



Zoonotic potential of international trade in CITES-listed species

Annexes B, C and D

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No. 678**

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Annex B: Taxonomic orders and associated zoonotic diseases

Annex C: CITES-listed species and directly associated zoonotic diseases

Annex D: Full trade summaries by taxonomic family

UNEP-WCMC & JNCC

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Annex B: Taxonomic orders and associated zoonotic diseases

Table B1: Taxonomic orders¹ associated with at least one zoonotic disease according to the source papers, ranked by number of associated zoonotic diseases identified. The percentage of the total number of zoonotic diseases (n=275) associated with each order is shown in parentheses.

Order	No of CITES-listed species	No. of diseases	Diseases
Rodentia	17	141 (52%)	Acariasis; Allpahuayo virus infection; Amur infection; Andes virus; Angiostrongylasis; Anthrax; Argentine hemorrhagic fever; Bartonellosis; Bayou virus; Bear Canyon virus; Bermejo virus infection; Bhanja fever/Bhanja viral disease; Big brushy tank virus infection; Black Creek Canal virus infection; Bolivian hemorrhagic fever; Borna disease; Bovine anaplasmosis; Bovine leukosis; Bovine tuberculosis/zoonotic tuberculosis; Brucellosis; Bunyamwera fever; Bussuquara virus disease; Cache Valley virus infection; Calabazo virus infection; California encephalitis; Campylobacteriosis; Caraparu virus infection; Catarina virus infection; Catu virus disease; Chagas disease; Chagrinola virus infection; Chikungunya; Chocho virus infection; Colorado tick fever; Cowpox; Crimean-Congo hemorrhagic fever; Cystic echinoccosis; Dengue fever; Dera Ghazi Khan virus; Dermatophytosis/ringworm; Dhori virus infection; Dugbe virus disease; Eastern equine encephalitis; Ebola virus disease (EVD); El Moro Canyon virus infection; Elleipsisoma tromsoni infection; Encephalomyocarditis; Epidemic typhus; Gan Gan virus infection; Guama virus infection; Hantavirus cardiopulmonary syndrome; Hemorrhagic Fever with Renal Syndrom; Hemorrhagic septicemia; Hepatitis E; Hepatozoon infection; Hymenolepis diminuta infection; Hymenolepis infection; Hymenolepis nana infection; Ilheus virus infection; Irkut virus infection; Isfahan virus infection; Juquitiba-like infection; Kairi virus infection; Koutango virus infection; Kyasanur forest disease; La Crosse encephalitis; Laguna Negra virus infection; Lassa fever; Lebombo virus infection; Leishmaniasis; Leptospirosis; Ljungan virus infection; Louping ill; Lyme disease (Borrelia burgdorferi infection); Lymphocytic choriomeningitis; Mange; Marituba virus infection; Mayaro fever; Mobala virus infection; Modoc virus infection; Mokola virus infection; Monkeypox; Monongahela virus infection; Morogoro virus infection; Muju virus infection; Murine pneumonia; Nipah; Oliveros virus infection; Omsk hemorrhagic fever; Oran virus infection; Oriboca virus infection; Ornithonyssus bacoti infection; Ornithonyssus sylviarum infection; Paratuberculosis; Patois virus infection; Picobirnavirus infection (Gastroenteritis); Pirital virus infection; Plague; Powassan virus infection; Prospect Hill virus infection; Puumala orthohantavirus disease; Q fever; Rabies; Rat bite fever; Relapsing fever; Rickettsialpox; Rift Valley fever; Ringworm; Rio Mamore virus infection; Rocky Mountain spotted fever; Salmonellosis; Seoul virus infection; Severe acute respiratory syndrome (SARS); Simian virus 10 infection; Sin Nombre virus infection; Sinbis fever; St. Louis encephalitis; Surra; Tamdy virus infection; Thailand virus disease; Thiafora virus infection; Thogoto virus; Tick-borne encephalitis; Tonto Creek virus infection; Trichinosis/Trichinellosis; Tritrichomonas foetus infection; Tuberculosis; Tularemia; Uukuniemi virus infection; Venezuelan equine encephalitis; Venezuelan hemorrhagic fever; Vesicular stomatitis; Viral hemorrhagic fever; Virus Langat infection; Wesselsbron disease; West Nile fever; Western equine encephalitis; Whitewater Arroyo virus; Yellow fever; Yersiniosis; Zika virus
Carnivora	122	88 (32%)	Aleutian mink disease; Anthrax; Argentine hemorrhagic fever; Avian influenza; Babesiosis; Barmah Forest virus infection; Bartonellosis; Bat rabies; Bhanja fever/Bhanja viral disease; Borna disease; Bovine tuberculosis/zoonotic tuberculosis; Brucellosis; Bunyamwera fever; Cache Valley virus infection; California encephalitis; Campylobacteriosis; Capillaria aerophila infection; Cheyletiellosis; Chlamydiosis; Colorado tick fever; Cowpox; Crimean-Congo hemorrhagic fever; Cryptosporidiosis; Cystic echinoccosis; Dermatophytosis/ringworm; Ebola virus disease (EVD); Echinostomiasis; Encephalomyocarditis; Equine herpesvirus infection; Erysipelas; Feline scabies; Fish tapeworm; Flea tapeworm; Giardiasis; Glanders; Gnathostomiasis; Great Island virus infection; Heartworm; Hemorrhagic septicemia; Hepatitis E; Herpes; Hookworm; Influenza; Jamestown Canyon virus infection; Leishmaniasis; Leptospirosis; Listeriosis; Louping ill; Mayaro fever; Mokola virus infection; Monkeypox; Murray Valley encephalitis; Nipah; Paragonimiasis; Paratuberculosis; Patois virus infection; Picobirnavirus infection (Gastroenteritis); Plague; Porcine cysticercosis; Powassan virus infection; Puumala orthohantavirus disease; Q fever; Rabies; Rift Valley fever; Ross River fever; Salmon poisoning disease; Salmonellosis; Sealpox; Severe acute respiratory syndrome (SARS); Sinbis fever; St. Louis encephalitis; Strongyloidiasis; Thogoto virus; Toxocariasis; Toxoplasmosis; Trichinosis/Trichinellosis;

¹ CITES-listed taxa named in the source papers were mapped to CITES higher taxonomy using Species+, all other taxa were mapped to IUCN higher taxonomy.

Annex B: Taxonomic orders and associated zoonotic diseases

Order	No of CITES-listed species	No. of diseases	Diseases
Primates	408	83 (31%)	Trubanaman virus disease; Trypanosomosis; Tuberculosis; Tularemia; Venezuelan equine encephalitis; Vesicular stomatitis; Wesselsbron disease; West Nile fever; Western equine encephalitis; Yellow fever; Yersiniosis; Zika virus
Artiodactyla	94	76 (28%)	Adeno-associated virus 1 infection; Adeno-associated virus 2 infection; African green monkey polyomavirus infection; Amebiasis; Amoebiasis infection; Anthrax; Avian influenza; Balantidiasis; Borna disease; Boubou virus infection; Bovine tuberculosis/zoonotic tuberculosis; Bunyamwera fever; Bussuquara virus disease; Bwamba fever; Campylobacteriosis; Caraparu virus infection; Chikungunya; Cowpox; Cystic echinoccosis; Dengue fever; Dermatophytosis/ringworm; Dugbe virus disease; Eastern equine encephalitis; Ebola virus disease (EVD); Encephalomyocarditis; Gastrodiscoidiasis; Getah virus infection; Giardiasis; Gibbon ape leukemia virus infection; Hemorrhagic septicemia; Hepatitis A; Hepatitis E; Herpes; Herpes B virus infection; Hymenolepis diminuta infection; Hymenolepis infection; Ilheus virus infection; Influenza; Japanese encephalitis; Kairi virus infection; Kyasanur forest disease; Lassa fever; Leishmaniasis; Leptospirosis; Liver fluke; Ljungan virus infection; Lymphocytic choriomeningitis; Malaria; Marburg virus disease; Mayaro fever; Monkey B virus/Herpes B virus; Monkeypox; Parainfluenza virus 5; Picobirnavirus infection (Gastroenteritis); Porcine cysticercosis; Primate T-lymphotropic virus infection; Q fever; Rabies; Ringworm; Salmonellosis; Scabies; Simian foamy virus infection; Simian retrovirus type D infection; Simian virus 10 infection; Simian virus 40 infection; Sinbis fever; St. Louis encephalitis; Strongyloidiasis; Tacaiuma virus infection; Tanapox; Tembusu virus disease; Toxoplasmosis; Trypanosomosis; Tuberculosis; Tularemia; Una virus infection; Vesicular stomatitis; West Nile fever; Woolly monkey sarcoma virus; Yaba monkey tumor virus; Yellow fever; Yersiniosis; Zika virus
Perissodactyla	14	60 (22%)	Alkhurma hemorrhagic fever; Anthrax; Babesiosis; Balantidiasis; Bat rabies; Bhanja fever/Bhanja viral disease; Borna disease; Bovine anaplasmosis; Bovine leukeosis; Bovine papular stomatitis; Bovine tuberculosis/zoonotic tuberculosis; Brucellosis; Buffalopox; Bunyamwera fever; Cache Valley virus infection; California encephalitis; Camelpox; Caraparu virus infection; Catu virus disease; Chandipura virus infection; Chlamydiosis; Colorado tick fever; Cowpox; Crimean-Congo hemorrhagic fever; Cystic echinoccosis; Dera Ghazi Khan virus; Dhori virus infection; Dugbe virus disease; Eastern equine encephalitis; Ebola virus disease (EVD); Eyach virus infection; Gan Gan virus infection; Glanders; Heartwater; Hemorrhagic septicemia; Hepatitis E; Igbo-ora virus infection; Jamestown Canyon virus infection; Kyasanur forest disease; La Crosse encephalitis; Lancet liver fluke; Leptospirosis; Liver fluke; Louping ill; Mokola virus infection; Omsk hemorrhagic fever; Orf; Oropouche fever; Orungo virus infection; Paratuberculosis; Plague; Pseudocowpox; Punta Toro virus infection; Q fever; Rabies; Rift Valley fever; Ross River fever; Roundworm; Salmonellosis; Scabies; Sinbis fever; St. Louis encephalitis; Strongyloidiasis; Surra; Tacaiuma virus infection; Thiafora virus infection; Thogoto virus; Tick-borne encephalitis; Trubanaman virus disease; Trypanosomosis; Tuberculosis; Tularemia; Vesicular stomatitis; Wesselsbron disease; West Nile fever; Zika virus
Chiroptera	70	55 (20%)	Anopheles A virus infection; Anthrax; Aura virus infection; Balantidiasis; Barmah Forest virus infection; Bhanja fever/Bhanja viral disease; Borna disease; Bovine anaplasmosis; Bovine tuberculosis/zoonotic tuberculosis; Brucellosis; Bunyamwera fever; Bwamba fever; Cache Valley virus infection; California encephalitis; Colorado tick fever; Corriparta virus infection; Crimean-Congo hemorrhagic fever; Cystic echinoccosis; Dhori virus infection; Eastern equine encephalitis; Encephalomyocarditis; Equine herpesvirus infection; Gan Gan virus infection; Gastrodiscoidiasis; Getah virus infection; Glanders; Hendra; Hepatitis E; Ilheus virus infection; Jamestown Canyon virus infection; Japanese encephalitis; Kairi virus infection; Kokobera virus infection; Leptospirosis; Liver fluke; Louping ill; Murray Valley encephalitis; Q fever; Rabies; Rift Valley fever; Ross River fever; Roundworm; Scabies; Sinbis fever; St. Louis encephalitis; Strongyloidiasis; Thogoto virus; Tick-borne encephalitis; Trubanaman virus disease; Trypanosomosis; Tuberculosis; Tularemia; Una virus infection; Usutu virus infection; Venezuelan equine encephalitis; Vesicular stomatitis; Wesselsbron disease; West Nile fever; Western equine encephalitis; Zika virus

Annex B: Taxonomic orders and associated zoonotic diseases

Order	No of CITES-listed species	No. of diseases	Diseases
Lagomorpha	2	45 (17%)	fever; St. Louis encephalitis; Surra; Tacaribe virus infection; Tembusu virus disease; Tick-borne encephalitis; Usutu virus infection; Venezuelan equine encephalitis; Vesicular stomatitis; Wesselsbron disease; West Nile fever; Western equine encephalitis; Yellow fever; Zika virus
Serpentes	163	24 (9%)	Bartonellosis; Baylisascaris infection; Bhanja fever/Bhanja viral disease; Borna disease; Bovine tuberculosis/zoonotic tuberculosis; Brucellosis; Bunyamwera fever; Cache Valley virus infection; California encephalitis; Cheyletiellosis; Colorado tick fever; Crimean-Congo hemorrhagic fever; Cystic echinocccosis; Dermatophytosis/ringworm; Encephalitozoon cuniculi; Eyach virus infection; Feline scabies; Glanders; Hemorrhagic septicemia; Hepatitis E; La Crosse encephalitis; Leishmaniasis; Leptospirosis; Listeriosis; Louping ill; Monkeypox; Paratuberculosis; Patois virus infection; Plague; Powassan virus infection; Q fever; Rabies; Ringworm; Ross River fever; Salmonellosis; Sinbis fever; St. Louis encephalitis; Tick-borne encephalitis; Tritrichomonas foetus infection; Trubanaman virus disease; Tuberculosis; Tularemia; Vesicular stomatitis; Western equine encephalitis; Yersiniosis
Didelphimorphia	0	20 (8%)	Brucellosis; California encephalitis; Caraparu virus infection; Catu virus disease; Encephalomyocarditis; Gnathostomiasis; Guama virus infection; Leishmaniasis; Leptospirosis; Marituba virus infection; Mayaro fever; Oriboca virus infection; Patois virus infection; Q fever; St. Louis encephalitis; Trichinosis/Trichinellosis; Venezuelan equine encephalitis; Vesicular stomatitis; West Nile fever; Western equine encephalitis
Sauria	580	17 (7%)	Angiostrongylasis; Chlamydia; Cryptosporidiosis; Dermatophytosis/ringworm; Eutrombicula infection; Giardiasis; Leishmaniasis; Leptospirosis; Mesocestoides infection; Neotrombicula autumnalis infection; Pentastomiasis; Plesiomonas infection; Raillietiella hemidactyli infection; Salmonellosis; Sarcocystis nesbitti infection; Spirometra infection; Strongyloidiasis; Trichinosis/Trichinellosis; Western equine encephalitis; Yersiniosis
Diprotodontia	16	14 (6%)	Anthrax; Barmah Forest virus infection; Bovine tuberculosis/zoonotic tuberculosis; Cystic echinocccosis; Edge Hill virus infection; Gan Gan virus infection; Kokobera virus infection; Leptospirosis; Murray Valley encephalitis; Q fever; Ross River fever; Sinbis fever; Trubanaman virus disease; Tuberculosis
Pilosa	4	14 (6%)	Borna disease; Changuinola virus infection; Cowpox; Ilheus virus infection; Leishmaniasis; Marituba virus infection; Mayaro fever; Monkeypox; Oropouche fever; Picobirnavirus infection (Gastroenteritis); Punta Toro virus infection; St. Louis encephalitis; Vesicular stomatitis; Yellow fever
Eulipotyphla	0	12 (5%)	Bhanja fever/Bhanja viral disease; Borna disease; Bovine tuberculosis/zoonotic tuberculosis; California encephalitis; Chandipura virus infection; Crimean-Congo hemorrhagic fever; Kyasanur forest disease; Louping ill; Plague; Thiafora virus infection; Tularemia; Uukuniemi virus infection
Testudines	182	11 (4%)	Aeromonas infection; Campylobacteriosis; Chlamydia; Cryptosporidiosis; Dermatophytosis/ringworm; Echinostomiasis; Eutrombicula infection; Leptospirosis; Salmonellosis; Trichinosis/Trichinellosis; Yersiniosis
Crocodylia	22	10 (4%)	Chlamydia; Contracaecum infection; Echinostomiasis; Eustrongylides infection; Herring worm disease; Leptospirosis; Mycobacterium szulgai infection; Pseudoterranova infection; Salmonellosis; Trichinosis/Trichinellosis
Proboscidea	2	9 (4%)	Anthrax; Bovine tuberculosis/zoonotic tuberculosis; Cowpox; Crimean-Congo hemorrhagic fever; Encephalomyocarditis; Liver fluke; Rabies; Rift Valley fever; Tuberculosis
Cingulata	3	8 (3%)	Eastern equine encephalitis; Leishmaniasis; Mayaro fever; Picobirnavirus infection (Gastroenteritis); Rabies; St. Louis encephalitis; Trichinosis/Trichinellosis; Vesicular stomatitis
Erinaceomorpha	0	7 (3%)	Bovine tuberculosis/zoonotic tuberculosis; Crimean-Congo hemorrhagic fever; Leptospirosis; Monkeypox; Rabies; Tuberculosis; Tularemia
Anura	153	6 (3%)	Chlamydiosis; Dermatophytosis/ringworm; Gnathostomiasis; Salmonellosis; Western equine encephalitis; Yersiniosis
Passeriformes	82	6 (3%)	Chlamydiosis; E. coli infection; Enterobacter infection; leucophrys infection; Paratuberculosis; Salmonellosis
Cetacea	92	5 (2%)	Brucellosis; Influenza; Q fever; St. Louis encephalitis; Trichinosis/Trichinellosis
Psittaciformes	354	5 (2%)	Chlamydiosis; E. coli infection; Enterobacter infection; Salmonellosis; West Nile fever
Falconiformes	302	3 (2%)	Chlamydiosis; Salmonellosis; Tularemia
Hyracoidea	0	3 (2%)	Leishmaniasis; Rabies; Tuberculosis

Order	No of CITES-listed species	No. of diseases	Diseases
Squamata	0	3 (2%)	Leptospirosis; <i>Mycobacterium genavense</i> infection; Salmonellosis
Struthioniformes	1	3 (2%)	Anthrax; Botulism; Chlamydiosis
Accipitriformes	0	2 (1%)	Chlamydiosis; Salmonellosis
Anseriformes	17	2 (1%)	Chlamydiosis; Salmonellosis
Ciconiiformes	15	2 (1%)	Chlamydiosis; Salmonellosis
Dasyuromorphia	2	2 (1%)	Sinbis fever; Trichinosis/Trichinellosis
Pelecaniformes	3	2 (1%)	Chlamydiosis; Gnathostomiasis
Perciformes	3	2 (1%)	Gnathostomiasis; Tularemia
Piciformes	11	2 (1%)	Chlamydiosis; Salmonellosis
Soricomorpha	0	2 (1%)	Mokola virus infection; Tularemia
Strigiformes	197	2 (1%)	Chlamydiosis; Salmonellosis
Tubulidentata	0	2 (1%)	Anthrax; Rabies
Apodiformes	330	1 (<1%)	Chlamydiosis
Archaeogastropoda	0	1 (<1%)	Tularemia
Bucerotiformes	0	1 (<1%)	Chlamydiosis
Caprimulgiformes	0	1 (<1%)	Chlamydiosis
Cathartiformes	0	1 (<1%)	Chlamydiosis
Charadriiformes	5	1 (<1%)	Chlamydiosis
Columbiformes	7	1 (<1%)	Chlamydiosis
Coraciiformes	24	1 (<1%)	Chlamydiosis
Cuculiformes	14	1 (<1%)	Chlamydiosis
Decapoda	0	1 (<1%)	Tularemia
Fabales	302	1 (<1%)	Chlamydiosis
Gadiformes	0	1 (<1%)	Tularemia
Galliformes	47	1 (<1%)	Chlamydiosis
Gruiformes	43	1 (<1%)	Chlamydiosis
Macroscelidea	0	1 (<1%)	Monkeypox
Peramelemorphia	2	1 (<1%)	Edge Hill virus infection
Podicipediformes	1	1 (<1%)	Chlamydiosis
Procellariiformes	1	1 (<1%)	Chlamydiosis
Rheiformes	2	1 (<1%)	Chlamydiosis
Salmoniformes	0	1 (<1%)	Tularemia
Sau	0	1 (<1%)	Salmonellosis
Siluriformes	2	1 (<1%)	Gnathostomiasis
Sphenisciformes	2	1 (<1%)	Chlamydiosis
Suliformes	0	1 (<1%)	Chlamydiosis

Annex C: CITES-listed species and directly associated zoonotic diseases

Table C1: CITES-listed species directly associated with at least one zoonotic disease according to the source papers.

This is not intended as a comprehensive summary of *all* CITES-listed species and their known zoonotic diseases, and should be considered only part of the full suite of diseases associated with the order (see Annex B) and family (see Annex D), since the 22 source papers (see Table A2) only comprise a subset of the complete literature on this subject (inclusion criteria detailed in Annex A) and are strongly indicative of research effort regarding specific taxa and diseases.

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Mammals					
Artiodactyla					
Antilocapridae	<i>Antilocapra americana</i>	Mexican Pronghorn	2 (0)	St. Louis encephalitis; Vesicular stomatitis	
Bovidae	<i>Boselaphus tragocamelus</i>	Nilgai	1 (0)	Balantidiasis	
	<i>Bubalus arnee</i>	Wild Asiatic Buffalo	10 (2)	Bhanja fever/Bhanja viral disease; Bovine leukeosis; Buffalopox; Caraparu virus infection; Catu virus disease; Crimean-Congo hemorrhagic fever; Dugbe virus disease; Oropouche fever; Rift Valley fever; Tacaima virus infection	Crimean-Congo hemorrhagic fever; Rift Valley fever
	<i>Capra hircus aegagrus</i>	Wild Goat	19 (4)	Bhanja fever/Bhanja viral disease; Cache Valley virus infection; Chandipura virus infection; Crimean-Congo hemorrhagic fever; Dhori virus infection; Eyach virus infection; Igbo-ora virus infection; Kyasanur forest disease; Louping ill; Mokola virus infection; Omsk hemorrhagic fever; Orf; Rabies; Rift Valley fever; Ross River fever; Tick-borne encephalitis; Vesicular stomatitis; Wesselsbron disease; Zika virus	Crimean-Congo hemorrhagic fever; Rift Valley fever; Tick-borne encephalitis; Zika virus
	<i>Capra sibirica</i>	Siberian Ibex	1 (0)	Liver fluke	
	<i>Damaliscus pygargus</i>	Blesbok	2 (2)	Crimean-Congo hemorrhagic fever; Rift Valley fever	Crimean-Congo hemorrhagic fever; Rift Valley fever
	<i>Hippotragus niger</i>	Sable Antelope	5 (5)	Anthrax; Brucellosis; Crimean-Congo hemorrhagic fever; Cystic echinoccosis; Rift Valley fever	Anthrax; Brucellosis; Crimean-Congo hemorrhagic fever; Cystic echinoccosis; Rift Valley fever
	<i>Kobus leche</i>	Lechwe	1 (1)	Anthrax	Anthrax
	<i>Ovis canadensis</i>	Bighorn Sheep	1 (0)	Vesicular stomatitis	
Cervidae	<i>Cervus elaphus</i>	Elk	4 (0)	Eyach virus infection; Louping ill; Thiafora virus infection; Vesicular stomatitis	

Annex C: Zoonotic diseases associated with CITES-listed species

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Cervidae (cont)	<i>Dama dama</i>	Fallow Deer	2 (1)	Rabies; Rift Valley fever	Rift Valley fever
	<i>Odocoileus virginianus</i>	White-tailed Deer	7 (1)	Cache Valley virus infection; Eastern equine encephalitis; Jamestown Canyon virus infection; La Crosse encephalitis; Rabies; Vesicular stomatitis; West Nile fever	Eastern equine encephalitis
Giraffidae	<i>Giraffa camelopardalis</i>	Giraffe	6 (4)	Anthrax; Balantidiasis; Bhanja fever/Bhanja viral disease; Brucellosis; Crimean-Congo hemorrhagic fever; Cystic echinoccosis	Anthrax; Brucellosis; Crimean-Congo hemorrhagic fever; Cystic echinoccosis
Hippopotamidae	<i>Hexaprotodon liberiensis</i>	Pygmy Hippopotamus	1 (0)	Borna disease	
	<i>Hippopotamus amphibius</i>	Hippopotamus	4 (3)	Anthrax; Brucellosis; Liver fluke; Zika virus	Anthrax; Brucellosis; Zika virus
Tayassuidae	<i>Pecari tajacu</i>	Collared Peccary	1 (1)	Salmonellosis	Salmonellosis
Carnivora					
Ailuridae	<i>Ailurus fulgens</i>	Red Panda	2 (0)	Cowpox; West Nile fever	
Canidae	<i>Canis aureus</i>	Common Jackal	4 (0)	Cystic echinoccosis; Flea tapeworm; Heartworm; Salmon poisoning disease	
	<i>Canis lupus</i>	Common Wolf	19 (3)	Barmah Forest virus infection; Borna disease; Bunyamwera fever; Crimean-Congo hemorrhagic fever; Cystic echinoccosis; Gnathostomiasis; Heartworm; Hepatitis E; Herpes; Hookworm; Mokola virus infection; Murray Valley encephalitis; Rabies; Ross River fever; St. Louis encephalitis; Venezuelan equine encephalitis; Vesicular stomatitis; Wesselsbron disease; West Nile fever	Bunyamwera fever; Crimean-Congo hemorrhagic fever; Venezuelan equine encephalitis
	<i>Chrysocyon brachyurus</i>	Maned Wolf	1 (0)	Rabies	
	<i>Vulpes velox</i>	Swift Fox	6 (1)	Bunyamwera fever; Cache Valley virus infection; California encephalitis; Colorado tick fever; Rabies; Vesicular stomatitis	Bunyamwera fever
	<i>Vulpes vulpes</i>	Red Fox	13 (2)	Bhanja fever/Bhanja viral disease; Borna disease; California encephalitis; Capillaria aerophila infection; Crimean-Congo hemorrhagic fever; Heartworm; Hookworm; Puumala orthohantavirus disease; Rabies; Severe acute respiratory syndrome (SARS); St. Louis encephalitis; Trubanaman virus disease; West Nile fever	Crimean-Congo hemorrhagic fever; Severe acute respiratory syndrome (SARS)
Eupleridae	<i>Cryptoprocta ferox</i>	Fosa	1 (0)	Rabies	
Felidae	<i>Acinonyx jubatus</i>	Cheetah	5 (3)	Anthrax; Bovine tuberculosis/zoonotic tuberculosis; Cowpox; Rabies; Rift Valley fever	Anthrax; Bovine tuberculosis/zoonotic tuberculosis; Rift Valley fever
	<i>Caracal aurata</i>	African Golden Cat	2 (0)	Heartworm; Paragonimiasis	

