

SUPPLEMENTARY APPENDIX: TABLES 1, 2 & 3

Table 1. Zoosporic true fungi, heterotrophic straminipiles and plasmodiophorids from Argentina^a. The species indicated in grey are only recorded for Argentina. Abbreviations: **NA**: non available data, **IS**: substrates incubated in situ, **H**: host, **M**: submerged mud, **OM**: organic matter, **S**: soil, **W**: water, **Ss**: sesame seeds, **Fs**: fish scales, **Fe**: fish eggs, **Hs**: hemp seeds, **Rf**: *Rosa* sp. fruits, **Ll**: *Ligustrum lucidum* fruits, **LlL**: *L. lucidum* leaves, **Ssk**: snake skin, **Cl**: corn leaves, **Ps**: *Pouteria salicifolia* leaves, **Am**: *Acacia melanoxylon*, **Pmf**: *Pyrus malus* fruits, **Cmf**: *Citharexylum montevidense* fruits, **Bs**: *Brassica* sp. seeds, **gl**: grass leaves, **ac**: apple cotyledons, **oog**: oogonia, **pg**: pollen grains, **f**: fish, **z**: zoosporangia.

Taxa	Type of sample	Substrates	Collection data	Reference
FUNGI				
BLASTOCLADIOMYCOTA				
BLASTOCLADIOMYCETES				
Blastocladales				
<i>Allomyces arbusculus</i> E. J. Butler	S	Ss	Agricultural soils (General Rodríguez and Luján, Buenos Aires)	Steciow (1993a)
	W	Ss	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>A. macrogynus</i> (R. Emers.) R. Emers.	S	Ss	Agricultural soils (General Rodríguez and Luján, Buenos Aires)	Steciow et al. (2006)
	W	Fs	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>A. neomoniliformis</i> Indoh	OM, S	Hs	Agricultural soil (Luján, Buenos Aires)	Steciow & Elíades (2001)
<i>Blastocladia bonariensis</i> Steciow & Marano*	W	Rf	Playa 66 (Berisso, Buenos Aires)	Steciow & Marano (2006)
<i>B. globosa</i> Kanouse	IS	Rf	Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (1999)
	IS	Rf and Ll fruits	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>B. incrassata</i> Indoh	OM, W	Rf	Artificial channel (Ensenada, Buenos Aires)	Steciow et al. (2001a)
<i>B. pringsheimii</i> Reinsch	IS	Rf	Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (1999)
	IS	Rf and Ll fruits	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>B. ramosa</i> Thaxt.	IS	Rf	Artificial channel (Ensenada, Buenos Aires)	Steciow & Elíades (2002a)
	IS	Rf	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>B. sparrowii</i> Indoh	OM, W	Rf	Artificial channel (Ensenada, Buenos Aires)	Steciow & Elíades (2001)
<i>B. tenuis</i> Kanouse	OM, W	Rf	Artificial channel (Ensenada, Buenos Aires)	Steciow & Elíades (2001)
	OM, W	Rf	El Zanjón Stream (Berisso, Buenos Aires)	Steciow & Elíades (2001)
<i>Catenaria anguillulae</i> Sorokin	OM, S	Hs	Vitel Sur stream (Chascomús, Buenos Aires)	Unpublished
<i>Catenophlyctis variabilis</i> (Karling) Karling	OM, W	Ssk	Las Cañas and Los Helechos streams (Ensenada, Buenos Aires)	Unpublished
	OM, W	Ssk	Temporary water body (La Plata, Buenos Aires)	Steciow (1998)
<i>Coelomomyces iliensis</i> var. <i>Indus</i> Couch & A. V. V. Iyengar	H	<i>Culex dolosus</i> (larvae)	Punta Lara (Ensenada, Buenos Aires)	López Lastra & García (1997)
<i>Coelomycidium simulii</i> Debais	H	Simuliidae	NA	López Lastra & García (1990)
CHYTRIDIOMYCOTA				
CHYTRIDIOMYCETES				
Chytridiales				
<i>Catenochytridium</i> sp.	OM	Ll and Psl	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
	OM	Cl	Temporary water body (La Plata, Buenos Aires)	Unpublished
	S	Cl	Soybean plots (Chascomús, Buenos Aires)	Unpublished
<i>Chytridium</i> sp.	W	<i>A. arbusculus</i> (z)	Las Cañas stream (Ensenada, Buenos Aires),	Steciow & Marano (2008)
<i>Chytridium olla</i> Braun	H	<i>Oedogonium</i> sp. (oog)	Temporary water body (El Palmar de Colón, Entre Ríos)	López & Mac Carthy (1985)
<i>Chytriomycetes hyalinus</i> var. <i>hyalinus</i> Karling	W	Cl	Las Cañas stream (Ensenada, Buenos Aires)	Marano et al. (2008)
	S	Cl	Soybean and non-cultivated plots (Chascomús, Buenos Aires)	Unpublished

<i>C. hyalinus</i> var. <i>granulatus</i> Karling	W	<i>Cedrus</i> sp. (pg)	Las Cañas stream (Ensenada, Buenos Aires)	Marano et al. (2008)
<i>Cladochytrium replicatum</i> Karling	IS, OM, W OM, W IS	Cl and Ll Cl <i>Am</i> leaves	Las Cañas stream (Ensenada, Buenos Aires), Temporary water body (La Plata, Buenos Aires) Stream (Luján, Buenos Aires)	Marano et al. (2008) Unpublished Unpublished
<i>Cylindrochytridium johnstonii</i> Karling	IS S	Cl Cl	Las Cañas stream (Ensenada, Buenos Aires) Soybean plots (Chascomús, Buenos Aires)	Marano et al. (2008) Unpublished
<i>Diplophlyctis complicata</i> (Willoughby) Dogma	OM	Cl	El Pescado stream (La Plata, Buenos Aires)	Unpublished
<i>Macrochytrium botrydioides</i> Minden	IS	Rf	Las Cañas stream (Ensenada, Buenos Aires),	Unpublished
<i>Nowakowskiella elegans</i> (Nowak.) J. Schröt.	IS, OM, W M S S IS OM, W	Cl, <i>Ll</i> leaves Cl Cl Cl <i>Am</i> leaves Cl	Las Cañas stream (Ensenada, Buenos Aires), Martín stream (La Plata, Buenos Aires) Agricultural soil (Luján, Buenos Aires) Soybean plots (Chascomús, Buenos Aires) Stream (Luján, Buenos Aires) Temporary water body (La Plata, Buenos Aires)	Marano et al. (2007) Marano et al. (2007) Marano et al. (2007) Unpublished Unpublished Unpublished
<i>N. hemisphaerospora</i> Shanor	W M S	Cl Cl Cl	Las Cañas stream (Ensenada, Buenos Aires) Martín stream (La Plata, Buenos Aires) Soybean plots (Chascomús, Buenos Aires),	Marano et al. (2007) Marano et al. (2007) Unpublished
<i>N. multispora</i> Karling	OM S	Cl Cl	Las Cañas stream (Ensenada, Buenos Aires), Soybean plots (Chascomús, Buenos Aires)	Marano et al. (2007) Unpublished
<i>N. profusa</i> Karling	W W S	Cl Cl Cl	Las Cañas stream (Ensenada, Buenos Aires), Temporary water body (La Plata, Buenos Aires) Soybean plots and non-cultivated plots (Chascomús, Buenos Aires)	Marano et al. (2007) Unpublished Unpublished
<i>N. ramosa</i> E. J. Butler	OM S IS	Cl Cl <i>Am</i> leaves	Las Cañas stream (Ensenada, Buenos Aires), Soybean plots (Chascomús, Buenos Aires) Stream (Luján, Buenos Aires)	Marano et al. (2007) Unpublished Unpublished
<i>Septochytrium variabile</i> Berdan	IS, OM, W OM, W	Cl Cl	Las Cañas stream (Ensenada, Buenos Aires) Temporary water body (La Plata, Buenos Aires)	Marano et al. (2008) Unpublished
<i>Sparrowia parasitica</i> Willoughby	S	<i>Pythium</i> spp. (oog)	Soybean and non-cultivated plots (Chascomús, Buenos Aires)	Unpublished
Incertae sedis				
<i>Batrachochytrium dendrobatidis</i> Longcore, Pessier & D. K. Nichols	H	<i>Leptodactylus ocellatus</i>	El Pescado creek flood valley (La Plata, Buenos Aires)	Herrera et al.(2005)
Rhizophydiales² sensu Sparrow (1960)				
<i>Rhizophyidium carpophyllum</i> Zopf	OM, W OM	various Saprolegniales (oog) various Saprolegniales (oog)	Vitel Sur stream (Chascomús, Buenos Aires) Las Cañas stream (Ensenada, Buenos Aires)	Steciow (1998) Marano et al. (2008)
<i>R. globosum</i> (A. Braun) J. Schröt.	H	<i>Closterium acerosum</i>	Alsina pond (Guaminí, Buenos Aires)	Malacalza (1968)
<i>R. keratinophilum</i> Karling	S	Ssk, human hair	Floodplain marsh (Ensenada, Buenos Aires)	Unpublished
<i>R. subangulosum</i> (A. Braun) Rabenh.	S	<i>Oscillatoria princeps</i>	La Blanca pond (General Madariaga, Buenos Aires)	Malacalza (1968)
Rhizophlyctidales				
<i>Rhizophlyctis rosea</i> (de Bary & Woronin) A. Fisch.	M, OM, W M, OM, W S OM	Cl, Ssk, Fs Cl, Ssk, Cl, Ssk, Fs Cl	Las Cañas stream (Ensenada, Buenos Aires) Martín and Rodríguez streams (La Plata, Buenos Aires) Agricultural soil (Luján, Buenos Aires) Temporary water body (La Plata, Buenos Aires)	Marano et al. (2006) Marano et al. (2006) Marano et al. (2006) Unpublished
Spizellomycetales				
Incertae sedis				
<i>Olpidium</i> sp.	S	Cl, Ssk, Fs	Soybean plots (Chascomús, Buenos Aires)	Unpublished
<i>O. entophyllum</i> A. Braun	OM W	Gastothicha (eggs) <i>Nitella</i> sp.	Las Cañas stream (Ensenada, Buenos Aires), Pond (Capital Federal, Buenos Aires)	Steciow & Marano (2008) López & Mac Carthy (1985)
Incertae sedis				
<i>Rozella allomycis</i> F. K. Faust	H	<i>A. arbuscula</i>	River Arriane (Leandro N. Alem, Misiones)	Wolf (1941)
MONOBLEPHARIDOMYCETES				
Monoblepharidales				
<i>Gonapodya polymorpha</i> Thaxt.	IS	Rf	Club Regatas, El Zanjón stream (Ensenada, Buenos Aires)	Steciow et al. (2001b),

