

Table S2. List of studies excluded from the individual data sets grouped by reason of exclusion.

1. Prevalence.

Sample sizes ≤ 10 samples (n = 324)

Artiodactyla	Antilope cervicapra	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Antilope spp.	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Bos bonasus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Bos bonasus	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Bubalus bubalis	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Capra hircus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	Capra hircus	Settnes and Henriksen 1989	Pneumocystis carinii in large domestic animals in Denmark
Artiodactyla	Capra hircus	McConnell et al. 1971	Pneumocystosis in a domestic goat
Artiodactyla	Capra hircus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	Capra hircus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	Capra hircus	Sakakibara et al. 2013	Pneumocystis carinii Infection in a Domestic Goat (Capra hircus domesticus) with Multibacillary Paratuberculosis
Artiodactyla	Hippotragus niger	Wilson et al. 1974	Observations on mortality rates and disease in roan and sable antelope on nature reserves in the Transvaal
Artiodactyla	Ovis aries	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Rupicapra rupicapra	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Camelus bactrianus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Camelus dromedarius	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Lama glama	Underwood et al. 1992	Apparent retrovirus-induced immunosuppression in a yearling llama

Artiodactyla	Lama glama	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Capreolus capreolus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Artiodactyla	Capreolus capreolus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus alfredi	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus elaphus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus nippon	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus spp.	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus spp.	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Artiodactyla	Dama dama	Settnes and Henriksen 1989	Pneumocystis carinii in large domestic animals in Denmark
Artiodactyla	Elaphurus davidianus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Muntiacus muntjak	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Rangifer tarandus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Rangifer tarandus groenlandicus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Artiodactyla	Rusa unicolor	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Sus scrofa	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Artiodactyla	Sus scrofa domesticus	Seibold and Munnell 1977	Pneumocystis carinii in a pig
Artiodactyla	Sus scrofa domesticus	Ramos-Vara et al. 1998	Characterization of natural occurring Pneumocystis carinii pneumonia in pigs by histopathology, electron microscopy, in situ hybridization and PCR amplification
Artiodactyla	Sus scrofa domesticus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan

Artiodactyla	Sus scrofa domesticus	Jensen et al. 2001	Application of fluorescent in situ hybridization for specific diagnosis of Pneumocystis carinii pneumonia in foals and pigs
Carnivora	Ailurus fulgens	Poelma 1975	Pneumocystis carinii infections in zoo animals
Carnivora	Canis lupus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Canis lupus familiaris	Cabanes et al. 2000	Pneumocystis carinii pneumonia in a Yorkshire terrier dog
Carnivora	Canis lupus familiaris	English et al. 2001	DNA analysis of Pneumocystis infecting a Cavalier King Charles spaniel
Carnivora	Canis lupus familiaris	Fox 2012	A case of suspected Pneumocystis carinii pneumonia in a Cavalier King Charles spaniel
Carnivora	Canis lupus familiaris	Furuta et al. 1994	Spontaneous Pneumocystis carinii infection in the dog with naturally acquired generalised demodicosis
Carnivora	Canis lupus familiaris	Giannouloupoulos and Lobetti 2020	Pneumocystosis in a lurcher puppy
Carnivora	Canis lupus familiaris	Hagiwara et al. 2001	Pneumocystis carinii pneumonia in a Cavalier King Charles spaniel
Carnivora	Canis lupus familiaris	Kanemoto et al. 2015	Common variable immune deficiency in a Pomeranian with Pneumocystis carinii pneumonia
Carnivora	Canis lupus familiaris	McCully et al. 1979	Canine Pneumocystis pneumonia
Carnivora	Canis lupus familiaris	Okine et al. 2018	Diagnosis of Pneumocystis pneumonia in a 2-year-old King Charles Cavalier Spaniel using the polymerase chain reaction
Carnivora	Canis lupus familiaris	Sakashita et al. 2020	Disseminated pneumocystosis in a toy poodle
Carnivora	Canis lupus familiaris	Sedlmaier and Dahme 1955	Pneumocystis carinii infection in a dog
Carnivora	Canis lupus familiaris	Van den Akker and Goedbloed 1960	Pneumonia caused by Pneumocystis carinii in a dog
Carnivora	Canis lupus familiaris	Best et al. 2019	Confirmed case of Pneumocystis pneumonia in a Maltese Terrier × Papillon dog being treated with toceranib phosphate
Carnivora	Canis lupus familiaris	Merrill et al. 2021	X-linked CD40 ligand deficiency in a 1-year-old male Shih Tzu with secondary Pneumocystis pneumonia
Carnivora	Canis lupus familiaris	Botha and van Rensburg 1979	Pneumocystosis: a chronic respiratory distress syndrome in dog
Carnivora	Canis lupus familiaris	Meffert 2009	Pneumocystis pneumonia in two Cavalier King Charles spaniel littermates
Carnivora	Canis lupus familiaris	Ramsey et al. 1997	Pneumocystis carinii pneumonia in two Cavalier King Charles spaniels
Carnivora	Canis lupus familiaris	Copland 1974	Canine pneumonia caused by Pneumocystis carinii

Carnivora	Canis lupus familiaris	Farrow et al. 1972	Pneumocystis pneumonia in the dog
Carnivora	Canis lupus familiaris	Lobetti 2000	Common variable immunodeficiency in miniature dachshunds affected with pneumocystis carinii pneumonia
Carnivora	Canis lupus familiaris	Weissenbacher-Lang et al. 2017	Pneumocystis carinii infection with severe pneumomediastinum and lymph node involvement in a Whippet mixed-breed dog
Carnivora	Canis lupus familiaris	Johnson et al. 2023	Oculosystemic pneumocystosis in 2 sibling Chihuahuas
Carnivora	Canis lupus familiaris	Cisse et al. 2021	Genomic insights into the host specific adaptation the Pneumocystis genus
Carnivora	Canis lupus familiaris	Petini et al. 2019	Nested-polymerase chain reaction detection of Pneumocystis carinii f. sp. canis in a suspected immunocompromised Cavalier King Charles spaniel with multiple infections
Carnivora	Canis lupus lycaon	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Vulpes vulpes	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Vulpes vulpes	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	Vulpes vulpes	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Carnivora	Vulpes zerda	Poelma 1975	Pneumocystis carinii infections in zoo animals
Carnivora	Felis catus	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	Felis silvestris	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Lynx lynx	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Panthera leo	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Panthera pardus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Panthera tigris	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species

Carnivora	<i>Puma concolor</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Puma concolor</i>	Meer and Brug 1942	Infection a <i>Pneumocystis</i> chez l'homme et chez les animaux
Carnivora	<i>Aonyx cinereus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Lontra canadensis</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Lutra lutra</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Martes foina</i>	Settnes et al. 1986	<i>Pneumocystis carinii</i> Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	<i>Martes foina</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Martes</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Meles meles</i>	Settnes et al. 1986	<i>Pneumocystis carinii</i> Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	<i>Meles meles</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Mephitis mephitis</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Mustela lutreola</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Mustela putorius furo</i>	Dias et al. 2017	Extreme tetralogy of fallot with polycythemia in a ferret (<i>Mustela putorius furo</i>)
Carnivora	<i>Mustela putorius furo</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Neogale vison</i>	Dyer and Schamber 1999	<i>Pneumocystosis</i> associated with canine distemper virus infection in a mink
Carnivora	<i>Nasua narica</i>	Lainson and Shaw 1975	<i>Pneumocystis</i> and <i>Histoplasma</i> infection in wild animals from the Amazon region of Brazil

Carnivora	<i>Procyon lotor</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Eumops glaucinus</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Eumops glaucinus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus currentium</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Molossus currentium</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus rufus</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Molossus rufus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Nyctinomops macrotis</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Nyctinomops macrotis</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Promops nasutus</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Promops nasutus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Mormoops megalophylla</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Mormoops megalophylla</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Pteronotus davyi</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Pteronotus davyi</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Pteronotus parnellii</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Pteronotus parnellii</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico

Chiroptera	Natalus stramineus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Natalus stramineus	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	Cynopterus spp.	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	Pteropus giganteus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	Pteropus spp.	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	Artibeus fimbriatus	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Artibeus fimbriatus	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	Artibeus fimbriatus	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Artibeus hirsutus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Artibeus hirsutus	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	Artibeus lituratus	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Artibeus lituratus	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Artibeus spp.	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Artibeus spp.	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Carollia perspicillata	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Carollia perspicillata	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR

Chiroptera	<i>Carollia perspicillata</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Carollia perspicillata</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Diaemus youngii</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Diaemus youngii</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Diphylla ecaudata</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Diphylla ecaudata</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Glossophaga soricina</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Glossophaga soricina</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Rhinophylla pumilio</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Sturnira lilium</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Sturnira lilium</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Sturnira lilium</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Rhinolophus hipposideros</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Aeorestes cinereus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Eptesicus furinalis</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Eptesicus furinalis</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Eptesicus serotinus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations

Chiroptera	<i>Eptesicus serotinus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Hypsugo savii</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Lasiurus blossevillii</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Lasiurus blossevillii</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Myotis californicus</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Myotis californicus</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Myotis daubentoni</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Myotis levis</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Myotis levis</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Myotis levis</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Myotis myotis</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Myotis mystacinus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Myotis nigricans</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Myotis nigricans</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Nyctalus leisleri</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations

Chiroptera	Nyctalus noctula	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	Pipistrellus pipistrellus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Pipistrellus pipistrellus	Derouiche et al. 2009	Pneumocystis diversity as a phyleographic tool
Chiroptera	Plecotus auritus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Plecotus austriacus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Vespertilio murinus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	Vespertilio spp.	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Diprotodontia	Osphranter rufus	Poelma 1975	Pneumocystis carinii infections in zoo animals
Eulipotyphla	Atelerix albiventris	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Erinaceus europaeus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy
Eulipotyphla	Erinaceus roumanicus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Crocidura leucodon	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Crocidura suaveolens	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora: Soricidae)
Eulipotyphla	Crocidura suaveolens	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Neomys fodiens	Kučera et al. 1971	Pneumocystosis
Eulipotyphla	Sorex araneus	Mazars et al. 1997	Detection of Pneumocystis in European wild animals
Eulipotyphla	Sorex araneus	Kučera et al. 1971	Pneumocystosis