Annex C: Zoonotic diseases associated with CITES-listed species

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Felidae (cont)	<i>Caracal caracal</i>	African Caracal	2 (1)	Anthrax; Rabies	Anthrax
	<i>Catopuma temminckii</i>	Asian Golden Cat	1 (0)	Influenza	
	<i>Felis chaus</i>	Jungle Cat	1 (0)	Echinostomiasis	
	<i>Felis lybica</i>	Northern African Wild Cat	1 (0)	Rabies	
	<i>Felis nigripes</i>	Black-footed Cat	1 (0)	Rabies	
	<i>Felis silvestris</i>	Wildcat	5 (1)	Anthrax; Capillaria aerophila infection; Fish tapeworm; Gnathostomiasis; Rabies	Anthrax
	<i>Herpailurus yagouaroundi</i>	Eyra Cat	1 (0)	Cowpox	
	<i>Leopardus geoffroyi</i>	Geoffroy's Cat	1 (0)	Picobirnavirus infection (Gastroenteritis)	
	<i>Leopardus pardalis</i>	Ocelot	1 (1)	Salmonellosis	Salmonellosis
	<i>Lynx lynx</i>	Eurasian Lynx	7 (3)	Anthrax; Borna disease; Brucellosis; Cystic echinoccosis; Plague; Rabies; Tuberculosis	Anthrax; Brucellosis; Plague
	<i>Lynx rufus</i>	Bay Lynx	3 (1)	Rabies; Venezuelan equine encephalitis; Vesicular stomatitis	Venezuelan equine encephalitis
	<i>Neofelis diardi</i>	Clouded Leopard	1 (0)	Heartworm	
	<i>Neofelis nebulosa</i>	Clouded Leopard	1 (0)	Influenza	
	<i>Otocolobus manul</i>	Pallas's Cat	1 (1)	Crimean-Congo hemorrhagic fever	Crimean-Congo hemorrhagic fever
	<i>Panthera leo</i>	Lion	15 (5)	Anthrax; Bovine tuberculosis/zoonotic tuberculosis; Cowpox; Cystic echinoccosis; Heartworm; Hookworm; Influenza; Paragonimiasis; Picobirnavirus infection (Gastroenteritis); Rift Valley fever; Salmon poisoning disease; Strongyloidiasis; Toxoplasmosis; Trichinosis/Trichinellosis; Zika virus	Anthrax; Bovine tuberculosis/zoonotic tuberculosis; Cystic echinoccosis; Rift Valley fever; Salmon poisoning disease; Strongyloidiasis; Zika virus
	<i>Panthera onca</i>	Jaguar	2 (1)	Picobirnavirus infection (Gastroenteritis); Salmonellosis	Salmonellosis
	<i>Panthera pardus</i>	Leopard	14 (2)	Anthrax; Bovine tuberculosis/zoonotic tuberculosis; Capillaria aerophila infection; Cowpox; Fish tapeworm; Flea tapeworm; Gnathostomiasis; Heartworm; Hookworm; Influenza; Paragonimiasis; Rabies; Salmon poisoning disease; Strongyloidiasis	Anthrax; Bovine tuberculosis/zoonotic tuberculosis
	<i>Panthera tigris</i>	Tiger	6 (0)	Gnathostomiasis; Heartworm; Hookworm; Influenza; Paragonimiasis; Strongyloidiasis	
	<i>Prionailurus bengalensis</i>	Leopard Cat	3 (0)	Cystic echinoccosis; Hookworm; Influenza	
	<i>Prionailurus viverrinus</i>	Fishing Cat	1 (0)	Influenza	
	<i>Puma concolor</i>	Cougar	5 (1)	Anthrax; Cystic echinoccosis; Picobirnavirus infection (Gastroenteritis); Rabies; Toxocariasis	Anthrax
Herpestidae	<i>Herpestes javanicus</i>	Javan Mongoose	2 (0)	Hepatitis E; Rabies	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Hyaenidae	<i>Hyaena hyaena</i>	Striped Hyena	3 (0)	Fish tapeworm; Flea tapeworm; Paragonimiasis	
	<i>Proteles cristata</i>	Aardwolf	1 (0)	Rabies	
Mustelidae	<i>Eira barbara</i>	Tayra	1 (0)	Mayaro fever	
	<i>Lontra canadensis</i>	North American Otter	1 (0)	Rabies	
	<i>Lontra longicaudis</i>	Long-tailed Otter	1 (1)	Salmonellosis	Salmonellosis
	<i>Lutra lutra</i>	Common Otter	3 (1)	Aleutian mink disease; Brucellosis; Rabies	Brucellosis
	<i>Martes foina</i>	Beech Marten	3 (0)	Bat rabies; Influenza; Rabies	
	<i>Mellivora capensis</i>	Honey Badger	2 (1)	Bovine tuberculosis/zoonotic tuberculosis; Rabies	Bovine tuberculosis/zoonotic tuberculosis
Odobenidae	<i>Odobenus rosmarus</i>	Walrus	1 (0)	Influenza	
Otariidae	<i>Arctocephalus australis</i>	South American Fur Seal	1 (0)	Influenza	
Procyonidae	<i>Nasua narica</i>	Northern Coati	1 (0)	Vesicular stomatitis	
	<i>Nasua nasua</i>	South American Coati	3 (2)	Anthrax; Mayaro fever; Monkeypox; Rabies	Anthrax; Monkeypox
	<i>Potos flavus</i>	Kinkajou	3 (1)	Mayaro fever; Salmonellosis; Vesicular stomatitis	Salmonellosis
Ursidae	<i>Ursus americanus</i>	American Black Bear	2 (0)	Vesicular stomatitis; West Nile fever	
	<i>Ursus arctos</i>	Brown Bear	2 (0)	Sinbis fever; West Nile fever	
	<i>Ursus maritimus</i>	Polar Bear	1 (0)	West Nile fever	
Viverridae	<i>Civettictis civetta</i>	African Civet	3 (1)	Anthrax; Rabies; Trichinosis/Trichinellosis	Anthrax
	<i>Paguma larvata</i>	Masked Palm Civet	1 (1)	Severe acute respiratory syndrome (SARS)	Severe acute respiratory syndrome (SARS)
	<i>Paradoxurus hermaphroditus</i>	Asian Palm Civet	3 (0)	Echinostomiasis; Salmon poisoning disease; Strongyloidiasis	
	<i>Viverra zibetha</i>	Large Indian Civet	1 (0)	Salmon poisoning disease	
Cetacea					
Balaenopteridae	<i>Balaenoptera acutorostrata</i>	Lesser Rorqual	1 (0)	Influenza	
Delphinidae	<i>Globicephala melas</i>	Long-finned Pilot Whale	1 (0)	Influenza	
	<i>Orcinus orca</i>	Killer Whale	1 (0)	St. Louis encephalitis	
	<i>Tursiops truncatus</i>	Bottle-nosed Dolphin	1 (1)	Brucellosis	Brucellosis
Phocoenidae	<i>Phocoenoides dalli</i>	Dall's Porpoise	1 (0)	Influenza	
Chiroptera					
Phyllostomidae	<i>Platyrrhinus lineatus</i>	White-lined Bat	1 (0)	Rabies	
Pteropodidae	<i>Pteropus admiralitatum</i>	Admiralty Flying-fox	2 (0)	Hendra; Nipah	

Annex C: Zoonotic diseases associated with CITES-listed species

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Pteropodidae (cont)	<i>Pteropus alecto</i>	Black Flying-fox	10 (2)	Bat rabies; Dengue fever; Hendra; Japanese encephalitis; Kokobera virus infection; Menangle virus infection; Murray Valley encephalitis; Ross River fever; Sinbis fever; West Nile fever	Dengue fever; Japanese encephalitis
	<i>Pteropus capistratus</i>	Bismarck Masked Flying-fox	2 (0)	Hendra; Nipah	
	<i>Pteropus conspicillatus</i>	Spectacled Flying-fox	4 (0)	Bat rabies; Hendra; Menangle virus infection; Nipah	
	<i>Pteropus giganteus</i>	Indian Flying-fox	2 (0)	Khujand virus infection; Nipah	
	<i>Pteropus hypomelanus</i>	Small Flying-fox	3 (0)	Bat rabies; Hendra; Nipah	
	<i>Pteropus lylei</i>	Lyle's Flying-fox	4 (0)	Bat rabies; Irkut virus infection; Khujand virus infection; Nipah	
	<i>Pteropus neohibernicus</i>	Bismarck Flying-fox	2 (0)	Hendra; Nipah	
	<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	5 (0)	Bat rabies; Hendra; Menangle virus infection; Rabies; Ross River fever	
	<i>Pteropus rufus</i>	Madagascar Flying-fox	2 (0)	Hendra; Nipah	
	<i>Pteropus scapulatus</i>	Little Red Flying-fox	9 (2)	Bat rabies; Dengue fever; Hendra; Japanese encephalitis; Kokobera virus infection; Menangle virus infection; Murray Valley encephalitis; Ross River fever; West Nile fever	Dengue fever; Japanese encephalitis
	<i>Pteropus vampyrus</i>	Large Flying-fox	2 (0)	Nipah; Tembusu virus disease	
	Perissodactyla				
	<i>Equus africanus</i>	African Ass	7 (1)	Bhanja fever/Bhanja viral disease; Borna disease; Bwamba fever; Cache Valley virus infection; Crimean-Congo hemorrhagic fever; Kairi virus infection; Vesicular stomatitis	Crimean-Congo hemorrhagic fever
	<i>Equus grevyi</i>	Grevy's Zebra	1 (1)	Zika virus	Zika virus
	<i>Ceratotherium simum</i>	Grass Rhinoceros	2 (2)	Crimean-Congo hemorrhagic fever; Rift Valley fever	Crimean-Congo hemorrhagic fever; Rift Valley fever
Rhinocerotidae	<i>Diceros bicornis</i>	Black Rhinoceros	3 (3)	Anthrax; Crimean-Congo hemorrhagic fever; Rift Valley fever	Anthrax; Crimean-Congo hemorrhagic fever; Rift Valley fever
	<i>Rhinoceros unicornis</i>	Greater One-horned Rhinoceros	3 (1)	Balantidiasis; Cystic echinoccosis; Liver fluke	Cystic echinoccosis
Pilosa					
Bradypodidae	<i>Bradypus variegatus</i>	Bolivian Three-toed Sloth	5 (0)	Changuinola virus infection; Ilheus virus infection; Punta Toro virus infection; St. Louis encephalitis; Vesicular stomatitis	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Myrmecophagidae	<i>Myrmecophaga tridactyla</i>	Giant Anteater	2 (0)	Cowpox; Picobirnavirus infection (Gastroenteritis)	
	<i>Tamandua mexicana</i>	Northern Tamandua	1 (0)	Yellow fever	
Primates					
Aotidae	<i>Aotus trivirgatus</i>	Douroucouli	4 (0)	Encephalomyocarditis; Hepatitis A; Vesicular stomatitis; Yellow fever	
	<i>Alouatta belzebul</i>	Black-and-red Howling Monkey	1 (0)	Bussuquara virus disease	
	<i>Alouatta caraya</i>	Black Howler	3 (0)	St. Louis encephalitis; Una virus infection; Yellow fever	
	<i>Alouatta guariba</i>	Brown Howler	1 (0)	Yellow fever	
	<i>Alouatta palliata</i>	Mantled Howler	2 (0)	Vesicular stomatitis; Yellow fever	
	<i>Alouatta pigra</i>	Guatemalan Howler	2 (0)	St. Louis encephalitis; Vesicular stomatitis	
	<i>Alouatta seniculus</i>	Red Howler	2 (0)	Mayaro fever; Yellow fever	
	<i>Ateles paniscus</i>	Red-faced Black Spider Monkey	1 (0)	St. Louis encephalitis	
	<i>Lagothrix lagotricha</i>	Common Woolly Monkey	1 (0)	Woolly monkey sarcoma virus	
Cebidae	<i>Ateles belzebuth</i>	Long-haired Spider Monkey	1 (1)	Salmonellosis	Salmonellosis
	<i>Callimico goeldii</i>	Goeldi's Marmoset	2 (0)	Cowpox; Lymphocytic choriomeningitis	
	<i>Callithrix geoffroyi</i>	Geoffroy's Tufted-ear Marmoset	2 (0)	Cowpox; Vesicular stomatitis	
	<i>Callithrix jacchus</i>	Common Marmoset	4 (0)	Cowpox; Encephalomyocarditis; Herpes; Simian foamy virus infection	
	<i>Callithrix leucippe</i>	White Marmoset	2 (0)	Mayaro fever; Yellow fever	
	<i>Callithrix penicillata</i>	Black-pencilled Marmoset	1 (0)	Cowpox	
	<i>Callithrix pygmaea</i>	Pygmy Marmoset	1 (0)	Lymphocytic choriomeningitis	
	<i>Cebus apella</i>	Black-capped Capuchin	3 (0)	Caraparu virus infection; St. Louis encephalitis; Tacaiuma virus infection	
	<i>Cebus capucinus</i>	White-faced Capuchin	1 (0)	Vesicular stomatitis	
	<i>Saguinus fuscicollis</i>	Brown-headed Tamarin	1 (0)	Cowpox	
	<i>Saguinus geoffroyi</i>	Cotton-top Marmoset	1 (0)	Yellow fever	
	<i>Saguinus labiatus</i>	Geoffroy's Tamarin	1 (0)	Cowpox	
	<i>Saguinus midas</i>	Red-handed Tamarin	2 (0)	Cowpox; Mayaro fever	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Cebidae (cont)	<i>Saguinus nigricollis</i>	Black-and-red Tamarin	1 (0)	Cowpox	
	<i>Saguinus oedipus</i>	Cotton-headed Tamarin	1 (0)	Cowpox	
	<i>Saimiri sciureus</i>	Common Squirrel Monkey	4 (0)	Cowpox; Encephalomyocarditis; Mayaro fever; Simian foamy virus infection	
Cercopithecidae	<i>Allenopithecus nigroviridis</i>	Allen's Swamp Monkey	3 (1)	Monkeypox; Simian foamy virus infection; Simian retrovirus type D infection	Monkeypox
	<i>Cercocebus agilis</i>	Agile Mangabey	1 (0)	Primate T-lymphotropic virus infection	
	<i>Cercocebus atys</i>	Sooty Mangabey	1 (0)	Simian foamy virus infection	
	<i>Cercocebus chrysogaster</i>	Golden-bellied Mangabey	1 (0)	Simian foamy virus infection	
	<i>Cercocebus torquatus</i>	Collared Mangabey	1 (0)	Simian foamy virus infection	
	<i>Cercopithecus ascanius</i>	Black-cheeked White-nosed Monkey	7 (2)	Bwamba fever; Chikungunya; Influenza; Monkeypox; Simian retrovirus type D infection; Yellow fever; Zika virus	Monkeypox; Zika virus
	<i>Cercopithecus campbelli</i>	Campbell's Guenon	2 (0)	Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Cercopithecus cephus</i>	Moustached Monkey	2 (0)	Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Cercopithecus diana</i>	Diana Guenon	2 (0)	Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Cercopithecus erythrotis</i>	Red-eared Guenon	2 (0)	Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Cercopithecus hamlyni</i>	Owl-faced Guenon	1 (0)	Simian retrovirus type D infection	
	<i>Cercopithecus lhoesti</i>	L'Hoest's Monkey	2 (0)	Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Cercopithecus mitis</i>	Blue Monkey	3 (0)	Simian foamy virus infection; Simian retrovirus type D infection; Simian virus 10 infection	
	<i>Cercopithecus mona</i>	Mona Monkey	7 (2)	Bwamba fever; Monkeypox; Primate T-lymphotropic virus infection; Simian foamy virus infection; Simian retrovirus type D infection; Yellow fever; Zika virus	Monkeypox; Zika virus
	<i>Cercopithecus neglectus</i>	De Brazza's Monkey	4 (1)	Bwamba fever; Ebola virus disease (EVD); Simian foamy virus infection; Simian retrovirus type D infection	Ebola virus disease (EVD)
	<i>Cercopithecus nictitans</i>	Greater White-nosed Monkey	3 (0)	Primate T-lymphotropic virus infection; Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Cercopithecus petaurista</i>	Lesser Spot-nosed Guenon	1 (1)	Monkeypox	Monkeypox

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Cercopithecidae (cont)	<i>Cercopithecus pogonias</i>	Crowned Guenon	2 (0)	Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Cercopithecus solatus</i>	Sun-tailed Guenon	2 (0)	Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Chlorocebus aethiops</i>	Grevet Monkey	9 (2)	Adeno-associated virus 1 infection; African green monkey polyomavirus infection; Chikungunya; Marburg virus disease; Simian foamy virus infection; Simian retrovirus type D infection; Yaba monkey tumor virus; Yellow fever; Zika virus	Marburg virus disease; Zika virus
	<i>Chlorocebus pygerythrus</i>	Vervet Monkey	3 (0)	Simian foamy virus infection; Simian retrovirus type D infection; Yaba monkey tumor virus	
	<i>Chlorocebus sabaeus</i>	Green Monkey	2 (0)	Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Chlorocebus tantalus</i>	Tantalus Monkey	1 (0)	Simian retrovirus type D infection	
	<i>Colobus guereza</i>	Eastern Black-and-white Colobus	4 (1)	Bwamba fever; Simian foamy virus infection; Simian retrovirus type D infection; Zika virus	Zika virus
	<i>Colobus polykomos</i>	King Colobus	1 (0)	Yellow fever	
	<i>Erythrocebus patas</i>	Patas Monkey	6 (0)	Chikungunya; Dugbe virus disease; Simian foamy virus infection; Simian retrovirus type D infection; Yaba monkey tumor virus; Yellow fever	
	<i>Lophocebus albigena</i>	Grey-cheeked Mangabey	5 (1)	Bwamba fever; Primate T-lymphotropic virus infection; Simian foamy virus infection; Simian retrovirus type D infection; Zika virus	Zika virus
	<i>Macaca arctoides</i>	Bear Macaque	3 (0)	Herpes B virus infection; Monkey B virus/Herpes B virus; Simian foamy virus infection	
	<i>Macaca cyclopis</i>	Formosan Rock Macaque	3 (0)	Herpes B virus infection; Monkey B virus/Herpes B virus; Simian foamy virus infection	
	<i>Macaca fascicularis</i>	Crab-eating Macaque	17 (5)	Chikungunya; Cowpox; Dengue fever; Eastern equine encephalitis; Ebola virus disease (EVD); Hepatitis A; Hepatitis E; Herpes B virus infection; Japanese encephalitis; Lassa fever; Monkey B virus/Herpes B virus; Monkeypox; Parainfluenza virus 5; Simian foamy virus infection; Simian retrovirus type D infection; Vesicular stomatitis; Yaba monkey tumor virus	Dengue fever; Eastern equine encephalitis; Ebola virus disease (EVD); Japanese encephalitis; Monkeypox
	<i>Macaca fuscata</i>	Japanese Macaque	6 (0)	Borna disease; Cowpox; Hepatitis E; Herpes B virus infection; Monkey B virus/Herpes B virus; Simian foamy virus infection	

Annex C: Zoonotic diseases associated with CITES-listed species

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Cercopithecidae (cont)	<i>Macaca mulatta</i>	Rhesus Macaque	17 (2)	Adeno-associated virus 1 infection; Adeno-associated virus 2 infection; Cowpox; Encephalomyocarditis; Hepatitis E; Herpes B virus infection; Ilheus virus infection; Ljungan virus infection; Monkey B virus/Herpes B virus; Monkeypox; Parainfluenza virus 5; Simian foamy virus infection; Simian retrovirus type D infection; Simian virus 40 infection; Tanapox; Yaba monkey tumor virus; Zika virus	Monkeypox; Zika virus
	<i>Macaca nemestrina</i>	Pig-tailed Macaque	7 (1)	Cowpox; Dengue fever; Herpes B virus infection; Monkey B virus/Herpes B virus; Simian foamy virus infection; Simian retrovirus type D infection; St. Louis encephalitis	Dengue fever
	<i>Macaca nigra</i>	Celebes Black Macaque	1 (0)	Simian foamy virus infection	
	<i>Macaca radiata</i>	Bonnet Macaque	5 (0)	Herpes B virus infection; Kyasanur forest disease; Monkey B virus/Herpes B virus; Simian foamy virus infection; Yaba monkey tumor virus	
	<i>Macaca silenus</i>	Lion-tailed Macaque	1 (0)	Simian foamy virus infection	
	<i>Macaca sinica</i>	Toque Macaque	3 (2)	Bunyamwera fever; Dengue fever; West Nile fever	Bunyamwera fever; Dengue fever
	<i>Macaca sylvanus</i>	Barbary Ape	4 (0)	Cowpox; Encephalomyocarditis; Simian foamy virus infection; Simian virus 40 infection	
	<i>Mandrillus leucophaeus</i>	Drill	3 (1)	Ebola virus disease (EVD); Simian foamy virus infection; Simian retrovirus type D infection	Ebola virus disease (EVD)
	<i>Mandrillus sphinx</i>	Mandrill	3 (1)	Ebola virus disease (EVD); Simian foamy virus infection; Simian retrovirus type D infection	Ebola virus disease (EVD)
	<i>Miopithecus ogouensis</i>	Northern Talapoin	1 (0)	Simian retrovirus type D infection	
	<i>Miopithecus talapoin</i>	Southern Talapoin	2 (0)	Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Papio anubis</i>	Anubis Baboon	6 (1)	Bwamba fever; Ebola virus disease (EVD); Encephalomyocarditis; Simian foamy virus infection; Yaba monkey tumor virus; Yellow fever	Ebola virus disease (EVD)
	<i>Papio cynocephalus</i>	Yellow Baboon	4 (0)	Encephalomyocarditis; Influenza; Simian foamy virus infection; Simian retrovirus type D infection	
	<i>Papio hamadryas</i>	Hamadryas Baboon	4 (0)	Chikungunya; Monkey B virus/Herpes B virus; Primate T-lymphotropic virus infection; Simian foamy virus infection	
	<i>Papio papio</i>	Guinea Baboon	3 (0)	Bouboui virus infection; Chikungunya; Simian foamy virus infection	

