleb. 1918

Anthracnose of ash, oak, sycamore, dogwood

<i>Discula</i> ^(COX1)	<i>Discula destructiva</i> Redlin 1991	Dogwood anthracnose
<i>Ophiognomonina</i> ^(MS204, TEF1)	<i>Ophiognomonina clavignenti-juglandacearum</i> (N.B. Nair et al.) Broders & Boland 2010	Butternut canker
	<i>Sirococcus clavignenti-juglandacearum</i> N.B. Nair et al. 1979	
	<i>Ophiognomonina leptostyla</i> (Fr.) Sogonov 2008	Walnut canker
	<i>Sphaeria leptostyla</i> Fr. 1823	
	<i>Gnomonia leptostyla</i> (Fr.) Ces. & De Not. 1863	
	<i>Leptothyrium juglandis</i> Lib. 1832	
	<i>Marssonina juglandis</i> (Lib.) Magnus 1906	
	<i>Marssonina juglandis</i> (Lib.) Sacc. 1884	
	<i>Marssoniella juglandis</i> (Lib.) Höhn. 1916	
<i>Plagiostoma</i> ^(RPB2, TEF1, TUB2)	<i>Plagiostoma fraxini</i> (Redlin & Stack) Sogonov 2008	Ash anthracnose
<i>Dothichiza</i>	<i>Gnomoniella fraxini</i> Redlin & Stack 1988	
	<i>Gloeosporium fraxineus</i> Peck 1884	
	<i>Discula fraxinea</i> (Peck) Redlin & Stack 1988	
	<i>Plagiostoma populinum</i> (Fuckel) L.C. Mejía 2011	Dieback and canker of poplar
	<i>Cryptospora populina</i> Fuckel 1870	
	<i>Melanconium hyalinum</i> Ellis 1882	
	<i>Discosporium hyalinum</i> (Ellis) Höhn. 1915	
	<i>Myxosporium hyalinum</i> (Ellis) G. Winter 1886	
	<i>Diaporthe populea</i> Sacc. 1887	
	<i>Cryptodiaporthe populea</i> (Sacc.) Butin 1958 [1957]	
	<i>Dothichiza populea</i> Sacc. & Briard 1884	
	<i>Chondroplea populea</i> (Sacc. & Briard) Kleb. 1933	
	<i>Phoma populea</i> Sacc. 1878	
	<i>Discosporium populeum</i> (Sacc.) B. Sutton 1977	
	<i>Discula populea</i> (Sacc.) Höhn. 1915	
	<i>Dothiorella populea</i> (Sacc.) Sacc. 1884	
	<i>Cytospora populi</i> Oudem. 1889	
<i>Sirococcus</i> ^(ACT, cmdA, RPB2, TEF1, TUB2)	<i>Sirococcus conigenus</i> (DC.) P.F. Cannon & Minter 1983	Foliage and shoot blight of conifers
	<i>Hypoderma conigenum</i> DC. 1805	
	<i>Hypodermopsis conigena</i> (DC.) Kuntze 1898	
	<i>Phoma conophila</i> Sacc. 1892	
	<i>Ascochyta conorum</i> Henn. 1904	
	<i>Ascochyta piniperda</i> Lindau 1900	
	<i>Sphaeria strobilina</i> Holle & J.C. Schmidt ex Fr. 1823	
	<i>Fusarium strobilinum</i> Corda 1837	
	<i>Ascochyta strobilina</i> (Corda) Wollenw. 1916	
	<i>Sporonema strobilinum</i> Desm. 1852	
	<i>Plenodomus strobilinus</i> (Desm.) Höhn. 1910	

	<i>Discella strobilina</i> (Desm.) Died. 1914	
	<i>Sirococcus strobilinus</i> Preuss 1853	
	<i>Sirococcus piceicola</i> Rossman et al. 2008	Shoot blight of spruce
	<i>Sirococcus tsugae</i> Rossman et al. 2008	Shoot blight of hemlock
<i>Schizoparmaceae</i>		
<i>Coniella</i> ^(RPB2, TEF1)	<i>Coniella castaneicola</i> (Ellis & Everh.) B. Sutton 1980	White rot of grape
<i>Schizoparme</i>	<i>Gloeosporium castaneicola</i> Ellis & Everh. 1895	
<i>Pilidiella</i>	<i>Pilidiella castaneicola</i> (Ellis & Everh.) Arx 1957	
<i>Baeumleria</i>	<i>Phyllosticta castaneicola</i> Ellis & Everh. 1895	
<i>Anthasthoopa</i>	<i>Asteromella castaneicola</i> (Ellis & Everh.) Petr. 1957	
<i>Cyclodomella</i>	<i>Pilidiella quercicola</i> (Oudem.) Petr. 1927 [1926]	
<i>Embolidium</i>	<i>Schizoparme straminea</i> Shear 1923	
	<i>Coniella diplodiella</i> (Speg.) Petr. & Syd. 1927	White rot of vine; Coniella rot
	<i>Phoma diplodiella</i> Speg. 1878	
	<i>Coniothyrium diplodiella</i> (Speg.) Sacc. 1884	
	<i>Pilidiella diplodiella</i> (Speg.) Crous & van Niekerk 2004	
	<i>Coniella petrakii</i> B. Sutton 1980	
	<i>Coniella eucalyptorum</i> (Crous & M. J. Wingf.) L.V. Alvarez & Crous 2016	Leaf spot of <i>Eucalyptus</i>
	<i>Pilidiella eucalyptorum</i> Crous & M. J. Wingf. 2004	
	<i>Coniella granati</i> (Sacc.) Petrak & Sydow 1927	Rot of <i>Punica granatum</i>
	<i>Phoma granatii</i> Sacc. 1876	
	<i>Macrophoma granatii</i> (Sacc.) Berl. & Vogl. 1886	
	<i>Pilidiella granatii</i> (Sacc.) Aa 1972 [1973]	
	<i>Phoma versoniana</i> Sacc. 1881	
	<i>Zythia versoniana</i> (Sacc.) Sacc. 1884	
	<i>Anasthasthoopa simba</i> Subram. 1956	
	<i>Coniella simba</i> (Subram. & Ramakr.) Sutton 1969	
<i>Tubakiaceae</i>		
<i>Tubakia</i> ^(TEF1, TUB2)	<i>Tubakia americana</i> (Höhn.) T.C. Harr. & McNew 2017	Leaf spot of <i>Fagaceae</i>
	<i>Actinopelte americana</i> Höhn. 1925	
	<i>Tubakia californica</i> S. Rooney-Latham & U. Braun 2018	Leaf spot of <i>Fagaceae</i>
	<i>Tubakia chinensis</i> U. Braun et al. 2018	Leaf spot of <i>Fagaceae</i>
	<i>Tubakia dryina</i> (Sacc.) B. Sutton 1973	Leaf spot of <i>Fagaceae</i>
	<i>Leptothyrium dryinum</i> Sacc. 1878	
	<i>Actinopelte dryina</i> (Sacc.) Höhn. 1925	
	<i>Actinopelte americana</i> Höhn. 1925	
	<i>Leptothyrium castaneicola</i> Ellis & Everh. 1888	
	<i>Dicarpella dryina</i> Belisario & M.E. Barr 1991	
	<i>Actinothyrium gloeosporioides</i> Tehon 1924	

Leptothyrella liquidambaris Tehon & G.L. Stout 1929

Pirostoma nyssae Tehon 1924

***Tubakia dryinoides* C. Nakash. 2018**

***Tubakia hallii* T.C. Harr. & McNew 2017**

***Tubakia iowensis* T.C. Harr. & D. McNew 2012**

***Tubakia japonica* (Sacc.) B. Sutton 1973**

Actinopelte japonica Sacc. 1913

***Tubakia liquidambaris* (Tehon & Stout) T.C. Harr. & McNew 2017**

Leptothyriella liquidambaris Tehon 1929

***Tubakia macnabbii* T.C. Harr. & McNew 2017**

***Tubakia melnikiana* Marm. & U. Braun 2018**

***Tubakia paradryinoides* C. Nakash. 2018**

***Tubakia seoraksanensis* H.Y. Yun 2011**

***Tubakia sierrafriensis* O. Moreno-Rico & U. Braun 2018**

***Tubakia suttoniana* U. Braun & Crous 2018**

Dicarpella dryina Belisario & M.E. Barr 1991

***Tubakia tiffanyae* T.C. Harr. & McNew 2017**

Leaf spot of *Fagaceae*

Leaf spot of *Fagaceae*

Leaf spot of *Fagaceae*

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Leaf spot of *Fagaceae*

Leaf spot of *Fagaceae*

Leaf spot of *Fagaceae*

Leaf spot of *Fagaceae*

Glomerellales

Glomerellaceae

Colletotrichum^{(ACT, ApMat,}

APN2, CHS-1, cmdA, GAPDH, GS, HIS3,

SOD2, TUB2)

Glomerella

***Colletotrichum acutatum* J.H. Simmonds 1968**

Glomerella acutata Guerber & J.C. Correll 2001

Anthracnose, fruit rots, numerous diseases of many food crops

***Colletotrichum boninense* Moriwaki et al. 2003**

Anthracnose, fruit rots, numerous diseases of many food crops

***Colletotrichum coccodes* (Wallr.) S. Hughes 1958**

Chaetomium coccodes Wallr. 1833

Vermicularia atramentaria Berk. & Broome 1850

Colletotrichum atramentarium (Berk. & Broome) Taubenh. 1916

Colletotrichum biologicum Chaudhuri 1924

Gloeosporium phomoides Sacc. 1884

Colletotrichum phomoides (Sacc.) Chesters & A. Bell 1894

***Colletotrichum dematium* (Pers.) Grove 1918**

Sphaeria dematium Pers. 1801

Exosporium dematium (Pers.) Link 1825

Lasiella dematium (Pers.) Quél. 1875

Vermicularia dematium (Pers.) Fr. 1849?

Vermicularia compacta Cooke & Ellis 1876

Vermicularia dianthi Westend. 1867

Vermicularia eryngii Desm. 1831

Anthracnose on tomato and black dot disease of potato

Anthracnose

- Colletotrichum eryngii* (Desm.) Duke 1928
Colletotrichum omnivorum Halst. 1891
Vermicularia omnivora (Halst.) Vassiljevsky 1950
***Colletotrichum gloeosporioides* (Penz.) Penz. & Sacc. 1884** Anthracnose
Vermicularia gloeosporioides Penz. 1882
Gloeosporium mangiferae Racib. 1900
Gloeosporium affine Sacc. 1878
Colletotrichum anthonicola Speg. 1910
Physalospora anthurii R. Fisch. 1930
Physalospora cattleyae Maubl. & Lasnier 1904
Gnomoniopsis cingulata Stoneman 1898
Glomerella cingulata (Stoneman) Spauld. & H. Schrenk 1903
Gloeosporium cingulatum G.F. Atk. 1892
Colletotrichum litchis Gonz. Frag. & Cif. 1928
Gloeosporium mangiferae Henn. 1898
Colletotrichum papayae Henn. 1908
Gloeosporium papayae Henn. 1895
Gloeosporium pedemontanum Pupillo 1952
Gloeosporium raciborskii Henn. 1900
***Colletotrichum graminicola* (Ces.) G.W. Wilson 1914** Anthracnose leaf blight on wheat and maize
Diocladium graminicola Ces. 1852
Colletotrichopsis graminicola (Ces.) Munt.-Cvetk. 1952
Steirochaete graminicola (Ces.) Sacc. 1886
Glomerella graminicola Politis 1975
Vermicularia graminicola Westend. 1861
***Colletotrichum kahawae* J.M. Waller & Bridge 1993** Coffee berry disease; seedling anthracnose
***Colletotrichum lindemuthianum* (Sacc. & Magn.) Briosi & Cavara 1889** Anthracnose of common bean, also leaf, stem and pod anthracnose
Gloeosporium lindemuthianum Sacc. & Magnus 1878
Glomerella lindemuthiana Shear 1913
***Colletotrichum trifolii* Bain 1906** Anthracnose on alfalfa
- Plectosphaerellaceae*
Plectosphaerella^(RPB2, TEF1)
Plectosporium
- Plectosphaerella cucumerina* (Lindf.) W. Gams 1972** Root rot and wilt
Venturia cucumerina Lindf. 1919
Monographella cucumerina (Lindf.) Arx 1984
Cephalosporium ciferrii Verona 1939
Plectosphaerella cucumeris Kleb. 1929
Micronectriella cucumeris (Kleb.) C. Booth 1971
Cephalosporiopsis imperfecta Moreau 1941
Cephalosporium tabacinum J.F.H. Beyma 1933

	<i>Microdochium tabacinum</i> (J.F.H. Beyma) Arx 1984	
	<i>Plectosporium tabacinum</i> (J.F.H. Beyma) M.E. Palm et al. 1995	
	<i>Fusarium tabacinum</i> (J.F.H. Beyma) W. Gams 1968	
	<i>Plectosphaerella melonis</i> (Ts. Watan. & Mas. Sato) A.J.L. Phillips et al. 2012	Melon rot
	<i>Nodulisporium melonis</i> Ts. Watan. & Mas. Sato 1995	
	<i>Acremonium cucurbitacearum</i> Alfaro-Garcia et al. 1996	
<i>Verticillium</i> ^(ACT, GAPDH, RPB2, TEF1, TS)	<i>Verticillium albo-atrum</i> Reinke & Berthier 1879	Vascular wilt diseases
	<i>Verticillium albo-atrum</i> var. <i>caespitosum</i> Wollenw. 1929	
	<i>Verticillium albo-atrum</i> var. <i>tuberosum</i> B.A. Rudolph	
	<i>Verticillium dahliae</i> Kleb. 1913	Vascular wilt diseases
	<i>Verticillium albo-atrum</i> var. <i>dahliae</i> (Kleb.) R. Nelson 1950	
	<i>Verticillium albo-atrum</i> var. <i>medium</i> Wollenw. 1929	
	<i>Verticillium ovatum</i> G.H. Berk. & A.B. Jacks. 1926	
	<i>Verticillium longisporum</i> (C. Stark) Karapapa et al. 1997	Vascular wilt of horseradish, rape
<i>Hypocreales</i>		
<i>Bionectriaceae</i>		
<i>Clonostachys</i> ^(TUB2)	<i>Clonostachys rosea</i> (Link) Schroers et al. 1999	Dieback, pod rot, crown and root rot, saprobic and endophytic, also used in biological control of fungal diseases
<i>Bionectria</i>	<i>Penicillium roseum</i> Link 1816	
<i>Gliocladium</i>	<i>Nectria aureofulva</i> Cooke & Ellis 1878	
	<i>Bionectria aureofulva</i> (Cooke & Ellis) Schroers & Samuels 1997	
	<i>Gliocladium aureum</i> Rader 1948	
	<i>Verticillium epimyces</i> Berk. & Broome 1851	
	<i>Verticillium foexii</i> J.F.H. Beyma 1928	
	<i>Nectria gliocladioides</i> Smalley & H.N. Hansen 1957	
	<i>Clonostachys gneti</i> Oudem. 1890	
	<i>Verticillium intertextum</i> I. Isaac & R.R. Davies 1955	
	<i>Nectria ochroleuca</i> (Schwein.) Berk. 1875	
	<i>Bionectria ochroleuca</i> (Schwein.) Schroers & Samuels 1997	
	<i>Clonostachys populi</i> Harz 1890	
	<i>Verticillium pulverulentum</i> Gouw. 1924	
	<i>Gliocladium roseum</i> Bainier 1907	
	<i>Gliocladium verticilloides</i> Pidopl. 1930	
<i>Geosmithia</i> ^(RPB2, TEF1, TUB2)	<i>Geosmithia morbida</i> M. Kolarik et al. 2011	Thousand canker disease of walnut
<i>Nectriella</i>	<i>Nectriella pironii</i> Alfieri & Samuels 1980 [1979]	Leaf and stem gall, stem canker
	<i>Kutilakesa pironii</i> Alfieri 1979	
	<i>Sarcopodium pironii</i> (Alfieri) Ts. Watan. 1993	
<i>Clavicipitaceae</i>		
<i>Balansia</i>	<i>Balansia claviceps</i> Speg. 1885	Choke disease of pooid grasses
<i>Ephelis</i>	<i>Ephelis mexicana</i> Fr. 1849	