<i>G. prolifera</i> (Cornu) A. Fisch.	IS	<i>Rf</i>	Las Cañas stream (Ensenada, Buenos Aires)	Marano et al. (2008)
	IS	<i>Rf</i>	Club Regatas and artificial channel (Ensenada, Buenos Aires)	Steciow et al. (2001b)
	IS	<i>Rf</i>	Las Cañas and Los Helechos streams (Ensenada, Buenos Aires)	Marano et al. (2008a)
<i>Monoblepharella mexicana</i> Shanor	OM, S	<i>Bs</i>	Vitel Sur stream and Gándara channel (Chascomús, Buenos Aires)	Steciow & Arambarri (2000)
<i>Monoblepharis hypogyna</i> Perrot	OM	<i>Ll1</i>	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>M. polymorpha</i> Cornu	OM	<i>Ll1</i>	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
	OM	<i>Gl</i>	El Fantasma pond (Bariolche, Río Negro)	Unpublished
CHROMISTA (STRAMINIPILA PRO PARTE)				
HYPHOCHYTRIOMYCOTA				
Hyphochytriales				
<i>Rhizidiomyces apophysatus</i> Zopf	OM, W	<i>Achlya</i> and <i>Saprolegnia</i> (oog), <i>Cedrus</i> (pg)	Las Cañas and Los Helechos streams (Ensenada, Buenos Aires)	Marano & Steciow (2006)
<i>R. hirsutus</i> Karling	OM, W	<i>Achlya</i> (oog), <i>Cedrus</i> (pg), ss	Las Cañas and Los Helechos streams (Ensenada, Buenos Aires)	Marano & Steciow (2006)
LABYRINTHULOMYCOTA				
Thraustochytriales				
<i>Traustochytrium</i> aff. <i>Antarcticum</i> Bahnweg & Sparrow	OM, W	<i>Pinus</i> sp. (pg)	La Salada pond (Villarino, Buenos Aires)	Rosa et al. (2006)
<i>Ulkenia</i> aff. <i>radiata</i> A. Gaertner	OM, W	<i>Pinus</i> sp. (pg)	La Salada pond (Villarino, Buenos Aires)	Rosa et al. (2006)
<i>U.</i> aff. <i>visurgensis</i> (A. Ulken) A. Gaertner	OM, W	<i>Pinus</i> sp. (pg)	La Salada pond (Villarino, Buenos Aires)	Rosa et al. (2006)
OOMYCOTA				
Lagenismatales				
<i>Lagenisma coscinodisci</i> Drebes	H	<i>Coscinodiscus perforatus</i>	Mar del Plata (Buenos Aires)	López & Mac Carthy (1985)
Leptomitales				
<i>Aphanomycopsis punctata</i> Karling	IS, OM, W	<i>Ssk</i>	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>A. saprophytica</i> Karling	IS, OM, W	<i>Cl</i>	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
	OM, W	<i>Cl</i>	Temporary water body (La Plata, Buenos Aires)	
	IS	<i>Am</i> leaves and <i>Cl</i>	Stream (Luján, Buenos Aires)	Unpublished
	S	<i>Cl</i>	Soybean plots (Chascomús, Buenos Aires)	Unpublished
<i>Apodachlya</i> sp.	IS	<i>Fs</i>	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>Leptolegniella keratinophila</i> Huneycutt	IS	<i>Ssk</i>	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>Leptomitus lacteus</i> C. Agardh	OM	<i>Bs</i>	El Zanjón stream (Ensenada, Buenos Aires)	Steciow & Eliádes (2002a)
	IS	<i>Rf</i>	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
	OM	<i>Ss</i>	Junín de Los Andes (Neuquén)	Unpublished
Incertae sedis				
<i>Cornomyces destruens</i> (Sparrow) M. W. Dick	H, S, W	<i>Achlya</i> sp.	Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (1998)
Olpidiopsidales				
<i>Olpidiopsis achlyae</i> McLarty	H	<i>Achlya</i> sp.	Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (1996)
<i>O. saprolegniae</i> Cornu	<i>Ramdia sapo</i>	<i>Saprolegnia</i> sp.	Chis-Chis pond (Buenos Aires)	López & Mac Carthy (1985)
<i>O. saprolegniae</i> var. <i>levis</i> Coker	H	<i>Saprolegnia</i> sp.	Zapata stream (Magdalena, Buenos Aires)	Steciow (1988)
<i>O. pythii</i> (E. J. Butler) Karling	OM, W	<i>Pythium</i> spp. (hyphae)	Don Carlos stream (La Plata, Buenos Aires)	Marano & Steciow (2006)
	OM, W	<i>Pythium</i> spp. (hyphae)	Las Cañas stream and Villa Elisa channel (Ensenada, Buenos Aires)	Steciow & Marano (2008)
<i>O. aphanomycis</i> Cornu	W	<i>Aphanomyces</i> spp. (hyphae)	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>O. varians</i> Shanor	W	<i>A. proliferoides</i> (hyphae)	Artificial channel (Ensenada, Buenos Aires)	Eliádes et al. (2002)
<i>O. vexans</i> Barlett	OM	<i>Saprolegnia</i> sp.	Lacombe pond (Lezama, Buenos Aires)	Eliádes et al. (2002)
Pythiales				
<i>Lagenidium</i> sp.	W	<i>Ss</i>	Vitel pond and tributaries (Chascomús, Buenos Aires)	Steciow (1997b).
<i>Myzocyttium proliferum</i> Schenk.	H	<i>Closterium</i> sp.	Trafal river (Neuquén), bogs (Tierra del Fuego)	Yacobson (1963)
	H	<i>Spirogyra lenticularis</i>	La Lechería pond (Entre Ríos)	López & Mac Carthy (1985)
<i>Pythium aphanidermatum</i> (Edson) Fitz.	H	various plants	Various localities of Argentina (See Frezzi, 1956)	Frezzi (1956)
	W	<i>Hs</i>	Vitel pond and Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (1997b)
<i>P. marsipium</i> Drechsler	OM, S	<i>Hs</i>	Santiago River (Ensenada, Buenos Aires)	Steciow (1993a)
<i>P. segnitum</i> (?) B. Paul	OM	<i>Ss</i>	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>P. ultimum</i> var. <i>ultimum</i> Trow	H	various plants	Various localities of Argentina (See Frezzi, 1956)	Frezzi (1956)
	W	<i>Ss</i>	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished

<i>Phytophthora cactorum</i> (Lebert & Cohn) Schoröt	S	Ac	Ruta 7, km 70 (Luján, Buenos Aires)	Unpublished
<i>Pythiogeton utrifforme</i> Minden	OM, S, W	Ss	Vitel pond and Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (1996)
Rhipidiales				
<i>Rhipidium interruptum</i> Cornu	IS	Rf, Pmf, Cmf	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
Rozellopsidales				
<i>Rozellopsis inflata</i> (E. J. Butler) Karling	S	<i>Pythium</i> spp.	Soybean plot (Chascomús, Buenos Aires)	Unpublished
<i>R. simulans</i> (A. Fisch.) Karling	OM, W	<i>Achlya</i> sp.	Vitel pond and tributaries (Chascomús, Buenos Aires)	Steciow (1997b, 1998)
Saprolegniales				
<i>Achlya ambispora</i> Steciow*	OM	Ss	Las Cotorras stream (Ushuaia, Tierra del Fuego)	Steciow (2001a)
<i>A. americana</i> Humphrey	W	Ss	Parque 3 de Febrero (Capital Federal, Buenos Aires)	Beroqui (1970)
	OM, W	Hs	Lago del Bosque artificial lake (La Plata, Buenos Aires)	Steciow (1988)
	OM, W	Hs	Santiago river (Ensenada, Buenos Aires)	Steciow (1988)
<i>A. anomala</i> Steciow & Marano*	IS	Ss	Las Cañas stream (Ensenada, Buenos Aires)	Steciow & Marano (2008)
<i>A. apiculata</i> de Bary	OM	Ss	Santiago River (Ensenada, Buenos Aires)	Steciow (1993a)
<i>A. bisexualis</i> Coker & Couch	W	Ss	Parque 3 de Febrero (Capital Federal, Buenos Aires)	Beroqui (1970)
<i>A. bonaerensis</i> Beroqui*	W	Ss	Artificial lake in Palermo Park (Capital Federal, Buenos Aires)	Beroqui (1969a)
<i>A. cambrica</i> (Trow) T. W. Johnson	W, OM	Hs	Santiago River (Ensenada, Buenos Aires)	Steciow (1993a)
	W, OM	Hs	Vitel pond and tributaries (Chascomús, Buenos Aires)	Steciow (1997b)
<i>A. caroliniana</i> Coker	S, W	Hs	Santiago river and tributaries (Ensenada, Buenos Aires)	Steciow (1996)
	S	Ss	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
	S	Ss	Non-cultivated plot (Chascomús, Buenos Aires)	Unpublished
<i>A. conspicua</i> Coker	W	Ss	Parque 3 de Febrero (Capital Federal, Buenos Aires)	Beroqui (1970),
	OM, W	Hs	Santiago river (Ensenada, Buenos Aires)	Steciow (1997c)
<i>A. curvicolis</i> Beroqui*	NA	Hs	Buenos Aires, Argentina	Beroqui (1969b)
<i>A. diffusa</i> J.V. Harv. ex T. W. Johnson	W	Ss	Parque 3 de Febrero (Capital Federal, Buenos Aires)	Beroqui (1970)
<i>A. echinulata</i> Beroqui*	W	Ss	Artificial lake in Palermo Park (Capital Federal, Buenos Aires)	Beroqui (1969a)
<i>A. flagellata</i> Coker	W	Ss	Saladillo stream, Salado river (Buenos Aires)	Beroqui (1970)
<i>A. fuegiana</i> Steciow*	OM	Ss	Laguna Verde (Ushuaia, Tierra del Fuego)	Steciow (2001b)
<i>A. inflata</i> Coker & Braxton	OM	Ss	Vitel pond and tributaries (Chascomús, Buenos Aires)	Steciow (1997b)
<i>A. oblongata</i> var. <i>oblongata</i> de Bary	W	Ss	Santiago river (Ensenada, Buenos Aires)	Steciow (1988)
<i>A. oligacantha</i> de Bary	OM, W	Hs	Santiago river (Ensenada, Buenos Aires)	Steciow (1988)
<i>A. polyandra</i> Hildebrand	OM, W	Ss	Santiago river (Ensenada, Buenos Aires)	Steciow (1993a)
<i>A. prolifera</i> Nees	OM	Ss	Las Cañas stream and Santiago river (Ensenada, Buenos Aires)	Steciow (1988)
<i>A. proliferoides</i> Coker	OM, W	Hs	Santiago river (Ensenada, Buenos Aires)	Steciow (1993a)
<i>A. racemosa</i> Hildebrand	H	Fe, Ss	Fishery Experimental station (Chascomús, Buenos Aires)	Pacheco Marino et al. (2009)
<i>A. radiosa</i> Maurizio	OM, W	Ss, Ssk	Santiago river and tributaries (Ensenada, Buenos Aires)	Steciow (1993b)
	OM, W	Ss, Ssk	Don Carlos and Martín streams (La Plata, Buenos Aires)	Marano & Steciow (2006)
	IS	Rf	Las Cañas stream and Villa Elisa channel (Ensenada, Buenos Aires)	Marano & Steciow (2006)
	OM, W	Ss	El Pescado stream (La Plata, Buenos Aires)	Unpublished
	OM, W	Ss	Fantasma pond (Bariloche, Río Negro),	Unpublished
	OM, W	Ss	Temporary water body (La Plata, Buenos Aires)	Unpublished
<i>A. recurva</i> Cornu	S	Ss	Polluted soil	Steciow (1997c)
	OM	Ss	Unnamed stream (Luján, Buenos Aires)	Unpublished
<i>A. robusta</i> Steciow & Elíades*	OM	Ss	Polluted artificial channel (Ensenada, Buenos Aires)	Steciow & Elíades (2002b)
<i>A. rodrigueziana</i> P. T. Wolf	W	Ss	Salgado stream (Lobos, Buenos Aires)	Beroqui (1970)
<i>Aphanomyces helicoides</i> Minden	OM, S, W,	Ss	Santiago River (Ensenada, Buenos Aires)	Steciow (1993a)
<i>A. laevis</i> de Bary	IS, W	Ssk	Las Cañas stream (Ensenada, Buenos Aires),	Arellano et al. (2008)
<i>A. parasiticus</i> Coker	OM	<i>Achlya</i> spp. (hyphae)	Las Cañas stream (Ensenada, Buenos Aires),	Arellano et al. (2008)
<i>A. scaber</i> (=A. <i>irregularis</i>) de Bary	OM, S, W	Ss	Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (1996)
	OM, S, W	Ssk	Rodríguez stream (La Plata, Buenos Aires)	Marano & Steciow (2006)
<i>A. stellatus</i> de Bary	OM	Ssk	Temporary water body (La Plata, Buenos Aires)	Arellano et al. (2008)
Brevilegnia <i>ensenadensis</i> Steciow*	OM	Ss	Polluted artificial channel (Ensenada, Buenos Aires)	Steciow (2003a)
<i>B. longicaulis</i> T. W. Johnson	OM, S, W,	Ss	Santiago River (Ensenada, Buenos Aires)	Steciow (1993a)
Calyptralegnia <i>achlyoides</i> (Coker & Couch) Coker	S, W	Hs	Santiago River (Ensenada, Buenos Aires)	Steciow (1993a)
Dictyuchus <i>carpophorus</i> Zopf	OM	Hs	Vitel pond and tributaries (Chascomús, Buenos Aires)	Steciow (1997b)
<i>D. missouriensis</i> Couch	OM, S	Hs	Agricultural soil (Luján, Buenos Aires)	Steciow & Elíades (2001)
<i>D. monosporus</i> Leitg.	IS, M, OM, W	Ss	Rodríguez, Don Carlos and Martín streams (La Plata, Buenos Aires)	Marano & Steciow (2006)