Annex C: Zoonotic diseases associated with CITES-listed species

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Cercopithecidae (cont)	<i>Papio ursinus</i>	Chacma Baboon	8 (2)	Anthrax; Bovine tuberculosis/zoonotic tuberculosis; Chikungunya; Hepatitis A; Herpes; Simian foamy virus infection; Simian retrovirus type D infection; Tuberculosis	Anthrax; Bovine tuberculosis/zoonotic tuberculosis
	<i>Piliocolobus badius</i>	Red Colobus	3 (1)	Monkeypox; Simian foamy virus infection; Simian retrovirus type D infection	Monkeypox
	<i>Piliocolobus rufomitratus</i>	Tana River Red Colobus	1 (0)	Simian foamy virus infection	
	<i>Presbytis melalophos</i>	Mitred Leaf Monkey	1 (1)	Dengue fever	Dengue fever
	<i>Procolobus verus</i>	Olive Colobus	1 (0)	Simian retrovirus type D infection	
	<i>Pygathrix nemaeus</i>	Douc	1 (0)	Simian foamy virus infection	
	<i>Semnopithecus entellus</i>	Common Langur	1 (0)	Kyasanur forest disease	
	<i>Theropithecus gelada</i>	Gelada Baboon	1 (0)	Simian foamy virus infection	
	<i>Trachypithecus francoisi</i>	François's Langur	2 (0)	Kyasanur forest disease; Simian foamy virus infection	
	<i>Trachypithecus villosum</i>	Silvered Langur	1 (1)	Dengue fever	Dengue fever
Galagidae	<i>Galago senegalensis</i>	Lesser Bushbaby	1 (0)	Chikungunya	
	<i>Otolemur crassicaudatus</i>	Greater Bushbaby	1 (0)	Simian foamy virus infection	
Hominidae	<i>Gorilla beringei</i>	Eastern Gorilla	1 (0)	Herpes	
	<i>Gorilla gorilla</i>	Gorilla	3 (1)	Ebola virus disease (EVD); Herpes; Simian foamy virus infection	Ebola virus disease (EVD)
	<i>Pan paniscus</i>	Bonobo	3 (0)	Encephalomyocarditis; Primate T-lymphotropic virus infection; Simian foamy virus infection	
	<i>Pan troglodytes</i>	Chimpanzee	8 (2)	Bunyamwera fever; Chikungunya; Ebola virus disease (EVD); Encephalomyocarditis; Hepatitis A; Herpes; Simian foamy virus infection; Simian retrovirus type D infection	Bunyamwera fever; Ebola virus disease (EVD)
	<i>Pongo abelii</i>	Sumatran Orangutan	4 (2)	Encephalomyocarditis; Monkeypox; Simian foamy virus infection; Zika virus	Monkeypox; Zika virus
	<i>Pongo pygmaeus</i>	Bornean Orangutan	11 (4)	Dengue fever; Encephalomyocarditis; Hepatitis A; Herpes; Japanese encephalitis; Monkeypox; Picobirnavirus infection (Gastroenteritis); Simian foamy virus infection; Sinbis fever; Tembusu virus disease; Zika virus	Dengue fever; Japanese encephalitis; Monkeypox; Zika virus
Hylobatidae	<i>Hylobates lar</i>	Common Gibbon	1 (0)	Gibbon ape leukemia virus infection	
	<i>Hylobates pileatus</i>	Capped Gibbon	1 (0)	Simian foamy virus infection	
	<i>Nomascus leucogenys</i>	White-cheeked Crested Gibbon	1 (0)	Simian foamy virus infection	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Lemuridae	<i>Eulemur albifrons</i>	White-fronted Brown Lemur	1 (0)	Encephalomyocarditis	
	<i>Eulemur macaco</i>	Black Lemur	1 (0)	Encephalomyocarditis	
	<i>Lemur catta</i>	Ring-tailed Lemur	2 (0)	Encephalomyocarditis; West Nile fever	
	<i>Varecia rubra</i>	Red Ruffed Lemur	1 (0)	Encephalomyocarditis	
	<i>Varecia variegata</i>	Ruffed Lemur	1 (0)	Encephalomyocarditis	
Pitheciidae	<i>Pithecia pithecia</i>	Pale-headed Saki	1 (0)	Mayaro fever	
Proboscidea					
Elephantidae	<i>Elephas maximus</i>	Asian Elephant	3 (0)	Cowpox; Encephalomyocarditis; Rabies	
	<i>Loxodonta africana</i>	African Elephant	5 (3)	Anthrax; Cowpox; Crimean-Congo hemorrhagic fever; Encephalomyocarditis; Rift Valley fever	Anthrax; Crimean-Congo hemorrhagic fever; Rift Valley fever
Rodentia					
Chinchillidae	<i>Chinchilla lanigera</i>	Long-tailed Chinchilla	2 (1)	Monkeypox; Rabies	Monkeypox
Cuniculidae	<i>Cuniculus paca</i>	Agouti	1 (1)	Venezuelan equine encephalitis	Venezuelan equine encephalitis
Dasyproctidae	<i>Dasyprocta punctata</i>	Agouti	2 (0)	Mayaro fever; Vesicular stomatitis	
Aves					
Accipitriformes					
Pandionidae	<i>Pandion haliaetus</i>	Osprey	2 (1)	Chlamydiosis; Salmonellosis	Salmonellosis
Anatidae	<i>Branta canadensis</i>	Canada Goose	1 (0)	Chlamydiosis	
Apodiformes					
Trochilidae	<i>Amazilia amazilia</i>	Amazilia Hummingbird	1 (0)	Chlamydiosis	
	<i>Eulidia yarrellii</i>	Chilean Woodstar	1 (0)	Chlamydiosis	
Ciconiiformes					
Threskiornithidae	<i>Eudocimus ruber</i>	Scarlet Ibis	1 (1)	Salmonellosis	Salmonellosis
	<i>Platalea leucorodia</i>	Eurasian Spoonbill	1 (0)	Chlamydiosis	
Columbiformes					
Columbidae	<i>Gallicolumba luzonica</i>	Bleeding-heart Dove	1 (0)	Chlamydiosis	
Cuculiformes					
Musophagidae	<i>Tauraco erythrolophus</i>	Red-crested Turaco	1 (0)	Chlamydiosis	
Falconiformes					
Accipitridae	<i>Accipiter cooperii</i>	Cooper's Hawk	1 (0)	Chlamydiosis	
	<i>Accipiter gentilis</i>	Goshawk	1 (0)	Chlamydiosis	
	<i>Accipiter nisus</i>	Eurasian Sparrowhawk	1 (0)	Chlamydiosis	
	<i>Aegypius monachus</i>	Black Vulture	1 (0)	Chlamydiosis	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Accipitridae (cont)	<i>Aquila chrysaetos</i>	Golden Eagle	1 (0)	Chlamydiosis	
	<i>Aquila heliaca</i>	Eastern Imperial Eagle	1 (0)	Chlamydiosis	
	<i>Aquila nipalensis</i>	Steppe Eagle	1 (0)	Chlamydiosis	
	<i>Aquila pomarina</i>	Lesser Spotted Eagle	1 (0)	Chlamydiosis	
	<i>Aquila verreauxii</i>	African Black Eagle	1 (0)	Chlamydiosis	
	<i>Buteo buteo</i>	Buzzard	1 (0)	Chlamydiosis	
	<i>Buteo jamaicensis</i>	Red-tailed Hawk	1 (0)	Chlamydiosis	
	<i>Buteo lagopus</i>	Rough-legged Buzzard	1 (0)	Chlamydiosis	
	<i>Buteo lineatus</i>	Red-shouldered Hawk	1 (0)	Chlamydiosis	
	<i>Buteo regalis</i>	Ferruginous Hawk	1 (0)	Chlamydiosis	
	<i>Buteo rufinus</i>	Long-legged Buzzard	1 (0)	Chlamydiosis	
	<i>Circus aeruginosus</i>	Eurasian Marsh-Harrier	1 (0)	Chlamydiosis	
	<i>Circus cyaneus</i>	Hen Harrier	1 (0)	Chlamydiosis	
	<i>Gypaetus barbatus</i>	Bearded Vulture	1 (0)	Chlamydiosis	
	<i>Gyps fulvus</i>	Eurasian Griffon	1 (0)	Chlamydiosis	
	<i>Gyps himalayensis</i>	Himalayan Griffon	1 (0)	Chlamydiosis	
	<i>Haliaeetus albicilla</i>	Grey Sea Eagle	1 (0)	Chlamydiosis	
	<i>Haliaeetus leucocephalus</i>	Bald Eagle	1 (0)	Chlamydiosis	
	<i>Haliaeetus pelagicus</i>	Steller's Sea-Eagle	1 (0)	Chlamydiosis	
	<i>Milvus migrans</i>	Black Kite	1 (0)	Chlamydiosis	
	<i>Milvus milvus</i>	Red Kite	1 (0)	Chlamydiosis	
	<i>Neophron percnopterus</i>	Egyptian Vulture	1 (0)	Chlamydiosis	
	<i>Pernis apivorus</i>	European Honey-buzzard	1 (0)	Chlamydiosis	
	<i>Terathopius ecaudatus</i>	Bateleur	1 (0)	Chlamydiosis	
Falconidae	<i>Falco biarmicus</i>	Lanner	1 (0)	Chlamydiosis	
	<i>Falco cherrug</i>	Saker	1 (0)	Chlamydiosis	
	<i>Falco columbarius</i>	Merlin	1 (0)	Chlamydiosis	
	<i>Falco jugger</i>	Laggar Falcon	1 (0)	Chlamydiosis	
	<i>Falco mexicanus</i>	Prairie Falcon	1 (0)	Chlamydiosis	
	<i>Falco peregrinus</i>	Duck Hawk	1 (0)	Chlamydiosis	
	<i>Falco rusticolus</i>	Gyrfalcon	1 (0)	Chlamydiosis	
	<i>Falco subbuteo</i>	Eurasian Hobby	1 (0)	Chlamydiosis	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Falconidae (cont)	<i>Falco tinnunculus</i>	Common Kestrel	1 (0)	Chlamydiosis	
	<i>Milvago chimachima</i>	Yellow-headed Caracara	1 (1)	Salmonellosis	Salmonellosis
Sagittariidae	<i>Sagittarius serpentarius</i>	Secretarybird	1 (0)	Chlamydiosis	
Galliformes					
Phasianidae	<i>Colinus virginianus</i>	Bobwhite Quail	1 (0)	Chlamydiosis	
	<i>Meleagris ocellata</i>	Ocellated Turkey	1 (0)	Chlamydiosis	
	<i>Pavo cristatus</i>	Common Peafowl	1 (0)	Chlamydiosis	
Gruiformes					
Gruidae	<i>Grus canadensis</i>	Sandhill Crane	1 (0)	Chlamydiosis	
	<i>Grus grus</i>	Common Crane	1 (0)	Chlamydiosis	
Otididae	<i>Chlamydotis undulata</i>	Houbara	1 (0)	Chlamydiosis	
	<i>Tetrao tetrix</i>	Little Bustard	1 (0)	Chlamydiosis	
Passeriformes					
Emberizidae	<i>Paroaria coronata</i>	Red-crested Cardinal	1 (0)	Chlamydiosis	
Estrildidae	<i>Lonchura oryzivora</i>	Java Sparrow	1 (0)	Chlamydiosis	
Muscicapidae	<i>Leiothrix lutea</i>	Red-billed Leiothrix	1 (0)	Chlamydiosis	
	<i>Picathartes gymnocephalus</i>	Bare-headed Rockfowl	1 (0)	Chlamydiosis	
Paradisaeidae	<i>Paradisaea apoda</i>	Greater Bird-of-paradise	1 (0)	Chlamydiosis	
Sturnidae	<i>Gracula religiosa</i>	Common Hill Myna	1 (0)	Chlamydiosis	
Ramphastidae	<i>Ramphastos sulfuratus</i>	Keel-billed Toucan	1 (0)	Chlamydiosis	
	<i>Ramphastos toco</i>	Toco Toucan	1 (0)	Chlamydiosis	
	<i>Ramphastos vitellinus</i>	Channel-billed Toucan	1 (1)	Salmonellosis	Salmonellosis
Cacatuidae	<i>Cacatua galerita</i>	Greater Sulphur-crested Cockatoo	1 (0)	Chlamydiosis	
	<i>Cacatua goffiniana</i>	Goffin's Cockatoo	1 (0)	Chlamydiosis	
	<i>Cacatua haematuropygia</i>	Philippine Cockatoo	1 (0)	Chlamydiosis	
	<i>Cacatua leadbeateri</i>	Leadbeater's Cockatoo	1 (0)	Chlamydiosis	
	<i>Cacatua moluccensis</i>	Moluccan Cockatoo	1 (0)	Chlamydiosis	
	<i>Cacatua sanguinea</i>	Bare-eyed Cockatoo	1 (0)	Chlamydiosis	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Cacatuidae (cont)	<i>Cacatua sulphurea</i>	Lesser Sulphur-crested Cockatoo	1 (0)	Chlamydiosis	
	<i>Eolophus roseicapilla</i>	Galah	1 (0)	Chlamydiosis	
	<i>Probosciger aterrimus</i>	Palm Cockatoo	1 (0)	Chlamydiosis	
Loriidae	<i>Charmosyna josefinae</i>	Josephine's Lorikeet	1 (0)	Chlamydiosis	
	<i>Charmosyna pulchella</i>	Fairy Lorikeet	1 (0)	Chlamydiosis	
	<i>Charmosyna toxopei</i>	Blue-fronted Lorikeet	1 (0)	Chlamydiosis	
	<i>Eos rubra</i>	Moluccan Lory	1 (0)	Chlamydiosis	
	<i>Trichoglossus chlorolepidotus</i>	Scaly-breasted Lorikeet	1 (0)	Chlamydiosis	
	<i>Trichoglossus ornatus</i>	Ornate Lorikeet	1 (0)	Chlamydiosis	
Psittacidae	<i>Agapornis fischeri</i>	Fischer's Lovebird	1 (0)	Chlamydiosis	
	<i>Agapornis lilianae</i>	Lilian's Lovebird	1 (0)	Chlamydiosis	
	<i>Agapornis nigrigenis</i>	Black-cheeked Lovebird	1 (0)	Chlamydiosis	
	<i>Agapornis personatus</i>	Black-masked Lovebird	1 (0)	Chlamydiosis	
	<i>Agapornis taranta</i>	Abyssinian Lovebird	1 (0)	Chlamydiosis	
	<i>Alisterus amboinensis</i>	Ambon King-Parrot	1 (0)	Chlamydiosis	
	<i>Alisterus chloropterus</i>	Green-winged King-Parrot	1 (0)	Chlamydiosis	
	<i>Alisterus scapularis</i>	Australian King-Parrot	1 (0)	Chlamydiosis	
	<i>Amazona aestiva</i>	Blue-fronted Amazon	2 (0)	Chlamydiosis; E. coli infection	
	<i>Amazona albifrons</i>	White-fronted Amazon	1 (0)	Chlamydiosis	
	<i>Amazona amazonica</i>	Orange-winged Amazon	1 (0)	Chlamydiosis	
	<i>Amazona auropalliata</i>	Yellow-naped Amazon	1 (0)	Chlamydiosis	
	<i>Amazona autumnalis</i>	Red-lored Amazon	1 (0)	Chlamydiosis	
	<i>Amazona barbadensis</i>	Yellow-shouldered Amazon	1 (0)	Chlamydiosis	
	<i>Amazona farinosa</i>	Mealy Amazon	1 (0)	Chlamydiosis	
	<i>Amazona festiva</i>	Festive Amazon	1 (0)	Chlamydiosis	
	<i>Amazona finschi</i>	Lilac-crowned Amazon	1 (0)	Chlamydiosis	
	<i>Amazona leucocephala</i>	Bahamas Parrot	1 (0)	Chlamydiosis	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Psittacidae (cont)	<i>Amazona oratrix</i>	Yellow-headed Amazon	1 (0)	Chlamydiosis	
	<i>Amazona pretrei</i>	Red-spectacled Amazon	1 (0)	Chlamydiosis	
	<i>Amazona rhodocorytha</i>	Red-browed Amazon	1 (0)	Chlamydiosis	
	<i>Amazona ventralis</i>	Hispaniolan Amazon	1 (0)	Chlamydiosis	
	<i>Amazona vinacea</i>	Vinaceous Amazon	1 (0)	Chlamydiosis	
	<i>Amazona viridigenalis</i>	Green-cheeked Amazon	1 (0)	Chlamydiosis	
	<i>Amazona xanthops</i>	Yellow-faced Amazon	1 (0)	Chlamydiosis	
	<i>Anodorhynchus hyacinthinus</i>	Hyacinth Macaw	1 (0)	Chlamydiosis	
	<i>Aprosmictus erythropterus</i>	Red-winged Parrot	1 (0)	Chlamydiosis	
	<i>Aprosmictus jonquillaceus</i>	Olive-shouldered Parrot	1 (0)	Chlamydiosis	
	<i>Ara ambiguus</i>	Buffon's Macaw	1 (0)	Chlamydiosis	
	<i>Ara ararauna</i>	Blue-and-gold Macaw	2 (1)	Chlamydiosis; Salmonellosis	Salmonellosis
	<i>Ara chloropterus</i>	Green-winged Macaw	1 (0)	Chlamydiosis	
	<i>Ara macao</i>	Scarlet Macaw	1 (0)	Chlamydiosis	
	<i>Ara militaris</i>	Military Macaw	1 (0)	Chlamydiosis	
	<i>Aratinga acuticaudata</i>	Blue-crowned Conure	1 (0)	Chlamydiosis	
	<i>Aratinga aurea</i>	Golden-crowned Conure	1 (0)	Chlamydiosis	
	<i>Aratinga auricapillus</i>	Golden-capped Conure	1 (0)	Chlamydiosis	
	<i>Aratinga canicularis</i>	Orange-fronted Conure	1 (0)	Chlamydiosis	
	<i>Aratinga leucophthalma</i>	White-eyed Conure	1 (0)	E. coli infection	
	<i>Aratinga mitrata</i>	Mitred Conure	1 (0)	Chlamydiosis	
	<i>Aratinga weddellii</i>	Dusky-headed Conure	1 (0)	Chlamydiosis	
	<i>Barnardius zonarius</i>	Australian Ringneck	1 (0)	Chlamydiosis	
	<i>Bolborhynchus ferrugineifrons</i>	Rufous-fronted Parakeet	1 (0)	Chlamydiosis	
	<i>Bolborhynchus lineola</i>	Barred Parakeet	1 (0)	Chlamydiosis	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Psittacidae (cont)	<i>Brotogeris chiriri</i>	Yellow-chevroned Parakeet	2 (1)	Chlamydiosis; Salmonellosis	Salmonellosis
	<i>Brotogeris jugularis</i>	Orange-chinned Parakeet	1 (0)	Chlamydiosis	
	<i>Brotogeris pyrrhoptera</i>	Grey-cheeked Parakeet	1 (0)	Chlamydiosis	
	<i>Brotogeris sanctithomae</i>	Tui Parakeet	1 (0)	Chlamydiosis	
	<i>Brotogeris versicolorus</i>	Canary-winged Parakeet	1 (0)	Chlamydiosis	
	<i>Chalcopsitta atra</i>	Black Lory	1 (0)	Chlamydiosis	
	<i>Cyanoliseus patagonus</i>	Burrowing Parakeet	1 (0)	Chlamydiosis	
	<i>Cyanoramphus auriceps</i>	Yellow-crowned Parakeet	1 (0)	Chlamydiosis	
	<i>Cyanoramphus novaezelandiae</i>	New Zealand Parakeet	1 (0)	Chlamydiosis	
	<i>Deroptyus accipitrinus</i>	Hawk-headed Parrot	1 (0)	Chlamydiosis	
	<i>Diopsittaca nobilis</i>	Hahn's Macaw	1 (0)	Chlamydiosis	
	<i>Eclectus roratus</i>	Eclectus Parrot	1 (0)	Chlamydiosis	
	<i>Eunymphicus cornutus</i>	Horned Parakeet	1 (0)	Chlamydiosis	
	<i>Eupsittula aurea</i>	Peach-fronted parakeet	1 (1)	Salmonellosis	Salmonellosis
	<i>Forpus coelestis</i>	Celestial Parrotlet	1 (0)	Chlamydiosis	
	<i>Forpus conspicillatus</i>	Spectacled Parrotlet	1 (0)	Chlamydiosis	
	<i>Forpus passerinus</i>	Green-rumped Parrotlet	1 (0)	Chlamydiosis	
	<i>Forpus xanthops</i>	Yellow-faced Parrotlet	1 (0)	Chlamydiosis	
	<i>Forpus xanthopterygius</i>	Blue-winged Parrotlet	1 (0)	Chlamydiosis	
	<i>Graydidascalus brachyurus</i>	Short-tailed Parrot	1 (0)	Chlamydiosis	
	<i>Lathamus discolor</i>	Swift Parrot	1 (0)	Chlamydiosis	
	<i>Myiopsitta monachus</i>	Grey-breasted Parakeet	1 (0)	Chlamydiosis	
	<i>Nandayus nenday</i>	Black-headed Conure	1 (0)	Chlamydiosis	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Psittacidae (cont)	<i>Neophema elegans</i>	Elegant Grass-Parakeet	1 (0)	Chlamydiosis	
	<i>Neophema pulchella</i>	Turquoise Grass-Parakeet	1 (0)	Chlamydiosis	
	<i>Neophema splendida</i>	Scarlet-chested Parrot	1 (0)	Chlamydiosis	
	<i>Neopsephotus bourkii</i>	Bourke's Parrot	1 (0)	Chlamydiosis	
	<i>Nestor notabilis</i>	Kea	1 (0)	Chlamydiosis	
	<i>Northiella haematogaster</i>	Bluebonnet	1 (0)	Chlamydiosis	
	<i>Pionites leucogaster</i>	White-bellied Caique	1 (0)	Chlamydiosis	
	<i>Pionites melanocephalus</i>	Black-headed Caique	1 (0)	Chlamydiosis	
	<i>Pionopsitta barrabandi</i>	Barraband's Parrot	1 (0)	Chlamydiosis	
	<i>Pionus maximiliani</i>	Scaly-headed Parrot	1 (0)	Chlamydiosis	
	<i>Pionus menstruus</i>	Blue-headed Parrot	2 (1)	Chlamydiosis; Salmonellosis	Salmonellosis
	<i>Platycercus caledonicus</i>	Green Rosella	1 (0)	Chlamydiosis	
	<i>Platycercus elegans</i>	Crimson Rosella	1 (0)	Chlamydiosis	
	<i>Platycercus eximius</i>	Eastern Rosella	1 (0)	Chlamydiosis	
	<i>Platycercus icterotis</i>	Stanley Parakeet	1 (0)	Chlamydiosis	
	<i>Poicephalus gulielmi</i>	Jardine's Parrot	1 (0)	Chlamydiosis	
	<i>Poicephalus meyeri</i>	Brown Parrot	1 (0)	Chlamydiosis	
	<i>Poicephalus senegalus</i>	Senegal Parrot	1 (0)	Chlamydiosis	
	<i>Polytelis alexandrae</i>	Alexandra's Parrot	1 (0)	Chlamydiosis	
	<i>Polytelis anthopeplus</i>	Regent Parrot	1 (0)	Chlamydiosis	
	<i>Polytelis swainsonii</i>	Barraband Parakeet	1 (0)	Chlamydiosis	
	<i>Primolius maracana</i>	Blue-winged Macaw	1 (0)	Chlamydiosis	
	<i>Prioniturus platurus</i>	Golden-mantled Racquet-tail	1 (0)	Chlamydiosis	
	<i>Psephotus dissimilis</i>	Hooded Parrot	1 (0)	Chlamydiosis	
	<i>Psephotus haematonotus</i>	Red-rumped Parrot	1 (0)	Chlamydiosis	
	<i>Psephotus varius</i>	Many-coloured Parakeet	1 (0)	Chlamydiosis	
	<i>Psilopsiagon aymara</i>	Grey-hooded Parakeet	1 (0)	Chlamydiosis	

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Psittacidae (cont)	<i>Psittacula alexandri</i>	Moustached Parakeet	1 (0)	Chlamydiosis	
	<i>Psittacula cyanocephala</i>	Plum-headed Parakeet	1 (0)	Chlamydiosis	
	<i>Psittacula derbiana</i>	Derbyan Parakeet	1 (0)	Chlamydiosis	
	<i>Psittacula eupatria</i>	Alexandrine Parakeet	1 (0)	Chlamydiosis	
	<i>Psittacula finschii</i>	Grey-headed Parakeet	1 (0)	Chlamydiosis	
	<i>Psittacula longicauda</i>	Long-tailed Parakeet	1 (0)	Chlamydiosis	
	<i>Psittacus erithacus</i>	Grey Parrot	1 (0)	Chlamydiosis	
	<i>Purpureicephalus spurius</i>	Pileated Parakeet	1 (0)	Chlamydiosis	
	<i>Pyrrhura frontalis</i>	Maroon-bellied Parakeet	2 (0)	Chlamydiosis; E. coli infection	
	<i>Pyrrhura molinae</i>	Green-cheeked Conure	1 (0)	Chlamydiosis	
	<i>Pyrrhura rhodocephala</i>	Rose-crowned Conure	1 (0)	Chlamydiosis	
	<i>Trichoglossus haematodus</i>	Green-naped Lorikeet	1 (0)	Chlamydiosis	
	Rheiformes				
Rheidae	<i>Rhea americana</i>	Common Rhea	1 (0)	Chlamydiosis	
	Strigiformes				
Strigidae	<i>Aegolius acadicus</i>	Northern Saw-whet Owl	1 (0)	Chlamydiosis	
	<i>Asio flammeus</i>	Short-eared Owl	1 (0)	Chlamydiosis	
	<i>Asio otus</i>	Long-eared Owl	1 (0)	Chlamydiosis	
	<i>Athene cunicularia</i>	Burrowing Owl	1 (0)	Chlamydiosis	
	<i>Athene noctua</i>	Little Owl	1 (0)	Chlamydiosis	
	<i>Bubo bubo</i>	Eagle Owl	1 (0)	Chlamydiosis	
	<i>Bubo virginianus</i>	Great Horned Owl	1 (0)	Chlamydiosis	
	<i>Glaucidium radiatum</i>	Barred Jungle Owlet	1 (0)	Chlamydiosis	
	<i>Nyctea scandiaca</i>	Snowy Owl	1 (0)	Chlamydiosis	
	<i>Otus asio</i>	Eastern Screech-Owl	1 (0)	Chlamydiosis	
	<i>Strix aluco</i>	Tawny Owl	1 (0)	Chlamydiosis	
	<i>Strix virgata</i>	Mottled Owl	1 (1)	Salmonellosis	Salmonellosis
Tytonidae	<i>Tyto alba</i>	Barn Owl	1 (0)	Chlamydiosis	
	Struthioniformes				
Struthionidae	<i>Struthio camelus</i>	Ostrich	3 (2)	Anthrax; Botulism; Chlamydiosis	Anthrax; Botulism

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Reptilia					
Crocodylia					
Alligatoridae	<i>Caiman crocodilus</i>	Brown Caiman	1 (1)	Salmonellosis	Salmonellosis
	<i>Caiman latirostris</i>	Broad-nosed Caiman	1 (0)	Leptospirosis	
Crocdylidae	<i>Crocodylus acutus</i>	American Crocodile	1 (0)	Leptospirosis	
	<i>Crocodylus johnstoni</i>	Australian Fresh-water Crocodile	1 (0)	Mycobacterium szulgai infection	
	<i>Crocodylus moreletii</i>	Belize Crocodile	1 (0)	Leptospirosis	
	<i>Crocodylus niloticus</i>	African Crocodile	2 (0)	Chlamydia; Trichinosis/Trichinellosis	
	<i>Crocodylus porosus</i>	Estuarine Crocodile	1 (0)	Chlamydia	
Sauria					
Gekkonidae	<i>Phelsuma ornata</i>	Ornate Day Gecko	1 (1)	Salmonellosis	Salmonellosis
Agamidae	<i>Saara hardwickii</i>	Hardwick's Spiny-tailed Lizard	1 (0)	Leptospirosis	
Agamidae	<i>Uromastyx dispar</i>	Southern Saharan spiny-tailed lizard	1 (0)	Leptospirosis	
Chamaeleonidae	<i>Chamaeleo calyptratus</i>	Veiled Chameleon	1 (1)	Salmonellosis	Salmonellosis
	<i>Chamaeleo dilepis</i>	Flap-necked Chameleon	1 (0)	Chlamydia	
Iguanidae	<i>Iguana iguana</i>	Common Iguana	8 (1)	Chlamydia; Dermatophytosis/ringworm; Leptospirosis; Mesocestoides infection; Pentastomiasis; Plesiomonas infection; Salmonellosis; Yersiniosis	Salmonellosis
Teiidae	<i>Tupinambis teguixin</i>	Banded Tegu	1 (1)	Salmonellosis	Salmonellosis
Varanidae	<i>Varanus acanthurus</i>	Goanna Monitor	1 (1)	Salmonellosis	Salmonellosis
Serpentes					
Boidae	<i>Boa constrictor</i>	Ampalagua	1 (1)	Salmonellosis	Salmonellosis
	<i>Corallus caninus</i>	Emerald Tree Boa	1 (1)	Salmonellosis	Salmonellosis
	<i>Corallus cookii</i>	Cook's Tree Boa	1 (1)	Salmonellosis	Salmonellosis
	<i>Epicrates maurus</i>	Brown rainbow boa	1 (1)	Salmonellosis	Salmonellosis
	<i>Eryx johnii</i>	Blunt-tailed Sand Boa	1 (0)	Leptospirosis	
	<i>Eunectes murinus</i>	Anaconda	2 (1)	Leptospirosis; Salmonellosis	Salmonellosis
	<i>Gongylophis conicus</i>	Baby Python	1 (0)	Leptospirosis	
Pythonidae	<i>Python bivittatus</i>	Burmese python	2 (1)	Chlamydia; Salmonellosis	Salmonellosis
	<i>Python molurus</i>	Asiatic Rock Python	1 (0)	Mycobacterium genavense infection	
	<i>Python regius</i>	Ball Python	1 (1)	Salmonellosis	Salmonellosis
	<i>Python sebae</i>	African Python	1 (0)	Strongyloidiasis	

Annex C: Zoonotic diseases associated with CITES-listed species

Family	Taxon	Common name	No of diseases (no of high-risk diseases)	Zoonotic diseases	High-risk zoonotic diseases
Viperidae	<i>Crotalus durissus</i>	Cascabel	2 (1)	Leptospirosis; Salmonellosis	Salmonellosis
Squamata					
Varanidae	<i>Varanus beccarii</i>	Black Tree Monitor	1 (1)	Salmonellosis	Salmonellosis
Testudines					
Cheloniidae	<i>Chelonia mydas</i>	Green Turtle	2 (0)	Chlamydia; Leptospirosis	
	<i>Eretmochelys imbricata</i>	Hawksbill Turtle	1 (0)	Leptospirosis	
Chelydridae	<i>Chelydra serpentina</i>	Common snapping turtle	1 (0)	Leptospirosis	
Emydidae	<i>Emydoidea blandingii</i>	Blandingâ€™s Turtle	1 (0)	Leptospirosis	
	<i>Terrapene carolina</i>	Common Box Turtle	1 (0)	Leptospirosis	
Geoemydidae	<i>Siebenrockiella crassicollis</i>	Black Marsh Turtle	1 (1)	Salmonellosis	Salmonellosis
Podocnemididae	<i>Podocnemis expansa</i>	Arrau	1 (0)	Leptospirosis	
Testudinidae	<i>Chelonoidis carbonarius</i>	Red-footed Tortoise	1 (1)	Salmonellosis	Salmonellosis
	<i>Chelonoidis denticulatus</i>	Brazilian Giant Tortoise	1 (1)	Salmonellosis	Salmonellosis
	<i>Stigmochelys pardalis</i>	Leopard Tortoise	1 (1)	Salmonellosis	Salmonellosis
	<i>Testudo graeca</i>	Algerian Tortoise	2 (0)	Chlamydia; Leptospirosis	
	<i>Testudo hermanni</i>	Hermann's Tortoise	1 (0)	Leptospirosis	

Annex D: Full trade summaries by taxonomic family

The following three table outputs summarise CITES trade in families² associated with zoonotic diseases, traded by number of individuals (live, skins, skulls, bodies, trophies) (Table D1), by number of commodities that do not equate to whole individuals (e.g. feathers, medicine) (Table D2), and by weight in kilogrammes (Table D3). Trade summaries are based on data downloaded from the CITES Trade Database (trade.cites.org) on 10 November 2020.