	<i>Balansia oryzae</i> (Syd.) Naras. & Thirum. 1943	Black choke, incense rod, false ergot, udbatta disease of rice
	<i>Ephelis oryzae</i> Syd. 1914	
	<i>Balansia oryzae-sativae</i> Hashioka 1971	
<i>Claviceps</i> ^(MCM7, RPB2, TEF1, TUB2)	<i>Claviceps africana</i> Freder. et al. 1991	Ergot on grasses especially on Sorghum bicolor Horse's tooth of corn Ergot
	<i>Claviceps gigantea</i> S.F. Fuentes et al. 1964	
	<i>Claviceps purpurea</i> (Fr.) Tul. 1853	
	<i>Sphaeria purpurea</i> Fr. 1823	
	<i>Cordyceps purpurea</i> (Fr.) Fr. 1849	
	<i>Claviceps litoralis</i> Kawat. 1946	
	<i>Kentrosporium microcephalum</i> Wallr.	
	<i>Claviceps microcephala</i> (Wallr.) Tul. 1853	
	<i>Spermoedia microcephala</i> (Wallr.) Seaver 1910	
	<i>Sphacelia segetum</i> Lév. 1827	
	<i>Claviceps sesleriae</i> Stäger 1906	
	<i>Cordyceps setulosa</i> Quél. 1875	
	<i>Claviceps setulosa</i> (Quél.) Sacc. 1883	
	<i>Claviceps sorghi</i> B.G.P. Kulk. et al. 1976	Asian ergot
	<i>Sphacelia sorghi</i> McRae 1917	
<i>Epichloe</i> ^(ACT, TEF1, TUB2)	<i>Epichloe typhina</i> (Pers.) Tul. & C. Tul. 1865	Choke disease of pooid grasses
<i>Neotyphoideum</i>	<i>Sphaeria typhina</i> Pers. 1798	
	<i>Claviceps typhina</i> (Pers.) F.M. Bailey	
	<i>Cordyceps typhina</i> (Pers.) Fr. 1849	
	<i>Dothidea typhina</i> (Pers.) Fr. 1823	
	<i>Hypocrea typhina</i> (Pers.) Berk. 1860	
	<i>Sphacelia typhina</i> (Pers.) Sacc. 1883	
	<i>Stromatosphaeria typhina</i> (Pers.) Grev. 1826	
	<i>Polystigma typhinum</i> (Pers.) DC. 1817	
	<i>Typhodium typhinum</i> (Pers.) Seaver 1910	
	<i>Sphaeria spiculifera</i> Sowerby 1803	
	<i>Acremonium typhinum</i> Morgan-Jones & W. Gams 1982	
	<i>Neotyphodium typhinum</i> (Morgan-Jones & W. Gams) Glenn et al. 1996	
<i>Myriogenospora</i>	<i>Myriogenospora atramentosa</i> (Berk. & M.A. Curtis) Diehl 1950	Systemic parasite of pasture grasses
	<i>Hypocrea atramentosa</i> Berk. & M.A. Curtis 1868	
<i>Hypocreaceae</i>	<i>Trichoderma viride</i> Pers. 1794	Dieback, root rot, post harvest fruit rot, also used in biological control of fungal diseases
<i>Trichoderma</i> ^(RPB2, TEF1)	<i>Trichoderma glaucum</i> E.V. Abbott 1927	
<i>Hypocrea</i>	<i>Trichoderma lignorum</i> (Tode) Harz 1871	
	<i>Sphaeria rufa</i> Pers. 1796	
	<i>Hypocrea rufa</i> (Pers.) Fr. 1849	

Nectriaceae

Calonectria^(cmdA, HIS3, RPB2, TEF1, TUB2)

*Cylindrocladium****Calonectria ilicicola* Boedijn & Reitsma 1950**

Cylindrocladium parasiticum Crous et al. 1993

Calonectria theae var. *crotalariae* Loos 1950

Calonectria crotalariae (Loos) D.K. Bell & Sobers 1966

***Calonectria ovata* D. Victor & Crous 1997**

Cylindrocladium ovatum El-Gholl et al. 1993

Calonectria tereticornis L. Lombard & Crous 2016

Calonectria nemoralis L. Lombard & Crous 2017

Calonectria tucuruensis L. Lombard & Crous 2017

***Calonectria pseudonaviculata* (Crous et al.) L. Lombard et al. 2010**

Cylindrocladium pseudonaviculatum Crous et al. 2002

Cylindrocladium buxicola Henricot 2002

***Calonectria pteridis* Crous et al. 1993**

Cylindrocladium pteridis F.A. Wolf 1926

***Calonectria reteaudii* (Bugnic.) C. Booth 1966**

Neonectria reteaudii Bugnic. 1939

Cylindrocarpon reteaudii Bugnic. 1939

Cylindrocladium reteaudii (Bugnic.) Boesew. 1982

Cylindrocladium quinqueseptatum Boedijn & Reitsma 1950

Calonectria baviensis N.Q. Pham et al. 2019

Coccinonectria^(ACL1, ACT, cmdA, HIS3, RPB1, RPB2, TEF1)

***Coccinonectria pachysandricola* (B.O. Dodge) L. Lombard & Crous 2015**

Pseudonectria pachysandricola B.O. Dodge 1944

Volutella pachysandricola B.O. Dodge 1944

Fusarium^(cmdA, RPB1, RPB2, TEF1, TUB2)

***Fusarium culmorum* (Wm.G. Sm.) Sacc. 1895**

Fusisporium culmorum Wm.G. Sm. 1884

Fusarium culmorum var. *leteius* Sherb. 1915

***Fusarium equiseti* (Corda) Sacc. 1886**

Selenosporium equiseti Corda 1838

Fusarium bullatum Sherb. 1915

Fusarium equiseti var. *bullatum* (Sherb.) Wollenw. 1930

Gibberella intricans Wollenw. 1930

Fusarium longipes Wollenw. & Reinking 1925

***Fusarium fujikuroi* Nirenberg 1976**

Lisea fujikuroi Sawada 1919

Gibberella fujikuroi (Sawada) Ito 1931

***Fusarium graminearum* Schwabe 1838**

Sphaeria zae Schwein. 1822

Gibberella zae (Schwein.) Petch 1936

Blight, crown rot, damping off, leaf spot, peanut peg, pod, and root necrosis

Leaf spot of *Eucalyptus*

Boxwood blight

Leaf spot of *Eucalyptus*

Leaf spot of *Eucalyptus*

Foliar blight of *Pachysandra*

Head blight, root rot, stalk rot

Culm and root rot, leaf spot

Foolish seedling disease

Seedling blight, pre- and post-emergence blight, root and foot rot, brown rot, culm decay, head or kernel blight (scab or ear scab) of cereals

	<i>Fusarium lateritium</i> Nees 1817 [1816-17]	Blight, canker, dieback, stem rot
	<i>Sphaeria baccata</i> Wallr.	
	<i>Gibberella baccata</i> (Wallr.) Sacc. 1878	
	<i>Gibbera baccata</i> (Wallr.) Fuckel 1870	
	<i>Gibberella pulicaris</i> subsp. <i>baccata</i> (Wallr.) Sacc. 1878	
	<i>Fusarium odoratissimum</i> Maryani et al. 2018	Panama disease, wilt of banana
	<i>Fusarium cubense</i> E.F. Sm. 1910	
	<i>Fusarium oxysporum</i> var. <i>cubense</i> (E.F. Sm.) Wollenw. 1935	
	<i>Fusarium cubense</i> var. <i>inodoratum</i> E.W. Brandes 1919	
	<i>Fusarium oxysporum</i> Schltdl. 1824	Blights, wilts, rots, damping off, common in soil
	<i>Fusarium angustum</i> Sherb. 1915	
	<i>Fusarium rigidiuscula</i> W.C. Snyder & H.N. Hanson 1945	Numerous diseases of many food crops
	<i>Fusarium decemcellulare</i> C. Brick	
	<i>Nectria rigidiuscula</i> Berk. & Broome	
	<i>Albonectria rigidiuscula</i> (Berk. & Broome) Rossman & Samuels	
	<i>Fusarium verticillioides</i> (Sacc.) Nirenberg 1976	Bakanae disease of rice; fig endosepsis; ear rot of maize
	<i>Oospora verticillioides</i> Sacc. 1882	
	<i>Gibberella moniliformis</i> Wineland 1924	
<i>Ilyonectria</i> ^(HIS3, TEF1, TUB2)	<i>Ilyonectria destructans</i> (Zinssm.) Rossman et al. 2015	Root rot, wilt on various hosts
	<i>Ramularia destructans</i> Zinssm. 1918	
	<i>Cylindrocarpon destructans</i> (Zinssm.) Scholten 1964	
	<i>Septocylindrium aderholdii</i> Sacc. & P. Syd. 1902	
	<i>Cylindrocarpon radicum</i> Wollenw. 1924	
	<i>Nectria radicum</i> Gerlach & L. Nilsson 1963	
	<i>Neonectria radicum</i> (Gerlach & L. Nilsson) Mantiri & Samuels 2001	
	<i>Ilyonectria radicum</i> (Gerlach & L. Nilsson) P. Chaverri & C. Salgado 2011	
<i>Nectria</i> ^(ACL1, ACT, cmdA, HIS3, RPB1, RPB2, TEF1)	<i>Nectria cinnabarina</i> (Tode) Fr. 1849	Coral spot of hardwoods
<i>Tubercularia</i>	<i>Sphaeria cinnabarina</i> Tode 1791	
	<i>Cucurbitaria cinnabarina</i> (Tode) Grev. 1825	
	<i>Tubercularia aesculi</i> Opiz 1837	
	<i>Tubercularia ailanthi</i> Cooke 1879	
	<i>Tubercularia aquifolia</i> Cooke & Massee 1887	
	<i>Tubercularia berberidis</i> Thüm. 1877	
	<i>Tubercularia calycanthi</i> Schwein. 1831	
	<i>Sphaeria celastri</i> Schwein. 1828	
	<i>Cucurbitaria celastri</i> (Schwein.) Kuntze 1898	
	<i>Nectria celastri</i> (Schwein.) Peck 1874	
	<i>Tubercularia celastri</i> Schwein. 1831	
	<i>Tubercularia confluens</i> Pers. 1801	
	<i>Tubercularia conorum</i> Cooke & Massee 1887	

Tubercularia coryli Paol. 1887
Sphaeria decolorans Pers. 1794
Tubercularia discoidea Pers. 1796
Tubercularia euonymi Roum. 1879
Tubercularia filicis Lasch 1854
Tubercularia granulata Pers. 1801
Tubercularia hamata Ellis & Everh. 1894
Tubercularia hysterina Corda 1837
Tubercularia miniata Tracy & Earle 1901
Tubercularia minor Link 1825
Tubercularia mutabilis Nees 1825
Nectria offuscata Berk. & M.A. Curtis 1875
Cucurbitaria offuscata (Berk. & M.A. Curtis) Kuntze 1898
Tubercularia pteleae Oudem. 1903
Tubercularia radicalis Schwein. 1831
Tubercularia rhamni Paol. 1887
Nectria russellii Berk. & M.A. Curtis 1875
Cucurbitaria russellii (Berk. & M.A. Curtis) Kuntze 1898
Tubercularia sambuci Corda 1837
Tubercularia sarmentorum Fr. 1815
Tubercularia subdiaphana Schwein. 1831
Sphaeria tremelloides Weigel 1772
Tubercularia vaginata Corda 1837
Tubercularia vulgaris Tode 1790
Knyaria vulgaris (Tode) Kuntze 1891

Neocosmospora^(RPB2, TEF1)

***Neocosmospora haematococca* (Berk. & Broome) Samuels et al. 2011**

Nectria haematococca Berk. & Broome 1873
Hypomyces haematococcus (Berk. & Broome) Wollenw. 1926
Haematonectria haematococca (Berk. & Broome) Samuels & Rossman 1999
Fusarium haematococcum Nalim et al. 2011

Nectria canker

***Neocosmospora solani* (Mart.) L. Lombard & Crous, 2015**

Fusisporium solani Mart. 1842
Fusarium solani (Mart.) Sacc. 1881
Nectria bogoriensis Bernard 1907
Nectria calonectricola Henn. 1909 [1908]
Nectria cinnabarina var. *jaraguensis* Höhn. 1927
Nectria confluens Seaver 1926
Nectria episphaerioides Penz. & Sacc. 1898 [1897]
Fusarium lathyri Taubenh.
Nectria luteococcinea Höhn. 1909

Root, fruit and stem rot

<i>Neonectria</i> ^(TEF1, TUB2) <i>Cylindrocarpon</i>	<p><i>Tubercularia subpedicellata</i> Schwein. 1831</p> <p><i>Neonectria coccinea</i> (Pers.) Rossman & Samuels 1999</p> <p><i>Sphaeria coccinea</i> Pers. 1800</p> <p><i>Nectria coccinea</i> (Pers.) Fr. 1849</p> <p><i>Sphaerostilbe caespitosa</i> Fuckel 1873</p> <p><i>Neonectria caespitosa</i> (Fuckel) Wollenw. 1926</p> <p><i>Fusidium candidum</i> Link 1809</p> <p><i>Cylindrocarpon candidum</i> (Link) Wollenw. 1926</p> <p><i>Cylindrocarpon candidum</i> var. <i>crassum</i> Wollenw. 1928</p> <p><i>Cylindrocarpon candidum</i> var. <i>maius</i> Wollenw. 1928</p> <p><i>Cylindrocarpon candidum</i> var. <i>medium</i> Wollenw. 1928</p> <p><i>Cylindrocarpon candidum</i> var. <i>minus</i> Wollenw. 1928</p> <p><i>Fusarium fractum</i> Sacc. & Cavara 1900</p> <p><i>Cylindrocarpon fractum</i> (Sacc. & Cavara) Wollenw. 1924</p>	European beech canker
	<p><i>Neonectria ditissima</i> (Tul. & C. Tul.) Samuels & Rossman 2006</p> <p><i>Nectria ditissima</i> Tul. & C. Tul. 1865</p> <p><i>Nectria ditissima</i> var. <i>arctica</i> Wollenw. 1926</p> <p><i>Nectria galligena</i> Bres. 1901</p> <p><i>Neonectria galligena</i> (Bres.) Rossman & Samuels 1999</p> <p><i>Fusarium heteronemum</i> Berk. & Broome 1865</p> <p><i>Cylindrocarpon heteronema</i> (Berk. & Broome) Wollenw. 1928</p> <p><i>Nectria magnoliae</i> M.L. Lohman & Hepting 1943</p> <p><i>Fusarium mali</i> Allesch. 1892</p> <p><i>Cylindrocarpon mali</i> (Allesch.) Wollenw. 1928</p>	Canker, crown dieback and fruit rot of apple and pear
	<p><i>Neonectria faginata</i> (M.L. Lohman et al.) Castl. & Rossman 2006</p> <p><i>Nectria coccinea</i> var. <i>faginata</i> M.L. Lohman et al. 1943</p> <p><i>Cylindrocarpon faginatum</i> C. Booth 1966</p>	American beech bark canker
<i>Pseudonectria</i> ^(ACL1, ACT, cmdA, HIS3, RPB1, RPB2, TEF1)	<p><i>Pseudonectria buxi</i> (DC.) Seifert et al. 2011</p> <p><i>Tubercularia buxi</i> DC. 1815</p> <p><i>Chaetodochium buxi</i> (DC.) Höhn. 1932</p> <p><i>Chaetostroma buxi</i> (DC.) Corda 1838</p> <p><i>Volutella buxi</i> (DC.) Berk. 1860</p> <p><i>Nectria rousseliana</i> Mont. 1851</p> <p><i>Pseudonectria rousseliana</i> (Mont.) Seaver 1931</p> <p><i>Stigmatea rousseliana</i> (Mont.) Fuckel 1870</p> <p><i>Nectriella rousseliana</i> (Mont.) Sacc. 1877</p> <p><i>Notarisiella rousseliana</i> (Mont.) Sacc. ex Clem. & Shear 1931</p> <p><i>Lasionectria rousselliana</i> (Mont.) Cooke 1884</p>	Canker and dieback of boxwood
<i>Thyronectria</i> ^(ACT, RPB1, RPB2, TEF1)	<p><i>Thyronectria austroamericana</i> (Speg.) Seeler 1940</p> <p><i>Pleonectria austroamericana</i> Speg. 1880</p>	Canker of honey locust