	S	Ss	Dry and marginal forest (Ensenada, Buenos Aires)	Arellano et al. (2009)
	OM, W	Ss	Temporary water body (La Plata, Buenos Aires)	Unpublished
	OM, W	Cl, Fs, Ssk, Ll, Rf	Las Cañas stream (Ensenada, Buenos Aires)	Unpublished
<i>Isoachlya toruloides</i> Kauffman & Coker	W, OM	Hs	Lobos pond (Lobos, Buenos Aires)	Steciow (1988)
<i>Leptolegnia chapmanii</i> Seymour	H	<i>Aedes albifasciatus</i> (larvae)	Melchor Romero (La Plata, Buenos Aires)	López Lastra et al. (1999)
<i>Protoachlya paradoxa</i> (Coker) Coker	OM, W	Ss	Las Cañas stream (Ensenada, Buenos Aires),	Unpublished
	IS	<i>Am</i> leaves	Stream (Luján, Buenos Aires)	Unpublished
<i>Saprolegnia asterosphora</i> de Bary (= <i>Scoliolegnia asterosphora</i>)	W	Ss	Las Cañas and Los Helechos streams (Ensenada, Buenos Aires)	Arellano et al. (2008)
	OM	Ss	Temporary water bodies (La Plata, Buenos Aires)	Arellano et al. (2008)
	OM	ss, ssk	El Fantasma pond (Bariloche, Río Negro),	Unpublished
<i>S. australis</i> R. F. Elliott	OM, W	Hs	Santiago River (Ensenada, Buenos Aires)	Steciow (1993a)
<i>S. bulbosa</i> Steciow*	OM	Hs	El Gato stream (La Plata, Buenos Aires)	Steciow & Paul (2007)
<i>S. declina</i> Humphrey	OM, W	Hs	Santiago River (Ensenada, Buenos Aires)	Steciow (1988)
<i>S. ferax</i> (Gruith) Thur.	H	F, Ss	Fishery Experimental Station (Chascomús, Buenos Aires)	Pacheco Marino et al. (2009)
<i>S. glomerata</i> (Tiesenh.) A. Lund	OM, S, W	Ss	Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (1996)
<i>S. itoana</i> (Nagai) T. W. Johnson & R. L. Seym.	OM, S	Ss	Agricultural soil (General Rodríguez, Buenos Aires)	Unpublished
<i>S. litoralis</i> Coker	OM, W	Hs	Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (1997b, 1998)
<i>S. longicaulis</i> Steciow*	OM	Hs	Vitel Sur stream (Chascomús, Buenos Aires)	Steciow (2001c)
<i>S. milnae</i> Steciow*	OM	Ss	Milna river (Ushuaia, Tierra del Fuego)	Steciow (2002)
<i>S. parasitica</i> Coker	OM, W	Hs	Artificial lakes (La Plata, Buenos Aires)	Steciow (1988)
<i>S. oliviae</i> Steciow*	OM	Hs	Olivia river (Ushuaia, Tierra del Fuego)	Steciow (2003b)
<i>S. aff. uliginosa</i> Johannes	W	Hs	Vitel pond and tributaries (Chascomús, Buenos Aires)	Steciow (1997b)
<i>S. variabilis</i> Steciow & Elíades* ¹	OM	Hs	Polluted artificial channel (Ensenada, Buenos Aires)	Steciow & Elíades (2002c)
<i>Scoliolegnia hypogyna</i> Steciow, López Lastra & M. W. Dick*	OM	Collembola (dead), Hs	Bañado Ibicui (Iguazú National Park, Misiones)	Steciow et al. (2005)
<i>Thraustotheca terrestris</i> Steciow & Elíades*	OM, S	Ss	Ruta 7, km 70 (Luján, Buenos Aires)	Steciow & Elíades (2002d)

PROTOZOA

CERCOZOA

PHYTOMYXEA

Plasmodiophorida

<i>Woronina glomerata</i> (Cornu) A. Fisch.	S	<i>Vaucheria glomerata</i>	Olivos (Buenos Aires)	López & Mac Carthy (1985)
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^a Classification based on Kirk et al. (2008 modified) and Simmons et al. (2009)

* New species; ¹ Non-valid name; ² Rhizophydiales sensu Letcher et al. (2006, 2008) from Argentina are listed in detail in Table 2.

Table 2. Rhizophydiales (sensu Letcher et al., 2006) from Argentina (Letcher et al., 2008a, b): checklist and collection data. Abbreviations: **Le.:** Letcher; * new taxon according to Letcher et al. (2008a); ** new taxa or combinations according to Letcher et al. (2008b); *** new taxa in Letcher et al. (2006).

Taxa	Collection data
Insertae sedis	
<i>Coralloidiomyces digitatus</i> Le.*	Lake Muster (Chubut), 45°35'36''S-69°13'57"W, 08-2005
Alphamycetaceae Le.**	
<i>Alphamyces chaetifer</i> (Sparrow) Le.**	Dried swamp mud, Carlos Keen (Buenos Aires), 34°28'10"S-59°13'58"W, 07-2005 Cambá Cuá stream (Corrientes), 30°31'14"S-57°57'54"W, 03-2006 Cambá Cuá stream (Corrientes), 30°31'14"S-57°57'54"W, 03-2006 Iberá lake (Corrientes), 28°32'16"S-57°10'53"W, 09-2006
Angulomycetaceae Le.**	
<i>Angulomyces argentinensis</i> Le.**	Paichí stream, Paraná River floodplain (Buenos Aires), 34°14'44"S-58°44'51"W, 01-2005 Paichí stream, Paraná River floodplain (Buenos Aires), 34°14'44"S-58°44'51"W, 01-2005 Río de la Plata riverside lagoon, (Buenos Aires city), 34°22'25"S-58°26'35"W, 02-2006 Río de la Plata riverside lagoon, (Buenos Aires city), 4°22'25"S-58°26'35"W, 10-2006 Paichí stream, Paraná River floodplain (Buenos Aires), 34°14'44"S-58°44'51"W, 01-2005
<i>Angulomyces</i> clade ¹	
Aquamycetaceae Le.**	
<i>Aquamycetes chlorogonii</i> (Serbinow) Le.**	Planetario Lake (Buenos Aires city), 34°34'08"S-58°24'35"W, 11-2005 Road side pond, Carlos Keen (Buenos Aires), 34°28'57"S-59°12'54"W, 01-2006 Road side pond, Carlos Keen (Buenos Aires), 34°28'13"S-59°12'53"W, 01-2006 Road side pond, Carlos Keen (Buenos Aires), 34°28'13"S-59°12'53"W, 01-2006 Pond, Paraná River floodplain (Buenos Aires), 34°14'44"S-58°44'51"W, 01-2005 Pond, Paraná River floodplain (Buenos Aires), 34°14'44"S-58°44'51"W, 01-2005
<i>Aquamycetes</i> clade ¹	
Globomycetaceae Le.**	
<i>Globomyces pollinis-pinis</i> (A. Braun) Le.**	Regatas Lake (Buenos Aires city), 34°33'19"S-58°26'06"W, 10-2006 Regatas Lake (Buenos Aires city), 34°33'19"S-58°26'06"W, 10-2006
<i>Urceomyces sphaerocarpum</i> Le.**	Chañar stream, Biological Station, MACN (Corrientes), 27°33'1"S-58°40'48"W, 06-2006 Marsh, Biological Station of the MACN (Corrientes), 27°33'1"S-58°40'48"W, 06-2006
Gorgonomycetaceae Le.**	
<i>Gorgonomycetes haynaldii</i> (Schaarschm.) Le.**	Cambá Cuá stream (Corrientes), 30°31'14"S-57°57'54"W, 03-2006 Cambá Cuá stream (Corrientes), 30°31'14"S-57°57'54"W, 03-2006
<i>Gorgonomycetes</i> clade ¹	Iberá lake (Corrientes), 28°32'16"S-57°10'53"W, 03-2006 Marsh, Biological Station of the MACN (Corrientes), 27°33'1"S-58°40'48"W, 06-2006
Kappamycetaceae Le.***	
<i>Kappamycetes</i> clade ¹	Paichí stream, Paraná River floodplain (Buenos Aires), 34°14'44"S-58°44'51"W, 10-2006
Pateramycetaceae Le.**	
<i>Pateramycetes corrientinensis</i> Le.**	Cambá Cuá stream (Corrientes), 30°31'14"S-57°57'54"W, 03-2006 Río de la Plata riverside lagoon, (Buenos Aires city), 34°22'25"S-58°26'35"W, 02-2006 Small lake, Biological Station of the MACN (Corrientes), 27°33'1"S-58°40'48"W, 06-2006
Protrudomycetaceae Le.**	
<i>Protrudomyces laterale</i> (A. Braun) Le.**	Río de la Plata riverside lagoon, (Buenos Aires city), 34°22'25"S-58°26'35"W, 10-2006 Small lake, Biological Station of the MACN (Corrientes), 27°33'1"S-58°40'48"W, 06-2006 Río de la Plata riverside lagoon, (Buenos Aires city), 34°22'25"S-58°26'35"W, 10-2006

Rhizophydiaceae Le.***

Rhizophydium clade¹

Small swamp, Paraná River floodplain (Buenos Aires), 34°14'44"S-58°44'51"W, 01-2006

Small swamp, Paraná River floodplain (Buenos Aires), 34°14'44"S-58°44'51"W, 01-2006

Road side pond, Carlos Keen (Buenos Aires), 34°28'58"S-59°12'51"W, 01-2006

Río de la Plata riverside marsh, (Buenos Aires city), 34°22'25"S-58°26'35"W, 02-2006

Flooded trench, Paraná River floodplain (Buenos Aires), 34°14'44"S-58°44'51"W, 08-2006

Iberá lake (Corrientes), 28°32'16"S-57°10'53"W, 09-2006

Iberá lake (Corrientes), 28°32'16"S-57°10'53"W, 09-2006

Terramycetaceae Le.***

Boothiomycetes clade¹

Chañar stream, Biological Station, MACN (Corrientes), 27°33'1"S-58°40'48"W, 06-2006

¹unresolved/undersampled clades

Table 3. Zoosporic true fungi, heterotrophic straminipiles and plasmodiophorids from Brazil [Classification based on Kirk et al. (2008 modified) and Simmons et al. (2009)]. The species indicated in grey are only recorded for Brazil. Abbreviations: **OM:** organic matter, **PA:** parasite, **S:** soil, **SA:** saprotroph, **W:** water.