Each table contains the following information:

- The higher taxonomy of the family;
- The number of zoonotic diseases found to be associated with one or more taxa in the family;
- The total quantity by number of items (Tables D1 and D2) or by weight (Table D3) based on gross exports 2009-2018 (column “family quantity”);
- The number of transactions (based on (re-)exporter-reported trade) and quantity (based on gross exports) in the family-term combination;
- All sources, exporters, importers and trade routes that accounted for over 5% of the quantity trade in each family-term combination; and
- The top two CITES taxa reported in trade (by quantity) for each family-term combination.

² CITES-listed taxa named in the source papers were mapped to CITES higher taxonomy using Species+.

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Table D1: Overview of trade in CITES families associated with at least one zoonotic disease, for trade reported by number of items that can be equated to an individual, 2009-2018. Quantity by number of items in trade (ranked in order of overall quantity of the family; terms ranked within each family by quantity)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Reptiles	Crocodylia	Alligatoridae	1	12,579,417	skins	59,480	12,512,581 (99.5%)	C (53.4%); W (43.3%)	CO (51.8%); US (35.6%); BO (5.5%)	MX (22.4%); SG (18.8%); FR (13.3%); IT (11.9%); TH (9.1%); DE (5.6%)	CO-MX (17.4%); US-FR (13.1%); CO-SG (10.2%); US-SG (8.4%); CO-TH (8.1%); US-IT (7.6%)	<i>Caiman crocodilus fuscus</i> (51.9%); <i>Alligator mississippiensis</i> (35.7%)
Reptiles	Serpentes	Pythonidae	4	7,856,296	skins	21,711	6,181,188 (78.7%)	W (55.9%); C (43.9%)	VN (34.5%); ID (33.2%); MY (22.4%); LA (7.7%)	SG (43.6%); IT (12.3%); CN (8.4%); DE (6.6%)	ID-SG (18.8%); VN-SG (15.3%); MY-SG (7%); VN-DE (5.8%); VN-IT (5.4%); ID-IT (5.3%)	<i>Python reticulatus</i> (63.5%); <i>Python bivittatus</i> (25%)
					live	19,911	1,674,803 (21.3%)	R (69.1%); C (18.9%); W (7.7%)	TG (37.5%); GH (24.5%); BJ (13.6%); ID (9.6%); US (9.2%)	US (50.7%); HK (5.3%)	TG-US (25%); GH-US (11%); BJ-US (7.7%); ID-US (5.9%)	<i>Python regius</i> (85.5%); <i>Morelia viridis</i> (3.3%)
Reptiles	Crocodylia	Crocodylidae	10	5,599,809	skins	45,788	4,678,824 (83.6%)	R (41.9%); C (35.8%); D (14.6%); W (7.2%)	ZW (25.9%); ZA (17.8%); ZM (11.1%); AU (9.2%); TH (6.7%); PG (6.5%); MZ (6.5%)	SG (32%); FR (17%); JP (14.6%); IT (8.6%)	ZW-FR (9%); ZM-SG (8.3%); ZW-SG (7.9%)	<i>Crocodylus niloticus</i> (65.5%); <i>Crocodylus porosus</i> (16.9%)
					live	1,106	797,652 (14.2%)	D (71.3%); R (23.4%); C (5.3%)	VN (38.9%); MZ (26.8%); KH (21.1%); TH (10.4%)	CN (50.9%); ZA (18.5%); TH (16.9%); ZW (8%)	VN-CN (38.9%); MZ-ZA (18.3%); KH-TH (16.1%); TH-CN (10%); MZ-ZW (8%)	<i>Crocodylus siamensis</i> (69.9%); <i>Crocodylus niloticus</i> (27.5%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Reptiles	Sauria	Varanidae	4	5,351,063	skins	8,526	4,673,499 (87.3%)	W (98.6%)	ID (74.8%); MY (16.8%); ML (5.1%)	SG (46.2%); IT (9.3%); FR (7.5%); JP (7.3%); MX (7.1%); CN (5.6%)	ID-SG (36.4%); MY-SG (9.8%); ID-IT (8.9%); ID-MX (6.6%); ID-JP (6.1%); ID-CN (5.3%)	<i>Varanus salvator</i> (91.7%); <i>Varanus niloticus</i> (8.3%)
									TG (24.1%); GH (23.3%); ID (19.9%); BJ (14.2%); MY (7.8%)	US (53.9%); HK (7.3%); JP (6.6%)	TG-US (17.2%); GH-US (13.1%); ID-US (12.1%); BJ-US (9.1%); MY-HK (7.1%)	
Birds	Psittaciformes	Psittacidae	5	4,912,999	live	89,858	4,911,908	C (78.4%); (100%) W (17.4%)	ZA (44.1%); UY (11.9%); NL (6.3%); CU (6.1%); CZ (5.8%)	MX (15.7%); ID (10.2%); PK (9.4%); OM (8.3%); BD (5.5%); AE (5.4%)	UY-MX (11.4%); ZA-OM (7.3%); ZA-PK (7.2%); ZA-BD (5.2%)	<i>Agapornis fischeri</i> (19.6%); <i>Psittacus erithacus</i> (14.1%)
Reptiles	Testudines	Podocnemididae	1	3,607,380	live	647	3,607,016	R (76.2%); (100%) F (12.8%); C (10.8%)	PE (99.7%)	HK (62.5%); CN (36.6%)	PE-HK (62.5%); PE-CN (36.6%)	<i>Podocnemis unifilis</i> (99.9%); <i>Podocnemis vogli</i> (0.1%)
Reptiles	Testudines	Testudinidae	3	2,998,419	live	15,860	2,998,133	C (54.3%); (100%) W (19.8%); R (12.8%); F (9.7%)	UZ (31.4%); ZM (10.9%); SV (5.5%); SI (5.3%); JO (5.2%)	HK (29.1%); US (13.4%); IT (8.4%); JP (7.5%); CN (6.7%); GB (6.6%); DE (5.7%)	UZ-US (9.3%); UZ-IT (6.3%); ZM-HK (6.1%)	<i>Testudo horsfieldii</i> (34.1%); <i>Stigmochelys pardalis</i> (18.5%)
Reptiles	Sauria	Iguanidae	8	2,711,099	live	3,578	2,709,600	C (97.4%); (99.9%)	SV (93.6%)	US (36.9%); MX (22.8%); HK (13.5%)	SV-US (32.7%); SV-MX (22.6%); SV-HK (13.4%)	<i>Iguana iguana</i> (99.9%); <i>Iguana</i> spp. (0.1%)
Reptiles	Testudines	Geoemydidae	2	2,617,232	live	6,354	2,617,111	C (63.9%); (100%) W (16.6%); Unspecified (16.2%)	CN (75.5%); ID (12.5%)	IT (31.6%); DE (24.9%); CN (8.2%); CZ (5.9%); KR (5.7%); PT (5.4%)	CN-IT (28.8%); CN-DE (23.3%); ID-CN (6.8%); CN-CZ (5.9%); CN-KR (5.6%)	<i>Mauremys reevesii</i> (44%); <i>Mauremys sinensis</i> (37.1%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Percentages by term												
Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Exporters	Importers	Trade route	Taxa
Reptiles	Testudines	Emydidae	2	2,294,003	live	1,959	2,294,002 (100%)	W (49.3%); C (29%); (17.6%)	US (62.6%); CN (37.2%)	IT (26.2%); PT (25.1%); DE (11%); MX (6.5%); HK (5.8%); CZ (5.3%)	US-PT (19.8%); CN-IT (19.1%); CN-DE (9.5%); US-IT (7.1%); US-MX (6.5%); US-HK (5.7%); US-CZ (5.3%); CN-PT (5.3%)	<i>Graptemys pseudogeographica</i> (<i>80.8%</i>); <i>Graptemys ouachitensis</i> (10.1%)
Reptiles	Testudines	Chelydridae	1	1,111,925	live	276	1,111,924 (100%)	F (52%); W (35.3%); C (12.7%)	US (100%)	CN (69.9%); HK (18.9%); MO (10.3%)	US-CN (69.9%); US-HK (18.9%); US-MO (10.3%)	<i>Chelydra serpentina</i> (65.7%); <i>Macrochelys temminckii</i> (34.3%)
Reptiles	Serpentes	Colubridae	3	863,904	live	1,812	551,577 (63.8%)	C (72.9%); W (13.6%); F (12%)	ID (81.2%); LA (15.3%)	CN (66.2%); VN (16.5%); HK (16.3%)	ID-CN (62.8%); ID-HK (16.3%); LA-VN (15.3%)	<i>Ptyas mucosus</i> (99.5%); <i>Xenochrophis piscator</i> (0.3%)
						skins	535	312,153 (36.1%)	W (95%)	ID (98%)	SG (47.3%); IT (32.7%); BR (11.2%)	ID-SG (47.3%); ID-IT (32.3%); ID-BR (11.2%)
Mammals	Carnivora	Felidae	47	643,965	skins	13,719	587,586 (91.2%)	W (99%)	US (73.3%); CA (25.8%)	CA (46.9%); GR (23.5%); US (6.3%)	US-CA (46.8%); US-GR (15.2%); CA-GR (8.3%); CA-US (6%)	<i>Lynx rufus</i> (75.9%); <i>Lynx canadensis</i> (22.8%)
Reptiles	Sauria	Chamaeleonidae	2	623,195	live	12,559	622,006 (99.8%)	W (41.4%); C (39.4%); R (16.1%)	MG (18.1%); TZ (13.5%); CZ (12.2%); KE (10.9%); TG (9.9%); UA (8.2%); BJ (7.2%); TH (5.3%)	US (40.7%); JP (12.8%); HK (12.1%); DE (7.4%)	MG-US (7.3%); TG-US (6.8%); TZ-US (5.5%); CZ-US (5.4%)	<i>Chamaeleo calyptratus</i> (25.1%); <i>Chamaeleo senegalensis</i> (12.7%)
Mammals	Primates	Cercopithecidae	51	575,766	live	7,295	539,101 (93.6%)	C (66.3%); F (28.8%)	CN (45.3%); MU (17%); KH (16.7%); VN (10.5%)	US (51.8%); JP (11.5%); CN (10.9%)	CN-US (35.2%); MU-US (6.8%); KH-CN (6%); KH-US (5.6%)	<i>Macaca fascicularis</i> (90.7%); <i>Macaca mulatta</i> (5.2%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Mammals	Carnivora	Canidae	46	561,926	skins	5,849	546,422 (97.2%)	W (99%)	AR (92.3%)	TR (53.3%); IT (15.9%); CN (5.9%)	AR-TR (53.3%); AR-IT (15.9%); AR-CN (5.7%)	<i>Lycalopex griseus</i> (64.2%); <i>Lycalopex gymnocercus</i> (28.1%)
Mammals	Carnivora	Mustelidae	28	381,945	skins	2,276	377,232 (98.8%)	W (98.1%)	US (53.6%); CA (43.2%)	CN (34%); CA (33.4%); HK (10.6%); GR (8.4%); US (6.2%)	US-CA (33.4%); CA-CN (24.5%); US-CN (9.5%); US-HK (7.9%); CA-GR (7.3%); CA-US (6.2%)	<i>Lontra canadensis</i> (96.4%); <i>Mustela sibirica</i> (3.1%)
Mammals	Artiodactyla	Tayassuidae	1	348,546	skins	797	348,408 (100%)	W (99.9%)	PE (99.9%)	IT (59.3%); DE (27.6%)	PE-IT (59.3%); PE-DE (27.6%)	<i>Pecari tajacu</i> (84.5%); <i>Tayassu pecari</i> (15.5%)
Reptiles	Serpentes	Boidae	2	249,733	live	9,598	212,651 (85.2%)	C (53.2%); W (38.5%)	CO (25.5%); GY (14.6%); US (11.1%); ID (10.3%); SR (9.5%); NI (8.9%)	US (63.1%); JP (5.5%)	CO-US (25%); GY-US (10.7%); ID-US (7%); SR-US (6.3%); NI-US (5.9%)	<i>Boa constrictor</i> (53.8%); <i>Corallus hortulanus</i> (10.7%)
					skins	110	36,820 (14.7%)	W (99.9%)	AR (87.9%); PY (11.7%)	DE (71.3%); IT (25.2%)	AR-DE (59.7%); AR-IT (25.2%); PY-DE (11.7%)	<i>Eunectes notaeus</i> (99.6%); <i>Eunectes murinus</i> (0.2%)
Birds	Passeriformes	Estrildidae	2	223,974	live	914	223,968 (100%)	C (99%)	CU (60%); TW (12.7%); NL (7.8%); CZ (5.9%)	MX (36.6%); JP (10.8%); GT (10.6%); AE (9.3%); PA (8.3%)	CU-MX (36.6%); CU-GT (10.6%); TW-JP (8.9%); CU-PA (8.3%)	<i>Lonchura oryzivora</i> (99.8%); <i>Poephila cincta cincta</i> (0.1%)
Reptiles	Sauria	Gekkonidae	2	159,868	live	5,703	159,652 (99.9%)	W (90%); C (9%)	MG (82.1%); TZ (8.7%)	US (39.8%); JP (13.4%); HK (6.5%); DE (6.5%); NL (5.9%)	MG-US (32.1%); MG-JP (11.5%); MG-HK (6.1%)	<i>Phelsuma lineata</i> (16.6%); <i>Phelsuma quadriocellata</i> (13%)
Reptiles	Sauria	Agamidae	2	156,739	live	1,752	156,637 (99.9%)	W (56.2%); C (22.5%); Unspecified (11.8%); F (5.5%)	ML (59%); SD (14.4%); JO (9%)	US (29.2%); GH (26.8%); JP (7.9%); HK (6.8%)	ML-GH (26%); ML-US (15%)	<i>Uromastyx geyri</i> (39.2%); <i>Uromastyx dispar</i> (14.9%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Birds	Psittaciformes	Cacatuidae	1	143,364	live	11,435	143,282 (99.9%)	C (91.2%); W (5.9%)	ZA (78.5%); SB (6.2%)	OM (17.1%); QA (10.2%); AE (9.7%); PK (9.3%); JO (5.9%); SA (5.2%); BH (5.2%)	ZA-OM (15.4%); ZA-QA (10%); ZA-PK (8.3%); ZA-AE (7.5%); ZA-JO (5.4%); ZA-SA (5.2%)	<i>Eolophus roseicapilla</i> (<i>Cacatua alba</i> (24%))
Mammals	Carnivora	Ursidae	15	142,623	trophies	5,136	84,432 (59.2%)	W (99.4%)	CA (93.6%)	US (89.1%)	CA-US (87.9%)	<i>Ursus americanus</i> (92.2%); <i>Ursus arctos</i> (7%)
						skins	22,229	32,893 (23.1%)	CA (96.9%)	US (57.2%); CN (6.6%); DE (5.5%)	CA-US (56.6%); CA-CN (6.5%); CA-DE (5.3%)	<i>Ursus americanus</i> (85.7%); <i>Ursus arctos</i> (7%)
						skulls	16,029	20,022 (14%)	CA (98%)	US (60.5%); DE (6%)	CA-US (60.4%); CA-DE (5.9%)	<i>Ursus americanus</i> (90.4%); <i>Ursus arctos</i> (7%)
Birds	Gruiformes	Otididae	1	104,156	live	484	104,033 (99.9%)	C (68.9%); F (19.4%); R (9%)	AE (70.1%); MA (27.5%)	KZ (26.8%); AE (20.8%); PK (11.6%); SA (10.5%); JO (10.3%); AE-SA (9.5%); DZ (5.3%)	AE-KZ (26.7%); MA-AE (18.8%); AE-PK (11.6%); AE-JO (10.3%); AE-SA (9.5%)	<i>Chlamydotis macqueenii</i> (<i>Chlamydotis undulata</i> (15.8%))
Birds	Falconiformes	Falconidae	3	90,821	live	64,550	90,314 (99.4%)	C (75.9%); D (16.8%)	GB (24.6%); ES (16.8%); DE (13.4%); AT (7.2%); AE (7.1%)	AE (69.6%); QA (8.5%)	GB-AE (21.3%); ES-AE (14.6%); DE-AE (10.8%); AT-AE (6.1%)	<i>Falco hybrid</i> (<i>Falco rusticola</i> (26.3%))
Birds	Psittaciformes	Loriidae	1	69,170	live	3,716	69,081 (99.9%)	C (77.8%); W (19.8%)	ZA (47.2%); SB (21.7%); ID (9.9%)	PK (15.5%); BD (12.4%); OM (10.5%); XV (9.1%)	ZA-PK (11.5%); ZA-BD (9.6%); SB-XV (9.1%)	<i>Trichoglossus haematodus</i> (<i>Lorius chlorocercus</i> (11.1%))

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term											
									Exporters	Importers	Trade route	Taxa								
Mammals	Proboscidea	Elephantidae	9	44,753	skins	1,252	35,494 (79.3%)	W (98.4%)	ZW (86.4%); ZA (11.4%)	US (33.9%); MX (21.5%); JP (12.2%); ZA (10.3%); CN (7.4%); KR (7%)	ZW-US (32.2%); ZW-MX (20.3%); ZW-JP (12.2%); ZW-ZA (9.5%); ZW-CN (7.4%); ZA-KR (7%)	<i>Loxodonta africana</i> ($>99.9\%$); <i>Elephas maximus</i> ($<0.1\%$)								
Reptiles	Serpentes	Viperidae	2	44,180	skins	67	43,708 (98.9%)	Unspecified (53.6%); W (46.4%)	TH (99.9%)	IT (99.6%)	TH-IT (99.6%)	<i>Daboia russelii</i> ($>99.9\%$); <i>Crotalus durissus</i> ($<0.1\%$)								
Mammals	Artiodactyla	Bovidae	64	39,084	trophies	17,170	24,407 (62.4%)	W (73.2%); F (20.7%)	ZA (41%); AR (15.7%); MX (10.4%); KG (7.7%)	US (51.9%); ES (6%)	ZA-US (21.9%); AR-US (8.6%); MX-US (6.2%)	<i>Kobus leche</i> (30.2%); <i>Antilope cervicapra</i> (16.8%)								
Mammals	Primates	Cebidae	20	32,294	live	2,494	30,058 (93.1%)	C (56%); W (40%)	ZA (49.1%); GY (33.5%); SR (7.7%)	CN (28.1%); TH (17.5%); BD (11.4%); US (10.4%)	GY-CN (21.1%); ZA-TH (13%); ZA-BD (10.8%); ZA-US (5.2%)	<i>Saimiri sciureus</i> (31.4%); <i>Callithrix jacchus</i> (30.7%)								
Mammals	Perissodactyla	Equidae	56	29,349	skins	12,097	19,644 (66.9%)	W (98.7%)	ZA (5.3%)	DE (24.2%); US (16.7%); ZA (12.1%); AT (6%); DK (5.1%)	NA-DE (23.9%); NA-US (14.2%); NA-ZA (12.1%); NA-AT (6%)	<i>Equus zebra</i> ($hartmannae$ (99.9%); <i>Equus zebra</i> ($zebra$ (0.1%))								
									ZA (10.5%)	US (56.9%); DE (7.7%)	NA-US (50.6%); NA-DE (7.4%); ZA-US (6.3%)	<i>Equus zebra</i> ($hartmannae$ (99.8%); <i>Equus zebra</i> ($zebra$ (0.2%))								

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Birds	Gruiformes	Gruidae	1	23,121	trophies	16	18,708 (80.9%)	W (99.6%)	CA (99.9%)	US (99.9%)	CA-US (99.9%)	<i>Grus canadensis</i> (99.9%); <i>Balearica regulorum</i> (0.1%)
Mammals	Artiodactyla	Hippopotamidae	7	17,140	skins	423	8,711 (50.8%)	W (99.9%)	ZW (69.3%); ZM (11.5%); ZA (11.3%); MZ (6.8%)	US (32.1%); MX (31%); ZA (16.8%); ZW (9.7%)	ZW-MX (28.9%); ZW-US (24.7%); ZW-ZA (8.6%); ZM-ZA (7.9%); ZA-US (7%); MZ-ZW (6.6%)	<i>Hippopotamus</i> spp.
Birds	Rheiformes	Rheidae	1	14,456	skins	3	13,089 (90.5%)	C (100%)	UY (99.5%)	BR (91.7%); IT (8.3%)	UY-BR (91.7%); UY-IT (7.9%)	<i>Rhea americana</i> (100%)
Birds	Piciformes	Ramphastidae	1	13,115	live	1,472	12,964 (98.8%)	W (63.1%); C (35.1%)	GY (32.7%); SR (30.9%); ZA (25.4%)	CN (13%); QA (12%); AE (7.4%); TR (6.1%); OM (6.1%)	ZA-QA (11.8%); GY-CN (6.9%); SR-OM (5.2%)	<i>Ramphastos toco</i> (35.8%); <i>Ramphastos vitellinus</i> (20.5%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			Taxa
									Exporters	Importers	Trade route	
Amphibians	Anura	Bufoidae	1	13,001	live	17	12,910 (99.3%)	F (84.4%); C (15.5%)	US (99.9%)	TZ (99.1%)	US-TZ (99.1%)	<i>Nectophrynoides asperginis</i> (99.1%); <i>Atelopus zeteki</i> (0.8%)
Birds	Galliformes	Phasianidae	1	11,656	live	752	7,812 (67%)	C (77.1%); F (21.2%)	NL (30.6%); US (23.7%); BE (21.3%)	AE (20.2%); MX (10.6%); KW (10.4%); QA (8.7%)	NL-AE (10.6%); US-MX (10.5%); US-KW (7.8%); BE-AE (7.5%)	<i>Pavo cristatus</i> (42.9%); <i>Colinus virginianus ridgwayi</i> (10%)
					trophies	1,540	3,562 (30.6%)	W (95.1%)	MX (97.4%)	US (65.9%); XX (32.3%)	MX-US (64.1%); MX-XX (32.3%)	<i>Meleagris ocellata</i> (99%); <i>Pavo cristatus</i> (1%)
Amphibians	Anura	Microhylidae	1	8,834	live	239	8,834 (100%)	W (60.5%); C (38.2%)	MG (60.5%); CZ (28.4%); DE (9.5%)	US (34.2%); JP (21.2%); HK (19.9%); TW (7.5%)	MG-US (26.2%); CZ-HK (16.5%); MG-JP (14.7%); DE-US (7.9%); CZ-TW (6%); CZ-JP (5.3%)	<i>Dyscophus guineti</i> (45.5%); <i>Scaphiophryne gottlebei</i> (27.5%)
Birds	Strigiformes	Strigidae	1	8,616	live	4,276	7,901 (91.7%)	C (66.3%); W (30.5%)	GB (34.7%); BE (23.1%); UZ (22.2%)	JP (81.7%)	GB-JP (33.3%); UZ-JP (21.9%); BE-JP (21.1%)	<i>Ptilopsis leucotis</i> (16%); <i>Athene noctua</i> (10.5%)
					bodies	356	476 (5.5%)	W (44.3%); C (43.1%); O (6.5%)	DK (14.9%); ZA (14.3%); CA (12.8%); DE (10.7%); CH (7.1%); GB (5.7%); BR (5.3%)	US (35.7%); NO (21.8%); NZ (6.7%); CH (6.1%)	DK-NO (14.7%); CA-US (5.9%); ZA-NZ (5.9%); DE-CH (5.7%); BR-US (5.3%)	<i>Nyctea scandiaca</i> (15.1%); <i>Bubo bubo</i> (11.1%)
Birds	Falconiformes	Accipitridae	1	7,080	live	2,834	5,856 (82.7%)	C (63.9%); W (24.4%); F (6.8%)	GB (14.1%); ES (12.1%); NL (11.4%); BE (9%); UZ (7%); ZA (5.4%)	JP (28.2%); CH (12.8%); US (6%); TH (5.2%); TW (5.1%)	NL-CH (10.6%); GB-JP (9.1%); BE-JP (6.9%); UZ-JP (6.7%)	<i>Accipiter gentilis</i> (26.7%); <i>Parabuteo unicinctus</i> (18.1%)
					trophies	138	444 (6.3%)	W (83.6%); C (13.5%)	CA (46.4%); ZA (31.3%); MZ (10.6%)	US (66.7%); CN (7.4%); CH (6.8%); NZ (6.5%)	CA-US (43.9%); MZ-US (10.6%); ZA-NZ (6.5%); ZA-CN (6.1%); ZA-CH (5.6%)	<i>Aquila chrysaetos</i> (28.8%); <i>Haliaeetus leucocephalus</i> (14.6%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Birds	Falconiformes	Accipitridae (cont)			bodies	259	409 (5.8%)	W (68.9%); C (14.7%); O (7.6%)	ZA (21.5%); MZ (11%); CA (9.3%); CH (6.1%); DE (5.4%)	US (43.5%); CN (9.3%); NZ (8.1%); DK (5.4%); CH (5.1%)	MZ-US (11%); ZA-NZ (7.6%); ZA-US (5.1%); GL-DK (5.1%)	<i>Buteo buteo</i> (9.8%); <i>Haliaeetus albicilla</i> (8.3%)
Birds	Cuculiformes	Musophagidae	1	6,992	live	516	6,862 (98.1%)	W (49.7%); C (24.9%); Unspecified (24.1%)	TZ (22.1%); NG (18.2%); ZA (14.6%); ML (10.8%); GH (6.7%); GN (6.3%)	BH (18.2%); IL (14.8%); ZA (7.8%); MY (5.4%)	NG-BH (18.2%); ZA-IL (10.6%)	<i>Tauraco persa</i> (34.1%); <i>Musophagidae</i> spp. (18.2%)
Birds	Passeriformes	Sturnidae	1	4,940	live	345	4,920 (99.6%)	C (74.4%); Unspecified (19.3%); W (5.5%)	SG (24.1%); BH (22.9%); ID (18%); MY (14.9%); ZA (5.8%)	AE (28%); KW (17.3%); ID (7.4%); PK (6.3%); JP (5.9%)	SG-KW (16.3%); MY-AE (14.1%); BH-AE (12.3%); SG-JP (5.9%); ZA-ID (5.1%)	<i>Gracula religiosa</i> (89.7%); <i>Leucopsar rothschildi</i> (8.3%)
Mammals	Cetacea	Delphinidae	3	4,411	live	407	3,361 (76.2%)	C (56.3%); W (40.8%)	TW (51.5%); JP (30.5%); CU (5.1%)	JP (51.5%); CN (25.1%)	TW-JP (51.5%); JP-CN (20.6%)	<i>Orcaella brevirostris</i> (51.5%); <i>Tursiops truncatus</i> (36.1%)
					skins	31	818 (18.5%)	W (75.8%); X (6.1%); C (6.1%); O (6.1%); Unspecified (5.9%)	ZA (29.8%); FR (24.6%); US (17%); ZZ (12.2%); TH (9.8%)	BR (22.7%); GB (20%); DK (18%); CN (9.9%); HK (9.8%); NZ (7.9%); ZA (6.1%); ZZ-ZA (6.1%); US (5.3%)	FR-BR (22.7%); ZA-GB (20%); US-DK (17%); CN (9.9%); ZA-HK (9.8%); HK (9.8%); NZ (7.9%); ZZ-ZA (6.1%); US (5.3%)	<i>Tursiops truncatus</i> (24%); <i>Orcinus orca</i> (16.3%)
Birds	Apodiformes	Trochilidae	1	4,253	bodies	363	3,470 (81.6%)	W (95.9%)	BR (45.9%); GT (41.7%)	US (59.6%); DE (35.2%)	GT-US (41.7%); BR-DE (35.2%); BR-US (9.6%)	<i>Florisuga fusca</i> (19.6%); <i>Phaethornis superciliosus</i> (8.9%)
					live	51	572 (13.4%)	W (76.2%); C (15.7%)	PE (43.7%); TT (20.8%); CR (14.5%); DE (7.7%); US (6.8%)	US (66.8%); JP (9.8%); CH (6.3%); DE (5.4%); CR (5.2%)	PE-US (28.7%); TT-US (18.7%); CR-US (14.5%); PE-JP (9.8%); US-CR (5.2%)	<i>Phaethornis longirostris</i> (14.5%); <i>Amazilia amazilia</i> (14.5%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term				Taxa							
									Exporters	Importers	Trade route									
Mammals	Perissodactyla	Rhinocerotidae	10	3,927	live	486	2,105 (53.6%)	W (77.8%); C (11.7%)	ZA (83.4%)	CN (13.8%); BW (10.4%)	ZA-NA (39.7%); ZA-CN (13.1%); ZA-BW (9.9%)	<i>Ceratotherium simum</i> <i>simum</i> (53.3%); <i>Ceratotherium simum</i> (34.9%)								
										US (28.6%); RU (11%); CN (7.5%); VN (7.3%)	ZA-US (27.2%); ZA-RU (10.1%); ZA-VN (7.3%); ZA-CN (6.2%)									
Mammals	Cetacea	Balaenopteridae	1	3,739	bodies	15	3,211 (85.9%)	W (63.8%); X (35.9%)	ZZ (97.6%)	JP (97.6%)	ZZ-JP (97.6%)	<i>Balaenoptera bonaerensis</i> (58.7%); <i>Balaenoptera borealis</i> (23.8%)								
Birds	Anseriformes	Anatidae	1	3,693	live	371	3,583 (97%)	C (98.8%)	NL (75.2%); BE (13.9%)	AE (19.1%); CN (17.6%); MY (11.4%); TH (6.3%)	NL-CN (17.6%); NL-MY (11.2%); NL-AE (9.5%); BE-AE (9.1%); NL-TH (5.8%)	<i>Cygnus melancoryphus</i> (64.1%); <i>Branta ruficollis</i> (18.1%)								
Mammals	Carnivora	Viverridae	15	2,964	trophies	945	1,398 (47.2%)	W (96.3%)	ZA (56.6%); ZW (27%); TZ (7.3%)	US (60.6%); ES (10.2%)	ZA-US (33.8%); ZW-US (19.2%); ZA-ES (7.6%)	<i>Civettictis civetta</i> (99.9%); <i>Arctictis binturong</i> (0.1%)								
									ID (50.7%); TG (15.3%); C (19.9%)	KR (19.5%); IT (13.7%); US (12.6%); ET (5.7%)	ID-KR (19%); ID-IT (12.7%); TG-GH (8%); JP (9.7%); NL (9.6%); GB (9%); GH (8%)	<i>Paradoxurus hermaphroditus</i> (47.1%); <i>Civettictis civetta</i> (30.3%)								
									ZA (59.7%); ZW (32.5%); TZ (7.1%)	US (59.2%); ES (11.5%); ZA (5.6%)	ZA-US (38.6%); ZW-US (18.6%); ZA-ES (9.3%)	<i>Civettictis civetta</i> (99.5%); <i>Arctictis binturong</i> (0.2%)								