	<i>Nectria austroamericana</i> (Speg.) Rossman 1989	
	<i>Gyrostroma austroamericanum</i> Seeler 1940	
	<i>Pleonectria denigrata</i> G. Winter 1883	
	<i>Thyronectria denigrata</i> (G. Winter) Seaver 1909	
	<i>Kaskaskia gleditsiae</i> Born & J.L. Crane 1972	
	<i>Pleonectria guaranitica</i> Speg. 1885	
	<i>Pleonectria nigropapillata</i> Starbäck 1904	
<i>Stachybotryaceae</i>		
<i>Myrothecium</i>	<i>Myrothecium roridum</i> Tode 1790	Necrosis of foliage, stems, fruit, cotton, coffee, cucurbits, tomato
	<i>Myrothecium advena</i> Sacc. 1908	
	<i>Myrotheciella catenuligera</i> Speg. 1909	
	<i>Myrothecium fragosianum</i> Sacc. 1917	
	<i>Exotrichum leucomelas</i> Syd. & P. Syd. 1914	
	<i>Myrothecium leucomelas</i> (Syd. & P. Syd.) Höhn. 1925	
	<i>Gliocladium nigrum</i> Moreau & Moreau 1941	
	<i>Myrothecium roridum</i> var. <i>eichhorniae</i> Ponnappa 1970	
	<i>Hymenopsis tenuis</i> Petch 1927	
<i>Magnaporthales</i>		
<i>Magnaporthaceae</i>		
<i>Gaeumannomyces</i> ^(RPBI, TEF1)	<i>Gaeumannomyces avenae</i> (E.M. Turner) Hern.-Restr. & Crous 2016	Take-all of oats. Crown rot, patch disease of turf grasses. More pathogenic than var. <i>graminis</i>
<i>Rhaphidospora</i>	<i>Ophiobolus graminis</i> var. <i>avenae</i> E.M. Turner 1940	
	<i>Gaeumannomyces graminis</i> var. <i>avenae</i> (E.M. Turner) Dennis 1960	
	<i>Gaeumannomyces graminis</i> (Sacc.) Arx & D.L. Olivier 1952	Take-all of cereals, grasses
	<i>Rhaphidospora graminis</i> Sacc. 1875	
	<i>Ophiobolus graminis</i> (Sacc.) Sacc. 1881	
	<i>Ophiobolus oryzinus</i> Sacc. 1916	
	<i>Linocarpon oryzinum</i> (Sacc.) Petr. 1952	
	<i>Gaeumannomyces oryzinus</i> (Sacc.) Schrantz 1961	
	<i>Gaeumannomyces radicularis</i> (Cain) J. Luo & N. Zhang	Root rot-stalk rot of grasses
	<i>Phialophora radicularis</i> Cain	
	<i>Harpophora radicularis</i> (Cain) W. Gams	
	<i>Phialophora zeicola</i> Deacon & D.B. Scott	
	<i>Harpophora zeicola</i> (Deacon & D.B. Scott) W. Gams	
<i>Slopeiomyces</i>	<i>Slopeiomyces cylindrosporus</i> (D. Hornby et al.) Klaubauf et al. 2014	Summer patch disease of turf
	<i>Gaeumannomyces cylindrosporus</i> D. Hornby et al. 1977	
<i>Pyriculariaceae</i>		
<i>Pyricularia</i> ^(ACT, cmdA, RPBI)	<i>Pyricularia grisea</i> Sacc. 1880	Blast disease of <i>Poaceae</i>
	<i>Dactylaria grisea</i> (Sacc.) Shirai 1910	
	<i>Fusicladium dubiosum</i> Speg. 1886	
	<i>Pyricularia dubiosa</i> (Speg.) Viégas 1946	

	<i>Ceratospaeria grisea</i> T.T. Herbert 1971	
	<i>Magnaporthe grisea</i> (T.T. Hebert) M.E. Barr 1977	
	<i>Phragmoportha grisea</i> (T.T. Hebert) M. Monod 1983	
	<i>Pyricularia oryzae</i> Cavara 1891	Rice blast, cereal diseases
	<i>Dactylaria oryzae</i> (Cavara) Sawada 1916	
	<i>Magnaporthe oryzae</i> B.C. Couch 2002	
<i>Meliolales</i>		
<i>Meliolaceae</i>		
<i>Meliola</i>		
	<i>Meliola nidulans</i> (Schwein.) Cooke 1882	Black mildew of dogwood, epiphytic on leaves, stems and branches in southeastern United States
	<i>Sphaeria nidulans</i> Schwein. 1822	
	<i>Chaetosphaeria nidulans</i> (Schwein.) Rehm 1875	
<i>Microascales</i>		
<i>Ceratocystidaceae</i>		
<i>Berkeleyomyces</i> ^(ACT, MCM7, RPB2)	<i>Berkeleyomyces basicola</i> (Berk. & Broome) W.J. Nel et al. 2017	Black root rot
	<i>Torula basicola</i> Berk. & Broome 1850	
	<i>Trichocladium basicola</i> (Berk. & Broome) J.W. Carmich. 1980	
	<i>Thielaviopsis basicola</i> (Berk. & Broome) Ferraris 1912	
	<i>Chalara elegans</i> Nag Raj & W.B. Kendr. 1975	
<i>Ceratocystis</i> ^(TUB2, MS204, TEF1, RPB2)	<i>Ceratocystis fagacearum</i> (Bretz) J. Hunt 1956	Oak wilt of North America
	<i>Endoconidiophora fagacearum</i> Bretz 1952	
	<i>Chalara quercina</i> B.W. Henry 1944	
	<i>Thielaviopsis quercina</i> (B.W. Henry) A.E. Paulin et al. 2002	
	<i>Ceratocystis fimbriata</i> Ellis & Halst. 1890	Gummosis, wilting, cankers, chlorosis, root rot, necrosis
	<i>Ceratostomella fimbriata</i> (Ellis & Halst.) J.A. Elliott 1923	
	<i>Endoconidiophora fimbriata</i> (Ellis & Halst.) R.W. Davidson 1935	
	<i>Ophiostoma fimbriatum</i> (Ellis & Halst.) Nannf. 1934	
	<i>Sphaeronaema fimbriatum</i> (Ellis & Halst.) Sacc. 1892	
	<i>Rostrella coffeae</i> Zimm. 1900	
	<i>Ophiostoma coffeae</i> (Zimm.) Arx 1952	
	<i>Ceratocystis moniliformis</i> f. <i>coffeae</i> (Zimm.) C. Moreau 1954	
	<i>Ceratocystis manginecans</i> M. van Wyk et al. 2007	Wilt disease of mango of Asia
	<i>Ceratocystis acaciivora</i> Tarigan & M. van Wyk 2011	
	<i>Ceratocystis radicola</i> (Bliss) C. Moreau 1952	Wilt and root rot of palms (<i>Areaceae</i>)
	<i>Ceratostomella radicola</i> Bliss 1941	
	<i>Ophiostoma radicola</i> (Bliss) Arx 1952	
	<i>Chalaropsis punctulata</i> Hennebert 1967	
	<i>Thielaviopsis punctulata</i> (Hennebert) A.E. Paulin et al. 2002	
<i>Thielaviopsis</i> ^(RPB2)	<i>Thielaviopsis paradoxa</i> (De Seynes) Höhn. 1904	Leaf and fruit rot
	<i>Sporoschisma paradoxum</i> De Seynes 1886	

	<i>Chalara paradoxa</i> (De Seynes) Sacc. 1892	
	<i>Ceratostomella paradoxa</i> (De Seynes) Dade 1928	
	<i>Ophiostoma paradoxum</i> (De Seynes) Nannf. 1934	
	<i>Endoconidiophora paradoxa</i> (De Seynes) R.W. Davidson 1935	
	<i>Ceratocystis paradoxa</i> (De Seynes) C. Moreau 1952	
	<i>Stilbochalara dimorpha</i> Ferd. & Winge 1910	
Ophiostomatales		
<i>Ophiostomataceae</i>		
<i>Ophiostoma</i> ^(cmdA, TUB2)	<i>Ophiostoma novo-ulmi</i> Brasier 1991	Dutch elm disease, black stain, blue stain Sapstain of birch
	<i>Ophiostoma piliferum</i> (Fr.) Syd. 1919	
	<i>Sphaeria pilifera</i> Fr. 1817	
	<i>Ceratocystis pilifera</i> (Fr.) C. Moreau 1952	
	<i>Ophiostoma ulmi</i> (Buisman) Nannf. 1934	Dutch elm disease, black stain, blue stain
	<i>Ceratostomella ulmi</i> Buisman 1932	
	<i>Ceratocystis ulmi</i> (Buisman) C. Moreau 1952	
	<i>Graphium ulmi</i> M.B. Schwarz 1922	
	<i>Pesotum ulmi</i> (M.B. Schwartz) J.L. Crane & Schokn. 1973	
<i>Pesotum</i>	<i>Pesotum piceae</i> J.L. Crane & Schokn. 1973	Sapstain of <i>Pinaceae</i>
	<i>Ceratostomella piceae</i> Münch 1907	
	<i>Ceratocystis piceae</i> (Münch) B.K. Bakshi 1950	
	<i>Ophiostoma piceae</i> (Münch) Syd. & P. Syd. 1919	
	<i>Graphium piceae</i> (J.L. Crane & Schokn.) M.J. Wingf. & W.B. Kendr. 1991	
<i>Raffaelea</i> ^(TUB2)	<i>Raffaelea lauricola</i> T.C. Harr. et al. 2008	Laurel wilt disease
Phyllachorales		
<i>Phyllachoraceae</i>		
<i>Phyllachora</i>	<i>Phyllachora graminis</i> (Pers.) Fuckel 1870	Black leaf spot of grasses
<i>Linochora</i>	<i>Sphaeria graminis</i> Pers. 1796	
	<i>Dothidea graminis</i> (Pers.) Chevall. 1826	
	<i>Hypopteris graminis</i> (Pers.) Fr. ex P. Karst. 1866	
	<i>Nemania graminis</i> (Pers.) Gray 1821	
	<i>Polystigma graminis</i> (Pers.) Link 1833	
	<i>Leptostromella graminis</i> Grove 1937	
	<i>Linochora graminis</i> (Grove) Parbery 1967	
	<i>Phyllachora gratissima</i> Rehm 1892	Leaf spot of avocado
	<i>Phyllachora maydis</i> Maubl. 1904	Tar spot of maize
Sordariales		
<i>Chaetomiaceae</i>		

<i>Chaetomium</i> ^(RPB2, TUB2)	<i>Chaetomium globosum</i> Kunze 1817 <i>Chaetomium cochliodes</i> Palliser 1910 <i>Chaetomium olivaceum</i> Cooke & Ellis 1878	Food spoilage in storage
<i>Monosporascus</i> ^(TEF1, TUB2)	<i>Monosporascus cannonballus</i> Pollack & Uecker 1974	Vine decline of cucurbits
Togniniales Togniniaceae		
<i>Phaeoacremonium</i> ^(ACT, TUB2)	<i>Phaeoacremonium minimum</i> (Tul. & C. Tul.) Gramaje et al. 2015 <i>Calosphaeria minima</i> Tul. & C. Tul. 1863 <i>Togninia minima</i> (Tul. & C. Tul.) Berl. 1900 <i>Erostella minima</i> (Tul. & C. Tul.) Traverso 1906 <i>Pleurostoma minimum</i> (Tul. & C. Tul.) M.E. Barr et al. 1993 <i>Calosphaeria alnicola</i> Ellis & Everh. 1890 <i>Togninia alnicola</i> (Ellis & Everh.) Berl. 1900 <i>Longoa paniculata</i> Curzi 1927 <i>Phaeoacremonium aleophilum</i> W. Gams et al. 1996	Brown wood streaking
<i>Togninia</i>		
Trichosphaeriales Trichosphaeriaceae		
<i>Nigrospora</i> ^(TEF1, TUB2)	<i>Nigrospora oryzae</i> (Berk. & Broome) Petch 1924 <i>Monotospora oryzae</i> Berk. & Broome 1873 <i>Basisporium gallarum</i> Molliard 1902 <i>Khuskia oryzae</i> H.J. Huds. 1963 <i>Apiospora oryzae</i> (H.J. Huds.) Arx 1974	Nigrospora leaf spot
<i>Khuskia</i>		
Xylariales Diatrypaceae		
<i>Eutypa</i> ^(TUB2)	<i>Eutypa lata</i> (Pers.) Tul. & C. Tul. 1863 <i>Sphaeria lata</i> Pers. 1796	Dieback of several woody hosts, grapevines
<i>Eutypella</i> ^(TUB2)	<i>Eutypella quaternata</i> (Pers.) Rappaz 1987 <i>Sphaeria quaternata</i> Pers. 1796 <i>Eutypa quaternata</i> (Pers.) L.C. Tiffany & Gilman 1965 <i>Quaternaria quaternata</i> (Pers.) J. Schröt. 1897 [1908] <i>Valsa quaternata</i> (Pers.) Fr. 1849 <i>Libertella faginea</i> Desm. 1830	Canker and dieback of oak and other hardwoods
<i>Libertella</i>		
Xylariaceae		
<i>Dematophora</i> ^(TUB2)	<i>Dematophora bunodes</i> (Berk. & Broome) C. Lambert et al. 2020 <i>Sphaeria bunodes</i> Berk. & Broome 1875 <i>Rosellinia bunodes</i> (Berk. & Broome) Sacc. 1882 <i>Hypoxylon bunodes</i> (Berk. & Broome) P.M.D. Martin 1976 <i>Rosellinia echinata</i> Masee 1901 <i>Hypoxylon goliath</i> Speg. 1889	Black root rot