Eulipotyphla	Sorex araneus	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Eulipotyphla	Sorex isodon	Laakkonen 1998	<i>Pneumocystis carinii</i> in wildlife
Eulipotyphla	Sorex minutissimus	Laakkonen 1998	<i>Pneumocystis carinii</i> in wildlife
Eulipotyphla	Sorex minutus	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Sorex minutus	Kučera et al. 1971	Pneumocystosis
Eulipotyphla	Sorex minutus	Laakkonen 1998	<i>Pneumocystis carinii</i> in wildlife
Eulipotyphla	Sorex minutus	Kučera et al. 1971	Pneumocystosis
Eulipotyphla	Sorex minutus	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Eulipotyphla	Sorex spp.	Peters et al. 1994	DNA analysis of <i>Pneumocystis carinii</i> infecting Finnish and English shrews
Eulipotyphla	Sorex spp.	Peters et al. 1994	DNA analysis of <i>Pneumocystis carinii</i> infecting Finnish and English shrews
Eulipotyphla	Talpa europaea	Mazars et al. 1997	Detection of <i>Pneumocystis</i> in European wild animals
Eulipotyphla	Talpa europaea	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Tupaia glis	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Eulipotyphla	Tupaia glis	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Hyracoidea	Dendrohyrax arboreus	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Hyracoidea	Procavia capensis	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Lagomorpha	Lepus europaeus	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Lagomorpha	Oryctolagus cuniculus	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Perissodactyla	Equus asinus	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Perissodactyla	Equus caballus	Clark-Price et al. 2004	Use of dapsone in the treatment of <i>Pneumocystis carinii</i> pneumonia in a foal
Perissodactyla	Equus caballus	Franklin et al. 2002	Proliferative interstitial pneumonia, <i>Pneumocystis carinii</i> infection, and immunodeficiency in an adult Paso Fino horse

Perissodactyla	Equus caballus	Perron Lepage et al. 1999	A case of interstitial pneumonia associated with <i>Pneumocystis carinii</i> in a foal
Perissodactyla	Equus caballus	Tanaka et al. 1994	<i>Pneumocystis carinii</i> pneumonia in a thoroughbred foal
Perissodactyla	Equus caballus	Shively et al. 1974	Fine structure of spontaneous <i>Pneumocystis carinii</i> pulmonary infection in foals
Perissodactyla	Equus caballus	Shively et al. 1973	<i>Pneumocystis carinii</i> pneumonia in two foals
Perissodactyla	Equus caballus	Ewing et al. 1994	<i>Pneumocystis carinii</i> pneumonia in foals
Perissodactyla	Equus caballus	Jensen et al. 2001	Application of fluorescent in situ hybridization for specific diagnosis of <i>Pneumocystis carinii</i> pneumonia in foals and pigs
Perissodactyla	Equus caballus	Punsmann et al. 2022	Acute interstitial pneumonia in foals: a severe, multifactorial syndrome with lung tissue recovery in surviving foals
Perissodactyla	Equus caballus	Peters et al. 1994	<i>Pneumocystis carinii</i> pneumonia in thoroughbred foals: identification of a genetically distinct organism by DNA amplification
Perissodactyla	Equus quagga	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Pilosa	Bradypus tridactylus	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Pilosa	Bradypus tridactylus	Lainson and Shaw 1975	<i>Pneumocystis</i> and <i>Histoplasma</i> infections in wild animals from the Amazon region of Brazil
Pilosa	Bradypus variegatus	Yonushonis et al. 1986	Infection of a three-toed sloth (<i>Bradypus variegatus</i>) by a <i>Pneumocystis</i> -like organism in Panama
Pilosa	Choloepus didactylus	Lainson and Shaw 1975	<i>Pneumocystis</i> and <i>Histoplasma</i> infections in wild animals from the Amazon region of Brazil
Primates	Aotus trivirgatus	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	Alouatta fusca	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Primates	Ateles belzebuth	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Primates	Lagothrix lagothricha	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Primates	Callimico goeldii	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	Callithrix aurita	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals

Primates	<i>Callithrix geoffroyi</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Leontocebus fuscicollis</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Leontopithecus rosalia</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Saguinus fuscicollis</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Saguinus imperator</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Saguinus midas</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Saguinus oedipus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Saguinus oedipus</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Cebus capucinus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Saimiri sciureus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Saimiri sciureus</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Allenopithecus nigroviridis</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Cercopithecus hamlyni</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Cercopithecus nictitans</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Cercopithecus/Miopithecus</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Colobus guereza</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species

Primates	<i>Colobus polykomos</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Macaca fascicularis</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Macaca mulatta</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Macaca mulatta</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Macaca nemestrina</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Macaca sylvanus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Theropithecus gelada</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Galago demidoff</i>	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Primates	<i>Galago senegalensis</i>	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Primates	<i>Pan troglodytes</i>	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Primates	<i>Pongo</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Eulemur macaco</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Hapalemur griseus</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Pithecia pithecia</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Pithecia pithecia</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Rodentia	<i>Heliophobius argenteocinereus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Castor fiber</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Cavia porcellus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan

Rodentia	<i>Cavia porcellus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Kerodon rupestris</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Chinchilla lanigera</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Arvicola terrestris</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Cricetus cricetus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Hylaeamys megacephalus</i>	Lainson and Shaw 1975	<i>Pneumocystis</i> and <i>Histoplasma</i> infections in wild animals from the Amazon region of Brazil#
Rodentia	<i>Mesocricetus auratus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Microtus agrestis</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Microtus agrestis</i>	Mazars et al. 1997	Detection of <i>Pneumocystis</i> in European wild animals
Rodentia	<i>Microtus arvalis</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Microtus multiplex</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Microtus subterraneus</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Myodes glareolus</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Myodes glareolus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Myodes rufocanus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Peromyscus boylii</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Peromyscus maniculatus</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Phodopus sungorus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Eliomys quercinus</i>	Mazars et al. 1997	Detection of <i>Pneumocystis</i> in European wild animals

Rodentia	<i>Graphiurus</i> spp.	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Muscardinus avellanarius</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Insectivora: Soricidae)
Rodentia	<i>Chaetodipus californicus</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Acomys ignitus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys muzei</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys ngurui</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys hindei</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys kaiseri</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Apodemus flavicollis</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Apodemus sylvaticus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Apomys banahao</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Berylmys bowersi</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Berylmys bowersi</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Grammomys surdaster</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Hylomyscus arcimontensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lemniscomys rosalia</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lemniscomys striatus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts

Rodentia	<i>Leopoldamys herberti</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Leopoldamys neilli</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Leopoldamys sabanus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Lophuromys kilonzo</i>	Petružel et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lophuromys makundii</i>	Petružel et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Meriones unguiculatus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Micromys minutus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Micromys minutus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Mus musculus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Mus musculus</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Mus musculus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Mus musculus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Mus pahari</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Mus saxicola</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Myomyscus brockmani</i>	Petružel et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Niviventer fulvescens</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Otomys angoniensis</i>	Petružel et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Praomys delectorum</i>	Petružel et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts

Rodentia	<i>Rattus andamanensis</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus andamanensis</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus everetti</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus norvegicus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rattus norvegicus</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Rattus norvegicus</i>	Yoshida and Ikai 1979	<i>Pneumocystis carinii</i> pneumonia: epidemiology in Japan and cyst concentration method
Rodentia	<i>Rattus rattus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Rattus rattus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Rattus</i> spp.	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rhabdomys dilectus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Sundamys muelleri</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Myocastor coypus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Saccostomus umbriventer</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Steatomys</i> ssp.	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Octodon degus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Funambulus palmarum</i>	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Rodentia	<i>Sciurus vulgaris</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Tamias</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species

Rodentia	<i>Tamias swinhoei</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Cannomys badius</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Cannomys badius</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rhizomys pruinosus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Tachyoryctes splendens</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts

No exact samples size indicated (n = 7)

Afrosoricida	<i>Microgale</i> spp.	Laakkonen 1998	<i>Pneumocystis carinii</i> in wildlife
Carnivora	<i>Galictis vittata</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Chiroptera	<i>Glossophaga soricina</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Didelphimorphia	<i>Marmosa murina</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Rodentia	<i>Agouti paca</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Rodentia	<i>Proechimys guyannensis</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Rodentia	<i>Sciurus aestuans</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts

No number of positive samples indicated (n = 1)

Artiodactyla	<i>Sus scrofa domesticus</i>	Sanches et al. 2011	Phylogenetic analysis of <i>Pneumocystis</i> from pig lungs obtained from slaughterhouses in southern and midwestern regions of Brazil
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Selected pre-defined samples (n = 1)

Artiodactyla	Sus scrofa domesticus	Weissenbacher-Lang et al. 2016	Establishment of a quantitative real-time PCR for the detection of <i>Pneumocystis carinii</i> f. sp. suis in bronchoalveolar lavage samples from pigs
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Studies on exclusively positive samples (n = 1)

Artiodactyla	Sus scrofa domesticus	Weissenbacher-Lang et al. 2016	Retrospective Analysis of Bacterial and Viral Co-Infections in <i>Pneumocystis</i> spp. Positive Lung Samples of Austrian Pigs with Pneumonia
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Same samples used as in previous study (n = 1)

Artiodactyla	Sus scrofa domesticus	Sanches et al. 2007	Detection of <i>Pneumocystis</i> spp. in lung samples from pigs in Brazil
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Species not exactly defined (n = 5)

Rodentia	<i>Peromyscus</i> spp.	Salazar-Hamm et al. 2022	Breathing can be dangerous: Opportunistic fungal pathogens and the diverse community of the small mammal lung microbiome
Rodentia	<i>Dipodomys</i> spp.	Salazar-Hamm et al. 2022	Breathing can be dangerous: Opportunistic fungal pathogens and the diverse community of the small mammal lung microbiome
Rodentia	<i>Apodemus</i> spp.	Kučera et al. 1971	Pneumocystosis
Rodentia	<i>Rattus rattus</i> / <i>Rattus norvegicus</i>	Rothenburger et al. 2015	Respiratory Pathology and Pathogens in Wild Urban Rats (<i>Rattus norvegicus</i> and <i>Rattus rattus</i>)
Rodentia	<i>Rattus</i> spp.	Meer and Brug 1942	Infection a <i>Pneumocystis</i> chez l'homme et chez les animaux

Serological studies (n = 11)

Artiodactyla	<i>Bos taurus</i>	Kučera et al. 1971	Pneumocystosis
Artiodactyla	<i>Sus scrofa domesticus</i>	Kučera et al. 1971	Pneumocystosis

Artiodactyla	<i>Sus scrofa domesticus</i>	Weissenbacher-Lang et al. 2017	Comparison of <i>Pneumocystis</i> nucleic acid and antibody profiles and their associations with other respiratory pathogens in two Austrian pig herds
Primates	<i>Macaca fascicularis</i>	Demanche et al. 2005	Molecular and serological evidence of <i>Pneumocystis</i> circulation in a social organization of healthy macaques (<i>Macaca fascicularis</i>)
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Microtus arvalis</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Microtus subterraneus</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Apodemus flavicollis</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Apodemus sylvaticus</i>	Kučera et al. 1971	<i>Pneumocystosis</i>
Rodentia	<i>Rattus rattus/Rattus norvegicus</i>	Boey et al. 2019	Seroprevalence of Rodent Pathogens in Wild Rats from the Island of St. Kitts, West Indies

Method not defined (n = 1)

Carnivora	<i>Canis lupus familiaris</i>	Brownlie 1990	A retrospective study of diagnosis in 109 cases of canine lower respiratory disease
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2. Prevalence in wild animals.