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term				
									Exporters	Importers	Trade route	Taxa	
Mammals	Carnivora	Viverridae (cont)			skins	342	373 (12.6%)	W (98.9%)	ZA (57.4%); ZW (33.5%); TZ (7.8%)	US (59.5%); ES (11%); ZA (5.9%)	ZA-US (37.3%); ZW-US (20.1%); ZA-ES (9.1%)	<i>Civettictis civetta</i>	
Birds	Ciconiiformes	Threskiornithidae	1	2,725	live	256	2,660 (97.6%)	C (95.8%)	NL (60.6%); ZA (7.5%); BE (7.5%); FR (5.5%)	CN (26.3%); AE (11.3%); TH (8.6%); ML (7.6%); GE (5.3%)	NL-CN (25.1%); NL-AE (6.1%); NL-TH (6%); NL-GE (5.3%)	<i>Eudocimus ruber</i> <i>Geronticus eremita</i> (8.2%)	
Reptiles	Testudines	Cheloniidae	3	2,416	bodies	40	1,061 (43.9%)	W (95%)	BQ (57.5%); BR (21.8%); ZZ (14.9%)	NL (57.5%); US (40.2%)	BQ-NL (57.5%); BR-US (21.8%); ZZ-US (14.8%)	<i>Caretta caretta</i> (38.6%); <i>Eretmochelys imbricata</i> (31%)	
									W (80.3%); Unspecified (19.5%)	ID (19.5%); CR (16.1%); BM (15.3%); CA (13.2%); SC (9.7%); NC (9.7%); CY (7.6%)	US (45.5%); JP (19.5%); AU (19.5%); IL (7.6%)	ID-JP (19.5%); CR-US (16.1%); BM-US (15.3%); CA-US (13.2%); NC-AU (9.7%); SC-AU (9.7%); CY-IL (7.6%)	<i>Chelonia mydas</i>
									live	33	287 (11.9%)	W (35.9%); C (34.8%); F (14.3%); I (11.1%)	JP (46%); MZ (27.2%); SG (9.4%)
Mammals	Primates	Lemuridae	3	1,887	live	1,044	1,872 (99.2%)	C (88.9%); F (10.1%)	CZ (17%); CA (13.7%); FR (8.4%); ZA (5.9%)	CN (31.9%); ZA (7.4%); UA (5.4%)	CA-CN (11.7%); CZ-CN (10.6%)	<i>Lemur catta</i> (74%); <i>Varecia variegata</i> (14.4%)	
Mammals	Carnivora	Procyonidae	23	1,850	live	408	1,512 (81.7%)	W (85.8%); C (8.1%)	GY (87.2%)	US (52.7%); NL (8.9%); JP (8.7%)	GY-US (51.9%); GY-NL (8.9%); GY-JP (6.1%)	<i>Potos flavus</i> (77.6%); <i>Nasua nasua</i> (14.8%)	
									trophies	169	335 (18.1%)	W (97.6%)	MX (99.4%)
Birds	Sphenisciformes	Spheniscidae	1	1,693	live	570	1,638 (96.8%)	C (81.1%); W (10.1%); F (8.6%)	ZA (16.9%); JP (10%); NL (8%); DE (7.6%); FR (6.3%); CH (6.2%)	CN (27.8%); ZA (9.2%); US (8.4%)	NA-ZA (9.2%); ZA-US (8.4%); NL-CN (7%)	<i>Spheniscus humboldti</i> (52%); <i>Spheniscus demersus</i> (48%)	

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Mammals	Chiroptera	Pteropodidae	30	1,629	live	82	1,483 (91%)	W (86%); C (12.4%)	ID (88.5%)	CN (26.5%); IT (18.7%); NL (18%); US (11.8%)	ID-CN (24.5%); ID-IT (18.7%); ID-NL (18%); ID-US (9.6%)	Pteropus vampyrus (88.9%); Pteropus rodricensis (3.5%)
										JE (27.5%); AU (25.8%); PW (15.8%); PH (14.2%); MU (6.7%); CH (6.7%)	US (40%); GB (34.2%); SG (25%)	JE-GB (27.5%); AU-SG (25%); PW-US (15.8%); PH-US (14.2%); CH-GB (6.7%); MU-US (6.7%)
Birds	Columbiformes	Columbidae	1	1,623	live	305	1,609 (99.1%)	C (85%); F (8.8%)	ID (18.8%); SG (15.8%); ZA (11.2%); BE (11.1%); PH (10.8%); BH (7.8%); ES (6.3%)	KW (14.5%); AE (11.9%); BD (6.5%); CN (6%); PK (5.3%)	BH-AE (7.8%); BE-KW (7.1%); ID-BD (6%); SG-CN (6%)	Goura victoria (37.4%); Caloenas nicobarica (19.5%)
Reptiles	Sauria	Scincidae	1	1,292	live	35	1,292 (100%)	C (61.8%); W (35.8%)	SB (90.9%); SI (5.8%)	US (61.4%); XV (24.5%); TH (6.1%)	SB-US (54.3%); SB-XV (24.5%); SB-TH (6.1%); SI-US (5.8%)	Corucia zebra (100%)
Mammals	Primates	Galagidae	7	1,241	live	58	1,174 (94.6%)	C (53.7%); W (44.3%)	ZA (51.7%); TG (24.2%); BJ (17%)	TH (73.1%); MY (8.9%)	ZA-TH (49.7%); TG-TH (12.3%); BJ-TH (9.4%); TG-MY (7.7%)	Galago moholi (52.6%); Galago demidoff (24.9%)
Birds	Passeriformes	Fringillidae	2	1,010	live	87	1,010 (100%)	C (100%)	NL (51.1%); BE (38.4%); CZ (9.9%)	KW (21.8%); CA (21.5%); IQ (10.7%); BH (9.2%); PA (9%); JO (5.5%)	NL-CA (21.5%); BE-KW (11.9%); CZ-KW (9.9%); BE-BH (9.2%); NL-PA (9%); BE-IQ (8.9%)	Carduelis cucullata (95.9%); Carduelis yarrellii (4.1%)

Annex D: Full trade summaries by taxonomic family
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Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Mammals	Carnivora	Odobenidae	2	809	skulls	299	352 (43.5%)	W (98.3%)	CA (74.7%); GL (24.7%)	DK (17.9%); BE (17.9%); FR (13.4%); DE (8.2%); CN (6.2%)	CA-BE (17.3%); GL-DK (17.3%); CA-FR (12.2%); CA-DE (8%)	<i>Odobenus rosmarus</i> (100%)
					live	62	218 (26.9%)	W (49.5%); Unspecified (45.4%)	RU (88.1%); CA (9.6%)	CN (59.6%); XX (21.6%); RU (9.2%)	RU-CN (59.6%); RU-XX (21.6%); CA-RU (9.2%)	<i>Odobenus rosmarus</i> (100%)
					skins	36	140 (17.3%)	W (98.6%)	GL (73.6%); CA (25%)	DK (74.3%)	GL-DK (73.6%)	<i>Odobenus rosmarus</i> (100%)
					trophies	7	88 (10.9%)	W (94.3%)	CA (80.7%); RU (11.4%); US (5.7%)	BE (19.3%); FR (14.8%); CH (9.1%); AT (8%); CN (8%); LT (8%)	CA-BE (19.3%); CA-FR (14.8%); CA-CH (9.1%); CA-CN (8%); RU-LT (8%); CA-AT (8%); US-NA (5.7%)	<i>Odobenus rosmarus</i> (100%)
Birds	Strigiformes	Tytonidae	1	804	live	486	638 (79.4%)	C (93.1%)	BE (59.7%); GB (16.5%)	JP (79.9%)	BE-JP (59.1%); GB-JP (13%)	<i>Tyto alba</i> (88.1%); <i>Tyto glaucops</i> (9.4%)
					bodies	57	122 (15.2%)	W (81.1%); C (9%); I (5.7%)	CH (43.4%); GB (16.4%); ZA (12.3%)	DE (41%); NO (10.7%); US (9.8%); NZ (9.8%); AU (5.7%)	CH-DE (41%); GB-NO (9%); ZA-NZ (7.4%)	<i>Tyto alba</i> (95.1%); <i>Tyto novaehollandiae</i> (2.5%)
Mammals	Artiodactyla	Camelidae	24	782	skins	6	605 (77.4%)	W (100%)	CL (98.8%)	UY (82.6%); IT (15.7%)	CL-UY (82.6%); CL-IT (15.7%)	<i>Lama guanicoe</i> (99%); <i>Vicugna vicugna</i> (1%)
					live	115	175 (22.4%)	C (85.1%); F (8%); I (6.9%)	CH (13.7%); FR (13.1%); CA (11.4%); RU (10.9%); KR (8.6%); DE (8%); CZ (5.1%)	DZ (11.4%); TH (8.6%); US (8%); CH (7.4%); TT (6.9%); UA (5.7%); DE (5.7%); RU (5.7%); TR (5.1%)	FR-DZ (10.3%); KR-TH (8.6%); CA-US (8%); CH-DE (5.7%)	<i>Lama guanicoe</i> (56.6%); <i>Vicugna vicugna</i> (42.3%)

Annex D: Full trade summaries by taxonomic family
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Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			Taxa	
									Exporters	Importers	Trade route		
Mammals	Primates	Hominidae	23	706	live	318	655 (92.8%)	C (78%); F (11.9%)	GN (19.2%); US (8.1%); RU (7.5%); SY (6.7%); IL (5.2%)	CN (28.5%); UA (5.6%)	GN-CN (15.9%)	<i>Pan troglodytes</i> (64.9%); <i>Pongo</i> <i>pygmaeus</i> (15.4%)	
Birds	Passeriformes	Paradisaeidae	1	618	live	64	589 (95.3%)	C (62.3%); F (32.6%); W (5.1%)	BH (50.9%); QA (33.4%)	AE (50.9%); DE (28.9%)	BH-AE (50.9%); QA-DE (27.7%)	<i>Parotia carolae</i> (50.9%); <i>Paradisaea apoda</i> (13.6%)	
Birds	Struthioniformes	Struthionidae	3	575	live	19	574 (99.8%)	C (60.6%); R (11.5%); W (7.7%); D (7%); Unspecified (6.6%)	XX (55.9%); NG (18.5%); NE (5.6%); US (5.2%)	SD (55.7%); NE (25.1%); TT (5.4%)	XX-SD (55.7%); NG-NE (18.5%); US-TT (5.2%)	<i>Struthio camelus</i> (96.7%); <i>Struthio</i> spp. (3.3%)	
Birds	Passeriformes	Emberizidae	4	569	live	42	565 (99.3%)	C (75.2%); Unspecified (15%); F (9.4%)	AR (46.2%); NL (19.6%); BE (15%); US (11.7%); CZ (5.7%)	CN (38.6%); BH (15%); TW (11%); ZA (7.4%); SG (7.1%)	AR-CN (38.6%); BE-BH (15%); US-TW (11%); AR-ZA (7.4%); NL-SG (6%)	<i>Paroaria coronata</i> (68.5%); <i>Gubernatrix cristata</i> (17.3%)	
Mammals	Carnivora	Hyaenidae	13	536	trophies	230	304 (56.7%)	W (92.1%)	ZA (67.1%)	US (56.6%); ES (7.6%)	ZA-US (37.5%); NA-US (16.8%)	<i>Proteles cristata</i> (98%); <i>Hyaena</i> <i>hyaena</i> (2%)	
					skulls	76	132 (24.6%)	W (93.9%)	ZA (91.7%)	US (34.1%); JP (19.7%); CA (12.1%); AU (8.3%); BE (5.3%)	ZA-US (31.8%); ZA-JP (19.7%); ZA-CA (12.1%); ZA-AU (8.3%); ZA-BE (5.3%)	ZA-US (31.8%); ZA-JP (19.7%); ZA-CA (12.1%); ZA-AU (8.3%); ZA-BE (5.3%)	<i>Proteles cristata</i> (99.2%); <i>Hyaena</i> <i>hyaena</i> (0.8%)
					live	16	47 (8.8%)	C (38.3%); Unspecified (27.7%); W (25.5%); F (8.5%)	TZ (44.7%); US (12.8%); SD (8.5%); SY (6.4%); ZA (6.4%)	GB (29.8%); PH (17%); US (10.6%); ZA (8.5%); RU (8.5%)	TZ-GB (27.7%); US-PH (12.8%); SD-RU (8.5%); TZ-US (8.5%); TZ-ZA (8.5%)	<i>Proteles cristata</i> (51.1%); <i>Hyaena</i> <i>hyaena</i> (48.9%)	

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Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Mammals	Carnivora	Hyaenidae (cont)			skins	35	46 (8.6%)	W (89.1%)	ZA (54.3%)	US (45.7%); BE (13%); FR (10.9%); ES (8.7%)	ZA-US (23.9%); NA-US (21.7%); ZA-BE (13%); NA-FR (6.5%)	<i>Proteles cristata</i> (100%)
Mammals	Rodentia	Cuniculidae	2	505	live	157	492 (97.4%)	W (86%); C (7.1%)	GY (87%); CH (7.3%)	US (65%); TH (5.9%); NL (5.9%)	GY-US (64.4%); GY-TH (5.9%)	<i>Cuniculus paca</i> (100%)
Mammals	Artiodactyla	Cervidae	40	461	trophies	87	205 (44.5%)	W (60.5%); F (21%); C (9.8%); I (7.3%)	ZA (31.7%); AU (17.6%); MX (16.1%); US (13.7%)	US (55.6%); ZA (8.3%); XX (8.3%)	ZA-US (22.9%); AU-US (14.1%); MX-US (8.3%); MX-XX (7.8%)	<i>Axis porcinus</i> (59%); <i>Mazama temama cerasina</i> (8.3%)
					live	45	158 (34.3%)	C (72.8%); I (12%); F (9.5%); (5.7%)	XX (14.6%); CL (12.7%); KW (12.7%); EE (10.8%); DE (9.5%); GT (6.3%); MM (6.3%); QA (5.7%)	IL (13.9%); KR (12.7%); SV (12%); CH (12%); AR (10.1%); TH (8.9%); BH (5.7%); QA-BH (5.7%)	KW-KR (12.7%); XX-SV (12%); EE-IL (10.8%); CH-AR (10.1%); DE-CH (7%); MM-TH (6.3%); QA-BH (5.7%)	<i>Rucervus eldii</i> (19.6%); <i>Dama dama</i> (19%)
					skulls	29	54 (11.7%)	W (61.1%); R (25.9%); C (5.6%)	AU (48.1%); XX (25.9%); SK (7.4%); CH (5.6%)	US (46.3%); KH (25.9%); ZA (11.1%); GB (5.6%)	AU-US (38.9%); XX-KH (25.9%); SK-ZA (7.4%); CH-GB (5.6%)	<i>Axis porcinus</i> (48.1%); <i>Cervus elaphus bactrianus</i> (29.6%)
					skins	29	34 (7.4%)	W (91.2%)	AU (79.4%); SR (5.9%)	US (64.7%); MX (5.9%); ZA (5.9%); NL (5.9%)	AU-US (61.8%); SR-NL (5.9%); AU-MX (5.9%); AU-ZA (5.9%)	<i>Axis porcinus</i> (82.4%); <i>Odocoileus virginianus</i> (<i>mayensis</i> (8.8%))
Mammals	Cetacea	Monodontidae	1	429	live	104	360 (83.9%)	W (94.4%)	RU (94.2%)	CN (76.7%)	RU-CN (75.3%)	<i>Delphinapterus leucas</i> (100%)
					skulls	31	45 (10.5%)	W (100%)	CA (73.3%); GL (26.7%)	DK (26.7%); FR (15.6%); BE (11.1%); TH (11.1%); CN (8.9%); DE (6.7%)	GL-DK (26.7%); CA-FR (15.6%); CA-BE (11.1%); CA-TH (11.1%); CA-CN (8.9%); CA-DE (6.7%)	<i>Monodon monoceros</i> (93.3%); <i>Delphinapterus leucas</i> (6.7%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Mammals	Primates	Atelidae	7	416	live	116	361 (86.8%)	W (42.1%); C (40.4%); F (10.5%)	GY (41.3%); GT (21.1%); AR (6.1%)	ZA (33.2%); CN (25.8%); US (8.9%); HN (5.3%)	GY-ZA (26.3%); GY-CN (15%); GT-CN (7.8%); GT-US (6.1%)	<i>Ateles geoffroyi</i> (35.2%); <i>Ateles paniscus</i> (24.4%)
Mammals	Rodentia	Chinchillidae	2	362	skins	1	300 (82.9%)	C (100%)	BO (100%)	HK (100%)	BO-HK (100%)	<i>Chinchilla lanigera</i> (100%)
Mammals	Primates	Lorisidae	3	326	live	38	302 (92.6%)	W (90.4%)	CD (43%); TG (24.2%); BJ (12.6%); CG (9.9%)	UA (55%); TG (7.3%); OM (7.3%); TH (6.3%); US (5.6%)	CD-UA (43%); CG-UA (9.9%); TG-OM (7.3%); BJ-TG (7.3%); TG-TH (6.3%)	<i>Perodicticus potto</i> (89.7%); <i>Nycticebus pygmaeus</i> (5.3%)
Reptiles	Testudines	Chelidae	1	313	live	33	313 (100%)	F (56.5%); C (43.5%)	ID (49.5%); DE (19.2%); AT (14.1%); US (9.3%); IT (8%)	TW (26.2%); US (25.9%); SG (14.1%); CN (9.3%); HK (8.9%); NL (5.1%)	ID-US (25.9%); ID-TW (15.3%); AT-SG (7.7%); AT-TW (6.4%); DE-CN (6.1%); US-NL (5.1%)	<i>Chelodina mccordi</i> (100%)
Birds	Passeriformes	Muscicapidae	1	235	live	43	227 (96.6%)	C (83.7%); W (11%)	NL (22.5%); IT (13.2%); JE (11.9%); TH (11%); PK (8.8%); PT (7%); CH (6.6%)	CA (20.7%); UZ (19.8%); OM (13.2%); SG (7.9%); GB (5.3%)	NL-CA (20.7%); IT-OM (13.2%); TH-UZ (11%); PK-UZ (8.8%); PT-SG (7%); JE-GB (5.3%)	<i>Leiothrix lutea</i> (69.6%); <i>Liocichla omeiensis</i> (12.3%)
Mammals	Primates	Hylobatidae	5	229	live	140	215 (93.9%)	C (62.3%); F (17.2%); W (9.3%); I (8.4%)	FR (15.8%); MY (14%); GB (11.2%); CZ (7.9%); MM (6.5%)	CN (14.9%); US (11.6%); ZA (10.7%); GB (6%); MK (5.1%)	MY-CN (11.2%); MM-US (6.5%)	<i>Hylobates lar</i> (25.6%); <i>Sympalangus syndactylus</i> (24.7%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Mammals	Diprotodontia	Phalangeridae	6	221	live	8	151 (68.3%)	W (75.5%); C (12.6%); F (11.3%)	SB (86.8%); ID (12.6%)	US (70.9%); TH (15.9%); GB (9.9%)	SB-US (70.9%); SB-TH (15.9%); ID-GB (9.9%)	<i>Phalanger orientalis</i> (87.4%); <i>Spilocuscus maculatus</i> (12.6%)
Mammals	Pilosa	Myrmecophagidae	8	209	live	56	207 (99%)	W (62.8%); C (26.1%); F (7.2%)	SR (44.9%); GY (19.3%); PY (7.7%); SG (5.3%)	CN (56%); US (14%)	SR-CN (40.6%); GY-CN (13.5%); PY-US (7.7%)	<i>Myrmecophaga tridactyla</i> (98.1%); <i>Tamandua mexicana</i> (1.9%)
Mammals	Primates	Aotidae	5	204	live	155	189 (92.6%)	C (80.4%); F (19.6%)	PE (77.2%); CH (15.3%)	CN (34.9%); GE (13.2%); US (10.6%); NL (10.1%); TH (5.3%); GB (5.3%)	PE-CN (34.9%); PE-GE (13.2%); PE-US (10.6%); CH-NL (10.1%); PE-TH (5.3%)	<i>Aotus nancymaae</i> (37.6%); <i>Aotus vociferans</i> (37%)
Mammals	Primates	Pitheciidae	2	192	live	47	160 (83.3%)	W (60.6%); C (33.1%); F (5.6%)	GY (56.9%); US (8.8%); ZA (8.1%); CH (6.9%)	ZA (25.6%); CN (20%); GB (18.8%); US (13.8%)	GY-ZA (25.6%); GY-CN (16.2%); GY-US (7.5%); GY-GB (7.5%); US-GB (6.2%)	<i>Chiropotes chiropotes</i> (58.1%); <i>Pithecia pithecia</i> (25%)
Mammals	Carnivora	Ailuridae	2	132	live	88	129 (97.7%)	C (95.3%)	CA (24.8%); JP (11.6%); CN (7.8%); NZ (7.8%); XX (6.2%); US (6.2%); ZA (6.2%)	US (21.7%); AU (8.5%); CA (7.8%); JP (6.2%)	CA-US (20.9%)	<i>Ailurus fulgens</i> (100%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Amphibians	Anura	Dicoglossidae	1	115	live	9	108 (93.9%)	W (100%)	SR (78.7%); GY (21.3%)	US (100%)	SR-US (78.7%); GY-US (21.3%)	<i>Hoplobatrachus tigerinus</i> (100%)
					bodies	0	7 (6.1%)	W (100%)	MG (100%)	DE (100%)	MG-DE (100%)	<i>Hoplobatrachus tigerinus</i> (100%)
Mammals	Rodentia	Dasyprotidae	6	112	trophies	48	97 (86.6%)	W (100%)	MX (100%)	US (53.6%); XX (46.4%)	MX-US (53.6%); MX-XX (46.4%)	<i>Dasyprocta punctata</i> (100%)
					live	7	14 (12.5%)	C (100%)	MX (42.9%); FR (28.6%); CH (21.4%); DE (7.1%)	US (42.9%); TH (28.6%); DE (14.3%); ES (7.1%); CH (7.1%)	MX-US (42.9%); FR-TH (28.6%); CH-DE (14.3%); DE-CH (7.1%); CH-ES (7.1%)	<i>Dasyprocta punctata</i> (100%)
Birds	Falconiformes	Cathartidae	1	110	live	44	98 (89.1%)	F (59.2%); C (24.5%); W (8.2%)	PE (33.7%); US (33.7%); ZA (8.2%); CL (7.1%); BR (5.1%)	MX (48%); US (17.3%); CO (10.2%); GB (6.1%); AT (5.1%)	US-MX (28.6%); PE-MX (19.4%); PE-US (10.2%); ZA-US (6.1%); CL-CO (6.1%); BR-AT (5.1%)	<i>Sarcoramphus papa</i> (41.8%); <i>Vultur gryphus</i> (29.6%)
					trophies	0	8 (7.3%)	C (100%)	BR (100%)	AT (100%)	BR-AT (100%)	<i>Sarcoramphus papa</i> (100%)
Mammals	Carnivora	Eupleridae	2	110	live	36	109 (99.1%)	W (79.8%); C (15.6%)	MG (79.8%); ZA (5.5%)	GB (64.2%); AM (9.2%); TH (7.3%)	MG-GB (61.5%); MG-AM (9.2%); MG-TH (7.3%)	<i>Fossa fossana</i> (48%); <i>Cryptoprocta ferox</i> (29.4%)
Birds	Falconiformes	Sagittariidae	1	99	live	22	84 (84.8%)	W (77.4%); C (15.5%)	SD (50%); TZ (20.2%); ZA (19%); ML (7.1%)	QA (26.2%); AE (23.8%); AM (7.1%); ES (7.1%)	SD-QA (26.2%); SD-AE (9.5%); ZA-ES (7.1%); SD-AM (7.1%); ML-AE (7.1%)	<i>Sagittarius serpentarius</i> (100%)
					trophies	4	8 (8.1%)	W (75%); C (25%)	ZA (75%); TZ (25%)	US (37.5%); CH (25%); NZ (25%); ID (12.5%)	ZA-NZ (25%); TZ-US (25%); ZA-CH (25%); ZA-US (12.5%); ZA-ID (12.5%)	<i>Sagittarius serpentarius</i> (100%)
					bodies	9	6 (6.1%)	W (50%); C (33.3%); F (16.7%)	ZA (83.3%); FR (16.7%)	US (50%); CH (50%)	ZA-US (50%); ZA-CH (33.3%); FR-CH (16.7%)	<i>Sagittarius serpentarius</i> (100%)
Reptiles	Sauria	Lacertidae	1	86	live	8	86 (100%)	C (96.5%)	DE (100%)	JP (65.1%); CH (22.1%); US (7%)	DE-JP (65.1%); DE-CH (22.1%); DE-US (7%)	<i>Podarcis pityusensis</i> (100%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Mammals	Rodentia	Sciuridae	38	84	live	11	82 (97.6%)	C (74.4%); F (25.6%)	ID (79.3%); LK (20.7%)	AE (64.6%); DE (14.6%); CZ (7.3%); SK (7.3%); GB (6.1%)	ID-AE (64.6%); LK-DE (14.6%); ID-SK (7.3%); ID-CZ (7.3%); LK-GB (6.1%)	<i>Ratufa affinis</i> (79.3%); <i>Ratufa macroura</i> (20.7%)
Mammals	Cetacea	Phocoenidae	2	81	skins	2	50 (61.7%)	W (100%)	TH (80%); MX (20%)	CN (80%); XX (20%)	TH-CN (80%); MX-XX (20%)	<i>Neophocaena phocaenoides</i> (80%); <i>Phocoena sinus</i> (20%)
Birds	Ciconiiformes	Ciconiidae	1	73	live	52	48 (65.8%)	C (83.3%); W (8.3%)	MY (25%); JP (20.8%); CH (18.8%); MX (6.2%); BE (6.2%)	CZ (25%); DE (12.5%); CH (12.5%); RU (10.4%); AT (8.3%); US (6.2%)	MY-CZ (25%); JP-DE (12.5%); JP-RU (8.3%); CH-AT (8.3%); MX-US (6.2%); BE-CH (6.2%)	<i>Ciconia nigra</i> (43.8%); <i>Mycteria cinerea</i> (25%)
Birds	Falconiformes	Pandionidae	1	70	skins	0	20 (27.4%)	W (100%)	RU (100%)	JP (100%)	RU-JP (100%)	<i>Ciconia boyciana</i> (100%)
Birds	Pandionidae		1	70	live	20	63 (90%)	W (98.4%)	NO (57.1%); DE (28.6%); GB (9.5%)	CH (95.2%)	NO-CH (57.1%); DE-CH (28.6%); GB-CH (9.5%)	<i>Pandion haliaetus</i> (100%)
Mammals	Carnivora	Phocidae	7	32	bodies	3	31 (96.9%)	W (96.8%)	BR (96.8%)	US (96.8%)	BR-US (96.8%)	<i>Mirounga leonina</i> (96.8%); <i>Monachus monachus</i> (3.2%)
Mammals	Lagomorpha	Leporidae	41	20	live	4	20 (100%)	C (100%)	MX (100%)	JP (50%); XX (50%)	MX-JP (50%); MX-XX (50%)	<i>Romerolagus diazi</i> (100%)