	<i>Rosellinia goliath</i> (Speg.) Höhn. 1907	
	<i>Rosellinia zingiberis</i> F. Stevens & Atienza 1931	
	<i>Dematophora buxi</i> (Fabre) C. Lambert et al. 2020	Root rot
	<i>Rosellinia buxi</i> Fabre 1879 [1878]	
	<i>Dematophora necatrix</i> R. Hartig 1883	Root rot
	<i>Dematophora pepo</i> (Pat.) C. Lambert et al. 2020	Root rot
	<i>Rosellinia pepo</i> Pat. 1908	
<i>Entoleuca</i> ^(RPB2, TUB2)	<i>Entoleuca mammata</i> (Wahlenb.) J.D. Rogers & Y.M. Ju 1996	Canker
	<i>Sphaeria mammata</i> Wahlenb., 1826	
<i>Kretzschmeria</i>	<i>Kretzschmaria deusta</i> (Hoffm.) P.M.D. Martin 1970	Root and butt rot of various woody hosts
	<i>Sphaeria deusta</i> Hoffm. 1787	
	<i>Discosphaera deusta</i> (Hoffm.) Dumort. 1822	
	<i>Nemania deusta</i> (Hoffm.) Gray 1821	
	<i>Stromatosphaeria deusta</i> (Hoffm.) Grev. 1824	
	<i>Ustulina deusta</i> (Hoffm.) Lind 1913	
	<i>Hypoxyton deustum</i> (Hoffm.) Grev. 1828	
	<i>Sphaeria maxima</i> Weber 1778	
	<i>Ustulina maxima</i> (Weber) Wettst. 1885	
	<i>Nemania maxima</i> (Weber) House 1925	
	<i>Hypoxyton ustulatum</i> Bull. 1791	
<i>Nemania</i> ^(ACT, TUB2)	<i>Nemania serpens</i> (Pers.) Gray 1821	Sapwood rot of woody hosts
<i>Geniculosporium</i>	<i>Sphaeria serpens</i> Pers. 1823	
	<i>Hypoxyton serpens</i> (Pers.) J. Kickx fil. 1835	
	<i>Hypoxyton lilacinofuscum</i> Bres. 1892	
	<i>Geniculosporium serpens</i> Chesters & Greenh. 1964	
	<i>Hypoxyton subluteum</i> Ellis & Everh. 1892	
<i>Graphostromataceae</i>		
<i>Biscogniauxia</i> ^(ACT, RPB2, TUB2)	<i>Biscogniauxia atropunctata</i> (Schwein.) Pouzar 1979	Dieback disease
	<i>Sphaeria atropunctata</i> Schwein. 1822	
	<i>Biscogniauxia mediterranea</i> (De Not.) Kuntze 1891	Dieback disease
	<i>Sphaeria mediterranea</i> De Not. 1853	
<i>Taphrinomycetes</i>		
<i>Taphrinales</i>		
<i>Taphrinaceae</i>		
<i>Taphrina</i>	<i>Taphrina caerulescens</i> (Desm. & Mont.) Tul. 1866	Leaf spot, blister of oak
	<i>Ascomyces caerulescens</i> Desm. & Mont. 1848	
	<i>Exoascus caerulescens</i> (Desm. & Mont.) Sadeb. 1893	
	<i>Ascomyces alutaceus</i> Thüm. 1880	

	<i>Taphrina alutacea</i> (Thüm.) Sacc. 1889	
	<i>Lalaria caeruleascens</i> R.T. Moore 1990	
	<i>Ascomyces extensus</i> Peck 1886	
	<i>Taphrina extensa</i> (Peck) Sacc. 1889	
	<i>Ascomyces quercus</i> Cooke 1878	
	<i>Taphrina quercus</i> (Cooke) Sacc. 1889	
	<i>Ascomyces rubrobrunneus</i> Peck 1887	
	<i>Taphrina rubrobrunnea</i> (Peck) Sacc 1892	
	<i>Taphrina deformans</i> (Berk.) Tul. 1866	Peach leaf curl
	<i>Ascomyces deformans</i> Berk. 1857	
	<i>Exoascus deformans</i> (Berk.) Fuckel 1870	
	<i>Exoascus amygdali</i> Jacz. 1926	
	<i>Taphrina amygdali</i> (Jacz.) Mix 1936	
	<i>Lalaria deformans</i> R.T. Moore 1990	
	<i>Taphrina populina</i> (Fr.) Fr. 1832	Yellow leaf blister of cottonwood, poplar
	<i>Taphrina populina</i> Fr. 1815	
	<i>Exoascus flavoaurus</i> Cocc. 1894	
	<i>Exoascus populi</i> Thüm. 1874	
	<i>Lalaria populina</i> R.T. Moore 1990	
<i>Ascomycetes Incertae sedis</i>		
<i>Hymenula</i>	<i>Hymenula cerealis</i> Ellis & Everh. 1894	Cephalosporium stripe of grasses
	<i>Cephalosporium gramineum</i> Y. Nisik. & Ikata 1934	
<i>Basidiomycota</i>		
<i>Agaricomycotina</i>		
<i>Agaricales</i>		
<i>Marasmiaceae</i>		
<i>Brunneocorticium</i>	<i>Brunneocorticium corynecarpon</i> (Kunze) R.A. Koch et al. 2018	Pathogen of various tropical trees and shrubs
	<i>Rhizomorpha corynecarpos</i> Kunze 1828	
<i>Marasmius</i>	<i>Marasmius crinis-equi</i> F. Muell. ex Kalchbr.	Horse hair blight of various tropical tree crops including cacao
		Witches' broom and pod rot of cacao
<i>Moniliophthora</i>	<i>Moniliophthora perniciosa</i> (Stahel) Aime & Phillips-Mora 2006 [2005]	
<i>Crinipellis</i>	<i>Marasmius perniciosus</i> Stahel 1915	
	<i>Crinipellis perniciosa</i> (Stahel) Singer 1943	
	<i>Moniliophthora roreri</i> (Cif.) H.C. Evans et al. 1978	Frosty pod rot, 'mancha', 'helada', watery pod rot of cacao
	<i>Monilia roreri</i> Cif. 1933	
<i>Mycenaceae</i>		
<i>Mycena</i>	<i>Mycena citricolor</i> (Berk. & M.A. Curtis) Sacc. 1887	Thread blight, iron spot, rooster eye spot of coffee, other diseases of tropical hosts
	<i>Agaricus citricolor</i> Berk. & M.A. Curtis 1868	
	<i>Omphalopsis citricolor</i> (Berk. & M.A. Curtis) Murrill 1916	

	<i>Omphalia flavida</i> Maubl. & Rangel 1914	
	<i>Mycena flavida</i> (Maubl. & Rangel) Singer 1951	
	<i>Sphaerostilbe flavida</i> Masee 1909	
	<i>Stilbum flavidum</i> Cooke 1880	
	<i>Stilbella flavidum</i> (Cooke) Henn. 1904	
	<i>Decapitatus flavidus</i> (Cooke) Redhead & Seifert 2000	
	<i>Pistillaria flavida</i> (Cooke) Speg. 1896	
	<i>Mycena tricolor</i> Velen. 1920	
Omphalotaceae		
<i>Gymnopus</i>	<i>Gymnopus stenophyllus</i> (Mont.) J.L. Mata & R.H. Petersen 2004	Root rot of sugarcane
	<i>Marasmius stenophyllus</i> Mont. 1854	
	<i>Marasmiellus stenophyllus</i> (Mont.) Singer 1962 [1961]	
	<i>Marasmius subsynodicus</i> Murrill 1940	
<i>Marasmiellus</i>	<i>Marasmiellus inoderma</i> (Berk.) Singer 1955	Root rot of maize
	<i>Marasmius inoderma</i> Berk. 1851	
Physalacriaceae		
<i>Armillaria</i> ^(IGS-1, TEF1)	<i>Armillaria mellea</i> (Vahl) P. Kumm. 1871	Armillaria root rot; root pathogens of various forest and fruit trees, also cranberries, grape
	<i>Armillaria ostoyae</i> (Romagn.) Herink 1973	Root pathogen
<i>Desarmillaria</i> ^(TEF1)	<i>Desarmillaria tabescens</i> (Scop.) R.A. Koch & Aime 2017	Root pathogen
	<i>Armillaria tabescens</i> (Scop.) Emel 1921	
Psathyrellaceae		
<i>Coprinopsis</i> ^(TEF1, TUB2)	<i>Coprinopsis psychromorbida</i> (Redhead & Traquair) Redhead et al. 2001	Fruit storage rot
	<i>Coprinus psychromorbidus</i> Redhead & Traquair 1981	
Schizophyllaceae		
<i>Schizophyllum</i> ^(RPB2, TEF1)	<i>Schizophyllum commune</i> Fr. 1815	Sapwood rot
<i>Chondrostereum</i>	<i>Chondrostereum purpureum</i> (Pers.) Pouzar 1959	Silver leaf disease
Atheliales		
Atheliaceae		
<i>Athelia</i> ^(RPB2, TEF1)	<i>Athelia arachnoidea</i> (Berk.) Jülich 1972	Crater rot of carrots in cold storage
<i>Fibularhizoctonia</i>	<i>Rhizoctonia carotae</i> Rader 1948	
	<i>Fibularhizoctonia carotae</i> (Rader) G.C. Adams & Kropp 1996	
	<i>Athelia rolfsii</i> (Curzi) Tu & Kimbr. 1978	Blight and rots of various hosts, storage rots
	<i>Corticium rolfsii</i> Curzi 1931	
	<i>Pellicularia rolfsii</i> (Curzi) E. West 1947	
	<i>Botrybasidium rolfsii</i> (Curzi) Venkatar. 1950	
	<i>Sclerotium rolfsii</i> Sacc. 1911	
Cantharellales		
Ceratobasidiaceae		

<i>Ceratobasidium</i>	<i>Ceratobasidium noxium</i> (Donk) P. Roberts 1999 <i>Koleroga noxia</i> Donk 1958	Web blight on living leaves and stems
<i>Ceratorhiza</i> <i>Rhizoctonia</i>	<i>Ceratorhiza hydrophila</i> (Sacc.) Z. Xu et al. 2010 <i>Sclerotium hydrophilum</i> Sacc. 1899	Stem rot of rice and other hosts, widespread
<i>Rhizoctonia</i> <i>Thanatephorus</i>	<i>Rhizoctonia solani</i> J.G. Kühn 1858 <i>Moniliopsis solani</i> (J.G. Kühn) R.T. Moore 1987 <i>Moniliopsis aderholdii</i> Ruhland 1908 <i>Hypochnus cucumeris</i> A.B. Frank 1883 <i>Thanatephorus cucumeris</i> (A.B. Frank) Donk 1956 <i>Pellicularia filamentosa</i> f. sp. <i>sasakii</i> Exner 1953 <i>Hypochnus filamentosus</i> Pat. 1926 <i>Pellicularia filamentosa</i> (Pat.) D.P. Rogers 1943 <i>Sclerotium griseum</i> J.A. Stev. 1919 <i>Rhizoctonia grisea</i> (J.A. Stev.) J. Matz 1920 <i>Rhizoctonia pallida</i> J. Matz 1921 <i>Hypochnus sasakii</i> Shirai 1906 <i>Corticium sasakii</i> (Shirai) H. Matsumoto 1934 <i>Pellicularia sasakii</i> (Shirai) S. Ito 1955 <i>Thanatephorus sasakii</i> (Shirai) C.C. Tu & Kimbr. 1978 <i>Hypochnus solani</i> Prill. & Delacr. 1891 <i>Corticium solani</i> (Prill. & Delacr.) Bourdot & Galzin 1911 <i>Corticium vagum</i> var. <i>solani</i> Burt 1903	Root rot, damping off of seedlings, leaf and fruit rot. Plurivorous, commonly on roots, also stems, seedlings, leaves, fruits. Cosmopolitan
Corticiales <i>Corticaceae</i> <i>Erythricium</i>	<i>Erythricium salmonicolor</i> (Berk. & Broome) Burds. 1985 <i>Corticium salmonicolor</i> Berk. & Broome 1873 <i>Botryobasidium salmonicolor</i> (Berk. & Broome) Venkatar. 1950 <i>Pellicularia salmonicolor</i> (Berk. & Broome) Dastur 1946 <i>Phanerochaete salmonicolor</i> (Berk. & Broome) Jülich 1975 <i>Terana salmonicolor</i> (Berk. & Broome) Kuntze 1891 <i>Necator decretus</i> Masee 1898 <i>Aleurodiscus javanicus</i> Henn. 1900 <i>Corticium javanicum</i> (Henn.) Sacc. & P. Syd. 1902 <i>Corticium zimmermannii</i> Sacc. & P. Syd. 1902	Pink thread, limb blight disease of tropical plants
<i>Laetisaria</i>	<i>Laetisaria fuciformis</i> (McAlpine) Burds. 1979 <i>Hypochnus fuciformis</i> McAlpine 1906 <i>Isaria fuciformis</i> Berk. 1872	Red thread and pink patch diseases of turf grasses
<i>Limonomyces</i>	<i>Limonomyces roseipellis</i> Stalpers & Loer. 1982	Pink patch disease on turf grasses. Ryegrass

Cystofilobasidiales
 Cystofilobasidiaceae
Iterosonilia^(RPB2, TEF1)

***Iterosonilia perplexans* Derx 1948**

Blight and black canker of various vegetables

Hymenochaetales
 Hymenochaetaceae
Coniferiporia

***Coniferiporia weirii* (Murrill) L.W. Zhou & Y.C. Dai 2016**

Root rots, sapwood rots, heart rots

Fomitiporia weirii Murrill 1914
Inonotus weirii (Murrill) Kotl. & Pouzar 1917
Phellinus weirii (Murrill) Gilb. 1974

Inonotus
Phaeolus

***Inonotus tomentosus* (Fr.) Teng 1964**

Root rot, sapwood rot, heart rot
 Brown rot and butt rot on stumps and buried roots of conifers in northern hemisphere
 White rot

***Phaeolus schweinitzii* (Fr.) Pat. 1900**

Polyporus schweinitzii Fr. 1821

Phellinus^(RPB2, TEF1)

***Phellinus igniarius* (L.) Quél. 1996**

Fomes igniarius (L.) Fr., 1821
Fomes nigricans (Fr.) Fr. 1849
Phellinus nigricans (Fr.) P. Karst. 1899

Porodaedalea^(TEF1)

***Porodaedalea pini* (Brot.) Murrill 1905**

Red ring rot, White speck, heartwood rot, primarily of conifers

Fomes pini (Thore) P. Karst. 1882
Phellinus pini (Brot.) Pilát 1979

Pyrrhoderma

***Pyrrhoderma noxium* (Corner) L.W. Zhou & Y.C. Dai 2018**

Brown root rot

Fomes noxius Corner 1932
Phellinus noxius (Corner) G. Cunn. 1965

Polyporales
 Coriolaceae
Fomes^(RPB2)

***Fomes fomentarius* L. 1849**

White, mottled rot, trunk rot, hoof fungus, tinder fungus, in temperate northern hemisphere

Boletus fomentarius L. 1753
Ungulina fomentaria (L.) Pat. 1900
Polyporus fomentarius L. 1821
Pyropolyporus fomentarius (L.) Teng 1963
Fomes griseus Lázaro Ibiza 1916

Fomitopsis^(RPB2, TEF1)

***Fomitopsis betulina* (Bull.) P. Karst.**

Sapwood rot of birch, birch conk in northern hemisphere

Boletus betulinus Bull. 1788
Polyporus betulinus (Bull.) Fr. 1821
Piptoporus betulinus (Bull.) P. Karst. 1881

***Fomitopsis pinicola* (Sw.) P. Karst. 1881**

Red belt fungus, usually conifers; heart rot of living conifers and black cherry; important in decay of lumber and wood

Boletus pinicola Sw. 1810
Fomes pinicola (Sw.) Fr. 1849
Placodes pinicola (Sw.) Pat. 1887