Sample sizes ≤ 10 samples (n = 180)

Artiodactyla	<i>Hippotragus niger</i>	Wilson et al. 1974	Observations on mortality rates and disease in roan and sable antelope on nature reserves in the Transvaal
Artiodactyla	<i>Rupicapra rupicapra</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	<i>Capreolus capreolus</i>	Settnes et al. 1986	<i>Pneumocystis carinii</i> Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy

Artiodactyla	Capreolus capreolus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus elaphus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus spp.	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Artiodactyla	Elaphurus davidianus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Rangifer tarandus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Rangifer tarandus groenlandicus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy
Artiodactyla	Sus scrofa	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	Vulpes vulpes	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Vulpes vulpes	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	Vulpes vulpes	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Carnivora	Martes foina	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy
Carnivora	Martes foina	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Martes spp.	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Meles meles	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy
Carnivora	Meles meles	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Nasua narica	Lainson and Shaw 1975	Pneumocystis and Histoplasma infection in wild animals from the Amazon region of Brazil
Chiroptera	Eumops glaucinus	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR

Chiroptera	<i>Eumops glaucinus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus currentium</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Molossus currentium</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus rufus</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Molossus rufus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Nyctinomops macrotis</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Nyctinomops macrotis</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Promops nasutus</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Promops nasutus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Mormoops megalophylla</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Mormoops megalophylla</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Pteronotus davyi</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Pteronotus davyi</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Pteronotus parnellii</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Pteronotus parnellii</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Natalus stramineus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations

Chiroptera	Natalus stramineus	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	Artibeus fimbriatus	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Artibeus fimbriatus	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	Artibeus fimbriatus	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Artibeus hirsutus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Artibeus hirsutus	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	Artibeus lituratus	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Artibeus lituratus	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Artibeus spp.	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Artibeus spp.	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Carollia perspicillata	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Carollia perspicillata	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Carollia perspicillata	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	Carollia perspicillata	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Diaemus youngii	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Diaemus youngii	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Diphylla ecaudata	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification

Chiroptera	<i>Diphylla ecaudata</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Glossophaga soricina</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Glossophaga soricina</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Rhinophylla pumilio</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Sturnira lilium</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Sturnira lilium</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Sturnira lilium</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Rhinolophus hipposideros</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Aeorestes cinereus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Eptesicus furinalis</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Eptesicus furinalis</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Eptesicus serotinus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Eptesicus serotinus</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Hypsugo savii</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Lasiurus blossevillii</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Lasiurus blossevillii</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Myotis californicus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations

Chiroptera	Myotis californicus	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	Myotis daubentoni	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Myotis levis	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Myotis levis	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	Myotis levis	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Myotis myotis	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Myotis mystacinus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	Myotis nigricans	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Myotis nigricans	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Nyctalus leisleri	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Nyctalus noctula	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	Pipistrellus pipistrellus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Pipistrellus pipistrellus	Derouiche et al. 2009	Pneumocystis diversity as a phyleographic tool
Chiroptera	Plecotus auritus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations

Chiroptera	Plecotus austriacus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Vespertilio murinus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	Vespertilio spp.	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Atelerix albiventris	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Erinaceus europaeus	Settnes et al. 1986	Pneumocystis carinii Delanoë & Delanoë, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Eulipotyphla	Erinaceus roumanicus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Crocidura leucodon	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Crocidura suaveolens	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Insectivora: Soricidae)
Eulipotyphla	Crocidura suaveolens	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Neomys fodiens	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex araneus	Mazars et al. 1997	Detection of Pneumocystis in European wild animals
Eulipotyphla	Sorex araneus	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex araneus	Settnes and Lodal 1980	Prevalence of Pneumocystis carinii Delanoë & Delanoë, 1912 in rodents in Denmark
Eulipotyphla	Sorex isodon	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex minutissimus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex minutus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Sorex minutus	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex minutus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex minutus	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex minutus	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Insectivora: Soricidae)

Eulipotyphla	Sorex spp.	Peters et al. 1994	DNA analysis of <i>Pneumocystis carinii</i> infecting Finnish and English shrews
Eulipotyphla	Sorex spp.	Peters et al. 1994	DNA analysis of <i>Pneumocystis carinii</i> infecting Finnish and English shrews
Eulipotyphla	<i>Talpa europaea</i>	Mazars et al. 1997	Detection of <i>Pneumocystis</i> in European wild animals
Eulipotyphla	<i>Talpa europaea</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Pilosa	<i>Bradypus tridactylus</i>	Lainson and Shaw 1975	<i>Pneumocystis</i> and <i>Histoplasma</i> infections in wild animals from the Amazon region of Brazil
Pilosa	<i>Bradypus variegatus</i>	Yonushonis et al. 1986	Infection of a three-toed sloth (<i>Bradypus variegatus</i>) by a <i>Pneumocystis</i> -like organism in Panama
Pilosa	<i>Choloepus didactylus</i>	Lainson and Shaw 1975	<i>Pneumocystis</i> and <i>Histoplasma</i> infections in wild animals from the Amazon region of Brazil
Primates	<i>Pithecia pithecia</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Rodentia	<i>Heliophobius argenteocinereus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Castor fiber</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Arvicola terrestris</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Cricetus cricetus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Hylaeamys megacephalus</i>	Lainson and Shaw 1975	<i>Pneumocystis</i> and <i>Histoplasma</i> infections in wild animals from the Amazon region of Brazil#
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	<i>Pneumocystose</i>
Rodentia	<i>Microtus agrestis</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Microtus agrestis</i>	Mazars et al. 1997	Detection of <i>Pneumocystis</i> in European wild animals
Rodentia	<i>Microtus arvalis</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (<i>Incestivora</i> : <i>Soricidae</i>)
Rodentia	<i>Microtus multiplex</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Microtus subterraneus</i>	Kučera et al. 1971	<i>Pneumocystose</i>

Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Myodes glareolus</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Myodes glareolus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Myodes rufocanus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Peromyscus boylii</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Peromyscus maniculatus</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Eliomys quercinus</i>	Mazars et al. 1997	Detection of <i>Pneumocystis</i> in European wild animals
Rodentia	<i>Graphiurus</i> spp.	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Muscardinus avellanarius</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Insectivora: Soricidae)
Rodentia	<i>Chaetodipus californicus</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Acomys ignitus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys muzei</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys ngurui</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys hindei</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys kaiseri</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Apodemus flavicollis</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Apodemus sylvaticus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Apomys banahao</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Berylmys bowersi</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Berylmys bowersi</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents

Rodentia	<i>Grammomys surdaster</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Hylomyscus arcimontensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lemniscomys rosalia</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lemniscomys striatus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Leopoldamys herberti</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Leopoldamys neilli</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Leopoldamys sabanus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Lophuromys kilonzoi</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lophuromys makundii</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Micromys minutus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Micromys minutus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Mus musculus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Mus musculus</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Insectivora: Soricidae)
Rodentia	<i>Mus musculus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Mus pahari</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Myomyscus brockmani</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Niviventer fulvescens</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Otomys angoniensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts

Rodentia	<i>Praomys delectorum</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Rattus andamanensis</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus andamanensis</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus everetti</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus norvegicus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rattus norvegicus</i>	Kučera et al. 1971	<i>Pneumocystose</i>
Rodentia	<i>Rattus norvegicus</i>	Yoshida and Ikai 1979	<i>Pneumocystis carinii</i> pneumonia: epidemiology in Japan and cyst concentration method
Rodentia	<i>Rattus rattus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Rattus</i> spp.	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rhabdomys dilectus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Sundamys muelleri</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Myocastor coypus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Saccostomus umbriventer</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Steatomys</i> ssp.	Petruzela et al. 2044	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Sciurus vulgaris</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Cannomys badius</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Cannomys badius</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents

Rodentia	Rhizomys pruinosus	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Tachyoryctes splendens	Petruželka et al. 2019	Evolutionary history of Pneumocystis fungi in their African rodent hosts

No exact sample size indicated (n = 7)

Afrosoricida	Microgale spp.	Laakkonen 1998	Pneumocystis carinii in wildlife
Carnivora	Galictis vittata	Guillot et al. 2001	Parallel phylogenies of Pneumocystis species and their mammalian hosts
Chiroptera	Glossophaga soricina	Guillot et al. 2001	Parallel phylogenies of Pneumocystis species and their mammalian hosts
Didelphimorphia	Marmosa murina	Guillot et al. 2001	Parallel phylogenies of Pneumocystis species and their mammalian hosts
Rodentia	Agouti paca	Guillot et al. 2001	Parallel phylogenies of Pneumocystis species and their mammalian hosts
Rodentia	Proechimys guyannensis	Guillot et al. 2001	Parallel phylogenies of Pneumocystis species and their mammalian hosts
Rodentia	Sciurus aestuans	Guillot et al. 2001	Parallel phylogenies of Pneumocystis species and their mammalian hosts

Species not exactly defined (n = 5)

Rodentia	Peromyscus spp.	Salazar-Hamm et al. 2022	Breathing can be dangerous: Opportunistic fungal pathogens and the diverse community of the small mammal lung microbiome
Rodentia	Dipodomys spp.	Salazar-Hamm et al. 2022	Breathing can be dangerous: Opportunistic fungal pathogens and the diverse community of the small mammal lung microbiome
Rodentia	Apodemus spp.	Kučera et al. 1971	Pneumocystosis
Rodentia	Rattus rattus/Rattus norvegicus	Rothenburger et al. 2015	Respiratory Pathology and Pathogens in Wild Urban Rats (Rattus norvegicus and Rattus rattus)
Rodentia	Rattus spp.	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux

Serological studies (n = 7)

Rodentia	Microtus agrestis	Kučera et al. 1971	Pneumocystosis
Rodentia	Microtus arvalis	Kučera et al. 1971	Pneumocystosis
Rodentia	Microtus subterraneus	Kučera et al. 1971	Pneumocystosis
Rodentia	Myodes glareolus	Kučera et al. 1971	Pneumocystosis
Rodentia	Apodemus flavicollis	Kučera et al. 1971	Pneumocystosis
Rodentia	Apodemus sylvaticus	Kučera et al. 1971	Pneumocystosis
Rodentia	Rattus rattus/Rattus norvegicus	Boey et al. 2019	Seroprevalence of Rodent Pathogens in Wild Rats from the Island of St. Kitts, West Indies

3. Level of infection.

Only negative results (n = 148)

Artiodactyla	Antilope spp.	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Bos bonasus	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Bos taurus	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Artiodactyla	Capra hircus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	Capra hircus	Settnes and Henriksen 1989	Pneumocystis carinii in large domestic animals in Denmark
Artiodactyla	Capra hircus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	Capra hircus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	Ovis aries	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Camelus dromedarius	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Lama glama	Underwood et al. 1992	Apparent retrovirus-induced immunosuppression in a yearling llama
Artiodactyla	Lama glama	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species