Taxa	Type of sample	Nutrition	References
FUNGI			
BLASTOCLADIOMYCOTA			
BLASTOCLADIOMYCETES			
Blastocladales			
<i>Allomyces anomalus</i> R. Emers.	S, W	SA	Milanez et al. (2007)
<i>A. arbusculus</i> E. J. Butler	S	SA	Milanez et al. (2007)
<i>A. macrogynus</i> (R. Emers.) R. Emers.	S	SA	Milanez et al. (2007)
<i>A. moniliformis</i> Coker & Braxton	S	SA	Milanez et al. (2007)
<i>A. neomoniliformis</i> Indoh	S	SA	Milanez et al. (2007)
<i>Blastocladia globosa</i> Kanouse	W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007)
<i>B. gracilis</i> Kanouse	W	SA	Milanez et al. (2007)
<i>B. incrassata</i> Indoh	W	SA	Milanez et al. (2007)
<i>B. pringsheimii</i> Reinsch	W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2010),
<i>B. prolifera</i> Minden	W	SA	Milanez et al. (2007)
<i>B. ramosa</i> Thaxt.	W	SA	Milanez et al. (2007)
<i>B. sparrowii</i> Indoh	W	SA	Milanez et al. (2007)
<i>Blastocладиella</i> sp.	S, W	SA	Milanez et al. (2007)
<i>Catenaria anguilulae</i> Sorokin	S	SA	Milanez et al. (2007)
<i>Catenophlyctis variabilis</i> (Karling) Karling	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2010)
<i>Coelomomyces cifferi</i> Leão	Eggs of <i>Phlebotomus</i>	PA	Milanez et al. (2007)
<i>Physoderma hydrocotylidis</i> Viégas & Teixeira	Plant	PA	Milanez et al. (2007)
<i>P. maydis</i> (Miyabe) Miyabe	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
CHYTRIDIOMYCOTA			
CHYTRIDIOMYCETES			
Chytridiales			
<i>Catenochytridium carolinianum</i> Berdan	S	SA	Milanez et al. (2007)
<i>C. hemicystii</i> J. S. Knox	S, W	SA	Milanez et al. (2007)
<i>C. kevorikiani</i> Sparrow	S, W	SA	Milanez et al. (2007)
<i>Chytriomycetes annulatus</i> Dogma	S	SA	Milanez et al. (2007)
<i>C. appendiculatus</i> Karling	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009),
<i>C. aureus</i> Karling	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009),
<i>C. hyalinus</i> var. <i>hyalinus</i> Karling	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009),
<i>C. spinosus</i> Fay	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009),
<i>C. stellatus</i> Karling	S	SA	Milanez et AL. (2007)
<i>Cladochytrium crassum</i> Hillegas	W	SA	Milanez et al. (2007)
<i>C. granulatum</i> (Karling) Sparrow	W	SA	Milanez et al. (2007)
<i>C. hyalinum</i> Berdan	W	SA	Milanez et al. (2007)
<i>C. replicatum</i> Karling	W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009),
<i>C. setigerum</i> Karling	S, W	SA	Nascimento & Pires-Zottarelli (2009)
<i>C. tenue</i> Nowak.	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009),
<i>Cylindrochytridium johnstonii</i> Karling	S, W	SA	Milanez et AL. (2007)
<i>Diplophlyctis amazonensis</i> (Karling) Sparrow	W	SA	Milanez et al. (2007)
<i>D. asteroidea</i> Dogma	W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007)
<i>D. complicata</i> (Willoughby) Dogma	W	SA	Milanez et al. (2007)
<i>D. intestina</i> (Schenk.) J. Schröt.	S, W	SA	Nascimento & Pires-Zottarelli (2009)
<i>D. sarcoptoidea</i> (H. E. Petersen) Dogma	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009),
<i>Endochytrium operculatum</i> (de Wild) Karling	Rotifer, Fungi	PA	Milanez et al. (2007)
<i>Entophlyctis lobata</i> Willoughby & Towley	S, W	SA	Milanez et al. (2007)
<i>E. luteolus</i> Longcore	S, W	SA	Pires-Zottarelli et al. (2007a), Nascimento et al. (2010)
<i>Karlingiomyces asterocystis</i> (Karling) Sparrow	S	SA	Nascimento & Pires-Zottarelli (2010)
<i>K. curvispinosus</i> (Karling) Sparrow	S, W	SA	Nascimento & Pires-Zottarelli (2010)
<i>K. dubius</i> (Karling) Sparrow	S, W	SA	Milanez et al. (2007), Nascimento et al. (2010)
<i>K. granulatus</i> (Karling) Sparrow	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2010),

<i>Nowakowskiella elegans</i> (Nowak.) J. Schröt	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009)
<i>N. elongata</i> Karling	S, W	SA	Milanez et al. (2007)
<i>N. hemisphaerospora</i> Shanor	W	SA	Milanez et al. (2007)
<i>N. macrospora</i> Karling	W	SA	Milanez et al. (2007)
<i>N. multispora</i> Karling	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009)
<i>N. profusa</i> Karling	S	SA	Milanez et al. (2007)
<i>N. ramosa</i> E. J. Butler	OM, S	SA	Milanez et al. (2007)
<i>Nephrochytrium stellatum</i> Couch	S	SA	Milanez et al. (2007)
<i>Phlyctochytrium aureliae</i> Ajello	S	SA	Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009)
<i>P. closterii</i> (Karling) Sparrow	Algae	PA	Milanez et al. (2007)
<i>P. furcatum</i> Sparrow	S	SA	Milanez et al. (2007)
<i>P. hallii</i> Couch	Algae	SA	Milanez et al. (2007)
<i>P. mangrovei</i> Ulken	Plant, S	SA	Milanez et al. (2007)
<i>P. mucronatum</i> Canter	S	SA	Milanez et al. (2007)
<i>P. nematodeae</i> Karling	Nematode	PA	Milanez et al. (2007)
<i>P. planicorne</i> G. F. Atk.	S, W	SA	Milanez et al. (2007)
<i>P. reinboldtae</i> Persiel	S	SA	Milanez et al. (2007)
<i>P. clavatum</i> Pfitzer	S, W	SA	Milanez et al. (2007)
<i>Polychytrium aggregatum</i> Ajello	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento et al. (2010)
<i>Rhizidium brasiliensis</i> Karling	S, W	SA	Milanez et al. (2007)
<i>R. chitinophilum</i> Sparrow	W	SA	Milanez et al. (2007)
<i>R. laeve</i> Karling	S	SA	Milanez et al. (2007)
<i>R. nowakowskii</i> Karling	W	SA	Milanez et al. (2007)
<i>R. verrucosum</i> Karling	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007)
<i>Rhopalophlyctis sarcoptoides</i> Karling	W	SA	Milanez et al. (2007)
<i>Septochytrium macrosporum</i> Karling	Fungi	PA	Milanez et al. (2007)
<i>S. marilandicum</i> Karling	S	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007)
<i>S. plurilobulum</i> Johanson	Fungi	SA	Milanez et al. (2007)
<i>S. variabilis</i> Berdan	S, W	SA	Milanez et al. (2007)
<i>S. willoughbyi</i> Dogma	S, W	SA	Milanez et al. (2007), Nascimento & Pires-Zottarelli (2009)
<i>Septosperma rhizophydii</i> Whiffen ex W. H. Blackw. & M. J.	S, W	PA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009)
<i>Siphonaria petersenii</i> Karling	W	SA	Milanez et al. (2007)
<i>S. sparrowii</i> Karling	W	SA	Milanez et al. (2007)
<i>Solutoparies pythii</i> Whiffen ex W. H. Blackw. & M. J. Powell	W	SA	Nascimento & Pires-Zottarelli (2009)
<i>Sparrowia subcruciformis</i> Dogma	S	SA	Milanez et al. (2007)
<i>Synchytrium australe</i> Speg.	Plant	PA	Figueiredo et al. (2007)
<i>S. desmondii</i> Munas.	Algae	PA	Milanez et al. (2007)
<i>S. echii</i> Speg.	Plant	PA	Milanez et al. (2007)
<i>S. endobioticum</i> (Schilb.) Percival	Plant	PA	Milanez et al. (2007)
<i>S. phaesoli</i> W. Weston	Plant	PA	http://nt.ars-grin.gov/fungaldatabases (2009)
<i>S. stellarie</i> Fuckel	Plant	PA	Milanez et al. (2007)
<i>Truittella</i> sp.	W	SA	Milanez et al. (2007)
Uncertain taxonomic position			
<i>Batrachochytrium dendrobatidis</i> Longcore Pessier & D. K.	Amphibian	PA	Milanez et al. (2007)
Lobulomycetales			
<i>Lobulomyces poculatus</i> (Willoughby & Towley) D. R.	S	SA	Milanez et al. (2007)
Rhizophlyctidales			
<i>Rhizophlyctis chitinophila</i> (Karling) Sparrow	S, W	SA	Milanez et al. (2007), Nascimento et al. (2010)
<i>R. fusca</i> Karling	S	SA	Milanez et al. (2007)
<i>R. hyalina</i> (Karling) Sparrow	S	SA	Milanez et al. (2007)
<i>R. petersenii</i> Sparrow	S, W	SA	Milanez et al. (2007)
<i>R. rosea</i> (de Bary & Woronin) A. Fisch.	Fungi, S, W	PA, SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2010),
<i>R. serpentina</i> Dogma	OM, S	SA	Milanez et al. (2007)
<i>R. spinosa</i> (Karling) Sparrow	S	SA	Milanez et al. (2007)
Rhizophydiales sensu Sparrow (1960)			
<i>Rhizophydium amoebae</i> Karling	Amoebae	PA, SA	Milanez et al. (2007)
<i>R. anatropium</i> (A. Braun) Karling	Fungi	PA	Milanez et al. (2007)