	<i>Polyporus pinicola</i> (Sw.) Fr. 1821	in service, in temperate northern hemisphere
	<i>Pseudofomes pinicola</i> (Sw.) Lázaro Ibiza 1916	
	<i>Trametes pinicola</i> (Sw.) P. Karst. 1882	
	<i>Favolus pinihalepensis</i> Pat. 1897	
	<i>Fomes subungulatus</i> Murrill 1908	
<i>Meripilus</i>	<i>Meripilus giganteus</i> (Pers.) P. Karst. 1882	Root rot of beech, oak
<i>Trametes</i> ^(RPB2, TEF1)	<i>Trametes versicolor</i> (L.) Pilát 1920 [1921]	Turkey tails, commonly saprobic, also opportunistically pathogenic, causing papery bark, weak bud unions, dieback and white rot, cosmopolitan
	<i>Boletus versicolor</i> L. 1753	
	<i>Coriolus versicolor</i> (L.) Qué. 1886	
	<i>Polyporus versicolor</i> (L.) Fr. 1821	
	<i>Polystictus versicolor</i> (L.) Fr. 1851	
<i>Ganodermataceae</i>		
<i>Ganoderma</i> ^(RPB2, TEF1)	<i>Ganoderma curtisii</i> (Berk.) Murrill 1908	Root and heart rot of primarily hardwoods
	<i>Ganoderma lucidum</i> (Curtis) P. Karst. 1881	Root rot, sapwood and heart rot of various hardwoods. Primarily Europe and Asia
	<i>Boletus lucidus</i> Curtis 1922	
	<i>Grifola lucida</i> (Curtis) Gray 1821	
	<i>Fomes lucidus</i> (Curtis) Cooke 1851	
	<i>Phaeoporus lucidus</i> (Curtis) J. Schröt. 1888	
	<i>Placodes lucidus</i> (Curtis) Qué. 1888	
	<i>Polyporus lucidus</i> (Curtis) Fr. 1821	
	<i>Ganoderma sessile</i> Murrill 1902	Root and heart rot of hardwoods
	<i>Ganoderma tsugae</i> Murrill 1902	Root and heart rot primarily of Eastern hemlock
	<i>Polyporus tsugae</i> (Murrill) Overh. 1915	
	<i>Ganoderma zonatum</i> Murrill 1902	Lethal butt rot of palms, lower trunk and roots, southern US, Asia
	<i>Polyporus lucidus</i> var. <i>zonatus</i> (Murrill) Overh. 1953	
	<i>Ganoderma sulcatum</i> Murrill 1902	
<i>Grifolaceae</i>		
<i>Grifola</i>	<i>Grifola frondosa</i> (Dicks.) SF Gray 1821	Root rot of oak
<i>Meripilaceae</i>		
<i>Rigidoporus</i>	<i>Rigidoporus microporus</i> (Sw.) Overeem 1924	White root rot, white pocket rot of various hosts
	<i>Boletus microporus</i> Sw. 1806	
	<i>Rigidoporus lignosus</i> (Klotzsch) Imazeki 1952	
	<i>Polyporus microporus</i> (Sw.) Fr. 1821	
	<i>Polyporus lignosus</i> Klotzsch 1833	
<i>Polyporaceae</i>		
<i>Cerrena</i>	<i>Cerrena unicolor</i> (Bull.) Murrill 1903	Sapwood rot of hardwoods
	<i>Boletus unicolor</i> Bull. 1785	
	<i>Daedalea unicolor</i> (Bull.) Fr. 1821	
	<i>Trametes unicolor</i> (Bull.) Pilát 1939	

<i>Perenniporia</i>	<i>Perenniporia fraxinea</i> (Bull.) Ryvarden 1978 <i>Boletus fraxineus</i> Bull. 1790 <i>Fomitella fraxinea</i> (Bull.) Imazeki 1989 <i>Poria fraxinea</i> (Bull.) Ginns 1984 <i>Trametes fraxinea</i> (Bull.) P. Karst. 1882 <i>Ungulina fraxinea</i> (Bull.) Bourdot & Galzin 1925 <i>Vanderbylia fraxinea</i> (Bull.) D.A. Reid 1973 <i>Ischnoderma fraxineum</i> (Bull.) P. Karst. 1889 <i>Scindalma fraxineum</i> (Bull.) Kuntze 1898 <i>Fomes fraxineus</i> (Bull.) Cooke 1885 <i>Haploporus fraxineus</i> (Bull.) Bondartseva 1983 <i>Placodes fraxineus</i> (Bull.) Quél. 1886 <i>Polyporus fraxineus</i> (Bull.) Fr. 1821	White rot of trunk and roots of hardwoods in northern hemisphere
Russulales		
<i>Bondarzewiaceae</i>		
<i>Heterobasidion</i> ^(RPB1, RPB2)	<i>Heterobasidion annosum</i> (Fr.) Bref. 1888 <i>Spiniger meineckellus</i> (A.J. Olson) Stalpers 1974	Root rot, heart rot of conifers
<i>Spiniger</i>		
<i>Echinodontiaceae</i>		
<i>Echinodontium</i>	<i>Echinodontium tinctorium</i> (Ellis & Everh.) Ellis & Everh. 1900	Heart rot of conifers
<i>Stereaceae</i>		
<i>Amylostereum</i>	<i>Amylostereum areolatum</i> (Fr.) Boidin 1958	Sapwood decay of conifers, vectored by woodwasp
<i>Cystostereum</i>	<i>Cystostereum murrayi</i> (Berk. & M.A. Curtis) Pouzar 1959 <i>Thelephora murrayi</i> Berk. & M.A. Curtis 1868 <i>Stereum murrayi</i> (Berk. & M.A. Curtis) Burt 1920 <i>Corticium effusum</i> Overh. 1930	Wound decays, canker rot of hardwoods
<i>Xylobolus</i>	<i>Xylobolus frustulatus</i> (Pers.) P. Karst. 1881 <i>Stereum frustulosum</i> (Pers.) Fr. 1838	Heart rot of oak, white pocket rot
Thelephorales		
<i>Typhulaceae</i>		
<i>Typhula</i> ^(RPB2, TEF1)	<i>Typhula ishikariensis</i> S. Imai 1930	Snow mold of cereals, turf grass
Pucciniomycotina		
Helicobasidiales		
<i>Helicobasidiaceae</i>		
<i>Helicobasidium</i>	<i>Helicobasidium purpureum</i> (Tul.) Pat. 1885 <i>Hypochnus purpureus</i> Tul. 1865 <i>Stypinella purpurea</i> (Tul.) J. Schröt. 1889 <i>Rhizoctonia violacea</i> Tul. & C. Tul. 1851 <i>Rhizoctonia allii</i> A.H. Graves 1830	Violet root rot. On numerous hosts. Cosmopolitan

Rhizoctonia asparagi Fuckel ex Erikss. 1915
Protonema brebissonii Desm. 1834
Helicobasidium brebissonii (Desm.) Donk 1958
Sclerotium crocorum Pers. 1801
Rhizoctonia crocorum (Pers.) DC. 1815
Thanatophytum crocorum (Pers.) Nees 1816
Rhizoctonia dauci Rabenh. 1855
Rhizoctonia medicaginis DC. 1815
Tubercularia persicina Ditmar 1817
Tuberculina persicina (Ditmar) Sacc. 1881

Krigeriales

Kriegeriaceae

Kriegeria

Microbotryales

Microbotryaceae

Microbotryum

***Kriegeria eriophori* Bres. 1891**

Pathogen of sedges

***Microbotryum violaceum* (Pers.) G. Deml & Oberw. 1982**

Anther smuts

Caeoma antherarum (DC.) Nees 1816 [1816-17]
Caeoma violaceum (Pers.) Nees 1816 [1816-17]
Erysibe antherarum (DC.) Wallr. 1832
Microbotryum antherarum (DC.) Lév. 1847
Uredo antherarum DC. 1815
Uredo antherarum a silenes-nutantis DC. 1815
Uredo violacea Pers. 1979
Ustilago antherarum (DC.) Fr. 1832
Ustilago silenes-nutantis (DC.) Liro 1924
Ustilago violacea (Pers.) Roussel 1806
Ustilago violacea var. *silenes-nutantis* (DC.) Durrieu & Zambett. 1973

Mixiales

Mixiaceae

Mixia

***Mixia osmundae* (Nishida) C.L. Kramer 1959**

Fern pathogen

Taphrina osmundae Nishida 1911**Platyglloeales**

Eocronartiaceae

Eocronartium

***Eocronartium muscicola* (Pers.) Fitzp. 1918**

Moss pathogen

Clavaria muscicola Pers. 1799
Helicobasidium typhuloides (G.F. Atk.) Pat. 1920
Pistillaria muscicola (Pers.) Fr. 1821

Pucciniales

Coleosporiaceae

Chrysomyxa

***Chrysomyxa ledi* (Alb. & Schwein.) de Bary 1879**

Spruce-rhododendron rust

	<i>Chrysomyxa ledicola</i> Lagerh. 1893	
	<i>Chrysomyxa pyrolae</i> Rostr. 1881	
<i>Coleosporium</i>	<i>Coleosporium asterum</i> (Dietel) Syd. & P. Syd. 1914	Needle rust of pine, Rust of <i>Asteraceae</i>
	<i>Stichopsora asterum</i> Dietel 1899	
	<i>Coleosporium ipomoeae</i> (Schwein.) Burrill 1885	Rust of <i>Convolvulaceae</i>
<i>Cronartium</i>	<i>Cronartium flaccidum</i> (Alb. & Schwein.) G. Winter 1880	Scotch pine blister rust; resin canker.
	<i>Sphaeria flaccida</i> Alb. & Schwein. 1805	Heteroecious rust. Infection through
	<i>Aecidium asclepiadeum</i> Wallr. 1833	foliage or stem wounds
	<i>Cronartium asclepiadeum</i> (Willd.) Fr. 1815	
	<i>Peridermium cornui</i> Rostr. ex Kleb. 1890	
	<i>Cronartium nemesiae</i> Vestergr. 1896	
	<i>Cronartium paeoniae</i> Castagne 1845	
	<i>Cronartium occidentale</i> Hedge. et al. 1918	Pinyon blister rust
	<i>Cronartium quercuum</i> (Berk.) Miyabe ex Shirai 1899	Eastern pine gall rust
	<i>Cronartium ribicola</i> J.C. Fisch. 1872	White pine blister rust
<i>Thekopsora</i>	<i>Thekopsora americana</i> (Farl.) Aime & McTaggart 2020 [2021]	Foliage rust of spruce
	<i>Pucciniastrum americanum</i> (Farl.) Arthur 1920	
	<i>Pucciniastrum arcticum</i> var. <i>americanum</i> Farl. 1908	
	<i>Thekopsora areolata</i> (Fr.) Magnus 1875	Cherry spruce rust
	<i>Pucciniastrum areolatum</i> (Fr.) G.H. Oth 1864 [1863]	
<i>Crossosporaceae</i>		
<i>Angiopsora</i>	<i>Angiopsora apoda</i> (Har. & Pat.) Aime & McTaggart 2020 [2021]	Kikuyu grass rust
	<i>Puccinia apoda</i> Har. & Pat. 1909	
	<i>Phakopsora apoda</i> (Har. & Pat.) Mains 1938	
<i>Kweilingia</i>	<i>Kweilingia divina</i> (Syd.) Buriticá 1998	Bamboo rust
<i>Dasturella</i>	<i>Angiopsora divina</i> Syd. 1936	
<i>Neolivea</i> ^(COX3)	<i>Neolivea tectonae</i> (Racib.) Aime & McTaggart 2020 [2021]	Teak rust
	<i>Uredo tectonae</i> Racib 1900	
	<i>Olivea tectonae</i> (Racib.) Thirum 1949	
	<i>Tegillum tectonae</i> (Racib.) Doweld 2013	
	<i>Chaconia tectonae</i> T.S. Ramakr. & K. Ramakr 1949	
	<i>Olivea tectonae</i> (T.S. Ramakr. & K. Ramakr.) R.L. Mulder 1973	
	<i>Tegillum neotectonae</i> (Buriticá & Salazar-Yepes) Doweld 2013	
<i>Neophysopella</i>	<i>Neophysopella ampelopsidis</i> (Dietel & P. Syd.) Jing X. Ji & Kakish. 2019	Rust of grape
	<i>Angiopsora ampelopsidis</i> (Dietel & P. Syd.) Thirum. & F. Kern 1949	
	<i>Physopella ampelopsidis</i> (Dietel & P. Syd.) Cummins & Ramachar 1958	
	<i>Neophysopella meliosmae-myrianthae</i> (Henn. & Shirai) Jing X. Ji & Kakish. 2019	Asian grapevine leaf rust
	<i>Aecidium meliosmae-myrianthae</i> Henn. & Shirai 1900	
	<i>Phakopsora meliosmae-myrianthae</i> (Henn. & Shirai) Y. Ono 2012	
	<i>Neophysopella tropicalis</i> Y. Ono et al. 2020	Asian grapevine leaf rust

Gymnosporangiaceae
Gymnosporangium

***Gymnosporangium clavipes* (Cooke & Peck) Cooke & Peck 1873**

Gymnosporangium germinale F. Kern 1908

***Gymnosporangium globosum* (Farl.) Farl. 1886**

Gymnosporangium fuscum var. *globosum* Farl. 1880

Aecidium globosum Farl. 1905

***Gymnosporangium juniperi-virginianae* Schwein. 1822**

Podisoma juniperi-virginianae (Schwein.) Fr. 1832

Gymnosporangium macropus Link 1825

Roestelia pyrate Thaxt. 1887

Aecidium pyrolatum Schwein. 1832

Gymnosporangium virginianum Spreng. 1827

***Gymnosporangium sabiniae* (Dicks.) G. Winter 1884**

Tremella sabiniae Dicks. 1785

Puccinia juniperi Pers. 1794

***Gymnosporangium yamadai* Miyabe ex G. Yamada 1904**

***Gymnotelium blasdaleanum* (Dietel & Holw.) Arthur 1929**

Aecidium blasdaleanum Dietel & Holw. 1895

Gymnosporangium libocedri (Henn.) F. Kern 1908

Gymnosporangium blasdaleanum (Dietel & Holw.) F. Kern 1911

Phragmidium libocedri Henn. 1898

Gymnotelium

Peridiopsora

***Peridiopsora mori* (Barclay) K.V. Prasad et al. 1993**

Aecidium mori (Barclay) Syd. & E.J. Butler 1907

Caeoma mori Barclay 1890

Uredo mori (Barclay) Sacc. 1891

Melampsoraceae

Ceropsora

***Ceropsora weirii* (H.S. Jacks.) Aime & McTaggart 2020 [2021]**

Chrysomyxa weirii H.S. Jacks. 1817

Melampsora

***Melampsora epitea* Thüm. 1879**

Melampsora alpina Juel 1894

Melampsora hartigii Thüm. 1879

Melampsora repentis Plowr. 1891

***Melampsora laricis-populina* Kleb. 1902**

***Melampsora lini* (Ehrenb.) Lév. 1870**

Xyloma lini Ehrenb. 1818

Melampsora lini (Ehrenb.) Lév. 1847

Uredo lini DC. 1805

Melampsora lini var. *liniperda* Körn. 1865

Melampsora liniperda (Körn.) Palm 1910

Cedar-quince rust. Primarily on fruit; also stems and twigs. North America
American Hawthorn rust