Annex D: Full trade summaries by taxonomic family
(Table D1: Trade by number of items that equate to an individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Quantity	Source	Percentages by term			
									Exporters	Importers	Trade route	Taxa
Mammals	Chiroptera	Phyllostomidae	19	20	live	0	20 (100%)	C (100%)	US (100%)	JP (100%)	US-JP (100%)	<i>Platyrrhinus lineatus</i> (100%)
Mammals	Artiodactyla	Suidae	43	19	live	5	16 (84.2%)	F (68.8%); C (31.2%)	US (81.2%); CA (18.8%)	MX (37.5%); CA (25%); GB (12.5%); US (12.5%); CN (6.2%); CZ (6.2%)	US-MX (37.5%); US-CA (25%); US-GB (12.5%); CA-US (12.5%); CA-CN (6.2%); US-CZ (6.2%)	<i>Babyrousa celebensis</i> (100%)
										CA (50%); ID (50%)	ID-US (50%); US-CA (50%)	<i>Babyrousa babyrussa</i> (100%)
										US (50%)	JE-GB (100%)	<i>Babyrousa babyrussa</i> (100%)
Birds	Pelecaniformes	Pelecanidae	1	15	live	10	15 (100%)	C (100%)	CH (46.7%); DE (46.7%); BE (6.7%)	US (46.7%); DE (26.7%); NL (20%); AE (6.7%)	DE-US (46.7%); CH-DE (26.7%); CH-NL (20%); BE-AE (6.7%)	<i>Pelecanus crispus</i> (100%)
Mammals	Diprotodontia	Macropodidae	11	7	skins	3	7 (100%)	W (100%)	PG (100%)	AU (100%)	PG-AU (100%)	<i>Dendrolagus</i> spp. (100%)
Mammals	Artiodactyla	Antilocapridae	3	6	live	1	5 (83.3%)	F (100%)	MX (100%)	US (100%)	MX-US (100%)	<i>Antilocapra americana peninsularis</i> (100%)
												<i>Antilocapra americana</i> (100%)
Mammals	Pilosa	Bradypodidae	9	6	live	1	6 (100%)	W (50%); C (50%)	CR (100%)	US (100%)	CR-US (100%)	<i>Bradypus variegatus</i> (100%)
Mammals	Cingulata	Dasypodidae	7	6	live	0	3 (50%)	W (100%)	XX (100%)	BO (100%)	XX-BO (100%)	<i>Chaetophractus nationi</i> (100%)
												<i>Chaetophractus nationi</i> (100%)
												<i>Priodontes maximus</i> (100%)
Mammals	Rodentia	Erethizontidae	6	5	live	0	5 (100%)	I (100%)	XX (100%)	SV (100%)	XX-SV (100%)	<i>Sphiggurus mexicanus</i> (100%)
Birds	Charadriiformes	Burhinidae	1	1	bodies	1	1 (100%)	W (100%)	SV (100%)	US (100%)	SV-US (100%)	<i>Burhinus bistriatus</i> (100%)
Birds	Charadriiformes	Scolopacidae	1	1	bodies	1	1 (100%)	O (100%)	AU (100%)	CH (100%)	AU-CH (100%)	<i>Numenius borealis</i> (100%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Table D2: Overview of trade in CITES families associated with at least one zoonotic disease, for trade reported by number of items that do not equate to an individual, 2009-2018. Quantity by number of items in trade (ranked in order of overall quantity of the family; terms ranked within each family by quantity)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa
							Quantity	Source				
Birds	Galliformes	Phasianidae	1	8,626,818	feathers	933	6,127,326 (71%)	C (67.9%); R (14.5%); I (13.6%)	CN (94.8%)	US (98.3%)	CN-US (93.5%)	<i>Pavo cristatus</i> (98.4%); <i>Pavo muticus</i> (1.2%)
					derivatives	184	2,498,679 (29%)	C (100%)	CN (100%)	US (95.2%)	CN-US (95.2%)	<i>Pavo cristatus</i> (>99.9%); <i>Gallus sonneratii</i> (<0.1%)
Reptiles	Serpentes	Viperidae	2	7,951,562	derivatives	8,850	4,543,571 (57.1%)	F (92.3%); Unspecified (6.7%)	US (97.9%)	DE (54.3%); FR (30.7%); IT (6.1%)	US-DE (54.3%); US-FR (30.7%); US-IT (6.1%)	<i>Daboia russelii</i> (>99.9%); <i>Crotalus durissus</i> (<0.1%)
					medicine	3	2,323,426 (29.2%)	F (99.9%)	US (100%)	DE (98.9%)	US-DE (98.9%)	<i>Daboia russelii</i> (100%)
					specimens	1,095	1,054,563 (13.3%)	F (67%); Unspecified (32.7%)	US (99.8%)	IT (67.5%); HK (10.7%); JP (8.8%)	US-IT (67.5%); US-HK (10.7%); US-JP (8.8%)	<i>Daboia russelii</i> (99.9%); <i>Crotalus durissus</i> (0.1%)
Reptiles	Crocodylia	Crocodylidae	10	3,328,143	skin pieces	9,154	1,513,222 (45.5%)	R (48.9%); C (39.6%); D (9.1%)	ZW (25.6%); ZA (21%); ZM (17.4%); AU (14.5%); MZ (5.3%)	SG (46.8%); TH (8%); ZW (6.7%); AU (14.5%); JP (5.7%)	ZW-SG (14.2%); ZM-SG (11%); AU-SG (10.3%); ZM-ZW (6%); ZA-SG (5.1%)	<i>Crocodylus niloticus</i> (70.5%); <i>Crocodylus porosus</i> (23.2%)
					meat	1,973	1,134,757 (34.1%)	D (74.2%); C (25.5%)	TH (73.9%); ZA (21.8%)	HK (72.9%); CN (13%); BE (6%)	TH-HK (58.7%); TH-CN (12.9%); ZA-HK (11.5%); ZA-BE (6%)	<i>Crocodylus siamensis</i> (73.1%); <i>Crocodylus niloticus</i> (21.8%)
					teeth	311	484,201 (14.5%)	C (46.5%); D (30.6%); W (9.3%); F (8.4%)	PG (60.4%); SG (29.1%); AU (8.6%)	AU (90.5%)	PG-AU (60.1%); SG-AU (29.1%)	<i>Crocodylus porosus</i> (97.8%); <i>Crocodylus siamensis</i> (1.5%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					
							Quantity	Source	Exporters	Importers	Trade route	Taxa
Reptiles	Crocodylia	Alligatoridae	1	2,575,137	skin pieces	24,635	1,071,395 (41.6%)	C (54.2%); W (25.8%); R (17.4%)	CO (38.3%); BO (21.9%); US (18.8%); AR (14%)	US (39.1%); TH (15.5%); MG (11.5%)	CO-US (15.3%); AR-US (12.7%); BO-US (11%); CO-MX (10.9%); US-MG (10.6%); CO-TH (8.6%); BO-MX (7.2%); US-TH (5.3%)	<i>Caiman crocodilus fuscus</i> (42.3%); <i>Caiman crocodilus yacare</i> (24.8%)
					specimens	9,273	868,223 (33.7%)	W (99.3%)	US (99.9%)	FR (14.9%); DE (12.5%); JP (9.2%); CA (8.7%)	US-FR (14.9%); US-DE (12.5%); US-JP (9.2%); US-CA (8.7%)	<i>Alligator mississippiensis</i> (99.9%); <i>Caiman crocodilus</i> (0.1%)
					tails	996	465,826 (18.1%)	C (52%); W (43%)	CO (47%); BO (46.9%)	MX (40.9%); US (23.8%); IT (14.4%)	BO-MX (20.7%); CO-MX (16.3%); BO-US (12.5%); CO-US (11.1%); CO-IT (9.1%); BO-IT (5.2%)	<i>Caiman crocodilus fuscus</i> (49.9%); <i>Caiman crocodilus yacare</i> (29.7%)
Mammals	Primates	Cercopithecidae	51	1,761,073	specimens	53,720	1,748,509 (99.3%)	C (52.1%); W (22.9%); F (21.6%)	US (31%); VN (14.5%); CN (14%); KN (13.2%)	US (44.8%); CA (13.1%); GB (9.9%); DE (5.5%)	US-CA (12.5%); KN-US (11.5%); VN-US (11.2%); CN-US (10.4%); US-GB (7.6%)	<i>Macaca fascicularis</i> (49%); <i>Macaca mulatta</i>
Mammals	Carnivora	Ursidae	15	503,197	hair	227	251,550 (50%)	W (99.2%)	US (89%); CA (9.3%)	CA (89.8%); US (10%)	US-CA (89%); CA-US (9.1%)	<i>Ursus americanus</i> (75.5%); <i>Ursus arctos</i> (20.9%)
					claws	803	89,968 (17.9%)	W (99.6%)	CA (99.8%)	US (88.6%)	CA-US (88.5%)	<i>Ursus americanus</i> (99.1%); <i>Ursus arctos</i> (0.8%)
					teeth	453	80,261 (16%)	W (90.2%); I (9.8%)	CA (89.5%)	US (95.3%)	CA-US (86%)	<i>Ursus americanus</i> (69.6%); <i>Ursus arctos</i> (20.5%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					
							Quantity	Source	Exporters	Importers	Trade route	Taxa
Mammals	Carnivora	Ursidae (cont.)			specimens	495	56,430 (11.2%)	W (98.8%)	US (48%); CA (29%); US (30%); NO (6.3%); SE (5.5%)	CA (49.3%); US-CANADA (45.3%); CA-US (25.8%)	US-CA (45.3%); CA-US (25.8%)	<i>Ursus arctos</i> (36.9%); <i>Ursus americanus</i> (33.3%)
Reptiles	Serpentes	Colubridae	3	324,377	meat	522	314,211 (96.9%)	W (87.6%); C (12.4%)	ID (100%)	CN (55%); HK (45%)	ID-CN (55%); ID-HK (45%)	<i>Ptyas mucosus</i> (93.3%); <i>Cerberus rynchops</i> (6.6%)
Reptiles	Serpentes	Pythonidae	4	287,702	skin pieces	2,231	139,389 (48.4%)	W (92.4%); C (6.8%)	ID (92.3%); TH (6.5%)	SG (89.6%)	ID-SG (89.6%)	<i>Python reticulatus</i> (93.3%); <i>Python bivittatus</i> (6.6%)
					meat	183	117,036 (40.7%)	W (100%)	MY (64.3%); ID (35.7%)	HK (69.2%); CN (30.3%)	MY-HK (63.9%); ID-CN (30.3%); ID-HK (5.3%)	<i>Python reticulatus</i> (91%); <i>Python breitensteini</i> (9%)
					eggs	6	17,000 (5.9%)	C (100%)	VN (100%)	CN (100%)	VN-CN (100%)	<i>Python bivittatus</i> (100%)
Mammals	Carnivora	Canidae	46	273,545	skin pieces	367	255,098 (93.3%)	W (99.9%)	AR (99.6%)	TR (55.3%); IT (17.9%); CN (6.4%); RU (5.2%)	AR-TR (55.3%); AR-IT (17.9%); AR-CN (6.3%); AR-RU (5.2%)	<i>Lycalopex griseus</i> (70.5%); <i>Lycalopex gymnocercus</i> (26.9%)
Mammals	Carnivora	Mustelidae	28	180,601	hair	2,513	73,274 (40.6%)	C (97.4%)	CN (99.3%)	US (99.9%)	CN-US (99.3%)	<i>Mustela sibirica</i> (99.6%); <i>Lontra canadensis</i> (0.4%)
					tails	13	55,768 (30.9%)	W (80.1%); Unspecified (19.9%)	CN (86.3%); RU (12.7%)	DE (82.9%); GB (16.1%)	CN-DE (70.2%); CN-GB (16.1%); RU-DE (12.7%)	<i>Mustela sibirica</i> (99.1%); <i>Lontra canadensis</i> (0.9%)
					plates	61	42,888 (23.7%)	W (98.8%)	CN (100%)	DE (98.7%)	CN-DE (98.7%)	<i>Mustela sibirica</i> (>99.9%); <i>Lontra canadensis</i> (<0.1%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					
							Quantity	Source	Exporters	Importers	Trade route	Taxa
Reptiles	Testudines	Cheloniidae	3	164,910	specimens	717	140,601 (85.3%)	W (87.2%)	NI (15.2%); SV (9.6%); BQ (7.6%); KY (7.5%); BS (6.5%); ST (5.9%); AG (5.1%)	US (62.6%); NL (7.6%); GB (7.5%); PT (5.9%)	NI-US (14.4%); BQ-NL (7.6%); SV-US (6.5%); BS-US (6.5%); KY-US (6%); ST-PT (5.9%); AG-US (5.1%)	<i>Eretmochelys imbricata</i> (41.3%); <i>Chelonia mydas</i> (32.8%)
							skin pieces 19	9,164 (5.6%) W (94%); Unspecified (6%)	BR (85.2%); SC (6%)	US (91%); AU (6.5%)	BR-US (82.2%); SC-AU (6%)	<i>Caretta caretta</i> (54.7%); <i>Eretmochelys imbricata</i> (28.3%)
Mammals	Proboscidea	Elephantidae	9	154,490	hair	286	54,905 (35.5%)	W (81.9%); (12.7%)	ZA (79%); MC (11.8%); ZW (5.4%)	MC (34.8%); US (20%); SG (12.9%); XV (11.8%); CH (7.7%); FR (5.7%)	ZA-MC (31.1%); ZA-US (16.7%); ZA-SG (12.9%); MC-XV (11.8%); ZA-CH (7.7%); ZA-FR (5.7%)	<i>Loxodonta africana</i> (99.9%); <i>Elephas maximus</i> (0.1%)
							skin pieces 1,693	44,836 (29%) W (97%)	ZW (71.2%); MZ (11.9%); BW (8.2%); ZA (7.5%)	US (61.2%); ZA (16.9%); MX (6.6%)	ZW-US (55.6%); MZ-ZA (11.5%); ZW-MX (5.2%)	<i>Loxodonta africana</i> spp. (0.9%)
Mammals	Carnivora	Felidae	47	143,776	eggs (live)	4	25,006 (17.4%)	W (100%)	CA (100%)	US (100%)	CA-US (100%)	<i>Lynx canadensis</i> (100%)
							teeth 174	15,244 (10.6%) I (7.8%)	CA (64.4%); FI (17.3%); SE (10.5%)	US (97.4%)	CA-US (64.2%); FI-US (17.3%); SE-US (10.5%)	<i>Lynx lynx</i> (30.2%); <i>Puma concolor</i> (28.9%)
					medicine	3	10,750 (7.5%) I (100%)		VN (91.1%)	US (100%)	VN-US (91.1%)	<i>Panthera tigris</i> (99%); <i>Felidae</i> spp. (0.9%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					
							Quantity	Source	Exporters	Importers	Trade route	Taxa
Mammals	Carnivora	Felidae (cont.)			skeletons	289	9,905 (6.9%)	C (66.7%); W (33%)	ZA (98.9%)	VN (37.2%); TH (33.5%); LA (27.6%)	ZA-VN (36.6%); ZA-TH (33.5%); ZA-LA (27.6%)	<i>Panthera leo</i> (99.6%); <i>Lynx rufus</i> (0.3%)
					derivatives	67	8,568 (6%)	I (77.2%); W (14%); C (8.7%)	VN (40.8%); CN (32.2%); BR (19.2%)	US (52.7%); NZ (29.3%); ES (11.1%)	VN-US (40.8%); CN-NZ (28.9%); BR-ES (11.1%); BR-US (7.8%)	<i>Panthera tigris</i> (57.5%); <i>Panthera pardus</i> (17%)
Birds	Rheiformes	Rheidae	1	118,980	skin pieces	4	98,022 (82.4%)	W (85.5%); C (14.5%)	AR (85.5%); UY (14.5%)	US (85.5%); BR (14.3%)	AR-US (85.5%); UY-BR (14.3%)	<i>Rhea americana</i> <i>albescens</i> (85.5%); <i>Rhea americana</i> (14.5%)
					feet	0	14,000 (11.8%)	C (100%)	UY (100%)	BR (100%)	UY-BR (100%)	<i>Rhea americana</i> (100%)
Birds	Falconiformes	Accipitridae	1	101,296	feathers	520	87,021 (85.9%)	W (96.4%)	CA (62.6%); KZ (12%); KH (8.7%)	US (84.5%)	CA-US (62.5%); KZ-US (12%); KH-US (8.7%)	<i>Haliaeetus leucocephalus</i> (31.7%); <i>Aquila chrysaetos</i> (30.7%)
					specimens	464	12,402 (12.2%)	W (96.2%)	ZA (35.4%); KH (14.8%); IS (11.3%); CA (8.3%); EC (6.8%); DE (5.4%)	US (57.2%); DE (14.8%); ES (6.7%); DK (5.7%); XX (5.6%)	KH-US (14.8%); ZA-DE (14.3%); ZA-US (11.4%); CA-US (8.3%); EC-US (6.7%); ZA-ES (6.5%); IS-XX (5.6%); IS-DK (5.6%); DE-US (5.4%)	<i>Gyps coprotheres</i> (17.9%); <i>Haliaeetus albicilla</i> (12.7%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					
							Quantity	Source	Exporters	Importers	Trade route	Taxa
Birds	Psittaciformes	Psittacidae	5	87,915	specimens	3,709	58,909 (67%)	W (49%); C (47.6%)	AU (44.6%); SR (11%); BR (7.5%); PE (6.9%)	ZA (41%); US (32.9%); DE (11.2%)	AU-ZA (40.9%); SR-US (11%); BR-DE (6.8%)	<i>Pyrrhura molinae</i> (9.9%); <i>Myiopsitta monachus</i> (7.1%)
					feathers	661	19,743 (22.5%)	W (55%); I (32.1%)	SR (22.7%); PE (11.5%); NG (10.3%); BR (9.4%)	US (49.8%); PA (10.6%); ES (7.3%)	SR-US (10.4%); NG-US (10.3%); SR-PA (9.8%); PE-US (9.3%); BR-ES (7.2%)	<i>Psittacus erithacus</i> (11.8%); <i>Ara macao</i> (9.4%)
					eggs (live)	0	5,585 (6.4%)	C (100%)	TW (100%)	JP (100%)	TW-JP (100%)	<i>Pyrrhura molinae</i> (33.4%); <i>Myiopsitta monachus</i> (29.4%)
Mammals	Cetacea	Balaenopteridae	1	59,643	specimens	486	31,553 (52.9%)	W (54%); X (44.2%)	ZZ (41.7%); IS (7.8%); US (7.5%); NZ (6%); MX (5.4%)	JP (40.8%); US (12.9%); AU (11.4%); NL (7.4%); NZ (6.2%)	ZZ-JP (40.4%)	<i>Megaptera novaeangliae</i> (28.4%); <i>Balaenoptera bonaerensis</i> (28.3%)
					meat	242	25,173 (42.2%)	W (99.4%)	IS (99.3%)	JP (99.3%)	IS-JP (99.3%)	<i>Balaenoptera physalus</i> (99.3%); <i>Balaenoptera acutorostrata</i> (0.5%)
Mammals	Primates	Hominidae	23	59,050	specimens	549	52,166 (88.3%)	W (79%); Unspecified (8.1%); R (6.7%)	ID (30.9%); RW (11.6%); CD (9.4%); GA (9.4%); CG (7.6%); SL (7.1%); CM (5.7%)	US (44.5%); DE (38.3%)	ID-US (25.9%); RW-DE (11.6%); CD-US (8%); SL-DE (6.7%); CG-US (5.1%)	<i>Pan troglodytes</i> (35.7%); <i>Pongo pygmaeus</i> (30.7%)
					hair	47	5,739 (9.7%)	W (93.3%)	ID (56.5%); SN (8.8%); CI (7.8%); UG (6.6%); CM (5.4%)	CH (56.5%); DE (40.1%)	ID-CH (56.5%); SN-DE (8.8%); CI-DE (7.8%); UG-DE (6.6%); CM-DE (5.4%)	<i>Pongo abelii</i> (50.3%); <i>Pan troglodytes</i> (38.4%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term							
							Quantity	Source	Exporters	Importers	Trade route	Taxa		
Mammals	Chiroptera	Pteropodidae	30	56,118	specimens	149	51,221 (91.3%)	W (99.9%)	AU (63.5%); BD (23.2%); AU (12.2%)	SG (63%); US (14%); BD-AU (10.9%); BD-US (10.5%)	AU-SG (62.2%); BD-AU (10.9%); BD-US (10.5%)	Pteropus alecto (62.7%); Pteropus giganteus (27%)		
							extract	0	4,417 (7.9%)	W (100%)	AU (100%)	SG (100%)	AU-SG (100%)	Pteropus alecto (100%)
Mammals	Artiodactyla	Hippopotamidae	7	54,920	teeth	1,444	35,481 (64.6%)	W (91.2%); R (8%)	TZ (45.4%); ZM (15.9%); ZW (14.2%); MW (8.2%); ZA (8.1%)	HK (28.8%); US (22.7%); ZA (6.5%); FR (5.9%); DE (5.8%); CN (5.5%); ES (5.3%)	TZ-HK (28.8%); ZW-US (7%); MW-CN (5.2%)	Hippopotamus amphibius (100%)		
							tusks	916	8,056 (14.7%)	W (98.5%)	ZA (40.6%); ZW (30.1%); MZ (20.9%)	US (40.5%); ZA (12.8%); ES (8.1%)	ZA-US (18.4%); ZW-US (12%); MZ-US (6.7%); MZ-ZA (6.7%)	Hippopotamus amphibius (100%)
							skin pieces	460	7,988 (14.5%)	W (98.4%)	ZW (69.4%); ZM (14.3%); ZA (11.1%)	US (53.2%); MX (17.2%); ZA (14.4%); ZW (5.6%)	ZW-US (43.3%); ZW-MX (16.8%); ZM-ZA (9.6%); ZA-US (8.2%)	Hippopotamus amphibius (100%)
Birds	Falconiformes	Falconidae	3	52,378	feathers	46	30,054 (57.4%)	W (98.8%)	MN (69.5%); US (18.7%); GL (5.9%)	CN (41.4%); GB (28.6%); CA (18.7%); US (9%)	MN-CN (40.9%); MN-GB (28.6%); US-CA (18.7%); GL-US (5.6%)	Falco cherrug (69.5%); Falco rusticolus (22.6%)		
							specimens	1,028	20,889 (39.9%)	W (81.6%); C (11.6%); F (5.3%)	MN (59.7%); US (19.1%); CA (9.2%)	CN (59.2%); CA (19.3%); US (12%); GB (5.7%)	MN-CN (59.2%); US-CA (19%); CA-US (5.9%)	Falco cherrug (59.8%); Falco sparverius (16.6%)