<i>R. apiculatum</i> Karling	Protozoa	PA	Milanez et al. (2007)
<i>R. brevipes</i> var. <i>brevipes</i> G. F. Atk.	W	SA	Milanez et al. (2007)
<i>R. bullatum</i> Sparrow	S	SA	Milanez et al. (2007)
<i>R. carpophilum</i> Zopf	Straminipila	PA	Milanez et al. (2007)
<i>R. chitinophilum</i> Antik.	OM, W	SA	Milanez et al. (2007)
<i>R. condylosum</i> Karling	S	SA	Pires-Zottarelli & Gomes (2007)
<i>R. conicum</i> Karling	Algae	PA	Milanez et al. (2007)
<i>R. coronum</i> A. M. Hanson	S	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007)
<i>R. elyense</i> Sparrow	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009),
<i>R. gibbosum</i> (Zopf) A. Fisch.	Rotifer	PA	Milanez et al. (2007)
<i>R. globosum</i> (A Braun) Rabenh.	Algae, Fungi	PA	Milanez et al. (2007)
<i>R. hyperparasiticum</i> Karling	Fungi	PA	Milanez et al. (2007)
<i>R. keratinophilum</i> Karling	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007)
<i>R. macroporosum</i> Karling	S	SA	Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009)
<i>R. mycetophagum</i> Karling	Fungi	PA	Milanez et al. (2007)
<i>R. pollinis-pini</i> (A Braun) Zopf	Algae, Fern spores, S, W	PA, SA	Milanez et al. (2007)
<i>R. sphaerocarpaceum</i> (Zopf) A. Fisch	Algae	PA	Milanez et al. (2007)
<i>R. sphaerotheca</i> Zopf	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007)
<i>R. spinosum</i> Willoughby	S	SA	Milanez et al. (2007)
<i>R. stipitatum</i> Sparrow	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento & Pires-Zottarelli (2009)
<i>R. zoophthorum</i> (P.A. Dang) Fisch	Rotifer	PA	Milanez et al. (2007)
Spizellomycetales			
<i>Gaertneriomyces spectabile</i> S. F.Chen & C. Y. Chien	S	SA	Milanez et al. (2007)
<i>Spizellomyces punctatus</i> (W. J. Koch) D. J. S. Barr	Fungi	PA	Milanez et al. (2007)
Incertae sedis			
<i>Olpidium brassicae</i> (Woronin) P. A Dang	Plant	PA	Milanez et al. (2007)
<i>O. granulatum</i> Karling	Rotifer	PA	Milanez et al. (2007)
<i>O. rhizophlyctidis</i> Sparrow	Fungi	PA	Milanez et al. (2007)
<i>O. rotiferum</i> Karling	Rotifer	PA	Milanez et al. (2007)
<i>O. utriculiforme</i> Scherff.	Algae	PA	Milanez et al. (2007)
Incertae sedis			
<i>Rozella achlyae</i> Shanor	Straminipila	PA	Milanez et al. (2007)
<i>R. allomycis</i> F. K. Faust	Fungi	PA	Milanez et al. (2007)
<i>R. cladochytrii</i> Karling	Fungi	PA	Milanez et al. (2007)
<i>R. chytriomycetis</i> Karling	Fungi	PA	Nascimento & Pires-Zottarelli (2010)
<i>R. endochytrii</i> Karling	Fungi	PA	Milanez et al. (2007)
<i>R. laevis</i> Karling	Straminipila	PA	Milanez et al. (2007)
<i>R. rhizophlycti</i> Karling	Fungi	PA	Milanez et al. (2007)
<i>R. rhizophydii</i> Karling	Fungi	PA	Milanez et al. (2007)
MONOBLEPHARIDOMYCETES			
Monoblepharidales			
<i>Gonapodya polymorpha</i> Thaxt.	S, W	SA	Milanez et al. (2007)
<i>G. prolifera</i> (Cornu) A. Fisch.	S, W	SA	Milanez et al. (2007), Pires-Zottarelli & Gomes (2007), Nascimento et al. (2010)
<i>Monoblepharella mexicana</i> Shanor	S	SA	Milanez et al. (2007)
<i>Monoblepharis reginens</i> Lagerh.	W	SA	Milanez et al. (2007)
CHROMISTA (STRAMINIPILA PRO PARTE)			
HYPHOCHYTRIOMYCOTA			
HYPHOCHYTRIOMYCETES			
Hyphochytriales			
<i>Hyphochytrium catenoides</i> Karling	W	SA	Moreira (2006)
<i>Rhizidiomyces apophysatus</i> Zopf	Fungi	PA	Milanez et al. (2007)
<i>R. bivellatus</i> Nabel	S	SA	Milanez et al. (2007)
<i>R. hansonii</i> Karling	S	SA	Milanez et al. (2007)
<i>R. hirsutus</i> Karling	OM	SA	Milanez et al. (2007)

OOMYCOTA**OOMYCETES****Albuginales**

<i>Albugo blitii</i> (Biv.) O. Kuntze	Plant	PA	Milanez et al. (2007)
<i>A. candida</i> (Pers.) O. Kuntze	Plant	PA	Milanez et al. (2007)
<i>A. convolvulacearum</i> (Speg.) P. Henn.	Plant	PA	Milanez et al. (2007)
<i>A. ipomoeae-panduratae</i> (Schwein.) Swingle	Plant	PA	Milanez et al. (2007)
<i>A. minor</i> (Speg.) Cif.	Plant	PA	Milanez et al. (2007)
<i>A. platensis</i> (Speg.) Swingle	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>A. portulacae</i> (DC.) O. Kuntze	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>A. solivae</i> J. Schröt.	Plant	PA	Milanez et al. (2007)
<i>A. trapogonis</i> (DC.) Gray	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)

Haptoglossales

<i>Haptoglossa heterospora</i> Drechsler	Nematode, S	PA, SA	Milanez et al. (2007)
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Leptomitales

<i>Aphanodictyon papillatum</i> Huneycutt	S	SA	Milanez et al. (2007)
<i>Apodachlya pyrifer</i> Zopf	W	SA	Milanez et al. (2007)
<i>Leptolegniella exogena</i> Karling	S	SA	Gomes & Pires-Zottarelli (2006)
<i>L. exospora</i> W. D. Kane	S	SA	Milanez et al. (2007)
<i>L. keratinophila</i> Huneycutt	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)

Incertae sedis

<i>Cornumyces destruens</i> (Sparrow) M. W. Dick	Straminipila	PA	Milanez et al. (2007)
<i>C. irregularis</i> (Const.) M. W. Dick	Straminipila	PA	Milanez et al. (2007)
<i>Pythiella vernalis</i> Couch	Straminipila	PA	Pires-Zottarelli et al. (2009)

Olpidiopsidales

<i>Gracea gracilis</i> (E. J. Butler) M. W. Dick	Straminipila	PA	Milanez et al. (2007)
<i>Olpidiopsis achlyae</i> McLarty	S, Straminipila	PA, SA	Milanez et al. (2007), Nascimento et al. (2010)
<i>O. brasiliensis</i> (Viégas & Teixeira) Sparrow	Straminipila	PA	Milanez et al. (2007)
<i>O. fusiformis</i> Cornu	Straminipila	PA	Milanez et al. (2007)
<i>O. saprolegniae</i> Cornu	Straminipila	PA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>O. varians</i> Shanor	Straminipila	PA	Milanez et al. (2007)