Cedar-apple rust

Incense cedar-pear rust, juniper gall rust,
pear trellis rust

Japanese apple rust.
Incense cedar rust

Mulberry rust

Rust of *Picea*

Living leaves and needles, fir-willow
rust

Living leaves and needles, larch-poplar
rust
Flax rust

	<i>Melampsora lini</i> var. <i>major</i> Fuckel 1870	
	<i>Macrosporium lini-cathartici</i> Unamuno 1933	
	<i>Melampsora lini-usitatissimi</i> Kuprev. 1957	
	<i>Melampsora occidentalis</i> H. Jacks. 1917	Leaf rust of cottonwood
<i>Milesiaceae</i>		
<i>Naohidemyces</i>	<i>Naohidemyces vaccinii</i> (Jørst.) S. Sato et al. 2007	Rust of blueberry
	<i>Pucciniastrum vaccinii</i> Jørst. 1951	
	<i>Thekopsora vaccinii</i> (Jørst.) Hirats. f. 1955	
<i>Uredinopsis</i>	<i>Uredinopsis pteridis</i> Dietel & Holw. 1895	Foliage rust of firs and ferns
<i>Phakopsoraceae</i>		
<i>Phakopsora</i>	<i>Phakopsora crotonis</i> (Cooke) Arthur 1917	Rust of <i>Croton</i>
	<i>Bubakia crotonis</i> Arthur 1906	
	<i>Phakopsora meibomiaae</i> (Arthur) Arthur 1917	New world soybean rust
	<i>Malupa meibomiaae</i> (Arthur) Y. Ono et al. 1992	
	<i>Physopella meibomiaae</i> Arthur 1917	
	<i>Phakopsora pachyrhizi</i> Syd. & P. Syd. 1914	Asian soybean rust
	<i>Phakopsora sojae</i> Fujik. 1926	
	<i>Physopella pachyrhizi</i> (Syd. & P. Syd.) Azbukina 1970	
	<i>Uredo sojae</i> Henn. 1903	
	<i>Uromyces sojae</i> (Henn.) Syd. & P. Syd. 1906	
<i>Phragmidiaceae</i>		
<i>Gerwasia</i>	<i>Gerwasia imperialis</i> (Speg.) J.C. Lindq. 1963	Fruit rust of cane fruits (raspberry and blackberry), Central and South America
	<i>Uredo imperialis</i> Speg. 1898	
	<i>Mainsia imperialis</i> (Speg.) J.C. Lindq. 1939	
	<i>Morispora imperialis</i> (Speg.) Salazar-Yepes et al. 2007	
	<i>Mainsia holwayii</i> H.S. Jacks. 1931	
	<i>Gerwasia holwayi</i> (H.S. Jacks.) Buriticá 1994	
	<i>Morispora holwayii</i> (H.S. Jacks.) Salazar-Yepes et al. 2007	
<i>Gymnoconia</i>	<i>Gymnoconia interstitialis</i> (Schltdl.) Lagerh. 1894	Orange rust of cane fruits (raspberry)
<i>Kuehneola</i>	<i>Kuehneola uredinis</i> (Link) Arthur 1906	Cane and leaf rust of cane fruits (blackberry)
	<i>Uredo uredinis</i> Link 1824	
	<i>Chrysomyxa albida</i> J.G. Kühn 1883	
	<i>Kuehneola albida</i> (J.G. Kühn) Magnus 1898	
<i>Phragmidium</i>	<i>Phragmidium kamtschatkae</i> (H.W. Anderson) Arthur & Cummins 1933	Rose rust
<i>Frommeella</i>	<i>Puccinia kamtschatkae</i> H.W. Anderson 1891	
	<i>Dicaeoma kamtschatkae</i> (H.W. Anderson) Kuntze 1898	
	<i>Teloconia kamtschatkae</i> (H.W. Anderson) Hirats. f. 1943	
	<i>Dicaeoma rosae</i> Kuntze 1898	
	<i>Teloconia rosae</i> (Kuntze) Syd. 1921	

	<i>Phragmidium rosae</i> (Kuntze) Tranzschel 1914	
	<i>Phragmidium tormentillae</i> Fuckel 1870	Rust of <i>Potentilla</i>
	<i>Frommeella tormentillae</i> (Fuckel) Cummins & Y. Hirats 1983	
	<i>Kuehneola tormentillae</i> (Fuckel) Arthur 1906	
	<i>Xenodochnus tormentillae</i> (Fuckel) Magnus 1899	
	<i>Aregma triarticulatum</i> Berk. & M.A. Curtis 1874	
	<i>Phragmidium triarticulatum</i> (Berk. & M.A. Curtis) Farl. 1876	
	<i>Phragmidium tuberculatum</i> J. Müll. 1885	Rust of blackberry, rose, rosaceous hosts
	<i>Phragmidium violaceum</i> (Schultz) G. Winter 1880	Blackberry rust
	<i>Puccinia violacea</i> Schultz 1806	
	<i>Phragmidium asperum</i> Wallr. 1833	
<i>Pileolariaceae</i>		
<i>Pileolaria</i>		
	<i>Pileolaria terebinthi</i> (DC.) Castagne 1842	Rust of pistachio
	<i>Pileolaria toxicodendri</i> (Berk. & Ravenel) Arthur 1907	Poison ivy rust
<i>Pucciniaceae</i>		
<i>Leptopuccinia</i>		
	<i>Leptopuccinia malvacearum</i> (Bertero ex Mont.) Rostr. 1902	Hollyhock rust
	<i>Puccinia malvacearum</i> Bertero ex Mont. 1852	
	<i>Dasysspora malvacearum</i> (Bertero ex Mont.) Arthur 1906	
	<i>Dicaeoma malvacearum</i> (Bertero ex Mont.) Kuntze 1898	
	<i>Micropuccinia malvacearum</i> (Bertero ex Mont.) Arthur & H.S. Jacks. 1921	
	<i>Puccinia sidae-rhombifoliae</i> Mayor 1927	
<i>Puccinia</i>	<i>Puccinia graminis</i> Pers. 1794	Wheat stem rust, rust of grasses
	<i>Puccinia albigensis</i> Mayor 1957	
	<i>Puccinia anthistiriae</i> Barclay 1889	
	<i>Aecidium berberidis</i> Pers. 1933	
	<i>Puccinia brizae-maximae</i> T.S. Ramakr. 1953	
	<i>Puccinia cerealis</i> H. Mart. 1817	
	<i>Puccinia elymina</i> Miura 1928	
	<i>Puccinia favargerii</i> Mayor 1957	
	<i>Puccinia graminis</i> f. sp. <i>tritici</i> Erikss. & E. Henn.	
	<i>Puccinia graminis</i> var. <i>agropyri-repentis</i> Guyot	
	<i>Puccinia graminis</i> var. <i>tritici</i> Guyot et al. ex Z. Urb. 1946 [1945-46]	
	<i>Puccinia jubata</i> Ellis & Barthol. 1896	
	<i>Puccinia linearis</i> Röhl. 1813	
	<i>Puccinia megalopotamica</i> Speg. 1899	
	<i>Puccinia vilis</i> Arthur 1901	
	<i>Puccinia horiana</i> Henn. 1901	Chrysanthemum white rust
	<i>Puccinia pelargonii-zonalis</i> Doidge 1926	Rust on <i>Pelargonium</i>
	<i>Puccinia sorghi</i> Schwein. 1832	Maize rust
	<i>Dicaeoma sorghi</i> (Schwein.) Kuntze 1898	

	<i>Tilletia epiphylla</i> Berk. & Broome 1882	
	<i>Puccinia maydis</i> Berenger 1844	
	<i>Aecidium oxalidis</i> Thüm. 1876	
	<i>Puccinia zea</i> Berenger 1851	
	<i>Puccinia striiformis</i> Westend. 1854	Stripe rust of wheat and other grasses
	<i>Puccinia glumarum</i> Erikss. & E. Henn. 1894	
	<i>Dicaeoma glumarum</i> (Erikss. & Henning) Arthur & Fromme 1920	
	<i>Uredo glumarum</i> J.K. Schmidt 1827	
	<i>Puccinia tritici</i> Oerst. 1863	
	<i>Puccinia neglecta</i> Westend. 1863	
	<i>Puccinia lineatula</i> Bubák 1914	
	<i>Puccinia stapfiolae</i> Mundk. & Thirum. 1946	
<i>Uromyces</i>	<i>Uromyces appendiculatus</i> (Pers.) Unger 1836	Common bean rust
	<i>Uredo appendiculata</i> Pers. 1796	
	<i>Hypodermium appendiculatum</i> (Pers.) Link 1815[1816]	
	<i>Uromyces aberrans</i> Dietel 1901	
	<i>Uredo appendiculata</i> var. <i>phaseoli</i> Pers. 1796	
	<i>Uromyces phaseoli</i> (Pers.) G. Winter 1881	
	<i>Puccinia phaseoli</i> (Pers.) Rebent. 1804	
	<i>Uromyces fatouae</i> Henn. 1902	
	<i>Uredo phaseoli</i> F. Strauss 1811	
	<i>Puccinia phaseolorum</i> R. Hedw. ex DC. 1805	
	<i>Coeomurus phaseolorum</i> (R. Hedw. ex DC.) Gray 1821	
	<i>Uromyces phaseolorum</i> de Bary 1863	
	<i>Uromyces gladioli</i> Henn. 1895	Rust of <i>Iridaceae</i>
	<i>Uromyces babianae</i> Doidge 1927	
	<i>Uromyces geissorhizae</i> Henn. 1900	
	<i>Uromyces romuleae</i> Van der Byl & Werderm. 1923	
	<i>Uromyces graminicola</i> Burrill 1884	Rust of <i>Panicum</i>
	<i>Puccinella graminicola</i> (Burrill) Syd. 1922	
	<i>Uromyces panici</i> Tracy 1893	
	<i>Aecidium splendens</i> G. Winter 1885	
	<i>Uromyces transversalis</i> G. Winter 1884	Rust of <i>Iris</i>
	<i>Uredo transversalis</i> Thüm. 1876	
	<i>Uromyces watsoniae</i> Syd. & P. Syd. 1910	
<i>Pucciniastraceae</i>		
<i>Calyptospora</i>	<i>Calyptospora goeppertiana</i> J.G. Kühn 1869	Huckleberry witches' broom
	<i>Pucciniastrum goeppertianum</i> (J.G. Kühn) Kleb. 1904	
	<i>Melampsora goeppertiana</i> (J.G. Kühn) G. Winter 1881	
	<i>Aecidium columnare</i> Alb. & Schwein. 1805	

	<i>Peridermium columnare</i> Kunze & J.C. Schmidt 1815	
	<i>Calyptospora columnaris</i> J.G. Kühn 1886	
	<i>Melampsora columnaris</i> Wettst. 1885	
	<i>Uredo columnaris</i> Spreng. 1827	
	<i>Caecoma columnneum</i> Link 1825	
	<i>Peridermium holwayi</i> Syd. 1903	
	<i>Peridermium ornamentale</i> Arthur 1901	
<i>Hyalopsora</i>	<i>Hyalopsora aspidiotus</i> (Magnus) Magnus 1901	Rust of ferns, spermatophyte and aecial states on <i>Abies</i> sp. (<i>Pinaceae</i>)
	<i>Uredo aspidiotus</i> Peck 1872	
	<i>Melampsorella aspidiotus</i> Magnus 1895	
	<i>Uredo polypodii</i> var. <i>polypodii-dryopteridis</i> DC. 1815	
	<i>Hyalopsora polypodii-dryopteridis</i> (DC.) Sacc. 1905	
<i>Melampsoridium</i>	<i>Melampsoridium hiratsukanum</i> S. Ito ex Hirats. f. 1927	Rust on larch and <i>Betulaceae</i> , invasive, Asia, Europe
<i>Pucciniastrum</i>	<i>Pucciniastrum epilobii</i> (Pers.) G.H. Otth 1861	Rust of <i>Fuchsia</i>
	<i>Pucciniastrum guttatum</i> (J. Schröt.) Hyl. et al. 1953	Rust of <i>Gallium</i>
	<i>Thekopsora guttata</i> (J. Schröt.) P. Syd. & Syd. 1915	
	<i>Pucciniastrum minimum</i> Arthur 1906	Blueberry rust
	<i>Thekopsora minima</i> (Arthur) P. Syd. & Syd. 1915	
	<i>Caecoma azaleae</i> Schwein. 1832 [1834]	
<i>Raveneliaceae</i>		
<i>Endoraecium</i>	<i>Endoraecium digitatum</i> (G. Winter) M. Scholler & Aime 2006	Witches' broom of <i>Acacia</i>
	<i>Uromyces digitatus</i> G. Winter 1887	
	<i>Atelocauda digitata</i> (G. Winter) Cummins & Y. Hirats. 1983	
	<i>Racospermyces digitatus</i> (G. Winter) J. Walker 2001	
	<i>Uredo notabilis</i> F. Ludw. 1890	
<i>Prospodium</i>	<i>Prospodium transformans</i> (Ellis & Everh.) Cummins 1940	Gall rust fungus of <i>Bignoniaceae</i>
	<i>Puccinia transformans</i> Ellis & Everh. 1897	
	<i>Nephlyctis transformans</i> (Ellis & Everh.) Arthur 1907	
<i>Ravenelia</i> ^(COX3)	<i>Ravenelia sessilis</i> Berk. 1875	Rust of <i>Albizia</i>
	<i>Haploravenelia sessilis</i> (Berk.) Syd. 1921	
	<i>Ravenelia clemensiae</i> Syd. 1928	
	<i>Ravenelia zeylanica</i> Dietel 1906	
	<i>Ravenelia spagazziniana</i> J.C. Lindq. 1946	Rust of <i>Acacia</i>
	<i>Ravenelia tandonii</i> Syd. 1937	Rust of <i>Acacia</i>
<i>Uromycladium</i> ^(COX3)	<i>Uromycladium tepperianum</i> (Sacc.) McAlpine 1906	<i>Acacia</i> rust
	<i>Uromyces tepperianus</i> Sacc. 1889	
<i>Rogerpetersoniaceae</i>		
<i>Rogerpetersonia</i> ^(COX3)	<i>Rogerpetersonia torreyae</i> (Bonar) Aime & McTaggart 2020 [2021]	Rust on <i>Torreya</i>
	<i>Caecoma torreyae</i> Bonar 1951	

<i>Sphaerophragmiaceae</i>		
<i>Austropuccinia</i>	<i>Austropuccinia psidii</i> (G. Winter) Beenken 2017	Myrtle rust
	<i>Puccinia psidii</i> G. Winter 1884	
<i>Dasyscypha</i>	<i>Dasyscypha gregaria</i> (Kunze) Henn 1896	Rust of <i>Annonaceae</i>
	<i>Puccinia gregaria</i> Kunze 1828	
<i>Tranzscheliaceae</i>		
<i>Tranzschelia</i>	<i>Tranzschelia discolor</i> (Fuckel) Tranzschel & M.A. Litv. 1939	Peach rust; rust of stone fruit; rust of florists' anemone.
	<i>Puccinia discolor</i> Fuckel 1867	
	<i>Puccinia pruni-spinosae</i> f. <i>discolor</i> (Fuckel) J.C. Fisch. 1904	
	<i>Tranzschelia pruni-spinosae</i> var. <i>discolor</i> (Fuckel) Dunegan 1938	
	<i>Tranzschelia pruni-spinosae</i> (Pers.) Dietel 1922	Peach rust
	<i>Puccinia pruni-spinosae</i> Pers. 1801	
	<i>Dicaeoma pruni-spinosae</i> (Pers.) Kuntze 1898	
	<i>Puccinia pruni</i> DC. 1805	
	<i>Uromyces prunorum</i> Fuckel 1861	
	<i>Tranzschelia punctata</i> Arthur 1907	
	<i>Aecidium punctatum</i> Pers. 1801	
<i>Zaghouaniaceae</i>		
<i>Blastospora</i>	<i>Blastospora betulae</i> S. Kaneko & Hirats. f. 1981	Rust of <i>Betula</i>
<i>Hemileia</i>	<i>Hemileia coffeicola</i> Maubl. & Roger 1934	Coffee rust. Africa and India
	<i>Uredo coffeicola</i> Maubl. & Roger 1934	
	<i>Hemileia vastatrix</i> Berk. & Broome 1869	Coffee leaf rust. Widespread
<i>Mikronegeria</i>	<i>Mikronegeria alba</i> Oehrens & R.S. Peterson 1978	Rust of <i>Nothofagus</i> . Southern hemisphere
<i>Zaghouania</i>	<i>Zaghouania oleae</i> (E.J. Butler) Cummins 1960	Rust of <i>Oleaceae</i>
<i>Cystopsora</i>	<i>Cystopsora oleae</i> E.J. Butler 1910	
<i>Ustilaginomycotina</i>		
<i>Ceraceosorales</i>		
<i>Ceraceosoraceae</i>		
<i>Ceraceosorus</i>	<i>Ceraceosorus bombacis</i> (B.K. Bakshi) B.K. Bakshi 1976	Cotton tree pathogen. Asia
	<i>Dicellomyces bombacis</i> B.K. Bakshi 1973	
<i>Doassansiales</i>		
<i>Doassansiaceae</i>		
<i>Doassansia</i>	<i>Doassansia niesslii</i> De Toni 1888	Leaf smut of aquatic plants
<i>Doassansiopsis</i>	<i>Doassansiopsis horiana</i> (Henn.) Y.Z. Shen 1934	Leaf smut of <i>Sagittaria</i>
	<i>Doassansia horiana</i> Henn. 1905	
<i>Entylomatales</i>		
<i>Entylomataceae</i>		
<i>Entyloma</i>	<i>Entyloma australe</i> Speg. 1880	Leaf smut of tomatillo