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Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					
							Quantity	Source	Exporters	Importers	Trade route	Taxa
Mammals	Artiodactyla	Bovidae	64	47,252	derivatives	71	28,581 (60.5%)	I (68.4%); O (31.5%)	CN (98.6%)	NZ (63.4%); JP (31.5%)	CN-NZ (62.4%); CN-JP (31.5%)	<i>Saiga tatarica</i> (97.5%); <i>Bos mutus</i> (2.4%)
					specimens	130	6,819 (14.4%)	W (58.1%); F (19.3%); C (18.5%)	OM (15.4%); KZ (14%); AE (13.1%); MX (10.9%); AU (15.8%)	GB (29.9%); US (24.9%); DE (21.9%); CI (7.7%); ZA (7.2%); CM (6.4%); MN (6.1%)	OM-AU (15.4%); AE-GB (13%); MX-US (10.9%); KZ-DE (9.3%); CI-DE (7.5%); CM-US (6.3%)	<i>Oryx leucoryx</i> (20.9%); <i>Saiga tatarica</i> (15.3%)
					horns	439	4,294 (9.1%)	I (84.2%); W (8.2%); C (5.4%)	IN (87.2%); ZA (6.7%)	US (88.2%); AT (5.2%)	IN-US (82.2%); IN-AT (5.1%)	<i>Boselaphus tragocamelus</i> (82.2%); <i>Bubalus arnee</i> (5.1%)
					bones	8	3,554 (7.5%)	I (99.3%)	IN (99.3%)	US (99.3%)	IN-US (99.3%)	<i>Bubalus arnee</i> (99.3%); <i>Damaliscus pygargus</i> (<i>pygargus</i>) (0.5%)
					medicine	219	3,225 (6.8%)	I (99.8%)	VN (77.2%); CN (22.3%)	US (100%)	VN-US (77.2%); CN-US (22.3%)	<i>Saiga tatarica</i> (99.8%); <i>Saiga borealis</i> (0.1%)
Reptiles	Testudines	Testudinidae	3	40,729	specimens	219	21,879 (53.7%)	W (66.5%); C (22.9%); F (5.9%)	MG (39.6%); MM (13.1%); EC (10.3%); MX (9%); US (7.5%); MU (6.3%)	US (66.6%); GB (10.7%); CH (9.9%); DE (8.4%)	MG-US (36.4%); MM-US (13.1%); MX-US (9%); EC-US (7%); MU-GB (6.3%); US-CH (6.2%)	<i>Astrochelys radiata</i> (15.6%); <i>Geochelone platynota</i> (12.7%)
					derivatives	5	9,759 (24%)	I (99.9%)	CN (65.6%); HK (31%)	NZ (94.3%); US (5.6%)	CN-NZ (60%); HK-NZ (31%); CN-US (5.6%)	<i>Testudinidae</i> spp. (99.2%); <i>Testudo</i> spp. (0.6%)
					extract	0	6,472 (15.9%)	I (92.7%); C (7.3%)	HK (92.7%); MM (7.3%)	US (100%)	HK-US (92.7%); MM-US (7.3%)	<i>Testudinidae</i> spp. (92.7%); <i>Geochelone platynota</i> (7.3%)

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Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term						
							Quantity	Source	Exporters	Importers	Trade route	Taxa	
Mammals	Perissodactyla	Rhinocerotidae	10	39,578	specimens	245	35,501 (89.7%)	W (97.4%)	ZA (47.5%)	ZA (48.7%); CA (26.4%); CH (16.4%)	NA-ZA (36.9%); ZA-CA (26.3%); ZA-CH (16.4%)	<i>Diceros bicornis</i> <i>Ceratotherium simum</i> (26.8%)	
Mammals	Primates	Cebidae	20	38,349	specimens	712	37,390 (97.5%)	C (54.2%); W (41.1%)	DE (42.5%); PE (16.2%); BR (11%); CR (9.6%)	US (54.7%); CH (18.6%); DE (13.6%); JP (6.2%)	DE-US (19.9%); DE-CH (18.4%); PE-US (16.1%); CR-DE (5.4%)	<i>Callithrix jacchus</i> <i>Cebus capucinus</i> (10.7%)	
Reptiles	Sauria	Iguanidae	8	37,987	specimens	274	32,303 (85%)	W (94.2%)	EC (25.1%); KY (22.2%); BS (16.3%); TC (9%); JM (8.4%); DO (5.8%)	US (71.3%); IT (10.9%); DE (9%)	KY-US (20.8%); BS-US (16.3%); EC-IT (10.9%); TC-US (9%); EC-DE (9%); JM-US (8.4%); DO-US (5.8%)	<i>Cyclura cychlura</i> <i>Amblyrhynchus cristatus</i> (12.4%)	
							eggs	0	3,471 (9.1%)	I (100%)	SV (50.1%); XX (16.7%); HN (11.4%); MX (8.8%); GT (6.8%)	US (100%)	SV-US (50.1%); XX-US (16.7%); HN-US (11.4%); MX-US (8.8%); GT-US (6.8%)
Mammals	Cetacea	Delphinidae	3	24,900	specimens	832	21,902 (88%)	W (83.1%); C (8%)	US (18.9%); BR (8.9%); BS (7.4%); NZ (5.8%); KH (5.1%)	US (43.1%); GB (15%); CA (8.1%)	US-CA (8.1%); US-GB (7.6%); BS-US (7.4%); BR-US (6.7%)	<i>Tursiops truncatus</i> <i>Orcinus orca</i> (9.6%)	
							skin pieces	1,286 (5.2%)	W (91.7%); X (7.8%)	BR (40.2%); FR (19.7%); FK (9.3%); ZZ (7.8%); CL (5.6%)	US (32.5%); BR (25.1%); AU (22.9%); NZ (7.8%); XX (5.3%)	BR-AU (22.9%); FR-BR (19.7%); BR-US (16.3%); FK-US (9.3%); ZZ-NZ (7.8%); CL-XX (5.3%)	<i>Tursiops truncatus</i> <i>Orcinus orca</i> (10.7%)
							teeth	49	1,272 (5.1%)	W (99.3%)	BR (56%); FO (13.4%); AR (10.6%); SB (7.3%)	US (56.2%); AU (12.1%); NZ (10.1%); DK (8.1%); NO (6%)	BR-US (41.7%); BR-AU (11.8%); AR-US (10%); FO-DK (7.5%); SB-NZ (7.3%); FO-NO (5.9%)

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Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term							
							Quantity	Source	Exporters	Importers	Trade route	Taxa		
Birds	Apodiformes	Trochilidae	1	23,044	specimens	1,597	16,056 (69.7%)	W (98.5%)	PE (34.7%); BR (16.2%); TT (13.5%); GT (13.2%); MX (6.6%)	US (81.9%); DE (12.9%)	PE-US (34.3%); TT-US (13.5%); GT-US (12.9%); BR-DE (12.1%); MX-US (5.8%)	<i>Phaethornis longuemareus</i>		
							feathers	232	6,886 (29.9%)	W (99.7%)	TT (57.7%); BR (31%); EC (6%)	US (68.5%); PT (30.5%)	TT-US (57.7%); BR-PT (30.5%); EC-US (6%)	<i>Phaethornis longuemareus</i> <i>Leucochloris albicollis</i> (7%)
Reptiles	Sauria	Varanidae	4	18,919	meat	21	9,339 (49.4%)	W (100%)	MY (100%)	HK (100%)	MY-HK (100%)	<i>Varanus salvator</i> (>99.9%); <i>Varanus</i> spp. (<0.1%)		
							skin pieces	2,495	6,884 (36.4%)	W (99.2%)	ID (68.8%); SB (20.9%); MY (8.7%)	SG (29.1%); US (25.2%); CN (21.8%)	ID-SG (29.1%); ID-CN (21.8%); SB-XV (20.9%); XV (20.9%)	<i>Varanus salvator</i> (77.5%); <i>Varanus indicus</i> (16.9%)
							skeletons	5	1,505 (8%)	W (99.9%)	MY (99.7%)	JP (99.7%)	MY-JP (99.7%)	<i>Varanus salvator</i> (99.9%); <i>Varanus</i> spp. (0.1%)
Reptiles	Testudines	Geoemydidae	2	17,419	medicine	98	11,701 (67.2%)	I (100%)	VN (70.5%); CN (29.4%)	US (100%)	VN-US (70.5%); CN-US (29.4%)	<i>Mauremys reevesii</i> (99.1%); <i>Cuora trifasciata</i> (0.6%)		
							specimens	32	3,688 (21.2%)	W (72.5%); Unspecified (15.9%); C (10.6%)	MM (38.6%); BD (21.8%); PH (20.8%); KH (10.8%)	US (40.6%); SG (33%); AT (21.9%)	MM-SG (24.2%); BD-AT (21.8%); PH-US (20.8%); MM-US (14.4%); KH-SG (8.1%)	<i>Batagur trivittata</i> (38.6%); <i>Batagur baska</i> (21.9%)
							derivatives	21	1,890 (10.9%)	I (100%)	CN (83.1%); HK (10.6%); KR (6.3%)	NZ (91.1%); US (8.9%)	CN-NZ (74.2%); HK-NZ (10.6%); CN-US (8.9%); KR-NZ (6.3%)	<i>Cuora</i> spp. (91.2%); <i>Heosemys grandis</i> (8.8%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term							
							Quantity	Source	Exporters	Importers	Trade route	Taxa		
Mammals	Carnivora	Phocidae	7	16,506	specimens	38	12,862 (77.9%)	W (98.6%)	FK (86.5%); AQ (6.3%)	MX (82%); US (11.2%)	FK-MX (82%); AQ-US (6.3%)	<i>Mirounga leonina</i> (96.5%); <i>Monachus schauinslandi</i> (1.8%)		
							skin pieces	4	2,014 (12.2%)	W (100%)	FK (99.3%)	MX (99.3%)	FK-MX (99.3%)	<i>Mirounga leonina</i> (100%)
							hair	4	1,565 (9.5%)	W (98.2%)	BR (63.9%); AQ (28.2%); GR (6.8%)	US (98.1%)	BR-US (63.9%); AQ-US (26.3%); GR-US (6.8%)	<i>Mirounga leonina</i> (93.2%); <i>Monachus monachus</i> (6.8%)
Mammals	Primates	Atelidae	7	14,500	specimens	194	13,499 (93.1%)	W (98.6%)	MX (41.4%); CR (9.4%); CO (8.7%); PA (7.8%); PE (7.7%); AR (7.4%); BO (6.3%)	US (49.7%); DE (11.4%); GB (11%); ES (11%)	MX-US (11.1%); MX-GB (11%); MX-ES (9.9%); PA-US (7.8%); AR-US (7.4%); PE-US (6.5%); BO-US (6.3%); MX-DE (5.7%); CO-US (5.1%)	<i>Alouatta palliata</i> (30.1%); <i>Ateles geoffroyi</i> (18.1%)		
							feathers	30	6,092 (44.6%)	W (88.8%); I (9.4%)	AR (65.2%); ES (17.4%); CA (7%)	ES (64.2%); CH (17.4%); US (15.8%)	AR-ES (64.2%); ES-CH (17.4%); CA-US (6.8%)	<i>Athene cunicularia</i> (66.4%); <i>Bubo bubo</i> (9.3%)
Mammals	Artiodactyla	Tayassuidae	1	13,328	skin pieces	24	12,009 (90.1%)	W (100%)	PE (100%)	HU (100%)	PE-HU (100%)	<i>Pecari tajacu</i> (93.8%); <i>Tayassu pecari</i> (6.2%)		
							specimens	20	1,275 (9.6%)	W (97.1%)	BR (31.5%); GF (21.2%); FR (21.2%); PE (19.4%)	BR (58.7%); AU (16.4%); US (15.1%)	GF-BR (21.2%); FR-BR (21.2%); PE-BR (16.3%); BR-AU (15.7%); BR-US (15.1%)	<i>Tayassu pecari</i> (85.5%); <i>Pecari tajacu</i> (14.4%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term			Exporters	Importers	Trade route	Taxa	
							Quantity	Source						
Birds	Psittaciformes	Loriidae	1	12,716	specimens	869	9,908 (77.9%)	C (96.4%)		AU (96.1%)	ZA (94.7%)	AU-ZA (94.6%)	<i>Trichoglossus haematodus</i> (58.2%); <i>Trichoglossus chlorolepidotus</i> (19.3%)	
							feathers	50	1,871 (14.7%)	W (99.7%)	AU (71.4%); PG (28.6%)	GB (53.5%); US (21.8%); AU (12%); NZ (6.6%)	AU-GB (53.5%); PG-AU (12%); AU-US (10.9%); PG-US (10.8%); AU-NZ (6.5%)	<i>Trichoglossus haematodus</i> (71.1%); <i>Charmosyna papou</i> (18.2%)
Reptiles	Testudines	Emydidae	2	9,981	derivatives	0	4,860 (48.7%)	Unspecified (84.9%); I (15.1%)	US (84.9%); CN (14.8%)	NL (84.9%); NZ (14.6%)	US-NL (84.9%); CN-NZ (14.3%)	<i>Graptemys pseudogeographica</i> (69.4%); <i>Graptemys ouachitensis</i> (15.4%)		
							unspecified	0	3,000 (30.1%)	Unspecified (100%)	CN (100%)	NL (100%)	CN-NL (100%)	<i>Graptemys pseudogeographica</i> (100%)
							extract	0	2,000 (20%)	Unspecified (100%)	US (100%)	IT (100%)	US-IT (100%)	<i>Graptemys pseudogeographica</i> (100%)
Birds	Sphenisciformes	Spheniscidae	1	8,713	specimens	42	5,274 (60.5%)	W (99.9%)	PE (72.3%); ZA (19.9%); CL (5.4%)	US (89.6%); BR (7.5%)	PE-US (70.1%); ZA-US (19.5%); CL-BR (5.4%)	Spheniscus humboldti (77.8%); Spheniscus demersus (22.2%)		
							feathers	4	3,377 (38.8%)	W (98.3%)	PE (80.5%); ZA (19.5%)	US (78.7%); PT (21.3%)	PE-US (59.2%); PE-PT (21.3%); ZA-US (19.5%)	Spheniscus humboldti (80.5%); Spheniscus demersus (19.5%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa
							Quantity	Source				
Birds	Gruiformes	Gruidae	1	8,377	meat	0	3,836 (45.8%)	W (98.9%)	CA (100%)	US (100%)	CA-US (100%)	<i>Grus canadensis</i> (99.9%); <i>Grus</i> spp. (0.1%)
					feathers	19	2,731 (32.6%)	W (85.5%); U (14.5%)	AU (51.5%); UA (14.5%); ES (13.8%); US (9.1%); CA (6%)	DE (54%); FI (14.5%); CH (13.8%); CA (9.2%); US (6%)	AU-DE (51.4%); UA-FI (14.5%); ES-CH (13.8%); US-CA (9.1%); CA-US (6%)	<i>Grus grus</i> (33.4%); <i>Grus rubicunda</i> (25.8%)
					specimens	76	1,599 (19.1%)	W (96.6%)	IL (44.7%); CA (30.5%); US (6.8%)	US (76.2%); DE (10.6%); CA (5.3%)	IL-US (44.7%); CA-US (30.5%); US-CA (5.3%)	<i>Grus grus</i> (49.2%); <i>Grus americana</i> (30.5%)
Birds	Psittaciformes	Cacatuidae	1	8,122	specimens	587	4,100 (50.5%)	C (75.5%); W (15.3%); F (8.7%)	AU (80.4%); IL (8.7%); PH (5.8%)	ZA (64.3%); DE (18%); US (10.2%)	AU-ZA (64.2%); IL-DE (8.7%); AU-US (8%); PH-DE (5.5%)	<i>Eolophus roseicapilla</i> ; <i>Cacatua leadbeateri</i> (44.9%)
					feathers	221	3,500 (43.1%)	W (56.2%); C (29.3%); F (11.4%)	AU (87.9%); PG (6.2%)	US (34.7%); GB (29.1%); CA (12.3%); NZ (9.7%)	AU-US (31.6%); AU-GB (28.7%); AU-CA (12.3%); AU-NZ (5.6%)	<i>Cacatua galerita</i> (51.3%); <i>Calyptorhynchus banksii</i> (21.8%)
					specimens	160	5,986 (95.3%)	W (100%)	GL (42.4%); US (20.4%); NO (9.2%); MX (8.9%); UA (7.5%)	DK (30%); CA (19%); DE (12.6%); ES (11.7%); US (7.7%); XX (6.4%)	GL-DK (26.4%); US-CA (18.8%); GL-ES (11%); MX-XX (5.4%); NO-DE (5.2%)	<i>Phocoena phocoena</i> (88.1%); <i>Phocoena sinus</i> (8.9%)
Birds	Anseriformes	Anatidae	1	6,184	feathers	5	6,116 (98.9%)	C (50.8%); I (49.1%)	CN (99.8%)	US (99.9%)	CN-US (99.8%)	<i>Anas aucklandica</i> (50.8%); <i>Sarkidiornis melanotos</i> (49.1%)
Reptiles	Sauria	Chamaeleonidae	2	6,105	specimens	197	5,581 (91.4%)	W (95.6%)	MG (72.2%); ZA (7.7%); UG (5.1%)	US (65.7%); DE (16.2%); PT (14%)	MG-US (39.2%); MG-DE (15.6%); MG-PT (14%); ZA-US (7%); UG-US (5.1%)	<i>Furcifer</i> spp. (11.5%); <i>Furcifer labordi</i> (8.6%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term				Trade route	Taxa
							Quantity	Source	Exporters	Importers		
Mammals	Carnivora	Odobenidae	2	5,811	tusks	583	2,004 (34.5%)	W (94.6%)	CA (81.6%); US (14.9%)	CN (23%); DE (19.2%); JP (17.5%); KR (14.2%)	CA-CN (22.9%); CA-DE (19.1%); CA-JP (17.4%); US-KR (14.2%)	Odobenus rosmarus (100%)
					specimens	21	1,581 (27.2%)	W (94.9%)	GL (66.2%); RU (10.8%); US (10.5%); NO (10.1%)	DK (68.9%); US (12.3%); CA (10.2%); DE (5.2%)	GL-DK (66.2%); RU-US (10.7%); US-CA (10.2%); NO-DE (5.1%)	Odobenus rosmarus (100%)
					teeth	75	1,065 (18.3%)	W (96.2%)	CA (93.1%); GL (5.5%)	JP (59%); DE (23.3%); CN (7.8%)	CA-JP (58.9%); CA-DE (23%); CA-CN (7.6%)	Odobenus rosmarus (100%)
					bones	451	889 (15.3%)	W (98.3%)	CA (64.9%); GL (34.4%)	DE (26.1%); DK (24%); JP (13%); CN (7.5%); BE (5.5%)	CA-DE (22.7%); GL-DK (16%); CA-JP (13%); CA-DK (8%)	Odobenus rosmarus (100%)
Mammals	Cetacea	Monodontidae	1	5,347	tusks	1,960	2,725 (51%)	W (99.2%)	CA (90.2%); GL (9.6%)	CN (45.4%); JP (13%); DK (9.3%); FR (5.9%)	CA-CN (45.4%); CA-JP (13%); GL-DK (9.2%); CA-FR (5.9%)	Monodon monoceros (100%)
					specimens	78	2,168 (40.5%)	W (92.6%); I (7.4%)	CA (54.2%); GL (21.4%); US (12.5%); RU (7.4%)	US (47%); DK (27.5%); GB (7.9%); CA (7.1%)	CA-US (41.9%); GL-DK (21.2%); CA-GB (7.8%); US-CA (7%); RU-US (5.1%)	Delphinapterus leucas (64.8%); Monodon monoceros (35.2%)
					teeth	59	355 (6.6%)	W (79.7%); O (19.4%)	CA (59.2%); GL (21.1%); DK (18.3%)	IT (20%); CA (18.9%); DK (16.3%); CN (14.9%); FR (10.4%); JP (9%)	CA-IT (20%); DK-CA (18.3%); GL-DK (16.3%); CA-CN (14.9%); CA-FR (10.1%); CA-JP (8.7%)	Monodon monoceros (72.4%); Delphinapterus leucas (27.6%)
					specimens	89	4,652 (95.1%)	W (91%); C (7.9%)	MG (91.2%)	US (66.4%); CA (15.4%); JP (6.4%)	MG-US (61.8%); MG-CA (13%); MG-JP (6.4%)	Lemuridae spp. (47.7%); Lemur catta (37.1%)
Mammals	Primates	Lemuridae	3	4,890	specimens	89	4,652 (95.1%)	W (91%); C (7.9%)	MG (91.2%)	US (66.4%); CA (15.4%); JP (6.4%)	MG-US (61.8%); MG-CA (13%); MG-JP (6.4%)	Lemuridae spp. (47.7%); Lemur catta (37.1%)
Mammals	Primates	Aotidae	5	4,051	specimens	51	4,027 (99.4%)	W (56.3%); C (42.3%)	PE (46.2%); PA (37.7%); AR (13%)	US (88.8%); GB (6.2%)	PE-US (42.9%); PA-US (31.3%); AR-US (13%); PA-GB (6.2%)	Aotus nancymaae (38.1%); Aotus lemurinus (37.7%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term						
							Quantity	Source	Exporters	Importers	Trade route	Taxa	
Mammals	Perissodactyla	Equidae	56	4,051	specimens	38	1,946 (48%)	W (89.8%); C (9%)	ZA (22.4%); MN (20.7%); KE (16.4%); HU (8.5%); KZ (7.7%)	DE (35.7%); US (34.5%); AT (21.8%)	ZA-DE (21.9%); KE-US (16.3%); NA-DE (13.7%); MN-AT (13.7%); NA-US (9.2%); HIU-US (8.5%); KZ-AT (7.7%)	<i>Equus zebra</i> <i>hartmannae</i> <i>zebra zebra</i> (23.1%); <i>Equus</i> (22.3%)	
							feet	909 (22.4%)	W (98.6%)	ZA (11.3%)	DE (40.9%); US (27%); AT (8.1%); ZA (6.6%)	NA-DE (39.6%); NA-US (18.3%); ZA-US (8.7%); NA-AT (8.1%); NA-ZA (6.6%)	<i>Equus zebra</i> <i>hartmannae</i> (99.6%); <i>Equus</i> <i>zebra zebra</i> (0.4%)
							skin pieces	667 (16.5%)	W (99.3%)	ZA (6.1%)	US (21.9%); DE (21.6%); ZA (18%); AT (8.7%); RU (7.8%)	NA-DE (21.6%); NA-ZA (18%); NA-US (16.3%); NA-AT (8.7%); NA-RU (7.8%); ZA-US (5.4%)	<i>Equus zebra</i> <i>hartmannae</i> (100%)
Reptiles	Serpentes	Boidae	2	3,762	specimens	193	2,766 (73.5%)	W (98.6%)	BS (37.7%); HN (16.3%); AR (12.4%); PG (11.8%); TC (5.6%)	US (78.5%); GB (17.2%)	BS-US (37.4%); HN-GB (16.3%); AR-US (12.4%); PG-US (10.2%); TC-US (5.6%)	<i>Epicrates striatus</i> (24.7%); <i>Boa</i> <i>constrictor</i> (21.7%)	
							skin pieces	725 (19.3%)	W (96.6%)	AR (93.8%)	US (74.5%); IT (13.8%); JP (8.3%)	AR-US (68.6%); AR-IT (13.8%); AR-JP (8.3%)	<i>Eunectes notaeus</i> (93.8%); <i>Epicrates</i> <i>subflavus</i> (2.8%)
							derivatives	197 (5.2%)	W (71.1%); F (25.4%)	AW (50.8%); ID (25.4%); SB (20.3%)	US (71.1%); FR (25.4%)	AW-US (50.8%); ID-FR (25.4%); SB-US (20.3%)	<i>Boa constrictor</i> (53.8%); <i>Candoia</i> <i>aspera</i> (25.4%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					
							Quantity	Source	Exporters	Importers	Trade route	Taxa
Reptiles	Testudines	Podocnemididae	1	3,715	specimens	26	2,523 (67.9%)	W (72.4%); C (22.9%)	MG (44%); BR (24.8%); PE (14%); VE (9.5%); CO (7.6%)	GB (44%); AU (20.2%); US (19.4%); FR (14%)	MG-GB (44%); BR-AU (20.2%); PE-FR (14%); VE-US (9.5%); CO-US (7.6%)	<i>Erymnochelys madagascariensis</i> (44%); <i>Podocnemis expansa</i> (16.6%)
							420 (11.3%)	W (97.1%)	BR (97.4%)	US (84%); AU (13.8%)	BR-US (83.6%); BR-AU (13.8%)	<i>Podocnemis sextuberculata</i> (83.3%); <i>Podocnemis expansa</i> (6.2%)
					derivatives	2	340 (9.2%)	W (100%)	BR (100%)	US (100%)	BR-US (100%)	<i>Podocnemis sextuberculata</i> (100%)
							231 (6.2%)	I (86.1%); W (13.9%)	PE (69.7%); HN (16.5%); CO (13.9%)	US (100%)	PE-US (69.7%); HN-US (16.5%); CO-US (13.9%)	<i>Podocnemis</i> spp. (43.3%); <i>Podocnemis expansa</i> (37.2%)
					eggs	1	200 (5.4%)	W (100%)	BR (100%)	US (100%)	BR-US (100%)	<i>Podocnemis unifilis</i> (100%)
Mammals	Primates	Lorisidae	3	3,073	specimens	8	3,042 (99%)	W (99.9%)	ID (65.8%); XX (18.1%); CI (13.3%)	AU (83.8%); DE (15.6%)	ID-AU (65.7%); XX-AU (18.1%); CI-DE (13.2%)	<i>Nycticebus coucang</i> (83.9%); <i>Perodicticus potto</i> (13.6%)
Birds	Columbiformes	Columbidae	1	3,070	eggs	1	1,550 (50.5%)	Unspecified (51.6%); W (48.4%)	MU (100%)	GB (51.6%); US (48.4%)	MU-GB (51.6%); MU-US (48.4%)	<i>Nesoenas mayeri</i> (100%)
							1,218 (39.7%)	W (87.4%); (8.2%)	MU (53.4%); PG (41.3%)	GB (55.3%); AU (41.3%)	MU-GB (53.1%); PG-AU (41.3%)	<i>Nesoenas mayeri</i> (56.2%); <i>Columbidae</i> spp. (41.1%)
					specimens	31	291 (9.5%)	F (91.8%); W (7.6%)	US (91.8%); PG (7.6%)	GB (91.8%)	US-GB (91.8%)	<i>Nesoenas mayeri</i> (91.8%); <i>Goura scheepmakeri</i> (4.5%)