Peronosporales

<i>Basidiophora entospora</i> Roze & Cornu	Plant	PA	Rodrigues Junior et al. (2002)
<i>B. montana</i> R.W. Barreto	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>Bremia lactucae</i> Regel	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>Hyaloperonospora brassicae</i> (Gaüm.) Göker	Plant	PA	Milanez et al. (2007)
<i>H. parasitica</i> (Pers.) Const.	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>Peronosclerospora sorghi</i> (W. Weston & Uppal) C. G. Shaw	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>Peronospora alsinearum</i> Casp.	Plant	PA	Milanez et al. (2007)
<i>P. debaryi</i> E. S. Salmon & Warre	Plant	PA	Milanez et al. (2007)
<i>P. destructor</i> (Berk.) Casp. Ex Berk.	Plant	PA	Milanez et al. (2007)
<i>P. dianthicola</i> R. Heim	Plant	PA	Milanez et al. (2007)
<i>P. farinosa</i> (Fr.) Fr.	Plant	PA	Milanez et al. (2007)
<i>P. gossypina</i> Av.Saccá	Plant	PA	Milanez et al. (2007)
<i>P. hyosoyami</i> f. sp. <i>tabacina</i> Skalický	Plant	PA	Milanez et al. (2007)
<i>P. manshurica</i> (Naumov) Syd.	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. sparsa</i> Berk.	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. trifoliorum</i> de Bary	Plant	PA	Milanez et al. (2007)
<i>P. viciae</i> (Berk.) de Bary	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. viciae</i> f. sp. <i>pisii</i> Boerema & Verh.	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>Plasmopara halstedii</i> (Farl.) Berl. De Toni	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. nivea</i> (Unger) J. Schröt.	Plant	PA	Milanez et al. (2007)
<i>P. viticola</i> (Berk. & M.A Curtis) Berl. & De Toni	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>Pseudoperonospora cubensis</i> (Berk. & M. A. Curtis) Rostovzev	Plant	PA	Milanez et al. (2007)
<i>Sclerophthora macrospora</i> (Sacc.) Thirum C. G. Shaw &	Plant	PA	Milanez et al. (2007)

Pythiales				
Lagenidium <i>distylae</i> Karling	<i>Distyla</i> sp.	PA		Milanez et al. (2007)
<i>L. intermedium</i> de Wild.	Algae	PA		Milanez et al. (2007)
<i>L. parthenosporum</i> Karling	<i>Distyla</i> sp., <i>Philodina</i> sp., <i>Heterodera</i> sp., Eggs of <i>haetonotus larus</i>	PA		Milanez et al. (2007)
Myzocytiium <i>megastomum</i> de Wild.	Algae	PA		Milanez et al. (2007)
<i>M. microsporun</i> (Karling) Sparrow	<i>Distyla</i> sp.	PA		Milanez et al. (2007)
Phytophthora <i>boehmeriae</i> Sawada	Plant	PA		Santos et al. (2006)
<i>P. cactorum</i> (Lebert & Cohn) Schoröt.	Plant	PA		Milanez et al. (2007)
<i>P. capsici</i> Leonian	Plant	PA		Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. carica</i> (Hara) Hori	Plant	PA		Farr & Rossman (2011)
<i>P. cinnamomi</i> Rands	Plant	PA		Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. citricola</i> Sawada	Plant	PA		Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. citrophthora</i> (R.E. SM & E.H. SM.) Leonian	Plant	PA		Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. colocasiae</i> Racib.	Plant	PA		Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. cryptogea</i> Pethbr. & Laff.	Plant	PA		Milanez et al. (2007)
<i>P. drechslerii</i> Tucker	Plant	PA		Milanez et al. (2007)
<i>P. gonapodyides</i> (H.E. Petersen) Buisman	Plant	PA		Milanez et al., (2007), Rodrigues Junior et al. (2002)
<i>P. hibernalis</i> J.R. Carne	Plant	PA		Milanez et al. (2007)
<i>P. idaei</i> D.M. Kenn.	Plant	PA		Milanez et al. (2007)
<i>P. infestans</i> (Mont.) de Bary	Plant	PA		Rodrigues Junior et al. (2002)
<i>P. meadii</i> McRae	Plant	PA		Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. megasperma</i> Drechsler	Plant	PA		Milanez et al. (2007)
<i>P. nicotianae</i> Breda de Hann	Plant	PA		Milanez et al. (2007)
<i>P. oryzae</i> (S. Ito & Nagai) Waterh.	Plant	PA		Rodrigues Junior et al. (2002)
<i>P. palmivora</i> (E.J. Butler) E.J. Butler	Plant	PA		Milanez et al. (2007)
<i>P. phaseoli</i> Taxt.	Plant	PA		Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. richardie</i> Buisman	Plant	PA		Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. sojae</i> Kaufm. & Gerd.	Plant	PA		Milanez et al. (2007)
<i>P. tropicalis</i> Aragaki & J.Y. Uchida	Plant	PA		Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. undulata</i> (H.E. Petersen) M.W. Dick	Plant	PA		Rodrigues Junior et al. (2002)
Pythiogeton <i>dichotomum</i> Tokun.	S, W	SA		Milanez et al. (2007)
<i>P. ramosum</i> Minden	S, W	SA		Milanez et al. (2007), Gomes & Pires-Zottarelli (2008), Nascimento et al. (2010)
<i>P. uniforme</i> A. Lund	S, W	SA		Milanez et al. (2007)
<i>P. utrifforme</i> Minden	S, W	SA		Milanez et al. (2007)
Pythium <i>acanthicum</i> Drechsler	S	SA		Milanez et al. (2007), Gomes & Pires-Zottarelli (2008), Miranda & Pires-Zottarelli (2008)
<i>P. aphanidermatum</i> (Edson) Fitz.	Plant	PA, SA		Milanez et al. (2007), Patekoski & Pires-Zottarelli (2010)
<i>P. arrhenomanes</i> Drechsler	Plant	PA		Milanez et al. (2007)
<i>P. catenulatum</i> V.D. Matthews	Plant	PA		Milanez et al. (2007)
<i>P. debaryanum</i> R. Hesse	Plant, S, W	PA, SA		Milanez et al. (2007); Rodrigues Junior et al. (2002)
<i>P. deliense</i> Meurs	Plant	PA		Milanez et al. (2007)
<i>P. diclinum</i> Tokun.	W	SA		Milanez et al. (2007)
<i>P. dictyosporum</i> Racib.	S	SA		Milanez et al. (2007)
<i>P. dissotocum</i> Drechsler	Plant, W	PA, SA		Baptista (2007), Miranda & Pires-Zottarelli (2008), Patekoski & Pires-Zottarelli (2009)
<i>P. echinulatum</i> V. D. Matthews	S, W	SA		Milanez et al. (2007), Miranda & Pires-Zottarelli (2008)
<i>P. graminicola</i> Subraman.	Plant, S	PA, SA		Milanez et al. (2007)
<i>P. helicandrum</i> Drechsler	S	SA		Gomes & Pires-Zottarelli (2006)
<i>P. helicoides</i> Drechsler	Plant	PA		Teixeira et al. (2006)
<i>P. hydnosporum</i> (Mont.) J. Schröt.	Plant	PA		Milanez et al. (2007)
<i>P. hypogynum</i> Middleton	W	SA		Milanez et al. (2007)
<i>P. indigoferae</i> E. J. Butler	Plant	PA		Milanez et al. (2007)
<i>P. inflatum</i> V. D. Matthews	Plant, W	PA, SA		Milanez et al. (2007)
<i>P. insidiosum</i> De Cock L. Mend. Padhyae Ajello & Kaufman	Mammal	PA		Milanez et al. (2007)
<i>P. irregulare</i> Buisman	Plant, S	PA, SA		Milanez et al. (2007)
<i>P. mamillatum</i> Meurs	Plant, S	PA, SA		Milanez et al. (2007)
<i>P. megalacanthum</i> de Bary	Plant	PA		Milanez et al. (2007)
<i>P. middletonii</i> Sparrow	S, W	SA		Milanez et al. (2007), Miranda & Pires-Zottarelli (2008)