	<i>Entyloma besseyi</i> Farl. 1883	
	<i>Entyloma physalidis</i> (Kalchbr. & Cooke) G. Winter 1883	
	<i>Protomyces physalidis</i> Kalchbr. & Cooke 1880	
	<i>Entyloma dahliae</i> Syd. & P. Syd. 1912	Dahlia smut
	<i>Entyloma calendulae</i> f. <i>dahliae</i> (Syd. & P. Syd.) Viégas 1944	
	<i>Entyloma dahliae</i> Cif. 1924	
	<i>Entylomella dahliae</i> Cif. ex Boerema & Hamers 1990	
	<i>Entyloma polysporum</i> (Peck) Farl. 1883	White smut of <i>Gaillardia</i>
	<i>Entyloma calendulae</i> var. <i>polysporum</i> (Peck) Cif. 1963	
	<i>Protomyces polysporus</i> Peck 1883 (1881)	
<i>Exobasidiales</i>		
<i>Exobasidiaceae</i>		
<i>Exobasidium</i>		
	<i>Exobasidium vaccinii</i> (Fuckel) Woronin 1867	Leaf gall, witches' broom, flower galls of <i>Ericaceae</i>
	<i>Fusidium vaccinii</i> Fuckel 1861	
	<i>Exobasidium agauriae</i> Henn. 1900	
	<i>Exobasidium andromedae</i> Peck 1874	
	<i>Exobasidium angustisporum</i> Linder 1947	
	<i>Exobasidium azaleae</i> Peck 1874	
	<i>Exobasidium cassandrae</i> Peck 1878	
	<i>Exobasidium discoideum</i> Ellis 1874	
	<i>Exobasidium karstenii</i> Sacc. & Trotter 1912	
	<i>Exobasidium ledi</i> Karst. 1878	
	<i>Exobasidium oxycocci</i> Rostr. ex Shear 1885	
	<i>Exobasidium parvifolii</i> Hotson 1927	
<i>Muribasidiospora</i>	<i>Muribasidiospora indica</i> Kamat & Rajendren 1968	Leaf spots on <i>Rhus</i> , <i>Celtis</i>
<i>Georgefischeriales</i>		
<i>Georgefischeriaceae</i>		
<i>Jamesdicksonia</i>		
	<i>Jamesdicksonia irregularis</i> (Johanson) R. Bauer et al. 2001	Leaf smut of grasses
	<i>Entyloma irregulare</i> Johanson 1884 [1885]	
<i>Microstromatales</i>		
<i>Microstromataceae</i>		
<i>Pseudomicrostroma</i>		
	<i>Pseudomicrostroma juglandis</i> (Bérenger) Kijporn. & Aime 2017	Hickory downy leaf spot
	<i>Microstroma juglandis</i> (Bérenger) Sacc. 1886	
	<i>Torula juglandina</i> Opiz 1852	
<i>Tilletiales</i>		
<i>Tilletiaceae</i>		
<i>Tilletia</i>		
	<i>Tilletia barclayana</i> (Bref.) Sacc. & Syd. 1899	Bunt of <i>Pennisetum</i>
	<i>Neovossia barclayana</i> Bref. 1895	
	<i>Tilletia ajrekarii</i> Mundk. 1939	
	<i>Neovossia macrospora</i> Petr. 1947	

	<i>Tilletia pennisetina</i> Syd. 1929	
	<i>Tilletia caries</i> (DC.) Tul. & C. Tul. 1847	Common bunt of wheat
	<i>Uredo caries</i> DC. 1815	
	<i>Uredo sitophila</i> Ditmar 1816	
	<i>Caeoma sitophilum</i> (Ditmar) Link 1825	
	<i>Tilletia sitophila</i> (Ditmar) J. Schröt. 1877	
	<i>Tilletia controversa</i> J.G. Kühn 1874	Dwarf bunt of wheat
	<i>Tilletia aegilopis</i> Golovin 1952	
	<i>Tilletia brevifaciens</i> G.W. Fisch. 1952	
	<i>Tilletia calospora</i> Pass. 1876	
	<i>Tilletia controversa</i> var. <i>elymi</i> Zaprom. 1926	
	<i>Tilletia controversa</i> var. <i>prostrata</i> Lavrov 1937	
	<i>Tilletia prostrata</i> (Lavrov) Lavrov 1951	
	<i>Tilletia elymicola</i> Lavrov 1937	
	<i>Tilletia pancicii</i> Bubák & Ranoj. 1909	
	<i>Tilletia indica</i> Mitra 1931	Karnal bunt of wheat
	<i>Neovossia indica</i> (Mitra) Mundk. 1940	
<i>Uleiellales</i>		
<i>Uleiellaceae</i>		
<i>Uleiella</i>	<i>Uteiella chilensis</i> Dietel & Neger 1899	Smut of Araucaria. South America
<i>Urocystales</i>		
<i>Urocystaceae</i>		
<i>Urocystis</i>	<i>Urocystis agropyri</i> (Preuss) A.A. Fisch. Waldh. 1867	Flag smut
	<i>Uredo agropyri</i> Preuss 1848	
	<i>Polycystis agropyri</i> (Preuss) J. Schröt. 1877	
	<i>Tuburcinia agropyri</i> (Preuss) Liro 1922	
	<i>Tuburcinia elymi</i> Cif. 1931	
	<i>Urocystis elymi</i> (Cif.) Schwarzman 1960	
	<i>Urocystis preussii</i> J.G. Kühn 1874	
	<i>Urocystis gladiolicola</i> Ainsw. 1950	Smut of <i>Iridaceae</i> , especially <i>Gladiolus</i>
	<i>Tuburcinia gladiolicola</i> (Ainsw.) Cif. 1963	
	<i>Urocystis magica</i> Pass. 1875	Smut of <i>Allium</i>
	<i>Tuburcinia magica</i> (Pass.) Liro 1922	
	<i>Urocystis allii</i> Schellenb. 1911	
	<i>Tuburcinia allii</i> (Schellenb.) Liro 1922	
	<i>Urocystis cepulae</i> Frost 1877	
	<i>Tuburcinia cepulae</i> (Frost) Liro 1922	
	<i>Tuburcinia oblonga</i> Massenot 1953	
	<i>Urocystis oblonga</i> (Massenot) H. Zogg 1986 [1985]	
<i>Ustilaginales</i>		

Ustilaginaceae
Sporisorium

***Sporisorium reilianum* (J.G. Kühn) Langdon & Full. 1978**

Ustilago reiliana J.G. Kühn 1875
Cintractia reiliana (J.G. Kühn) G.P. Clinton 1900
Sphacelotheca reiliana (J.G. Kühn) G.P. Clinton 1902
Sorosporium reilianum (J.G. Kühn) McAlpine 1910
Ustilago abortifera Speg. 1899
Ustilago holci-sorghii Rivolta 1873
Sporisorium holci-sorghii (Rivolta) Vánky 1985
Sphacelotheca holci-sorghii (Rivolta) Cif. 1938
Sorosporium holci-sorghii (Rivolta) Moesz 1950
Ustilago pulveracea Cooke 1876
Ustilago reiliana f. *zeae* Pass. 1876
Sorosporium simii Pole-Evans 1916

Head smut of maize

***Sporisorium scitamineum* (Syd.) M. Piepenbr. et al. 2002**

Ustilago scitaminea Syd. 1924
Sphacelotheca miscanthi W.Y. Yen 1937
Sporisorium miscanthi (J.M. Yen) L. Guo 1990
Ustilago scitaminea var. *sacchari-barberi* Mundk. 1940
Ustilago scitaminea var. *sacchari-officinarum* Mundk. 1940

Sugarcane smut

Thecaphora

***Thecaphora solani* (Thirum. & M. O'Brien) Mordue 1988**

Angiosorus solani Thirum. & M. O'Brien 1974 [1972]

Potato smut

Ustilago^(ATP2, SSC1)

***Ustilago avenae* (Pers.) Rostr. 1890**

Ustilago aegilopsidis Picb. 1932
Ustilago decipiens Liro 1924
Ustilago festucae Zundel 1933
Ustilago haynaldiae Becer. 1970
Ustilago medians Biedenk. 1894
Ustilago nigra Tapke 1932
Ustilago perennans Rostr. 1890

Smut of cereals, maize

***Ustilago maydis* (DC.) Corda 1842**

Uredo maydis DC. 1815
Erysibe maydis (DC.) Wallr. 1833
Mycosarcoma maydis (DC.) Bref. 1912
Ustilago euchlaenae Arcang. 1882
Lycoperdon zeae Beckm. 1768
Uredo zeae Schwein. 1822

Corn smut

***Ustilago nuda* Kellerm. & K.D. Swingle 1890**

Ustilago nuda var. *foliicola* Trotter 1913

Smut of barley

***Ustilago striiformis* (Westend.) Niessl 1876**

Leaf stripe smut

Uredo striiformis Westend. 1851
Tilletia striiformis (Westend.) Sacc. 1877
Ustilago agrostidis-palustris Davis ex Cif. 1931
Tilletia airae-caespitosae Lindr. 1904
Ustilago airae-caespitosae (Lindr.) Liro 1924
Tilletia alopecurivora Ule 1884
Ustilago alopecurivora (Ule) Liro 1924
Ustilago anthoxanthi Liro 1939
Tilletia avenae Ule 1884
Ustilago scaura Liro 1924
Tilletia brizae Ule 1884
Ustilago brizae (Ule) Liro 1924
Tilletia corcontica Bubák 1912
Ustilago corcontica (Bubák) Liro 1924
Tilletia debaryana A.A. Fisch. Waldh. 1866
Ustilago denotarisii A.A. Fisch. Waldh. 1877
Ustilago duriusculae L. Guo 2006
Ustilago festucarum Liro 1924
Ustilago jaczewskyana Lavrov 1936
Ustilago jaczewskyana var. *sibirica* Lavrov 1936
Ustilago johnstonii Cif. 1933
Ustilago kairamoi Liro 1939
Ustilago loliicola Cif. 1938
Ustilago longissima var. *megalospora* Riess 1854
Ustilago megalospora (Riess) Cif. 1933
Tilletia milii Fuckel 1870
Ustilago milii (Fuckel) Liro 1924
Ustilago phlei-pratensis Davis ex Cif. 1931
Ustilago poae-bulbosae Savul. 1951
Ustilago poae-nemoralis Vienn.-Bourg. 1951
Ustilago poarum McAlpine 1895
Ustilago salweyi Berk. & Broome 1850
Uredo salweyi (Berk. & Broome) Oudem. 1866
Tilletia salweyi (Berk. & Broome) P. Karst. 1884
Ustilago striiformis f. *hierochloes-odoratae* Savul. & Rayss 1932
Ustilago hierochloae-odoratae (Savul. & Rayss) Cif. 1938
Ustilago taenia Cif. 1938
Ustilago triseti Liro 1939
Ustilago washingtoniana Ellis & Everh. 1895
***Ustilago tritici* (Pers.) Rostr. 1890**

Loose smut of wheat and barley

Ustilago segetum var. *tritici* (Pers.) Brunaud 1878
Ustilago ehrenbergiana A.A. Fisch. Waldh. 1879
Ustilago hordei Bref. 1888
Ustilago passerinii A.A. Fisch. Waldh. 1877
Ustilago schumanniana Henn. 1893
Ustilago tritici f. *folicola* Henn. 1894
Ustilago ugamica Golovin 1952
Ustilago vavilovii Jacz. 1925

Kingdom Rhizaria
Plasmodiophoromycetes
Plasmodiophorales
 Plasmodiophoraceae
 Plasmodiophora
 Polymyxa

***Plasmodiophora brassicae* Woron. 1877**
***Polymyxa betae* Keskin 1964**

Clubroot of crucifers
 Root diseases of grasses, beets, virus
 vectors
 Powdery scab of potato

Spongospora

***Spongospora subterranea* (Wallr.) Lagerh. 1892**
Erysibe subterranea Wallr. 1842
Tubercinia scabies Berk. 1846
Spongospora scabies (Berk.) Masee 1908
Sorosporium scabies (Berk.) A.A. Fisch. Waldh. 1877
Spongospora solani Brunch. 1887
Protomyces tuber-solani Mart. 1842

Chytridiomycota
Blastocladales
 Physodermataceae
 Physoderma

***Physoderma alfalfae* (Pat. & Lagerh.) Karling 1950**
Cladochytrium alfalfae Pat. & Lagerh. 1895
Urophlyctis alfalfae (Pat. & Lagerh.) Magnus 1902
***Physoderma maydis* (Miyabe) Miyabe 1909**
Cladochytrium maydis Miyabe 1903
Physoderma zae-maydis F.J. Shaw 1912

Crown wart of alfalfa

Brown spot of maize

Chytridiales
 Synchytriaceae
Synchytrium^(SSU)

***Synchytrium endobioticum* (Schilb.) Percival 1909 [1910]**
Chrysophlyctis endobioticum Schilb. 1896
Synchytrium solani Masee 1910
***Synchytrium dolichi* (Cooke) Gaeum. 1927**
Aecidium dolichi Cooke 1882

Potato wart disease, potato black wart

False rust of winged bean

<i>Spizellomyces</i>	<i>Woroninella dolichi</i> (Cooke) Syd. 1914	
<i>Olpidiaceae</i>		
<i>Olpidium</i> ^(ACT, EF2, RPB1)	<i>Olpidium brassicae</i> (Woronin) P.A. Dang. 1886	Virus vector
	<i>Chytridium brassicae</i> Woronin 1878	
	<i>Olpidium borzii</i> De Wild. 1893	
	<i>Asterocystis radialis</i> De Wild. 1893	
	<i>Olpidiaster radialis</i> (De Wild.) Pascher 1917	
<i>Mucoromycota</i>		
<i>Mucorales</i>		
<i>Choanephoraceae</i>		
<i>Choanephora</i>	<i>Choanephora cucurbitarum</i> (Berk. & Ravenel) Thaxt. 1903	Flower and fruit rot of cucurbits
	<i>Rhopalomyces cucurbitarum</i> Berk. & Ravenel 1875	
	<i>Choanephora americana</i> A. Möller 1901	
<i>Gilbertellaceae</i>		
<i>Gilbertella</i>	<i>Gilbertella persicaria</i> (E.D. Eddy) Hesselt. 1960	Gilbertella fruit rot
	<i>Choanephora persicaria</i> E.D. Eddy 1925	
<i>Mucoraceae</i>		
<i>Mucor</i> ^(MCM7, RPB1, TSP1)	<i>Mucor circinelloides</i> Tiegh. 1875	In soil and storage rot
	<i>Calypromyces circinelloides</i> (Tiegh.) Sumst. 1910	
	<i>Circinomucor circinelloides</i> (Tiegh.) Arx 1982	
	<i>Mucor circinelloides</i> f. <i>circinelloides</i> Tiegh. 1875	
	<i>Mucor alternans</i> Tiegh. 1876	
	<i>Mucor ambiguus</i> Vuill. 1887 [1886]	
	<i>Mucor javanicus</i> Wehmer 1900	
	<i>Mucor prainii</i> Chodat & Nechitsche 1904	
	<i>Mucor racemosus</i> Fresen. 1850	Fruit storage rot
<i>Rhizopus</i> ^(ACT, rnhA, RPB1, TSP2)	<i>Rhizopus stolonifer</i> (Ehrenb.) Vuill. 1902	Fruit and bulb storage rot
	<i>Mucor stolonifer</i> Ehrenb. 1818	
	<i>Rhizopus artocarpus</i> Racib. 1959	
	<i>Rhizopus necans</i> Masee 1897	
	<i>Rhizopus nigricans</i> Ehrenb. 1821	
	<i>Rhizopus nigricans</i> var. <i>luxurians</i> J. Schröt. 1886	
Kingdom Stramenopila		
<i>Labyrinthulomycota</i>		
<i>Labyrinthulomycetes</i>		
<i>Labyrinthulales</i>		
<i>Labyrinthulaceae</i>		