Artiodactyla	Cervus alfredi	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus elaphus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus nippon	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Cervus spp.	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Artiodactyla	Dama dama	Settnes and Henriksen 1989	Pneumocystis carinii in large domestic animals in Denmark
Artiodactyla	Elaphurus davidianus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Muntiacus muntjak	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Rangifer tarandus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	Rangifer tarandus groenlandicus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Artiodactyla	Rusa unicolor	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Artiodactyla	Sus scrofa	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Artiodactyla	Sus scrofa domesticus	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Artiodactyla	Sus scrofa domesticus	Davalos 1963	Latent infection produced by Pneumocystis carinii in domestic animals in Mexico
Carnivora	Canis lupus familiaris	Wöhrer et al. 2016	Age-related presence of selected viral and bacterial pathogens in paraffin-embedded lung samples of dogs with pneumonia
Carnivora	Vulpes vulpes	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Vulpes vulpes	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	Vulpes vulpes	Danesi et al. 2016	Barcoding markers for Pneumocystis species in wildlife
Carnivora	Vulpes vulpes	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux

Carnivora	Felis catus	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	Felis catus	Hagler et al. 1987	Feline leukemia virus and Pneumocystis carinii infection
Carnivora	Felis silvestris	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Lynx lynx	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Panthera leo	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Panthera pardus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Panthera tigris	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Puma concolor	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Puma concolor	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Carnivora	Martes foina	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	Martes spp.	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	Meles meles	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	Meles meles	Danesi et al. 2016	Barcoding markers for Pneumocystis species in wildlife
Carnivora	Mustela sibirica	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Chiroptera	Eumops glaucinus	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	Mormoops megalophylla	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Mormoops megalophylla	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico

Chiroptera	<i>Pteronotus davyi</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Pteronotus davyi</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Pteronotus parnellii</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Cynopterus</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Pteropus giganteus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Pteropus</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Artibeus fimbriatus</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Artibeus hirsutus</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Artibeus hirsutus</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Artibeus lituratus</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Artibeus lituratus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Artibeus</i> spp.	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Carollia perspicillata</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Carollia perspicillata</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Carollia perspicillata</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Diaemus youngii</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR

Chiroptera	<i>Diaemus youngii</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Diphylla ecaudata</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Sturnira lilium</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Sturnira lilium</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Rhinolophus hipposideros</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Eptesicus serotinus</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Hypsugo savii</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Myotis daubentoni</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Myotis levis</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Myotis myotis</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Myotis mystacinus</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Nyctalus leisleri</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Nyctalus noctula</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Vespertilio</i> spp.	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	<i>Atelerix albiventris</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species

Eulipotyphla	Erinaceus europaeus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy
Eulipotyphla	Erinaceus europaeus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Erinaceus roumanicus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Blarina brevicauda	Laakkonen et al. 1997	Lung parasites of shrews from Pennsylvania
Eulipotyphla	Crocidura leucodon	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Crocidura suaveolens	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora: Soricidae)
Eulipotyphla	Crocidura suaveolens	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Sorex araneus	Settnes and Lodal 1980	Prevalence of Pneumocystis carinii Delanoë & Delanoë, 1912 in rodents in Denmark
Eulipotyphla	Sorex cinereus	Laakkonen et al. 1997	Lung parasites of shrews from Pennsylvania
Eulipotyphla	Sorex fumeus	Laakkonen et al. 1997	Lung parasites of shrews from Pennsylvania
Eulipotyphla	Sorex minutus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Sorex minutus	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora: Soricidae)
Eulipotyphla	Sorex minutus	Laakkonen 1995	High prevalence of Pneumocystis carinii in Sorex araneus in Finland
Eulipotyphla	Talpa europaea	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	Tupaia glis	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Perissodactyla	Equus asinus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Perissodactyla	Equus quagga	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	Aotus trivirgatus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	Callithrix jacchus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species

Primates	<i>Leontocebus fuscicollis</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Leontopithecus rosalia</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Saguinus oedipus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Cebus capucinus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Saimiri sciureus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Cercopithecus/Miopithecus</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Colobus guereza</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Colobus polykomos</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Macaca mulatta</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Macaca sylvanus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Theropithecus gelada</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Pongo</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Primates	<i>Eulemur macaco</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Pithecia pithecia</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Castor fiber</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Cavia porcellus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan

Rodentia	<i>Kerodon rupestris</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Arvicola terrestris</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Mesocricetus auratus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Microtus agrestis</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Microtus agrestis</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Microtus arvalis</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Microtus multiplex</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Microtus subterraneus</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Myodes glareolus</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Myodes glareolus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Myodes rufocanus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Myodes smithi</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Peromyscus boylii</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Peromyscus californicus</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Peromyscus maniculatus</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Phodopus sungorus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Reithrodontomys megalotis</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Muscardinus avellanarius</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Apodemus agrarius</i>	Laakkonen et al. 2006	Is there an association of <i>Pneumocystis</i> infection with the presence of arena-, hanta-, and poxvirus antibodies in wild mice and shrews in Finland?
Rodentia	<i>Apodemus flavicollis</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Apodemus flavicollis</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Apodemus sylvaticus</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)

Rodentia	<i>Meriones unguiculatus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Micromys minutus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Micromys minutus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Mus musculus</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Mus musculus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Mus saxicola</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Rattus everetti</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus rattus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Rattus</i> spp.	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Myocastor coypus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Octodon degus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Sciurus vulgaris</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Tamias</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Tamias swinhoei</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species

Level of infection not indicated (n = 249)

Afrosoricida	<i>Microgale</i> spp.	Laakkonen 1998	<i>Pneumocystis carinii</i> in wildlife
Artiodactyla	<i>Bos taurus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Artiodactyla	<i>Bos taurus</i>	Kučera et al. 1971	Pneumocystose
Artiodactyla	<i>Bos taurus</i>	Settnes and Henriksen 1989	<i>Pneumocystis carinii</i> in large domestic animals in Denmark

Artiodactyla	Ovis aries	Settnes and Henriksen 1989	Pneumocystis carinii in large domestic animals in Denmark
Artiodactyla	Capreolus capreolus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Artiodactyla	Sus scrofa domesticus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	Sus scrofa domesticus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	Sus scrofa domesticus	Settnes and Henriksen 1989	Pneumocystis carinii in large domestic animals in Denmark
Artiodactyla	Sus scrofa domesticus	Kučera et al. 1971	Pneumocystose
Artiodactyla	Sus scrofa domesticus	Huang et al. 2022	A total infectome approach to understand the etiology of infectious disease in pigs
Artiodactyla	Sus scrofa domesticus	Esgalhado et al. 2013	Study of the epidemiology of Pneumocystis carinii f. sp. suis in abattoir swine in Portugal
Artiodactyla	Sus scrofa domesticus	Sanches et al. 2006	Co-Infection of Pneumocystis carinii f. sp. suis and Porcine Circovirus-2 (PCV2) in Pig Lungs Obtained from Slaughterhouses in Southern and Midwestern Regions of Brazil
Artiodactyla	Sus scrofa domesticus	Weissenbacher-Lang et al. 2023 2017	Comparison of Pneumocystis nucleic acid and antibody profiles and their associations with other respiratory pathogens in two Austrian pig herds
Artiodactyla	Sus scrofa domesticus	Sanches et al. 2007	Detection of Pneumocystis spp. in lung samples from pigs in Brazil
Artiodactyla	Sus scrofa domesticus	Sanches et al. 2011	Phylogenetic analysis of Pneumocystis from pig lungs obtained from slaughterhouses in southern and midwestern regions of Brazil
Carnivora	Ailurus fulgens	Poelma 1975	Pneumocystis carinii infections in zoo animals
Carnivora	Canis aureus	Kureljušić et al. 2022	First Molecular Detection of Pneumocystis spp. in the Golden Jackal (Canis aureus)
Carnivora	Canis lupus familiaris	English et al. 2001	DNA analysis of Pneumocystis infecting a Cavalier King Charles spaniel
Carnivora	Canis lupus familiaris	Merrill et al. 2021	X-linked CD40 ligand deficiency in a 1-year-old male Shih Tzu with secondary Pneumocystis pneumonia
Carnivora	Canis lupus familiaris	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	Canis lupus familiaris	Sukura et al. 1997	Occurrence of Pneumocystis carinii in canine distemper
Carnivora	Canis lupus familiaris	Brownlie 1990	A retrospective study of diagnosis in 109 cases of canine lower respiratory disease

Carnivora	<i>Canis lupus familiaris</i>	Davalos 1963	Latent infection produced by <i>Pneumocystis carinii</i> in domestic animals in Mexico
Carnivora	<i>Canis lupus familiaris</i>	Zavala and Rosado 1972	<i>Pneumocystis carinii</i> in domestic animals of the city of Mérida, Yucatán
Carnivora	<i>Canis lupus familiaris</i>	Cisse et al. 2021	Genomic insights into the host specific adaptation the <i>Pneumocystis</i> genus
Carnivora	<i>Canis lupus familiaris</i>	Petini et al. 2019	Nested–polymerase chain reaction detection of <i>Pneumocystis carinii</i> f. sp. <i>canisin</i> a suspected immunocompromised Cavalier King Charles spaniel with multiple infections
Carnivora	<i>Nyctereutes procyonoides</i>	Riebold et al. 2020	First molecular detection of <i>Pneumocystis</i> spp. in red foxes (<i>Vulpes vulpes</i> LINNAEUS, 1758) and raccoon dogs (<i>Nyctereutes procyonoides</i> GRAY, 1834)
Carnivora	<i>Vulpes vulpes</i>	Settnes et al. 1986	<i>Pneumocystis carinii</i> Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	<i>Vulpes vulpes</i>	Riebold et al. 2020	First molecular detection of <i>Pneumocystis</i> spp. in red foxes (<i>Vulpes vulpes</i> LINNAEUS, 1758) and raccoon dogs (<i>Nyctereutes procyonoides</i> GRAY, 1834)
Carnivora	<i>Vulpes zerda</i>	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Carnivora	<i>Felis catus</i>	Zavala and Rosado 1972	<i>Pneumocystis carinii</i> in domestic animals of the city of Mérida, Yucatán
Carnivora	<i>Felis catus</i>	Danesi et al. 2019	Molecular detection of <i>Pneumocystis</i> in the lungs of cats
Carnivora	<i>Felis catus</i>	Davalos 1963	Latent infection produced by <i>Pneumocystis carinii</i> in domestic animals in Mexico
Carnivora	<i>Galictis vittata</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Chiroptera	<i>Eumops glaucinus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus currentium</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus molossus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil

Chiroptera	<i>Molossus molossus</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Molossus rufus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Nyctinomops laticaudatus</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Nyctinomops laticaudatus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Nyctinomops macrotis</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Promops nasutus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Tadarida brasiliensis</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Tadarida brasiliensis</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Tadarida brasiliensis</i>	Derouiche et al. 2009	<i>Pneumocystis</i> diversity as a phyleographic tool
Chiroptera	<i>Tadarida brasiliensis</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Tadarida brasiliensis</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Pteronotus parnellii</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Natalus stramineus</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Natalus stramineus</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico

Chiroptera	<i>Pteropus rodricensis</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Rousettus aegyptiacus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Artibeus fimbriatus</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Artibeus fimbriatus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Carollia perspicillata</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Desmodus rotundus</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Desmodus rotundus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Diphylla ecaudata</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Glossophaga soricina</i>	Guillot et al. 2001	Parallel phylogenies of Pneumocystis species and their mammalian hosts
Chiroptera	<i>Glossophaga soricina</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Glossophaga soricina</i>	Derouiche et al. 2009	Pneumocystis diversity as a phyleographic tool
Chiroptera	<i>Glossophaga soricina</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Glossophaga soricina</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Rhinophylla pumilio</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Sturnira lilium</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification

Chiroptera	<i>Aeorestes cinereus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Eptesicus furinalis</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Eptesicus serotinus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Histiotus velatus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Lasiurus blossevillii</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Myotis californicus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Myotis californicus</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Myotis levis</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Myotis levis</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Myotis nigricans</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Nyctalus noctula</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Pipistrellus pipistrellus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Pipistrellus pipistrellus</i>	Derouiche et al. 2009	Pneumocystis diversity as a phyleographic tool
Chiroptera	<i>Plecotus auritus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations

Chiroptera	Plecotus austriacus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Didelphimorphia	Marmosa murina	Guillot et al. 2001	Parallel phylogenies of Pneumocystis species and their mammalian hosts
Diprotodontia	Osphranter rufus	Poelma 1975	Pneumocystis carinii infections in zoo animals
Eulipotyphla	Neomys fodiens	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex antinorii	Danesi et al. 2016	Barcoding markers for Pneumocystis species in wildlife
Eulipotyphla	Sorex araneus	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex araneus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex araneus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex araneus	Laakkonen et al. 1993	Pneumocystis carinii and helminth parasitism in shrews Sorex araneus and Sorex caecutiens
Eulipotyphla	Sorex caecutiens	Laakkonen et al. 1993	Pneumocystis carinii and helminth parasitism in shrews Sorex araneus and Sorex caecutiens
Eulipotyphla	Sorex isodon	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex minutissimus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex minutus	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex minutus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex minutus	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex spp.	Peters et al. 1994	DNA analysis of Pneumocystis carinii infecting Finnish and English shrews
Eulipotyphla	Sorex spp.	Peters et al. 1994	DNA analysis of Pneumocystis carinii infecting Finnish and English shrews
Eulipotyphla	Tupaia glis	Poelma 1975	Pneumocystis carinii infections in zoo animals
Hyracoidea	Dendrohyrax arboreus	Poelma 1975	Pneumocystis carinii infections in zoo animals
Hyracoidea	Procavia capensis	Poelma 1975	Pneumocystis carinii infections in zoo animals
Lagomorpha	Lepus europaeus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy
Lagomorpha	Oryctolagus cuniculus	Poelma 1975	Pneumocystis carinii infections in zoo animals

Lagomorpha	Oryctolagus cuniculus	Davalos 1963	Latent infection produced by Pneumocystis carinii in domestic animals in Mexico
Perissodactyla	Equus caballus	Clark-Price et al. 2004	Use of dapsone in the treatment of Pneumocystis carinii pneumonia in a foal
Perissodactyla	Equus caballus	Franklin et al. 2002	Proliferative interstitial pneumonia, Pneumocystis carinii infection, and immunodeficiency in an adult Paso Fino horse
Perissodactyla	Equus caballus	Prescott et al. 1991	Sporadic, severe bronchointerstitial pneumonia of foals
Perissodactyla	Equus caballus	Peters et al. 1994	Pneumocystis carinii pneumonia in thoroughbred foals: identification of a genetically distinct organism by DNA amplification
Pilosa	Bradypus tridactylus	Poelma 1975	Pneumocystis carinii infections in zoo animals
Primates	Alouatta fusca	Poelma 1975	Pneumocystis carinii infections in zoo animals
Primates	Ateles belzebuth	Poelma 1975	Pneumocystis carinii infections in zoo animals
Primates	Lagothrix lagothricha	Poelma 1975	Pneumocystis carinii infections in zoo animals
Primates	Callimico goeldii	Demanche et al. 2001	Phylogeny of Pneumocystis carinii from 18 primate species confirms host specificity and suggests coevolution
Primates	Callithrix aurita	Poelma 1975	Pneumocystis carinii infections in zoo animals
Primates	Callithrix geoffroyi	Demanche et al. 2001	Phylogeny of Pneumocystis carinii from 18 primate species confirms host specificity and suggests coevolution
Primates	Callithrix jacchus	Demanche et al. 2001	Phylogeny of Pneumocystis carinii from 18 primate species confirms host specificity and suggests coevolution
Primates	Saguinus fuscicollis	Demanche et al. 2001	Phylogeny of Pneumocystis carinii from 18 primate species confirms host specificity and suggests coevolution
Primates	Saguinus imperator	Demanche et al. 2001	Phylogeny of Pneumocystis carinii from 18 primate species confirms host specificity and suggests coevolution
Primates	Saguinus midas	Demanche et al. 2001	Phylogeny of Pneumocystis carinii from 18 primate species confirms host specificity and suggests coevolution
Primates	Saguinus oedipus	Demanche et al. 2001	Phylogeny of Pneumocystis carinii from 18 primate species confirms host specificity and suggests coevolution
Primates	Saimiri sciureus	Demanche et al. 2001	Phylogeny of Pneumocystis carinii from 18 primate species confirms host specificity and suggests coevolution

Primates	<i>Allenopithecus nigroviridis</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Cercopithecus hamlyni</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Cercopithecus nictitans</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Macaca fascicularis</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Macaca fascicularis</i>	Demanche et al. 2005	Molecular and serological evidence of <i>Pneumocystis</i> circulation in a social organization of healthy macaques (<i>Macaca fascicularis</i>)
Primates	<i>Macaca fascicularis</i>	Demanche et al. 2005	Molecular and serological evidence of <i>Pneumocystis</i> circulation in a social organization of healthy macaques (<i>Macaca fascicularis</i>)
Primates	<i>Macaca mulatta</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Macaca nemestrina</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Galago demidoff</i>	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Primates	<i>Galago senegalensis</i>	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Primates	<i>Pan troglodytes</i>	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Primates	<i>Hapalemur griseus</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Pithecia pithecia</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Rodentia	<i>Heliophobius argenteocinereus</i>	Petružela et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus arvalis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus arvalis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus subterraneus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus subterraneus</i>	Kučera et al. 1971	Pneumocystose

Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Myodes glareolus</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Peromyscus</i> spp.	Salazar-Hamm et al. 2022	Breathing can be dangerous: Opportunistic fungal pathogens and the diverse community of the small mammal lung microbiome
Rodentia	<i>Agouti paca</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Rodentia	<i>Proechimys guyannensis</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Rodentia	<i>Graphiurus murinus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Graphiurus</i> ssp.	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Dipodomys</i> spp.	Salazar-Hamm et al. 2022	Breathing can be dangerous: Opportunistic fungal pathogens and the diverse community of the small mammal lung microbiome
Rodentia	<i>Acomys ignitus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys muzei</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys ngurui</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys wilsoni</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys chrysophilus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys hindei</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys kaiseri</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Apodemus flavicollis</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Apodemus flavicollis</i>	Kučera et al. 1971	Pneumocystose

Rodentia	<i>Apodemus sylvaticus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Apodemus sylvaticus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Apodemus sylvaticus</i>	Demanche et al. 2015	What Do <i>Pneumocystis</i> Organisms Tell Us about the Phylogeography of Their Hosts? The Case of the Woodmouse <i>Apodemus sylvaticus</i> in Continental Europe and Western Mediterranean Islands
Rodentia	<i>Apodemus</i> spp.	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Apomys banahao</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Bandicota indica</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Bandicota indica</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Bandicota savilei</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Bandicota savilei</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Berylmys berdmorei</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Berylmys berdmorei</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Berylmys bowersi</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Berylmys bowersi</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Gerbilliscus vicinus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Grammomys surdaster</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Hylomyscus arcimontensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts

Rodentia	<i>Lemniscomys rosalia</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lemniscomys striatus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Leopoldamys herberti</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Leopoldamys herberti</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Leopoldamys neilli</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Leopoldamys sabanus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Lophuromys kilonzoi</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lophuromys makundii</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Mastomys natalensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Maxomys surifer</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Maxomys surifer</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Mus caroli</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Mus caroli</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Mus cervicolor</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Mus cervicolor</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Mus cookii</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents

Rodentia	<i>Mus cookii</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Mus minutoides</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Mus musculus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Mus musculus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Mus musculus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Mus musculus</i>	Porter 1915	The occurrence of <i>Pneumocystis carinii</i> in mice in England
Rodentia	<i>Mus musculus</i>	Hayashimoto et al. 2014	Microbiological survey of mice (<i>Mus musculus</i>) purchased from commercial pet shops in Kanagawa and Tokyo, Japan
Rodentia	<i>Mus musculus</i>	Bellocq et al. 2018	Holobiont suture zones: Parasite evidence across the European house mouse hybrid zone
Rodentia	<i>Mus pahari</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Mus triton</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Myomyscus brockmani</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Niviventer fulvescens</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Niviventer fulvescens</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Otomys angoniensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Praomys delectorum</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Rattus andamanensis</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus andamanensis</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents

Rodentia	<i>Rattus argentiventer</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus argentiventer</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus exulans</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus exulans</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus nitidus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus nitidus</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus norvegicus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rattus norvegicus</i>	Kučera et al. 1971	<i>Pneumocystose</i>
Rodentia	<i>Rattus norvegicus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Rattus norvegicus</i>	Yoshida and Ikai 1979	<i>Pneumocystis carinii</i> pneumonia: epidemiology in Japan and cyst concentration method
Rodentia	<i>Rattus norvegicus</i>	Palmer et al. 2000	Population structure of rat-derived <i>Pneumocystis carinii</i> in Danish wild rats
Rodentia	<i>Rattus norvegicus</i>	Chabé et al. 2010	<i>Pneumocystis carinii</i> and <i>Pneumocystis wakefieldiae</i> in wild <i>Rattus norvegicus</i> trapped in Thailand
Rodentia	<i>Rattus norvegicus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus norvegicus</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus norvegicus</i>	Yoshida and Ikai 1979	<i>Pneumocystis carinii</i> pneumonia: epidemiology in Japan and cyst concentration method
Rodentia	<i>Rattus rattus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rattus rattus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rattus sakeratensis</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents

Rodentia	<i>Rattus sakeratensis</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus tanezumi</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus tanezumi</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus tanezumi</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus tanezumi</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus tiomanicus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus rattus</i> / <i>Rattus norvegicus</i>	Rothenburger et al. 2015	Respiratory Pathology and Pathogens in Wild Urban Rats (<i>Rattus norvegicus</i> and <i>Rattus rattus</i>)
Rodentia	<i>Rattus rattus</i> / <i>Rattus norvegicus</i>	Boey et al. 2019	Seroprevalence of Rodent Pathogens in Wild Rats from the Island of St. Kitts, West Indies
Rodentia	<i>Rhabdomys dilectus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Sundamys muelleri</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Myocastor coypus</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Myocastor coypus</i>	Danesi et al. 2018	Real-time PCR assay for screening <i>Pneumocystis</i> in free-living wild squirrels and river rats
Rodentia	<i>Saccostomus umbriventer</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Steatomys</i> spp.	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Callosciurus finlaysonii</i>	Danesi et al. 2018	Real-time PCR assay for screening <i>Pneumocystis</i> in free-living wild squirrels and river rats
Rodentia	<i>Funambulus palmarum</i>	Poelma 1975	<i>Pneumocystis carinii</i> infections in zoo animals
Rodentia	<i>Sciurus aestuans</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts

Rodentia	<i>Cannomys badius</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Cannomys badius</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rhizomys pruinosus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Tachyoryctes splendens</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts

Species not exactly defined (n = 3)

Artiodactyla	<i>Cervus</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Artibeus</i> spp.	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Rodentia	<i>Rattus</i> spp.	Meer and Brug 1942	Infection a <i>Pneumocystis</i> chez l'homme et chez les animaux

4. Level of infection in wild animals.

Only negative results (n = 88)

Artiodactyla	<i>Cervus elaphus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	<i>Cervus</i> spp.	Yoshida and Ikai 1979	<i>Pneumocystis carinii</i> pneumonia: epidemiology in Japan and cyst concentration method
Artiodactyla	<i>Elaphurus davidianus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	<i>Rangifer tarandus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Artiodactyla	<i>Rangifer tarandus groenlandicus</i>	Settnes et al. 1986	<i>Pneumocystis carinii</i> Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy

Artiodactyla	<i>Sus scrofa</i>	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	<i>Vulpes vulpes</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Vulpes vulpes</i>	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	<i>Vulpes vulpes</i>	Danesi et al. 2016	Barcoding markers for Pneumocystis species in wildlife
Carnivora	<i>Vulpes vulpes</i>	Meer and Brug 1942	Infection a Pneumocystis chez l'homme et chez les animaux
Carnivora	<i>Martes foina</i>	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	<i>Martes spp.</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Carnivora	<i>Meles meles</i>	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	<i>Meles meles</i>	Danesi et al. 2016	Barcoding markers for Pneumocystis species in wildlife
Carnivora	<i>Mustela sibirica</i>	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Chiroptera	<i>Eumops glaucinus</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR
Chiroptera	<i>Mormoops megalophylla</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Mormoops megalophylla</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Pteronotus davyi</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Pteronotus davyi</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Pteronotus parnellii</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Artibeus fimbriatus</i>	Cavallini Sanches et al. 2013	Pneumocystis spp. in bats evaluated by qPCR

Chiroptera	<i>Artibeus hirsutus</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Artibeus hirsutus</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Artibeus lituratus</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Artibeus lituratus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Artibeus</i> spp.	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Carollia perspicillata</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Carollia perspicillata</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Carollia perspicillata</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Diaemus youngii</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Diaemus youngii</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Diphylla ecaudata</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Sturnira lilium</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Sturnira lilium</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Rhinolophus hipposideros</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Eptesicus serotinus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Hypsugo savii</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species

Chiroptera	<i>Myotis daubentoni</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Myotis levis</i>	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Chiroptera	<i>Myotis myotis</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Myotis mystacinus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Nyctalus leisleri</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Nyctalus noctula</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Chiroptera	<i>Vespertilio</i> spp.	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	<i>Atelerix albiventris</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	<i>Erinaceus europaeus</i>	Settnes et al. 1986	<i>Pneumocystis carinii</i> Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy
Eulipotyphla	<i>Erinaceus europaeus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	<i>Erinaceus roumanicus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	<i>Blarina brevicauda</i>	Laakkonen et al. 1997	Lung parasites of shrews from Pennsylvania
Eulipotyphla	<i>Crocidura leucodon</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	<i>Crocidura suaveolens</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (<i>Incestivora</i> : <i>Soricidae</i>)
Eulipotyphla	<i>Crocidura suaveolens</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	<i>Sorex araneus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark

Eulipotyphla	<i>Sorex cinereus</i>	Laakkonen et al. 1997	Lung parasites of shrews from Pennsylvania
Eulipotyphla	<i>Sorex fumeus</i>	Laakkonen et al. 1997	Lung parasites of shrews from Pennsylvania
Eulipotyphla	<i>Sorex minutus</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	<i>Sorex minutus</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Eulipotyphla	<i>Sorex minutus</i>	Laakkonen 1995	High prevalence of <i>Pneumocystis carinii</i> in <i>Sorex araneus</i> in Finland
Eulipotyphla	<i>Talpa europaea</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Castor fiber</i>	Weissenbacher-Lang et al. 2023	Detection of <i>Pneumocystis</i> and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Arvicola terrestris</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Microtus agrestis</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Microtus agrestis</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Microtus arvalis</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Microtus multiplex</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Microtus subterraneus</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Myodes glareolus</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Myodes glareolus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Myodes rufocanus</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Myodes smithi</i>	Shiota et al. 1986	Prevalence of <i>Pneumocystis carinii</i> in wild rodents in Japan
Rodentia	<i>Peromyscus boylii</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Peromyscus californicus</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Peromyscus maniculatus</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Reithrodontomys megalotis</i>	Laakkonen et al. 2001	<i>Pneumocystis</i> in wild small mammals from California
Rodentia	<i>Muscardinus avellanarius</i>	Sebek and Rosicky 1967	The finding of <i>Pneumocystis carinii</i> in shrews (Incestivora: Soricidae)
Rodentia	<i>Apodemus agrarius</i>	Laakkonen et al. 2006	Is there an association of <i>Pneumocystis</i> infection with the presence of arena-, hanta-, and poxvirus antibodies in wild mice and shrews in Finland?

Rodentia	Apodemus flavicollis	Settnes and Lodal 1980	Prevalence of Pneumocystis carinii Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	Apodemus flavicollis	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora: Soricidae)
Rodentia	Apodemus sylvaticus	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora: Soricidae)
Rodentia	Micromys minutus	Shiota et al. 1986	Prevalence of Pneumocystis carinii in wild rodents in Japan
Rodentia	Micromys minutus	Shiota et al. 1986	Prevalence of Pneumocystis carinii in wild rodents in Japan
Rodentia	Mus musculus	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora: Soricidae)
Rodentia	Rattus everetti	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Rattus rattus	Settnes and Lodal 1980	Prevalence of Pneumocystis carinii Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	Rattus spp.	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Rodentia	Myocastor coypus	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	Sciurus vulgaris	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species

Level of infection not indicated (n = 184)

Afrosoricida	Microgale spp.	Laakkonen 1998	Pneumocystis carinii in wildlife
Artiodactyla	Capreolus capreolus	Settnes et al. 1986	Pneumocystis carinii Delanoë & Delanoë, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	Canis aureus	Kureljušić et al. 2022	First Molecular Detection of Pneumocystis spp. in the Golden Jackal (Canis aureus)
Carnivora	Nyctereutes procyonoides	Riebold et al. 2020	First molecular detection of Pneumocystis spp. in red foxes (Vulpes vulpes LINNAEUS, 1758) and raccoon dogs (Nyctereutes procyonoides GRAY, 1834)
Carnivora	Vulpes vulpes	Settnes et al. 1986	Pneumocystis carinii Delanoë & Delanoë, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	Vulpes vulpes	Riebold et al. 2020	First molecular detection of Pneumocystis spp. in red foxes (Vulpes vulpes LINNAEUS, 1758) and raccoon dogs (Nyctereutes procyonoides GRAY, 1834)

Carnivora	<i>Galictis vittata</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Chiroptera	<i>Eumops glaucinus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus currentium</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus molossus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus molossus</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Molossus rufus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Nyctinomops laticaudatus</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Nyctinomops laticaudatus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Nyctinomops macrotis</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Promops nasutus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Tadarida brasiliensis</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Tadarida brasiliensis</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Tadarida brasiliensis</i>	Derouiche et al. 2009	<i>Pneumocystis</i> diversity as a phyleographic tool
Chiroptera	<i>Tadarida brasiliensis</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Tadarida brasiliensis</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil

Chiroptera	<i>Pteronotus parnellii</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Natalus stramineus</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Natalus stramineus</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Pteropus rodricensis</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Rousettus aegyptiacus</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Artibeus fimbriatus</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Artibeus fimbriatus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Carollia perspicillata</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Desmodus rotundus</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Desmodus rotundus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Diphylla ecaudata</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Glossophaga soricina</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Chiroptera	<i>Glossophaga soricina</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Glossophaga soricina</i>	Derouiche et al. 2009	<i>Pneumocystis</i> diversity as a phyleographic tool

Chiroptera	<i>Glossophaga soricina</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Glossophaga soricina</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Rhinophylla pumilio</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Sturnira lilium</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Aeorestes cinereus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Eptesicus furinalis</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Eptesicus serotinus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Histiotus velatus</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Lasiurus blossevillii</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Myotis californicus</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	<i>Myotis californicus</i>	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	<i>Myotis levis</i>	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Myotis levis</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Myotis nigricans</i>	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Nyctalus noctula</i>	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations

Chiroptera	Pipistrellus pipistrellus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Pipistrellus pipistrellus	Derouiche et al. 2009	Pneumocystis diversity as a phyleographic tool
Chiroptera	Plecotus auritus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Plecotus austriacus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Didelphimorphia	Marmosa murina	Guillot et al. 2001	Parallel phylogenies of Pneumocystis species and their mammalian hosts
Eulipotyphla	Neomys fodiens	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex antinorii	Danesi et al. 2016	Barcoding markers for Pneumocystis species in wildlife
Eulipotyphla	Sorex araneus	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex araneus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex araneus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex araneus	Laakkonen et al. 1993	Pneumocystis carinii and helminth parasitism in shrews Sorex araneus and Sorex caecutiens
Eulipotyphla	Sorex caecutiens	Laakkonen et al. 1993	Pneumocystis carinii and helminth parasitism in shrews Sorex araneus and Sorex caecutiens
Eulipotyphla	Sorex isodon	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex minutissimus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex minutus	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex minutus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex minutus	Kučera et al. 1971	Pneumocystose
Eulipotyphla	Sorex spp.	Peters et al. 1994	DNA analysis of Pneumocystis carinii infecting Finnish and English shrews
Eulipotyphla	Sorex spp.	Peters et al. 1994	DNA analysis of Pneumocystis carinii infecting Finnish and English shrews
Lagomorpha	Lepus europaeus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy

