

SUPPLEMENTARY MATERIALS

SUPPLEMENTARY TABLE S1. Overall trends of H5N1 infection in mammals (2021–2025, Excluding humans).

Year	Species	Order & Family	Country
2021	Red fox; European mink; Grey seal; Beech marten; Eurasian otter; Eurasian lynx; Domestic pig; European badger; European polecat	Carnivora, Artiodactyla & Canidae, Mustelidae, Felidae, Otariidae, Suidae	Netherlands, Finland, Poland, Estonia, England, Denmark, Scotland, Italy
2022	Red fox; Eurasian otter; Grey seal; Ferret; Harbor seal; Striped skunk; American mink; Raccoon; Coati; European polecat; Virginia opossum; Gray fox; Coyote; Fisher; Bottlenose dolphin; Amur leopard; Amur tiger; American black bear; Grizzly bear; Kodiak bear; Domestic cat; Bobcat; Mountain lion; North American river otter; North American beaver; Dusky dolphin; Atlantic white-sided dolphin; European mink; European badger; Caspian seal; Asiatic black bear; South American sea lion	Carnivora, Cetacea, Rodentia, Didelphimorphia, Artiodactyla & Canidae, Mustelidae, Felidae, Otariidae, Mephitidae, Procyonidae, Didelphidae, Delphinidae, Ursidae, Castoridae, Suidae	Netherlands, England, Ireland, Canada, United States, Japan, Belgium, Slovenia, Germany, Russia, France, Peru, Spain
2023	Red fox; European polecat; Striped skunk; Mountain lion; Domestic cat; Caracal; Bobcat; Raccoon; Harbor seal; Coyote; American black bear; Fisher; Bottlenose dolphin; Polar bear; Abert's squirrel; American mink; Virginia opossum; Amur tiger; Coypu; South American sea lion; Common dolphin; Eurasian otter; Sea otter; Giant otter; Harbor porpoise; Chilean dolphin; Domestic dog; Bush dog; Ferret; Beech marten; Pine marten; Eurasian lynx; Arctic fox; Japanese raccoon dog; South American fur seal; Southern elephant seal; Northern fur seal; Walrus	Carnivora, Cetacea, Rodentia, Didelphimorphia & Canidae, Mustelidae, Felidae, Otariidae, Mephitidae, Procyonidae, Ursidae, Delphinidae, Sciuridae, Echimyidae, Phocoenidae, Odobenidae	United States, Scotland, Wales, Latvia, Finland, Norway, Sweden, Germany, Italy, Belgium, France, Poland, South Korea, Peru, Argentina, Uruguay, Brazil, Chile, Russia, Japan, Antarctica
2024	Domestic cat; Bobcat; House mouse; Red fox; Eurasian otter; Striped skunk; Mountain lion; Raccoon; Bottlenose dolphin; Harbor seal; American black bear; Fisher; American mink; Virginia opossum; Amur tiger; Canada lynx; Eurasian lynx; Geoffroy's cat; Prairie vole; Deer mouse; Muskrat; Desert cottontail; Domestic cattle; Alpaca; Domestic goat; Tiger; Lion; Jaguar	Carnivora, Cetacea, Rodentia, Lagomorpha, Artiodactyla & Canidae, Mustelidae, Felidae, Otariidae, Mephitidae, Procyonidae, Ursidae, Delphinidae, Muridae, Cricetidae, Leporidae, Bovidae, Camelidae	United States, Norway, Peru, Vietnam
2025	Norwegian rat; Deer mouse; Rusty-spotted cat; Canada lynx; House mouse; Striped skunk; Red fox; Harbor seal; Long-tailed weasel; American mink; Bobcat; American black bear; Mountain lion; Black rat; Bottlenose dolphin; Sheep; Eurasian otter; Grey seal	Carnivora, Cetacea, Rodentia, Artiodactyla & Canidae, Mustelidae, Felidae, Otariidae, Mephitidae, Ursidae, Delphinidae, Muridae, Bovidae	United States, Scotland, Germany, England, Wales