<i>Labyrinthula</i>	<i>Labyrinthula terrestris</i> D.M. Bigelow et al. 2005 <i>Labyrinthula zosterae</i> D. Porter & Muehlst. 1991	Rapid blight of turfgrass Wasting disease of the intertidal marine grass <i>Zostera</i>
Oomycota		
Oomycetes		
Albuginales		
Albuginaceae		
<i>Albugo</i> ^(COX2)	<i>Albugo candida</i> (Pers.) Roussel 1806 <i>Albugo laibachii</i> Thines & Y.-J. Choi 2009	White blister rust of various crucifers White blister rust of <i>Arabidopsis thaliana</i>
<i>Pustula</i> ^(COX2)	<i>Pustula centaurii</i> (Hansf.) Thines et al. 2011 <i>Pustula helianthicola</i> C. Rost & Thines 2012 <i>Pustula tragopogonis</i> (Pers.) Thines 2005 <i>Albugo tragopogonis</i> (Pers.) Gray 1821 <i>Cystopus tragopogonis</i> (Pers.) J. Schröt. 1886 [1889] <i>Uredo tragopogonis</i> (Pers.) DC. 1805 <i>Cystopus cubicus</i> de Bary 1863	White blister rust of <i>Lysianthus</i> White blister rust of sunflower White blister rust of <i>Asteraceae</i>
<i>Wilsoniana</i> ^(COX2)	<i>Wilsoniana amaranthi</i> (Schwein.) Y.-J. Choi et al. 2007 <i>Caeoma amaranthi</i> Schwein. 1832 <i>Albugo amaranthi</i> (Schwein.) Kuntze 1891 <i>Cystopus amaranthi</i> (Schwein.) Berk. 1874 <i>Wilsoniana bliti</i> (Biv.) Thines 2005 <i>Uredo bliti</i> Biv. 1815 <i>Albugo bliti</i> (Biv.) Kuntze 1891 <i>Cystopus bliti</i> (Biv.) Lév. 1847 <i>Albugo cladothricis</i> G.W. Wilson 1908 <i>Albugo froelichiae</i> G.W. Wilson 1908 <i>Cystopus froelichiae</i> (G.W. Wilson) Sacc. & Trotter 1912 <i>Erysibe quadrata</i> Wallr. 1833 <i>Wilsoniana platensis</i> (Speg.) Thines 2005 <i>Cystopus platensis</i> Speg. 1891 <i>Albugo platensis</i> (Speg.) Swingle 1892	White blister rust of recurved amaranth White blister rust of <i>Amaranthaceae</i> White blister rust of <i>Boerhaavia</i> (<i>Ncytaginaceae</i>)
Peronosporales		
Peronosporaceae		
<i>Bremia</i> ^(COX1, COX2)	<i>Bremia lactucae</i> Regel 1843 <i>Botrytis gangliiformis</i> Berk. 1846	Downy mildew of lettuce
<i>Hyaloperonospora</i> *	<i>Hyaloperonospora arabidopsidis</i> (Gäum.) Göker et al. 2004	Downy mildew of <i>Arabidopsis thaliana</i>
* various economically important species, as the one occurring on rocket are		

either undescribed or currently not well circumscribed.

	<i>Hyaloperonospora brassicae</i> (Gäum.) Göker et al. 2003	Downy mildew of <i>Brassica</i>
	<i>Hyaloperonospora parasitica</i> (Pers.) Constant. 2002	Downy mildew of <i>Capsella bursa-pastoris</i>
<i>Peronosclerospora</i> ^(COX2)	<i>Peronosclerospora maydis</i> (Racib.) C.G. Shaw 1978	Maize downy mildew of wild <i>Sorghum</i> and maize
	<i>Peronospora maydis</i> Racib. 1897	
	<i>Sclerospora maydis</i> (Racib.) E.J. Butler 1913	
	<i>Sclerospora javanica</i> Palm 1918	
	<i>Peronosclerospora australiensis</i> R.G. Shivas et al. 2012	
	<i>Peronosclerospora noblei</i> (W. Weston) C.G. Shaw 1980	Maize downy mildew
	<i>Peronosclerospora philippinensis</i> (W. Weston) C.G. Shaw 1978	Philippine downy mildew of maize
	<i>Peronosclerospora sacchari</i> (T. Miyake) Shirai & Hara 1927	Downy mildew of sugarcane
	<i>Peronosclerospora sorghi</i> (W. Weston & Uppal) C.G. Shaw 1978	Downy mildew of sorghum millet and maize
	<i>Peronosclerospora spontanea</i> (W. Weston) C.G. Shaw 1978	Downy mildew of sugarcane and maize
<i>Peronospora</i> ^(COX1, COX2)	<i>Peronospora arborescens</i> (Berk.) de Bary 1863	Downy mildew of common poppy
	<i>Peronospora belbahrii</i> Thines 2009	Downy mildew of basil
	<i>Peronospora destructor</i> (Berk.) Casp. ex Berk. 1860	Downy mildew of onion
	<i>Peronospora effusa</i> (Grev.) Rabenh. 1854	Downy mildew of spinach
	<i>Peronospora meconopsidis</i> Mayor 1958	Downy mildew of <i>Meconopsis</i> and opium poppy
	<i>Peronospora pisi</i> Syd. 1923	Downy mildew of pea
	<i>Peronospora radii</i> de Bary 1864	Downy mildew of <i>Chrysanthemum</i> flowers
	<i>Peronospora schachtii</i> Fuckel 1870	Downy mildew of sugar beet and swiss chard
	<i>Peronospora salviae-officinalis</i> Y.-J. Choi et al. 2009	Downy mildew of Mediterranean sage
	<i>Peronospora somniferi</i> Voglmayr 2014	Downy mildew of opium poppy
	<i>Peronospora arborescens</i> s.l.	
	<i>Peronospora sparsa</i> Berk. 1862	Rose downy mildew
	<i>Peronospora tabacina</i> D.B. Adam 1933	Downy mildew of tobacco
	<i>Peronospora trifoliorum</i> de Bary 1863	Downy mildew of clover
	<i>Peronospora valerianellae</i> Fuckel 1863	Downy mildew of lamb's lettuce
	<i>Peronospora variabilis</i> Gäum. 1919	Downy mildew of quinoa
	<i>Peronospora violacea</i> de Bary 1860	Downy mildew of <i>Viola</i> spp.
<i>Phytophthora</i> ^(COX1, COX2, NAD9, RPS10, TUB2)	<i>Phytophthora</i> × <i>alni</i> Brasier & S.A. Kirk 2004	Alder dieback
	<i>Phytophthora alni</i> subsp. <i>alni</i> Brasier & S.A. Kirk 2004	

***Phytophthora cactorum* (Lebert & Cohn) J. Schröt. 1886**

***Phytophthora cambivora* (Petri) Buisman 1927**

***Phytophthora capsici* Leonian 1922**

***Phytophthora castaneae* Katsura & K. Uchida 1976**

Phytophthora katsurae W.H. Ko & H.S. Chang 1979

***Phytophthora cinnamomi* Rands 1922**

***Phytophthora citricola* Sawada 1927**

***Phytophthora citrophthora* (R.E. Sm. & E.H. Sm.) Leonian 1925**

Phytophthora imperfecta var. *citrophthora* (R.E. Sm. & E.H. Sm.) Sarej 1936

***Phytophthora colocasiae* Racib. 1900**

***Phytophthora cryptogea* Pethybr. & Laff. 1919**

***Phytophthora drechsleri* Tucker 1931**

***Phytophthora erythroseptica* Pethybr. 1913**

Phytophthora erythroseptica var. *atropae* Alcock 1926

Phytophthora himalayensis Dastur 1948

***Phytophthora fragariae* Hickman 1940**

***Phytophthora infestans* (Mont.) de Bary 1876**

***Phytophthora lateralis* Tucker & Milbrath 1942**

***Phytophthora melonis* Katsura 1976**

Phytophthora sinensis Y.N. Yu & W.Y. Zhuang 1982

***Phytophthora multivora* P.M. Scott & T. Jung 2009**

***Phytophthora nicotianae* Breda de Haan 1896**

Phytophthora parasitica Dastur 1913

Phytophthora tabaci Sawada 1927

***Phytophthora palmivora* (E.J. Butler) E.J. Butler 1919**

Phytophthora arecae (L.C. Coleman) Pethybr. 1913

Cactus dieback, pathogen of apples, strawberries and various other angiosperms

Ink disease of European chestnut

Pepper and cucurbit blight

Trunk rot of chestnut, fruit and heart rot of coconut

Phytophthora dieback of various trees and shrubs

Phytophthora rot of citrus. Restricted to Asia

Gummosis of citrus trees and root rot, stem necrosis, canker, fruit rot, twig blight, seedling blight of numerous woody plants

Taro leaf blight

Phytophthora rot of various fruit trees and ornamentals

Phytophthora dieback of various hosts

Pink root rot of potatoes

Red stele or red core root rot

Potato, tomato late blight; many important species causing root rot, damping off, foliage and bud blight, fruit rot

Cedar root disease of Port Orford Cedar

Late blight and foot rot of cucumber and other *Cucurbitaceae*

Phytophthora root and canker rot of fruit trees and ornamentals. Southern hemisphere (often incorrectly reported as *P. citricola*)

Phytophthora blight on numerous woody and non-woody hosts

Black pod and canker of cacao and root and fruit rot of numerous other species

	<i>Phytophthora plurivora</i> T. Jung & T.I. Burgess 2009	Phytophthora root and canker rot of fruit trees and ornamentals. Northern hemisphere (often incorrectly reported as <i>P. citricola</i>)
	<i>Phytophthora pseudocryptogea</i> Safaief., Mostowf., G.E. Hardy & T.I. Burgess 2015	Phytophthora rot of fruit trees and ornamentals (often incorrectly reported as <i>P. cryptogea</i>) Sudden oak death
	<i>Phytophthora ramorum</i> Werres et al. 2001	Root and stem rot of soybeans
	<i>Phytophthora sojae</i> Kaufm. & Gerd. 1958	Downy mildew of sunflower
<i>Plasmopara</i> ^(COX2)	<i>Plasmopara halstedii</i> (Farl.) Berl. & De Toni 1888	Downy mildew of Boston ivy
	<i>Plasmopara muralis</i> Thines 2011	Downy mildew of balsamines
	<i>Plasmopara obducens</i> (J. Schröt.) J. Schröt. 1886	Downy mildew of parsley
	<i>Plasmopara petroselini</i> Sävil. & O. Sävil. 1951	Downy mildew of grape
	<i>Plasmopara viticola</i> (Berk. & M.A. Curtis) Berl. & De Toni 1888	Downy mildew of curcubits
<i>Pseudoperonospora</i> ^(COX2)	<i>Pseudoperonospora cubensis</i> (Berk. & M.A. Curtis) Rostovzev 1903	Downy mildew of hops
	<i>Pseudoperonospora humuli</i> (Miyabe & Takah.) G.W. Wilson 1914	Crazy top of maize, wheat and other cereals
<i>Sclerophthora</i> ^(COX2)	<i>Sclerophthora macrospora</i> (Sacc.) Thirum., C.G. Shaw & Naras. 1953	Crazy top and brown stripe downy mildews of maize
<i>Sclerophthora</i> *	<i>Sclerophthora rayssiae</i> var. <i>zeae</i> Payak & Renfro 1967	
* will be transferred to a new genus, not closely related to <i>Sclerophthora</i>		
<i>Pythiaceae</i>		
<i>Globisporangium</i> ^(COX1)	<i>Globisporangium irregulare</i> (Buisman) Uzuhashi et al. 2010	Blight, damping off, root and other rots
	<i>Pythium irregulare</i> Buisman 1927	
	<i>Pythium fabae</i> G. Cheney 1932	
	<i>Pythium irregulare</i> var. <i>hawaiiense</i> Sideris 1932	
	<i>Pythium polymorphon</i> Sideris 1932	
	<i>Globisporangium ultimum</i> (Trow) Uzuhashi, Tojo & Kakish. 2010	Seed rots, damping-off, seedling blights, watery rots, fruit rots, and root rots
	<i>Pythium ultimum</i> Trow 1901	
	<i>Pythium ultimum</i> var. <i>sporangiiferum</i> Drechsler 1960	
	<i>Globisporangium ultimum</i> var. <i>sporangiiferum</i> (Drechsler) Uzuhashi, Tojo & Kakish. 2010	
<i>Phytophythium</i> ^(COX1, COX2)	<i>Phytophythium vexans</i> (de Bary) Abad et al. 2014	Citrus rot
<i>Pythium</i> ^(COX1, COX2)	<i>Pythium aphanidermatum</i> (Edson) Fitzp. 1923	Damping-off of various crops and ornamentals
<i>Saprolegniales</i>		
<i>Verrucalvaceae</i>		
<i>Aphanomyces</i>	<i>Aphanomyces euteiches</i> Drechsler 1925	Root rots of alfalfa, beet, pea
<i>Pachymetra</i> ^(COX1, COX2)	<i>Pachymetra chaunorhiza</i> Croft & Dick 1989	Root disease of sugarcane

¹ *ACL1*: partial large subunit of the *ATP citrate lyase* gene; *ACT*: partial *actin* gene; *ApMat*: partial *Apn2-Mat1-2* intergenic spacer and partial *mating type (Mat1-2)* gene; *APN2*: partial *DNA lyase* gene; *ATP2*: partial *ATP synthase subunit 2* gene; *ATPase*: partial *plasma membrane ATPase* gene; *CHS-1*: partial *chitin synthase-1* gene; *cmdA*: partial *calmodulin* gene; *COX1*: partial mitochondrial *cytochrome c oxidase subunit 1* gene; *COX2*: partial mitochondrial *cytochrome c oxidase subunit 2* gene; *COX3*: partial mitochondrial *cytochrome c oxidase subunit 3* gene; *EF2*: partial *elongation factor 2* gene; *GAPDH*: partial *glyceraldehyde-3-phosphate dehydrogenase* gene (wrongly referred to by some authors as *gpdh*, which refers to another gene, namely *glycerol-3-phosphate dehydrogenase*); *GS*: partial *glutamine synthetase* gene; *HIS3*: partial *histone H3* gene; *HSP60*: partial *heat shock protein 60* gene; *IGS-1*: intergenic spacer 1 of the nuclear ribosomal RNA genes; *MCM7*: partial *mini-chromosome maintenance complex component 7 / DNA replication licensing factor* gene; *MS204*: partial *guanine nucleotide-binding protein subunit beta-like protein* gene; *mtSSU*: partial mitochondrial *small subunit ribosomal RNA* gene; *NAD9*: partial mitochondrial *NADH dehydrogenase subunit C* gene; *NEP1*: partial gene for *putative necrosis and ethylene inducing peptide 1*; *NEP2*: partial gene for *putative necrosis and ethylene inducing peptide 2*; *rnhA*: partial *RNA helicase* gene; *RPB1*: partial *DNA-directed RNA polymerase II largest subunit* gene; *RPB2*: partial *DNA-directed RNA polymerase II second largest subunit* gene; *RPS10*: partial mitochondrial *ribosomal protein S10* gene; *SOD2*: partial *manganese superoxide dismutase* gene; *SSC1*: partial *heat shock protein 70* gene; *SSU*: partial *nuclear 16S or 18S small subunit RNA* gene; *TEF1*: partial *translation elongation factor 1-alpha* gene; *TS*: partial *tryptophan synthase* gene; *TSP2*: partial *4-dihydrotrispurin-dehydrogenase* gene; *TSR1*: partial *20S rRNA accumulation protein* gene; *TUB2*: partial *beta-tubulin* gene.