

Animal sales from Wuhan wet markets immediately prior to the COVID-19  
pandemic

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**Table S1.**

List of 38 species sold in Wuhan City markets from May 2017-Nov 2019, of which thirty-three have been reportedly infected with zoonotic pathogens in wild populations, markets and/or farms in China since 2009. Note: The masked palm civet (*Paguma larvata*) was the host involved in the 2003 SARS outbreak\*.

Species on sale	Zoonotic pathogens found in wild populations	Zoonotic pathogens found in markets	Zoonotic pathogens found in farmed hosts
<b>Mammals</b>			
Raccoon dog ( <i>Nyctereutes procyonoides</i> )			<i>Enterocytozoon bieneusi</i> (Yang et al. 2015), H5N1 Influenza (Qi et al. 2009), Arctic-like rabies virus (Shao et al. 2011), <i>Toxoplasma gondii</i> (Zheng et al. 2017), Carnivore amdoparvovirus (Shao et al. 2014), canine distemper virus (Zhao et al. 2010; Cheng et al. 2015), <i>Enterocytozoon bieneusi</i> (Xu et al. 2016)
Amur hedgehog ( <i>Erinaceus amurensis</i> )	<i>Coxiella burnetii</i> (Gong et al. 2020), <i>Enterocytozoon bieneusi</i> (Gong et al. 2021), <i>Leptospira interrogans</i> (Ma et al. 2020a)		
Siberian weasel ( <i>Mustela sibirica</i> )			
Hog badger ( <i>Arctonyx albogularis</i> )			
Asian badger ( <i>Meles leucurus</i> )	<i>Babesia</i> spp. (Sang et al. 2021)		
Chinese hare ( <i>Lepus sinensis</i> )	<i>Klebsiella pneumoniae</i> (Du et al. 2014)		

Pallas's squirrel  
(*Callosciurus erythraeus*)

Masked palm civet\*  
(*Paguma larvata*)

Chinese bamboo rat  
(*Rhizomys sinensis*)

Malayan porcupine  
(*Hystrix brachyura*)  
Chinese muntjac  
(*Muntiacus reevesi*)  
Coypu  
(*Myocastor coypus*)

Marmot  
(*Marmota himalayana*)

Red fox  
(*Vulpes vulpes*)  
Mink  
(*Neovison vison*)

Red squirrel  
(*Sciurus vulgaris*)

Wild boar  
(*Sus scrofa*)

*Penicillium marneffe* (Cao et al. 2011)

*Yersinia pestis* (Xu et al. 2018),  
*Enterocytozoon bieneusi* (Xu et al. 2020)

*Enterocytozoon bieneusi* (Deng et al. 2016), *Cryptosporidium* spp. (Chai et al. 2019),

*Enterocytozoon bieneusi*, *Giardia duodenalis* and *Cryptosporidium* spp. (Yu et al. 2020), *Toxoplasma gondii* (Hou et al. 2016)

*Enterocytozoon bieneusi* (Wang et al. 2019), *Cryptosporidium* spp. (Wei et al. 2019; Li et al. 2020), *Giardia duodenalis* (Ma et al. 2018)

*Giardia duodenalis* (Cui et al. 2021), *Enterocytozoon bieneusi* (Yu et al. 2020)

*Enterocytozoon bieneusi* (Yang et al. 2015; Ma et al. 2020b), *Enterocytozoon bieneusi* (Zhang et al. 2018), Newcastle disease virus (Zhao et al. 2014), severe pseudorabies virus (Liu et al. 2017), *Circovirus* (Lian et al. 2014)

*Cryptosporidium* spp.,  
*Enterocytozoon bieneusi* (Deng et al. 2020)

*Clostridium perfringens* (Li et al. 2017), *Enterocytozoon bieneusi*

Complex-toothed Flying Squirrel ( <i>Troglodytes xanthipes</i> )			and <i>Cryptosporidium</i> spp. (Feng et al. 2020), <i>Toxoplasma gondii</i> (Bai et al. 2017) <i>Leptospira</i> , <i>Blastocystis</i> (Xiao et al. 2019a)
<b>Birds</b>			
Collared crow ( <i>Corvus torquatus</i> )			
Spotted dove ( <i>Spilopelia chinensis</i> )	Newcastle disease virus (Duan et al. 2014; Xiang et al. 2017)		
Eurasian magpie ( <i>Pica pica</i> )		<i>Toxoplasma gondii</i> (Chen et al. 2015)	
Crested myna ( <i>Acridotheres cristatellus</i> )		<i>Enterocytozoon bieneusi</i> (Deng et al. 2019), <i>Cryptosporidium</i> spp. (Li et al. 2016)	
Chukar partridge ( <i>Alectoris chukar</i> )			Duck Influenza Virus Subtype H9N2 (Zhu et al. 2018)
Ring-necked Pheasant ( <i>Phasianus colchicus</i> )			Avian coronaviruses (Han et al. 2020)
Peacock ( <i>Pavo cristatus</i> )			H5N6 avian influenza virus (Li et al. 2019), <i>Cryptosporidium</i> spp., <i>Enterocytozoon bieneusi</i> (Feng et al. 2016)
Guinea fowl ( <i>Numida meleagris</i> )			Fowl adenoviruses (Li et al. 2019), H7N9 virus (Fan et al. 2019)
<b>Reptiles</b>			
Beauty rat snake ( <i>Orthriophis taeniurus</i> )	<i>Spirometra</i> spp. (Xiao et al. 2019b)		
Red large-toothed Snake ( <i>Dinodon rufozonatum</i> )			<i>Ophidiomyces ophiodiicola</i> (Sun et al. 2021)
Many-banded krait ( <i>Bungarus multicinctus</i> )	<i>Spirometra</i> spp. (Xiao et al. 2019b)		
Ringed water snake ( <i>Sinonatrix annularis</i> )	<i>Spirometra</i> spp. (Xiao et al. 2019b)		
Short-tailed pit viper	<i>Spirometra</i> spp., <i>Hepatozoon</i> spp.		

( <i>Gloydius brevicaudus</i> )	and <i>Cryptosporidium</i> spp. (Xiao et al. 2019b)		
Chinese cobra ( <i>Naja atra</i> )		<i>Spirometra erinaceieuropaei</i> (Wang et al. 2011)	<i>Cryptosporidium</i> spp. (Xiao et al. 2019b)
Monocled cobra ( <i>Naja kaouthia</i> )			<i>Cryptosporidium</i> spp. (Xiao et al. 2019b)
Oriental rat snake ( <i>Ptyas mucosa</i> )		<i>Spirometra erinaceieuropaei</i> (Wang et al. 2011)	<i>Cryptosporidium</i> spp. (Xiao et al. 2019b)
Sharp-nosed pit viper ( <i>Deinagkistrodon acutus</i> )			<i>Spirometra</i> spp. and <i>Cryptosporidium</i> spp. (Xiao et al. 2019b)
Siamese crocodile ( <i>Crocodylus siamensis</i> )			<i>Aeromonas</i> spp. (Pu et al. 2019), tilapia parvovirus (Du et al. 2019)
Big-eyed rat snake ( <i>Ptyas dhumnades</i> )	<i>Cryptosporidium</i> spp. (Xiao et al. 2019b)		
King rat snake ( <i>Elaphe carinata</i> )			<i>Cryptosporidium</i> spp. (Xiao et al. 2019b)

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