<i>P. monospermum</i> Pringsh.	S	SA	Milanez et al. (2007)
<i>P. myriotylum</i> Drechsler	Plant, S	PA, SA	Milanez et al. (2007)
<i>P. nagaii</i> Drechsler	Plant	PA	Milanez et al. (2007)
<i>P. oligandrum</i> Drechsler	Plant, S	PA, SA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. palingenes</i> Drechsler	S	SA	Milanez et al. (2007)
<i>P. paroecandrum</i> Drechsler	S	SA	Milanez et al. (2007)
<i>P. parvum</i> Ali-Stayeh	S	SA	Milanez et al. (2007)
<i>P. peritulum</i> Drechsler	W	SA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>P. periplocum</i> Drechsler	Plant	PA	Milanez et al. (2007)
<i>P. perplexum</i> H. Kouyeas & Theoh.	S	SA	Pereira & Rocha (2008)
<i>P. pleroticum</i> T. Ito	S	SA	Milanez et al. (2007)
<i>P. pulchrum</i> Minden	S, W	SA	Milanez et al. (2007)
<i>P. rostratum</i> Sawada	Plant, S, W	PA, SA	Milanez et al. (2007); Miranda & Pires-Zottarelli (2008)
<i>P. spinosum</i> Sawada	S	SA	Milanez et al. (2007)
<i>P. splendens</i> Hans Braun	Plant, S	PA, SA	Milanez et al. (2007)
<i>P. tardicrescens</i> Vanterp.	S, W	SA	Milanez et al. (2007)
<i>P. torulosum</i> Coker & P. Patt.	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008), Miranda & Pires-Zottarelli (2008)
<i>P. ultimum</i> var. <i>sporangiiferum</i> Drechsler	S, W	SA	Milanez et al. (2007)
<i>P. ultimum</i> var. <i>ultimum</i> Trow	Plant, S, W	PA, SA	Milanez et al. (2007)
<i>P. vexans</i> de Bary	Plant, S, W	PA, SA	Milanez et al. (2007), Miranda & Pires-Zottarelli (2008), Nascimento et al. (2010)
Rhipidiales			
<i>Aqualinderella</i> sp.	W	SA	Milanez et al. (2007)
<i>Rhipidium interruptum</i> Cornu	W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>R. thaxteri</i> Minden	W	SA	Milanez et al. (2007)
<i>Sapromyces androgynus</i> Thaxt.	W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>S. elongatus</i> (Cornu) Thaxt.	W	SA	Milanez et al. (2007)
Rozellopsidales			
<i>Sphaerita minor</i> A. M. Cunha & Muniz	<i>Trichomonas</i> spp.	PA	Milanez et al. (2007)
Saprolegniales			
<i>Achlya achlyoides</i> (Coker & Alexander) T. W. Johnson & R. L.	S	SA	Milanez et al. (2007)
<i>A. ambisexualis</i> J. R. Raper	W	SA	Milanez et al. (2007)
<i>A. americana</i> Humphrey	W	SA	Milanez et al. (2007)
<i>A. apiculata</i> de Bary	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>A. benekei</i> J. S. Furtado	W	SA	Milanez et al. (2007)
<i>A. bisexualis</i> Coker & Couch	W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>A. brasiliensis</i> A. I. Milanez	W	SA	Milanez et al. (2007)
<i>A. cambrica</i> (Trow) T. W. Johnson	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>A. caroliniana</i> Coker	S, W	SA	Milanez et al. (2007)
<i>A. crenulata</i> Ziegler	S	SA	Milanez et al. (2007)
<i>A. debaryana</i> Humphrey	S, W	SA	Milanez et al. (2007)
<i>A. diffusa</i> J. V. Harv. ex T. W. Johnson	S, W	SA	Milanez et al. (2007)
<i>A. dubia</i> Coker	S, W	SA	Milanez et al. (2007), Nascimento et al. (2010)
<i>A. flagellata</i> Coker	Fungi, S, W	PA, SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>A. glomerata</i> Coker	S	SA	Milanez et al. (2007)
<i>A. hypogyna</i> Coker & Pemberton	S	SA	Milanez et al. (2007)
<i>A. klebsiana</i> Pieters	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>A. orion</i> Coker & Couch	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008), Nascimento et al. (2010)
<i>A. oviparvula</i> A.L. Rogers & Beneke	S, W	SA	Milanez et al. (2007)
<i>A. paradoxa</i> Coker	W	SA	Milanez et al. (2007)
<i>A. prolifera</i> Nees	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>A. proliferoides</i> Coker	S, W	SA	Milanez et al. (2007), Nascimento et al. (2010)
<i>A. pseudoachlyoides</i> (Beneke) T. W. Johnsons & R. L. Seym.	S, W	SA	Milanez et al. (2007)
<i>A. radiosa</i> Maurizio	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008), Nascimento et al. (2010)
<i>A. recurva</i> Cornu	S	SA	Milanez et al. (2007)
<i>A. subterranea</i> Coker & Braxton	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>A. treleasena</i> (Humphrey) Kauffman	S, W	SA	Gomes & Pires-Zottarelli (2006)
<i>Aphanomyces cladogamus</i> Drechsler	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)

<i>A. euteiches</i> Drechsler	S, W	SA	Milanez et al. (2007)
<i>A. helicoides</i> Minden	S, W	SA	Milanez et al. (2007)
<i>A. irregularis</i> (= <i>A. scaber</i>) W. W. Scott	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>A. keratinophilus</i> (Öokubo & Kobayasi) R. L. Seym. & T. W.	S	SA	Milanez et al. (2007)
<i>A. laevis</i> de Bary	S, Straminipila, W	PA, SA	Milanez et al. (2007)
<i>A. raphani</i> J. B. Kendr.	Plant	PA	Milanez et al. (2007)
<i>A. stellatus</i> de Bary	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>Aplanes braunii</i> de Bary	S	SA	Milanez et al. (2007)
<i>Brevilegnia declina</i> J. V. Harv.	S	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>B. linearis</i> Coker	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>B. megasperma</i> J. V. Harv.	S	SA	Milanez et al. (2007)
<i>B. minutandra</i> Höhnk	S	SA	Milanez et al. (2007), Nascimento (2010)
<i>B. subclavata</i> Couch	S	SA	Milanez et al. (2007)
<i>Dictyuchus monosporus</i> Leitg.	S, W	SA	Milanez et al. (2007)
<i>D. pseudodictyon</i> Coker & Braxton ex Couch	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>Geolegnia inflata</i> Coker & J. V. Harv.	S	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>Leptolegnia caudata</i> de Bary	W	SA	Milanez et al. (2007)
<i>L. eccentrica</i> Coker & Matthews	S	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>L. hemihypogyna</i> R. L. Seym.	S	SA	Milanez et al. (2007)
<i>L. subterranea</i> Coker & J. V. Harv.	S	SA	Gomes & Pires-Zottarelli (2006)
<i>Phragmosporangium uniseriatum</i> R. L. Seym.	S	SA	Pires-Zottarelli et al. (2007b)
<i>Plectospora myriandra</i> Drechsler	S	SA	Milanez et al. (2007), Nascimento et al. (2010)
<i>Pythiopsis humphreyana</i> Coker	S	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>P. irregularis</i> R. L. Seym.	S	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>P. papiliformis</i> R. L. Seym.	S	SA	Milanez et al. (2007)
<i>Saprolegnia asterophora</i> de Bary	S, W	SA	Milanez et al. (2007)
<i>S. australis</i> R. F. Elliot	W	SA	Milanez et al. (2007)
<i>S. blelhamensis</i> (M. W. Dick) Milko	S	SA	Gomes & Pires-Zottarelli (2006)
<i>S. declina</i> Humphrey	S, W	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>S. ferax</i> (Gruih.) Thur.	S, W	SA	Milanez et al. (2007), Nascimento et al. (2010)
<i>S. furcata</i> Maurizio	W	SA	Milanez et al. (2007)
<i>S. litoralis</i> Coker	S	SA	Milanez et al. (2007)
<i>S. megasperma</i> Coker	S, W	SA	Milanez et al. (2007)
<i>S. parasitica</i> Coker	S, W	SA	Milanez et al. (2007)
<i>S. subterranea</i> (Dissmann) R. L. Seym.	S	SA	Milanez et al. (2007), Gomes & Pires-Zottarelli (2008)
<i>S. terrestris</i> Cookson ex R. L. Seym.	S, W	SA	Gomes & Pires-Zottarelli (2006)
<i>S. torulosa</i> de Bary	S	SA	Milanez et al. (2007)
<i>S. truncata</i> R. L. Seym.	S	SA	Milanez et al. (2007)
<i>S. unispora</i> (Coker & Couch) R. L. Seym.	S	SA	Milanez et al. (2007)
<i>Thraustotheca clavata</i> (de Bary) Humphrey	S, W	SA	Milanez et al. (2007)

LABYRINTHULOMYCOTA

LABYRINTHULOMYCETES

Thraustochytriales

<i>Oblongichytrium multirudimentale</i> (S. Goldst.) R. Yokoy. & D.	W	SA	Milanez et al. (2007)
<i>Schizochytrium aggregatum</i> S. Goldst. & Belsky	W	SA	Milanez et al. (2007)
<i>Thraustochytrium proliferum</i> Sparrow	W	SA	Milanez et al. (2007)
<i>T. pachydermum</i> Scholz	W	SA	Milanez et al. (2007)

PROTOZOA

CERCOZOA

PHYTOMYXEA

Plasmodiophorida

<i>Plasmodiophora brassicae</i> Woronin	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>Polymyxa graminis</i> Ledingham	Plant	PA	Milanez et al. (2007)
<i>Spongospora subterranea</i> (Wallr.) Lagerh.	Plant	PA	Milanez et al. (2007), Rodrigues Junior et al. (2002)
<i>Woronina polycystis</i> Cornu	Straminipila	PA	Milanez et al. (2007)