Primates	<i>Pithecia pithecia</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Rodentia	<i>Heliophobius argenteocinereus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus arvalis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus arvalis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus subterraneus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus subterraneus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Myodes glareolus</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Peromyscus</i> spp.	Salazar-Hamm et al. 2022	Breathing can be dangerous: Opportunistic fungal pathogens and the diverse community of the small mammal lung microbiome
Rodentia	<i>Agouti paca</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Rodentia	<i>Proechimys guyannensis</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Rodentia	<i>Graphiurus murinus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Graphiuru</i> ssp.	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Dipodomys</i> spp.	Salazar-Hamm et al. 2022	Breathing can be dangerous: Opportunistic fungal pathogens and the diverse community of the small mammal lung microbiome
Rodentia	<i>Acomys ignitus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys muzei</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts

Rodentia	<i>Acomys ngurui</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys wilsoni</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys chrysophilus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys hindei</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys kaiseri</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Apodemus flavicollis</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Apodemus flavicollis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Apodemus sylvaticus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Apodemus sylvaticus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Apodemus sylvaticus</i>	Demanche et al. 2015	What Do <i>Pneumocystis</i> Organisms Tell Us about the Phylogeography of Their Hosts? The Case of the Woodmouse <i>Apodemus sylvaticus</i> in Continental Europe and Western Mediterranean Islands
Rodentia	<i>Apodemus</i> spp.	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Apomys banahao</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Bandicota indica</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Bandicota indica</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Bandicota savilei</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Bandicota savilei</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Berylmys berdmorei</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents

Rodentia	<i>Berylmys berdmorei</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Berylmys bowersi</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Berylmys bowersi</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Gerbilliscus vicinus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Grammomys surdaster</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Hylomyscus arcimontensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lemniscomys rosalia</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lemniscomys striatus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Leopoldamys herberti</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Leopoldamys herberti</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Leopoldamys neilli</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Leopoldamys sabanus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Lophuromys kilonzoi</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Lophuromys makundii</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Mastomys natalensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Maxomys surifer</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents

Rodentia	Maxomys surifer	Latinne et al. 2018	Genetic diversity and evolution of Pneumocystis fungi infecting wild Southeast Asian murid rodents
Rodentia	Mus caroli	Latinne et al. 2018	Genetic diversity and evolution of Pneumocystis fungi infecting wild Southeast Asian murid rodents
Rodentia	Mus caroli	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Mus cervicolor	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Mus cervicolor	Latinne et al. 2018	Genetic diversity and evolution of Pneumocystis fungi infecting wild Southeast Asian murid rodents
Rodentia	Mus cookii	Latinne et al. 2018	Genetic diversity and evolution of Pneumocystis fungi infecting wild Southeast Asian murid rodents
Rodentia	Mus cookii	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Mus minutoides	Petruželka et al. 2019	Evolutionary history of Pneumocystis fungi in their African rodent hosts
Rodentia	Mus musculus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Rodentia	Mus musculus	Kučera et al. 1971	Pneumocystose
Rodentia	Mus musculus	Settnes and Lodal 1980	Prevalence of Pneumocystis carinii Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	Mus musculus	Porter 1915	The occurrence of Pneumocystis carinii in mice in England
Rodentia	Mus musculus	Bellocq et al. 2018	Holobiont suture zones: Parasite evidence across the European house mouse hybrid zone
Rodentia	Mus pahari	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Mus triton	Petruželka et al. 2019	Evolutionary history of Pneumocystis fungi in their African rodent hosts
Rodentia	Myomyscus brockmani	Petruželka et al. 2019	Evolutionary history of Pneumocystis fungi in their African rodent hosts
Rodentia	Niviventer fulvescens	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents

Rodentia	<i>Niviventer fulvescens</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Otomys angoniensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Praomys delectorum</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Rattus andamanensis</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus andamanensis</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus argentiventer</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus argentiventer</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus exulans</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus exulans</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus nitidus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus nitidus</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus norvegicus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rattus norvegicus</i>	Kučera et al. 1971	<i>Pneumocystose</i>
Rodentia	<i>Rattus norvegicus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Rattus norvegicus</i>	Yoshida and Ikai 1979	<i>Pneumocystis carinii</i> pneumonia: epidemiology in Japan and cyst concentration method
Rodentia	<i>Rattus norvegicus</i>	Palmer et al. 2000	Population structure of rat-derived <i>Pneumocystis carinii</i> in Danish wild rats
Rodentia	<i>Rattus norvegicus</i>	Chabé et al. 2010	<i>Pneumocystis carinii</i> and <i>Pneumocystis wakefieldiae</i> in wild <i>Rattus norvegicus</i> trapped in Thailand

Rodentia	<i>Rattus norvegicus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus norvegicus</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus norvegicus</i>	Yoshida and Ikai 1979	<i>Pneumocystis carinii</i> pneumonia: epidemiology in Japan and cyst concentration method
Rodentia	<i>Rattus rattus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rattus rattus</i>	Shimizu et al. 1985	Occurrence of <i>Pneumocystis carinii</i> in animals in Japan
Rodentia	<i>Rattus sakeratensis</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus sakeratensis</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus tanezumi</i> R2	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus tanezumi</i> R2	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus tanezumi</i> R3	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus tanezumi</i> R3	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus tiomanicus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus rattus</i> / <i>Rattus norvegicus</i>	Rothenburger et al. 2015	Respiratory Pathology and Pathogens in Wild Urban Rats (<i>Rattus norvegicus</i> and <i>Rattus rattus</i>)
Rodentia	<i>Rattus rattus</i> / <i>Rattus norvegicus</i>	Boey et al. 2019	Seroprevalence of Rodent Pathogens in Wild Rats from the Island of St. Kitts, West Indies
Rodentia	<i>Rhabdomys dilectus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Sundamys muelleri</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Myocastor coypus</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife

Rodentia	<i>Myocastor coypus</i>	Danesi et al. 2018	Real-time PCR assay for screening <i>Pneumocystis</i> in free-living wild squirrels and river rats
Rodentia	<i>Saccostomus umbriventer</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Steatomys</i> spp.	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Callosciurus finlaysonii</i>	Danesi et al. 2018	Real-time PCR assay for screening <i>Pneumocystis</i> in free-living wild squirrels and river rats
Rodentia	<i>Sciurus aestuans</i>	Guillot et al. 2001	Parallel phylogenies of <i>Pneumocystis</i> species and their mammalian hosts
Rodentia	<i>Cannomys badius</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Cannomys badius</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rhizomys pruinosus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Tachyoryctes splendens</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts

Species not exactly defined (n = 2)

Chiroptera	<i>Artibeus</i> spp.	Cavallini Sanches et al. 2013	<i>Pneumocystis</i> spp. in bats evaluated by qPCR
Rodentia	<i>Rattus</i> spp.	Meer and Brug 1942	Infection a <i>Pneumocystis</i> chez l'homme et chez les animaux

5. Prevalence x level of infection.

Only negative results (n = 23)

Artiodactyla	<i>Bos taurus</i>	Yoshida and Ikai 1979	<i>Pneumocystis carinii</i> pneumonia: epidemiology in Japan and cyst concentration method
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Artiodactyla	<i>Sus scrofa domesticus</i>	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Artiodactyla	<i>Sus scrofa domesticus</i>	Davalos 1963	Latent infection produced by Pneumocystis carinii in domestic animals in Mexico
Carnivora	<i>Canis lupus familiaris</i>	Wöhrer et al. 2016	Age-related presence of selected viral and bacterial pathogens in paraffin-embedded lung samples of dogs with pneumonia
Carnivora	<i>Vulpes vulpes</i>	Danesi et al. 2016	Barcoding markers for Pneumocystis species in wildlife
Carnivora	<i>Felis catus</i>	Hagler et al. 1987	Feline leukemia virus and Pneumocystis carinii infection
Carnivora	<i>Meles meles</i>	Danesi et al. 2016	Barcoding markers for Pneumocystis species in wildlife
Carnivora	<i>Mustela sibirica</i>	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Eulipotyphla	<i>Erinaceus europaeus</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Eulipotyphla	<i>Blarina brevicauda</i>	Laakkonen et al. 1997	Lung parasites of shrews from Pennsylvania
Eulipotyphla	<i>Sorex cinereus</i>	Laakkonen et al. 1997	Lung parasites of shrews from Pennsylvania
Eulipotyphla	<i>Sorex fumeus</i>	Laakkonen et al. 1997	Lung parasites of shrews from Pennsylvania
Eulipotyphla	<i>Sorex minutus</i>	Laakkonen 1995	High prevalence of Pneumocystis carinii in Sorex araneus in Finland
Primates	<i>Callithrix jacchus</i>	Weissenbacher-Lang et al. 2023	Detection of Pneumocystis and morphological description of fungal distribution and severity of infection in thirty-six mammal species
Rodentia	<i>Microtus agrestis</i>	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora:Soricidae)
Rodentia	<i>Microtus subterraneus</i>	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora:Soricidae)
Rodentia	<i>Myodes glareolus</i>	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora:Soricidae)
Rodentia	<i>Myodes smithi</i>	Shiota et al. 1986	Prevalence of Pneumocystis carinii in wild rodents in Japan

Rodentia	<i>Peromyscus californicus</i>	Laakkonen et al. 2001	Pneumocystis in wild small mammals from California
Rodentia	<i>Reithrodontomys megalotis</i>	Laakkonen et al. 2001	Pneumocystis in wild small mammals from California
Rodentia	<i>Apodemus agrarius</i>	Laakkonen et al. 2006	Is there an association of Pneumocystis infection with the presence of arena-, hanta-, and poxvirus antibodies in wild mice and shrews in Finland?
Rodentia	<i>Apodemus flavicollis</i>	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora: Soricidae)
Rodentia	<i>Apodemus sylvaticus</i>	Sebek and Rosicky 1967	The finding of Pneumocystis carinii in shrews (Incestivora: Soricidae)

Level of infection not indicated (n = 104)

Artiodactyla	<i>Bos taurus</i>	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	<i>Bos taurus</i>	Settnes and Henriksen 1989	Pneumocystis carinii in large domestic animals in Denmark
Artiodactyla	<i>Ovis aries</i>	Settnes and Henriksen 1989	Pneumocystis carinii in large domestic animals in Denmark
Artiodactyla	<i>Sus scrofa domesticus</i>	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Artiodactyla	<i>Sus scrofa domesticus</i>	Settnes and Henriksen 1989	Pneumocystis carinii in large domestic animals in Denmark
Artiodactyla	<i>Sus scrofa domesticus</i>	Huang et al. 2022	A total infectome approach to understand the etiology of infectious disease in pigs
Artiodactyla	<i>Sus scrofa domesticus</i>	Esgalhado et al. 2013	Study of the epidemiology of Pneumocystis carinii f. sp. suis in abattoir swine in Portugal
Artiodactyla	<i>Sus scrofa domesticus</i>	Sanches et al. 2006	Co-Infection of Pneumocystis carinii f. sp. suis and Porcine Circovirus-2 (PCV2) in Pig Lungs Obtained from Slaughterhouses in Southern and Midwestern Regions of Brazil
Carnivora	<i>Canis aureus</i>	Kureljusić et al. 2022	First Molecular Detection of Pneumocystis spp. in the Golden Jackal (<i>Canis aureus</i>)
Carnivora	<i>Canis lupus familiaris</i>	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Carnivora	<i>Canis lupus familiaris</i>	Sukura et al. 1997	Occurrence of Pneumocystis carinii in canine distemper
Carnivora	<i>Canis lupus familiaris</i>	Davalos 1963	Latent infection produced by Pneumocystis carinii in domestic animals in Mexico

Carnivora	<i>Canis lupus familiaris</i>	Zavala and Rosado 1972	<i>Pneumocystis carinii</i> in domestic animals of the city of Mérida, Yucatán
Carnivora	<i>Nyctereutes procyonoides</i>	Riebold et al. 2020	First molecular detection of <i>Pneumocystis</i> spp. in red foxes (<i>Vulpes vulpes</i> LINNAEUS, 1758) and raccoon dogs (<i>Nyctereutes procyonoides</i> GRAY, 1834)
Carnivora	<i>Vulpes vulpes</i>	Settnes et al. 1986	<i>Pneumocystis carinii</i> Delanoe & Delanoe, 1912 found in lungs of freeliving animals in Denmark at Autopsy
Carnivora	<i>Vulpes vulpes</i>	Riebold et al. 2020	First molecular detection of <i>Pneumocystis</i> spp. in red foxes (<i>Vulpes vulpes</i> LINNAEUS, 1758) and raccoon dogs (<i>Nyctereutes procyonoides</i> GRAY, 1834)
Carnivora	<i>Felis catus</i>	Zavala and Rosado 1972	<i>Pneumocystis carinii</i> in domestic animals of the city of Mérida, Yucatán
Carnivora	<i>Felis catus</i>	Danesi et al. 2019	Molecular detection of <i>Pneumocystis</i> in the lungs of cats
Carnivora	<i>Felis catus</i>	Davalos 1963	Latent infection produced by <i>Pneumocystis carinii</i> in domestic animals in Mexico
Chiroptera	<i>Molossus molossus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Molossus molossus</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Nyctinomops laticaudatus</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Nyctinomops laticaudatus</i>	Veloso et al. 2014	<i>Pneumocystis</i> spp. and <i>Histoplasma capsulatum</i> in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	<i>Tadarida brasiliensis</i>	Sanches et al. 2009	Detection of <i>Pneumocystis</i> in lungs of bats from Brazil by PCR amplification
Chiroptera	<i>Tadarida brasiliensis</i>	Akbar et al. 2012	Characterizing <i>Pneumocystis</i> in the lungs of bats: understanding <i>Pneumocystis</i> evolution and the spread of <i>Pneumocystis</i> organisms in mammal populations
Chiroptera	<i>Tadarida brasiliensis</i>	Derouiche et al. 2009	<i>Pneumocystis</i> diversity as a phyleographic tool
Chiroptera	<i>Tadarida brasiliensis</i>	González-González et al. 2014	<i>Histoplasma capsulatum</i> and <i>Pneumocystis</i> spp. co-infection in wild bats from Argentina, French Guyana, and Mexico

Chiroptera	Tadarida brasiliensis	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Pteropus rodricensis	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Rousettus aegyptiacus	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Desmodus rotundus	Sanches et al. 2009	Detection of Pneumocystis in lungs of bats from Brazil by PCR amplification
Chiroptera	Desmodus rotundus	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Glossophaga soricina	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Chiroptera	Glossophaga soricina	Derouiche et al. 2009	Pneumocystis diversity as a phyleographic tool
Chiroptera	Glossophaga soricina	González-González et al. 2014	Histoplasma capsulatum and Pneumocystis spp. co-infection in wild bats from Argentina, French Guyana, and Mexico
Chiroptera	Histiotus velatus	Veloso et al. 2014	Pneumocystis spp. and Histoplasma capsulatum in bats lungs in Southern and Midwestern Regions of Brazil
Chiroptera	Nyctalus noctula	Akbar et al. 2012	Characterizing Pneumocystis in the lungs of bats: understanding Pneumocystis evolution and the spread of Pneumocystis organisms in mammal populations
Eulipotyphla	Sorex antinorii	Danesi et al. 2016	Barcoding markers for Pneumocystis species in wildlife
Eulipotyphla	Sorex araneus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex araneus	Laakkonen 1998	Pneumocystis carinii in wildlife
Eulipotyphla	Sorex araneus	Laakkonen et al. 1993	Pneumocystis carinii and helminth parasitism in shrews Sorex araneus and Sorex caecutiens
Eulipotyphla	Sorex caecutiens	Laakkonen et al. 1993	Pneumocystis carinii and helminth parasitism in shrews Sorex araneus and Sorex caecutiens
Lagomorpha	Lepus europaeus	Settnes et al. 1986	Pneumocystis carinii Delanoe & Delanoe, 1912 found in lungs of freelifving animals in Denmark at Autopsy

Lagomorpha	<i>Oryctolagus cuniculus</i>	Davalos 1963	Latent infection produced by <i>Pneumocystis carinii</i> in domestic animals in Mexico
Perissodactyla	<i>Equus caballus</i>	Prescott et al. 1991	Sporadic, severe bronchointerstitial pneumonia of foals
Primates	<i>Callithrix jacchus</i>	Demanche et al. 2001	Phylogeny of <i>Pneumocystis carinii</i> from 18 primate species confirms host specificity and suggests coevolution
Primates	<i>Macaca fascicularis</i>	Demanche et al. 2005	Molecular and serological evidence of <i>Pneumocystis</i> circulation in a social organization of healthy macaques (<i>Macaca fascicularis</i>)
Rodentia	<i>Microtus agrestis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Microtus arvalis</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Myodes glareolus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Graphiurus murinus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Acomys wilsoni</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Aethomys chrysophilus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Apodemus flavicollis</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Apodemus sylvaticus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Bandicota indica</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Bandicota indica</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Bandicota savilei</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Bandicota savilei</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Berylmys berdmorei</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Berylmys berdmorei</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents

Rodentia	<i>Gerbilliscus vicinus</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Leopoldamys herberti</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Mastomys natalensis</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Maxomys surifer</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Maxomys surifer</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Mus caroli</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Mus caroli</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Mus cervicolor</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Mus cervicolor</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Mus cookii</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Mus cookii</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Mus minutoides</i>	Petruželka et al. 2019	Evolutionary history of <i>Pneumocystis</i> fungi in their African rodent hosts
Rodentia	<i>Mus musculus</i>	Kučera et al. 1971	Pneumocystose
Rodentia	<i>Mus musculus</i>	Settnes and Lodal 1980	Prevalence of <i>Pneumocystis carinii</i> Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	<i>Mus musculus</i>	Porter 1915	The occurrence of <i>Pneumocystis carinii</i> in mice in England
Rodentia	<i>Mus musculus</i>	Hayashimoto et al. 2014	Microbiological survey of mice (<i>Mus musculus</i>) purchased from commercial pet shops in Kanagawa and Tokyo, Japan
Rodentia	<i>Mus musculus</i>	Bellocq et al. 2018	Holobiont suture zones: Parasite evidence across the European house mouse hybrid zone

Rodentia	Mus triton	Petruželka et al. 2019	Evolutionary history of Pneumocystis fungi in their African rodent hosts
Rodentia	Niviventer fulvescens	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Rattus argentiventer	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Rattus argentiventer	Latinne et al. 2018	Genetic diversity and evolution of Pneumocystis fungi infecting wild Southeast Asian murid rodents
Rodentia	Rattus exulans	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Rattus exulans	Latinne et al. 2018	Genetic diversity and evolution of Pneumocystis fungi infecting wild Southeast Asian murid rodents
Rodentia	Rattus nitidus	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Rattus nitidus	Latinne et al. 2018	Genetic diversity and evolution of Pneumocystis fungi infecting wild Southeast Asian murid rodents
Rodentia	Rattus norvegicus	Settnes and Lodal 1980	Prevalence of Pneumocystis carinii Delanoë & Delanoë, 1912 in rodents in Denmark
Rodentia	Rattus norvegicus	Yoshida and Ikai 1979	Pneumocystis carinii pneumonia: epidemiology in Japan and cyst concentration method
Rodentia	Rattus norvegicus	Palmer et al. 2000	Population structure of rat-derived Pneumocystis carinii in Danish wild rats
Rodentia	Rattus norvegicus	Chabé et al. 2010	Pneumocystis carinii and Pneumocystis wakefieldiae in wild Rattus norvegicus trapped in Thailand
Rodentia	Rattus norvegicus	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	Rattus norvegicus	Latinne et al. 2018	Genetic diversity and evolution of Pneumocystis fungi infecting wild Southeast Asian murid rodents
Rodentia	Rattus rattus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Rodentia	Rattus rattus	Shimizu et al. 1985	Occurrence of Pneumocystis carinii in animals in Japan
Rodentia	Rattus sakeratensis	Latinne et al. 2021	Revisiting the Pneumocystis host specificity paradigm and transmission ecology in wild Southeast Asian rodents

Rodentia	<i>Rattus sakeratensis</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus tanezumi</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus tanezumi</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus tanezumi</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Rattus tanezumi</i>	Latinne et al. 2018	Genetic diversity and evolution of <i>Pneumocystis</i> fungi infecting wild Southeast Asian murid rodents
Rodentia	<i>Rattus tiomanicus</i>	Latinne et al. 2021	Revisiting the <i>Pneumocystis</i> host specificity paradigm and transmission ecology in wild Southeast Asian rodents
Rodentia	<i>Myocastor coypus</i>	Danesi et al. 2016	Barcoding markers for <i>Pneumocystis</i> species in wildlife
Rodentia	<i>Myocastor coypus</i>	Danesi et al. 2018	Real-time PCR assay for screening <i>Pneumocystis</i> in free-living wild squirrels and river rats
Rodentia	<i>Callosciurus finlaysonii</i>	Danesi et al. 2018	Real-time PCR assay for screening <i>Pneumocystis</i> in free-living wild squirrels and river rats