Annex D: Full trade summaries by taxonomic family
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Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa
							Quantity	Source				
Birds	Strigiformes	Tytonidae	1	2,935	specimens	96	2,467 (84.1%)	W (98.6%)	IL (64.5%); US (17.2%); CH (13.1%); CA (12.2%)	US (79.8%); CH (13.1%); CA-US (12.2%)	IL-US (63.6%); US-CH (12.8%); CA-US (12.2%)	<i>Tyto alba</i> (>99.9%); <i>Tyto capensis</i> (<0.1%)
					feathers	8	282 (9.6%)	I (64.2%); W (18.1%); C (17.7%)	MX (40.1%); DO (35.5%); US (15.2%)	US (66.7%); GB (17.7%); CH (15.2%)	MX-US (40.1%); DO-US (17.7%); DO-GB (17.7%); US-CH (15.2%)	<i>Tyto alba</i> (86.5%); <i>Tyto glaurops</i> (8.9%)
					eggs	7	150 (5.1%)	W (100%)	TG (100%)	JP (100%)	TG-JP (100%)	<i>Tyto alba</i> (100%)
Mammals	Pilosa	Bradypodidae	9	2,891	specimens	36	2,334 (80.7%)	W (98.3%)	CR (77%); BR (22.5%)	US (56.6%); PT (22.5%); DE (12.9%); GB (8%)	CR-US (56.2%); BR-PT (22.5%); CR-DE (12.9%); CR-GB (8%)	<i>Bradypus</i> <i>variegatus</i> (100%)
					hair	5	355 (12.3%)	W (74.6%); I (25.4%)	CR (99.2%)	US (71.8%); GB (28.2%)	CR-US (71%); CR-GB (28.2%)	<i>Bradypus</i> <i>variegatus</i> (100%)
Birds	Gruiformes	Otididae	1	2,734	specimens	26	1,287 (47.1%)	C (51.5%); W (42.4%)	UZ (50.5%); RU (31.1%); KE (9.3%)	IL (46.6%); GB (27.5%); US (18.5%)	UZ-IL (46.6%); RU-GB (26.4%); KE-US (9.3%)	<i>Chlamydotis</i> <i>undulata</i> (52.9%); <i>Otis tarda</i> (31.3%)
					feathers	11	1,232 (45.1%)	W (96.5%)	MN (55.1%); ES (21.5%); KZ (9.7%); TR (5.9%)	US (68.7%); CH (21.5%); ES (5.9%)	MN-US (54.7%); ES-CH (21.5%); KZ-US (9.7%); TR-ES (5.9%)	<i>Otis tarda</i> (92.3%); <i>Ardeotis kori</i> (2.5%)
					derivatives	2	1,335 (50.1%)	W (69.7%); I (19.1%); C (11.2%)	BR (80.9%); XX (9.7%)	AT (69.7%); AU (19.1%); CA (11.2%)	BR-AT (69.7%); BR-CA (11.2%); XX-AU (9.7%)	<i>Ozotoceros</i> <i>bezoarticus</i> (69.7%); <i>Cervidae</i> spp. (19.1%)
Mammals	Artiodactyla	Cervidae	40	2,664	specimens	28	669 (25.1%)	W (88.2%); F (8.1%)	CL (52.9%); AR (27.8%); IL (8.1%); UY (6.9%)	ES (44.5%); CL (33.8%); CA (15.8%); UY (6.9%)	CL-ES (36.5%); AR-CL (27.8%); CL-CA (15.8%); IL-ES (8.1%); UY-CL (6%)	<i>Hippocamelus</i> <i>bisulcus</i> (50.7%); <i>Pudu puda</i> (36.9%)
					tails	0	500 (18.8%)	Unspecified (100%)	XX (100%)	GB (100%)	XX-GB (100%)	<i>Odocoileus</i> <i>virginianus</i> <i>mayensis</i> (100%)

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Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa
							Quantity	Source				
Reptiles	Sauria	Gekkonidae	2	2,325	specimens	63	1,590 (68.4%)	W (99.9%)	MG (87.8%); MU (11.8%)	US (41.4%); DE (27.8%); PT (18.1%); IT (8.1%)	MG-US (31.1%); MG-DE (27.8%); MG-PT (18.1%); MU-US (10%); MG-IT (8.1%)	<i>Phelsuma lineata</i> (14.7%); <i>Uroplatus sikorae</i> (13%)
							tails	10				
Mammals	Primates	Pitheciidae	2	1,866	specimens	81	1,850 (99.1%)	W (99.2%)	PE (57.8%); SR (29.9%)	US (61.6%); ES (26.5%); GB (10.4%)	SR-US (29.9%); PE-ES (26.5%); PE-US (20.3%); PE-GB (10.4%)	<i>Cacajao calvus</i> (36.9%); <i>Pithecia pithecia</i> (30.3%)
							specimens	19				
Mammals	Artiodactyla	Camelidae	24	1,805	specimens	19	1,564 (86.6%)	C (51.5%); W (48.5%)	CL (83.1%); AR (16.5%)	DE (83.1%); US (15%)	CL-DE (83.1%); AR-US (14.6%)	<i>Lama guanicoe</i> (87.9%); <i>Vicugna vicugna</i> (12.1%)
							teeth	1				
Mammals	Carnivora	Viverridae	15	1,534	derivatives	18	1,327 (86.5%)	W (99.8%)	ET (99.8%)	FR (40.3%); KR (37.7%); GB (18.5%)	ET-FR (40.3%); ET-KR (37.7%); ET-GB (18.5%)	<i>Civettictis civetta</i> (99.8%); <i>Viverra zibetha</i> (0.2%)
							specimens	67				
Mammals	Primates	Hylobatidae	5	1,446	specimens	37	1,416 (97.9%)	W (96.2%)	ID (74.9%); VN (23.4%)	US (87.5%); DE (7.9%)	ID-US (70.6%); VN-US (15.5%); VN-DE (7.9%)	<i>Sympalangus syndactylus</i> (70.6%); <i>Nomascus gabriellae</i> (15.5%)
							specimens	68				
Birds	Piciformes	Ramphastidae	1	1,365	feathers	66	695 (50.9%)	W (93.8%); U (6.2%)	SR (84.3%); VE (8.1%); GY (7.5%)	PA (72.2%); US (19.6%); SI (6.2%)	SR-PA (69.9%); SR-US (14.4%); VE-SI (6.2%); GY-US (5.2%)	<i>Pteroglossus aracari</i> (36%); <i>Ramphastos vitellinus</i> (31.9%)
							specimens	68				
								641 (47%)	W (99.1%)	GY (46.2%); SR (32.9%); BR (12.3%)	GY-US (44.8%); SR-US (32.9%); BR-US (12.3%)	<i>Ramphastos vitellinus</i> (33.7%); <i>Ramphastos tucanus</i> (23.6%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa
							Quantity	Source				
Birds	Falconiformes	Cathartidae	1	1,217	specimens	16	924 (75.9%)	W (90.2%)	AR (66.2%); EC (32%)	US (64.6%); BR (32%)	AR-US (63.9%); EC-BR (32%)	<i>Vultur gryphus</i> (99.2%); <i>Gymnogyps californianus</i> (0.6%)
					feathers	6	267 (21.9%)	W (74.9%); I (21.7%)	EC (74.9%); PE (12%)	BR (74.9%); US (24.3%)	EC-BR (74.9%); PE-US (12%)	<i>Vultur gryphus</i> (99.3%); <i>Sarcoramphus papa</i> (0.4%)
Birds	Passeriformes	Paradisaeidae	1	952	feathers	206	806 (84.8%)	W (99.1%)	PG (96.7%)	AU (62%); CH (8.3%); US (6.6%); JP (5.6%)	PG-AU (62%); PG-CH (8.3%); PG-US (6.3%); PG-JP (5.5%)	<i>Paradisaea minor</i> (19.5%); <i>Paradisaea raggiana</i> (18.2%)
					specimens	39	110 (11.6%)	W (50%); U (36.4%); F (7.3%); C (5.5%)	PG (50%); QA (48.2%)	GB (47.3%); US (30%); DK (11.8%); AU (9.1%)	QA-GB (47.3%); PG-US (29.1%); PG-DK (11.8%); PG-AU (9.1%)	<i>Cicinnurus regius</i> (26.4%); <i>Paradisaea rubra</i> (15.5%)
Amphibians	Anura	Bufoidae	1	818	specimens	3	818 (100%)	W (97.8%)	PA (61.1%); GN (36.7%)	US (61.1%); DE (36.7%)	PA-US (61.1%); GN-DE (36.7%)	<i>Atelopus zeteki</i> (61.2%); <i>Nimbaphrynoides occidentalis</i> (36.7%)
Mammals	Carnivora	Procyonidae	23	489	specimens	2	398 (81.4%)	W (100%)	CR (52%); MX (46.2%)	US (100%)	CR-US (52%); MX-US (46.2%)	<i>Nasua narica</i> (95.7%); <i>Nasua nasua solitaria</i> (2.5%)
					derivatives	4	85 (17.4%)	W (100%)	CR (100%)	US (100%)	CR-US (100%)	<i>Nasua narica</i> (100%)
Birds	Struthioniformes	Struthionidae	3	484	eggs (live)	4	168 (34.7%)	W (85.7%); C (14.3%)	MA (100%)	DE (100%)	MA-DE (100%)	<i>Struthio camelus</i> (100%)
					eggs	18	112 (23.1%)	W (80.4%); I (18.8%)	MA (64.3%); SD (16.1%); US (10.7%); XX (8%)	DE (64.3%); TT (10.7%); AU (8%)	MA-DE (64.3%); US-TT (10.7%); XX-AU (8%)	<i>Struthio camelus</i> (100%)
					specimens	10	88 (18.2%)	W (92%); O (5.7%)	NE (79.5%); QA (12.5%)	US (69.3%); XX (22.7%)	NE-US (56.8%); NE-XX (22.7%); QA-US (12.5%)	<i>Struthio camelus</i> (100%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					
							Quantity	Source	Exporters	Importers	Trade route	Taxa
Birds	Struthioniformes	Struthionidae (cont.)			feathers	23	63 (13%)	I (65.1%); W (33.3%)	NG (65.1%); NE (31.7%)	US (96.8%)	NG-US (65.1%); NE-US (31.7%)	<i>Struthio camelus</i> (100%)
					derivatives	4	49 (10.1%)	I (95.9%)	HK (93.9%)	AU (95.9%)	HK-AU (93.9%)	<i>Struthio camelus</i> (100%)
Reptiles	Sauria	Agamidae	2	472	specimens	3	470 (99.6%)	W (58.3%); C (37%)	KW (57.7%); AE (36.8%)	US (63%); IE (36.8%)	KW-US (57.7%); AE-IE (36.8%)	<i>Uromastyx aegyptia</i> (98.9%); <i>Uromastyx ocellata</i> (0.6%)
Birds	Ciconiiformes	Threskiornithidae	1	470	feathers	15	414 (88.1%)	W (100%)	ES (56.8%); MA (43.2%)	CH (56.8%); DE (43.2%)	ES-CH (56.8%); MA-DE (43.2%)	<i>Platalea leucorodia</i> (56.8%); <i>Geronticus eremita</i> (43.2%)
					specimens	24	44 (9.4%)	C (79.5%); W (11.4%); F (9.1%)	CH (63.6%); US (11.4%); KY (9.1%); AT (6.8%)	DE (63.6%); US (20.5%); BR (11.4%)	CH-DE (63.6%); US-BR (11.4%); KY-US (9.1%); AT-US (6.8%)	<i>Geronticus eremita</i> (68.2%); <i>Eudocimus ruber</i> (25%)
Mammals	Rodentia	Cuniculidae	2	253	specimens	4	244 (96.4%)	W (100%)	PE (86.5%); BO (12.7%)	BR (83.6%); US (16%)	PE-BR (83.6%); BO-US (12.7%)	<i>Cuniculus paca</i> (100%)
Mammals	Carnivora	Herpestidae	11	235	specimens	25	171 (72.8%)	W (90.6%); I (9.4%)	JM (81.3%); US (9.4%); BD (9.4%)	US (90.6%); FR (9.4%)	JM-US (81.3%); US-FR (9.4%); BD-US (9.4%)	<i>Herpestes javanicus</i> (<i>auropunctatus</i> (90.6%); <i>Herpestes edwardsi</i> (9.4%))
					hair	1	63 (26.8%)	W (100%)	JM (100%)	US (100%)	JM-US (100%)	<i>Herpestes javanicus</i> (<i>auropunctatus</i> (100%))
Mammals	Rodentia	Sciuridae	38	214	specimens	3	214 (100%)	W (99.5%)	MX (93.5%); MY (6.1%)	DE (93.5%); US (6.5%)	MX-DE (93.5%); MY-US (6.1%)	<i>Cynomys mexicanus</i> (93.5%); <i>Ratufa affinis</i> (6.1%)
Birds	Ciconiiformes	Ciconiidae	1	164	specimens	15	103 (62.8%)	W (91.3%); O (8.7%)	RU (90.3%); CN (5.8%)	JP (90.3%); KR (5.8%)	RU-JP (90.3%); CN-KR (5.8%)	<i>Ciconia boyciana</i> (92.2%); <i>Ciconia nigra</i> (7.8%)
					feathers	1	35 (21.3%)	W (100%)	LV (100%)	US (100%)	LV-US (100%)	<i>Ciconia nigra</i> (100%)
					skin pieces	0	20 (12.2%)	W (100%)	RU (100%)	JP (100%)	RU-JP (100%)	<i>Ciconia boyciana</i> (100%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term				Trade route	Taxa
							Quantity	Source	Exporters	Importers		
Birds	Passeriformes	Emberizidae	4	164	specimens	8	164 (100%)	W (100%)	AR (93.3%); UY (6.7%)	DE (90.9%)	AR-DE (90.9%)	<i>Gubernatrix cristata</i> (92.1%); <i>Paroaria coronata</i> (7.9%)
Mammals	Carnivora	Hyaenidae	13	143	specimens	9	99 (69.2%)	W (91.9%); I (8.1%)	ZA (47.5%); TZ (34.3%); ET (8.1%)	US (57.6%); DE (41.4%)	ZA-US (46.5%); TZ-DE (33.3%); ET-US (8.1%); NA-DE (8.1%)	<i>Proteles cristata</i> (98%); <i>Hyaena hyaena</i> (2%)
Mammals	Diprotodontia	Phalangeridae	6	141	specimens	4	103 (73%)	W (100%)	AU (53.4%); PG (30.1%); SB (16.5%)	US (99%)	AU-US (53.4%); PG-US (29.1%); SB-US (16.5%)	<i>Phalanger orientalis</i> (58.3%); <i>Spilocuscus maculatus</i> (21.4%)
					derivatives	4	28 (19.9%)	W (92.9%); I (7.1%)	PG (96.4%)	AU (64.3%); CH (35.7%)	PG-AU (60.7%); PG-CH (35.7%)	<i>Spilocuscus maculatus</i> (92.9%); <i>Phalangeridae spp.</i> (7.1%)
Birds	Falconiformes	Pandionidae	1	133	specimens	11	115 (86.5%)	W (73%); I (27%)	CA (54.8%); US (39.1%)	US (57.4%); CA (33.9%)	CA-US (54.8%); US-CA (33%)	<i>Pandion haliaetus</i> (100%)
					eggs	1	11 (8.3%)	W (100%)	US (100%)	CA (100%)	US-CA (100%)	<i>Pandion haliaetus</i> (100%)
Mammals	Artiodactyla	Suidae	43	123	specimens	2	123 (100%)	W (99.2%)	ID (99.2%)	BE (99.2%)	ID-BE (99.2%)	<i>Babyrousa babyrussa</i> (100%)
Mammals	Primates	Galagidae	7	89	specimens	19	87 (97.8%)	W (48.3%); I (46%); C (5.7%)	TZ (57.5%); CM (18.4%); KE (9.2%); GB (5.7%)	US (59.8%); SE (18.4%); ZA (18.4%); KE-US (9.2%); GB-US (5.7%)	TZ-US (39.1%); CM-ZA (18.4%); TZ-SE (18.4%); KE-US (9.2%); GB-US (5.7%)	<i>Galago zanzibaricus</i> (36.8%); <i>Otolemur garnettii</i> (16.1%)
Reptiles	Testudines	Chelydridae	1	87	eggs	1	84 (96.6%)	W (100%)	US (100%)	CA (100%)	US-CA (100%)	<i>Chelydra serpentina</i> (100%)
Mammals	Pilosa	Myrmecophagidae	8	84	specimens	6	78 (92.9%)	W (94.9%); F (5.1%)	PA (89.7%); PE (5.1%)	US (94.9%)	PA-US (89.7%); PE-US (5.1%)	<i>Myrmecophaga tridactyla</i> (96.2%); <i>Tamandua mexicana</i> (3.8%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					Taxa
							Quantity	Source	Exporters	Importers	Trade route	
Birds	Cuculiformes	Musophagidae	1	62	feathers	7	43 (69.4%)	W (86%); I (14%)	NG (60.5%); CI (18.6%); CM (14%)	DE (86%); US (14%)	NG-DE (60.5%); CI-DE (18.6%); CM-US (14%)	<i>Tauraco persa</i> (69.8%); <i>Tauraco spp.</i> (30.2%)
					specimens	6	15 (24.2%)	W (93.3%); F (6.7%)	MW (40%); CG (20%); CM (13.3%); ZA (6.7%); CD (6.7%); US (6.7%); CI (6.7%)	DE (53.3%); US (46.7%)	MW-US (40%); CG-DE (20%); CM-DE (13.3%); ZA-US (6.7%); US-DE (6.7%); CD-DE (6.7%); CI-DE (6.7%)	<i>Tauraco persa</i> (33.3%); <i>Tauraco porphyreolophus</i> (20%)
					eggshell	2	4 (6.5%)	W (100%)	ZA (100%)	GB (100%)	ZA-GB (100%)	<i>Tauraco schalowi</i> (50%); <i>Tauraco porphyreolophus</i> (50%)
Birds	Passeriformes	Estrildidae	2	53	specimens	1	52 (98.1%)	W (98.1%)	AU (98.1%)	US (98.1%)	AU-US (98.1%)	<i>Poephila cincta cincta</i> (98.1%); <i>Lonchura oryzivora</i> (1.9%)
Birds	Passeriformes	Fringillidae	2	40	specimens	1	40 (100%)	W (100%)	VE (75%); GY (20%)	US (100%)	VE-US (75%); GY-US (20%)	<i>Carduelis cucullata</i> (100%)
Birds	Passeriformes	Muscicapidae	1	37	specimens	8	27 (73%)	W (92.6%); F (7.4%)	GH (88.9%); US (7.4%)	JP (88.9%); DE (11.1%)	GH-JP (88.9%); US-DE (7.4%)	<i>Picathartes gymnocephalus</i> (96.3%); <i>Picathartes oreas</i> (3.7%)
					feathers	0	10 (27%)	I (100%)	VN (100%)	US (100%)	VN-US (100%)	<i>Leiothrix argentauris</i> (70%); <i>Garrulax canorus</i> (30%)
Amphibians	Anura	Microhylidae	1	33	specimens	4	33 (100%)	W (100%)	MG (100%)	US (87.9%); DE (12.1%)	MG-US (87.9%); MG-DE (12.1%)	<i>Scaphiophryne marmorata</i> (60.6%); <i>Dyscophus insularis</i> (27.3%)
Amphibians	Anura	Dicoglossidae	1	30	unspecified	1	20 (66.7%)	Unspecified (100%)	BD (100%)	XX (100%)	BD-XX (100%)	<i>Hoplobatrachus tigerinus</i> (100%)
					specimens	6	10 (33.3%)	W (100%)	MG (100%)	US (100%)	MG-US (100%)	<i>Hoplobatrachus tigerinus</i> (100%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term					
							Quantity	Source	Exporters	Importers	Trade route	Taxa
Mammals	Cingulata	Dasypodidae	7	27	specimens	1	15 (55.6%)	W (100%)	BO (100%)	AR (100%)	BO-AR (100%)	<i>Chaetophractus nationi</i> (100%)
					claws	4	12 (44.4%)	U (91.7%); I (8.3%)	VE (91.7%); BR (8.3%)	SI (91.7%); US (8.3%)	VE-SI (91.7%); BR-US (8.3%)	<i>Priodontes maximus</i> (100%)
Mammals	Rodentia	Dasyproctidae	6	25	specimens	3	14 (56%)	W (100%)	PE (78.6%); BO (21.4%)	US (100%)	PE-US (78.6%); BO-US (21.4%)	<i>Dasyprocta punctata</i> (100%)
					powder	0	7 (28%)	W (100%)	PE (100%)	US (100%)	PE-US (100%)	<i>Dasyprocta punctata</i> (100%)
					hair	0	4 (16%)	W (100%)	PE (100%)	US (100%)	PE-US (100%)	<i>Dasyprocta punctata</i> (100%)
Birds	Passeriformes	Meliphagidae	1	23	eggs	1	17 (73.9%)	C (100%)	AU (100%)	GB (100%)	AU-GB (100%)	<i>Lichenostomus melanops cassidix</i> (100%)
					specimens	1	6 (26.1%)	C (100%)	AU (100%)	GB (100%)	AU-GB (100%)	<i>Lichenostomus melanops cassidix</i> (100%)
Mammals	Carnivora	Eupleridae	2	22	specimens	11	22 (100%)	W (100%)	MG (100%)	US (100%)	MG-US (100%)	<i>Cryptoprocta ferox</i> (100%)
Reptiles	Sauria	Scincidae	1	18	specimens	2	18 (100%)	W (88.9%); C (11.1%)	SB (88.9%); US (11.1%)	US (88.9%); CH (11.1%)	SB-US (88.9%); US-CH (11.1%)	<i>Corucia zebrata</i> (100%)
Mammals	Carnivora	Ailuridae	2	7	specimens	9	7 (100%)	C (71.4%); O (28.6%)	NZ (57.1%); CN (28.6%); XX (14.3%)	GB (57.1%); KR (28.6%); CN (14.3%)	NZ-GB (57.1%); CN-KR (28.6%); XX-CN (14.3%)	<i>Ailurus fulgens</i> (100%)
Birds	Falconiformes	Sagittariidae	1	7	specimens	2	7 (100%)	W (100%)	ZA (85.7%); KE (14.3%)	JP (57.1%); US (42.9%)	ZA-JP (57.1%); ZA-US (28.6%); KE-US (14.3%)	<i>Sagittarius serpentarius</i> (100%)
Birds	Charadriiformes	Scolopacidae	1	7	skeletons	0	5 (71.4%)	W (100%)	CL (100%)	FR (100%)	CL-FR (100%)	<i>Numenius borealis</i> (100%)
					specimens	1	2 (28.6%)	O (100%)	IT (50%); AU (50%)	CH (50%); SG (50%)	AU-CH (50%); IT-SG (50%)	<i>Numenius borealis</i> (50%); <i>Numenius tenuirostris</i> (50%)
Birds	Passeriformes	Sturnidae	1	5	specimens	6	5 (100%)	W (80%); C (20%)	KH (80%); US (20%)	HK (40%); US (40%); KH-HK (40%); CA (20%)	KH-US (40%); KH-HK (40%); US-CA (20%)	<i>Gracula religiosa</i> (100%)
Mammals	Chiroptera	Phyllostomidae	19	3	specimens	0	3 (100%)	W (100%)	EC (100%)	US (100%)	EC-US (100%)	<i>Platyrrhinus lineatus</i> (100%)
Reptiles	Testudines	Chelidae	1	2	specimens	2	2 (100%)	W (100%)	AU (100%)	US (100%)	AU-US (100%)	<i>Pseudemydura umbrina</i> (100%)

Annex D: Full trade summaries by taxonomic family
(Table D2: Trade by number of items that do not equate to one individual)

Group	Order	Family	No. of diseases	Family quantity	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa
							Quantity	Source				
Mammals	Rodentia	Erethizontidae	6	2	bones	1	1 (50%)	C (100%)	GT (100%)	US (100%)	GT-US (100%)	<i>Sphiggurus mexicanus</i> (100%)
					hair	0	1 (50%)	I (100%)	MX (100%)	US (100%)	MX-US (100%)	<i>Sphiggurus mexicanus</i> (100%)
Birds	Charadriiformes	Burhinidae	1	1	specimens	1	1 (100%)	W (100%)	SV (100%)	US (100%)	SV-US (100%)	<i>Burhinus bistriatus</i> (100%)
Mammals	Rodentia	Muridae	88	1	specimens	0	1 (100%)	W (100%)	AU (100%)	US (100%)	AU-US (100%)	<i>Xeromys myoides</i> (100%)
Birds	Piciformes	Picidae	1	1	specimens	2	1 (100%)	W (100%)	PH (100%)	US (100%)	PH-US (100%)	<i>Dryocopus javensis</i> (100%)

Annex D: Full trade summaries by taxonomic family
(Table D3: Trade by weight)

Table D3: Overview of trade in CITES families associated with at least one zoonotic disease, for trade reported by weight (in kg), 2009–2018. Quantity by weight (kg) (in order of overall quantity of the family; terms ranked within each family by quantity)

Group	Order	Family	No. of diseases	Family quantity (kg)	Term	Exp-rep shipments	Percentages by term		Source	Exporters	Importers	Trade route	Taxa
							Quantity (kg)						
Mammals	Cetacea	Balaenopteridae	1	15,997,938	meat	242	15,078,831 (94.3%)		W (73.4%); X (26.6%)	IS (68.3%); ZZ (26.6%)	JP (99.5%)	IS-JP (68.2%); ZZ-JP (26.6%)	<i>Balaenoptera physalus</i> (67.6%); <i>Balaenoptera borealis</i> (14%)
Reptiles	Crocodylia	Crocodylidae	10	6,320,628	meat	1,973	6,127,595 (96.9%)	D (49.4%); C (35.6%); R (14.7%)	TH (48.1%); C (21.9%); R (20%)	HK (66.6%); BE (16.4%)	TH-HK (41.1%); ZA-HK (17.4%); ZW-BE (13.5%); ZW-HK (5.9%)	<i>Crocodylus siamensis</i> (49.2%); <i>Crocodylus niloticus</i> (44%)	
Reptiles	Crocodylia	Alligatoridae	1	710,094	meat	94	576,162 (81.1%)	W (96.3%)	US (100%)	HK (92.4%); CA (7.6%)	US-HK (92.4%); US-CA (7.6%)	<i>Alligator mississippiensis</i> (>99.9%); <i>Caiman crocodilus</i> (<0.1%)	
					skin pieces	24,635	107,528 (15.1%)	W (92.9%)	BO (99.3%)	US (84.5%); ES (5.7%)	BO-US (84.5%); BO-ES (5.7%)	<i>Caiman crocodilus</i> (81.5%); <i>Caiman crocodilus yacare</i> (17.8%)	
Mammals	Artiodactyla	Camelidae	24	710,014	meat	30	537,938 (75.8%)	W (100%)	CL (96.4%)	NL (94.1%)	CL-NL (94.1%)	<i>Lama guanicoe</i> (100%)	
					hair	459	172,020 (24.2%)	W (98.9%)	BO (65.6%); PE (29.7%)	IT (93.3%)	BO-IT (64%); PE-IT (26.4%)	<i>Vicugna vicugna</i> (97.4%); <i>Lama guanicoe</i> (2.6%)	
Reptiles	Serpentes	Colubridae	3	675,335	meat	522	675,294 (100%)	W (100%)	ID (100%)	CN (51%); HK (45.6%)	ID-CN (51%); ID-HK (45.6%)	<i>Ptyas mucosus</i> (69.6%); <i>Cerberus rynchops</i> (30.4%)	
Reptiles	Serpentes	Pythonidae	4	369,433	meat	183	348,039 (94.2%)	W (87.5%); C (10.6%)	MY (58.1%); ID (29.3%); VN (12.5%)	HK (78.6%); US (8.7%); CN (7.9%)	MY-HK (57.4%); ID-HK (21.2%); VN-US (8.6%); ID-CN (7.8%)	<i>Python reticulatus</i> (86.9%); <i>Python bivittatus</i> (12.2%)	
Mammals	Proboscidea	Elephantidae	9	162,172	tusks	7,191	118,231 (72.9%)	W (99.7%)	ZW (45.9%); ZA (28%); BW (22.6%)	CN (61.6%); US (16.5%)	ZA-CN (27.9%); BW-CN (22.4%); ZW-US (16.5%); ZW-CN (8.1%)	<i>Loxodonta africana</i> (>99.9%); <i>Elephantidae</i> spp. (<0.1%)	
					skins	1,252	40,806 (25.2%)	W (100%)	ZW (98.7%)	CN (98%)	ZW-CN (98%)	<i>Loxodonta africana</i> (>99.9%); <i>Elephas maximus</i> (<0.1%)	

Annex D: Full trade summaries by taxonomic family
(Table D3: Trade by weight)

Group	Order	Family	No. of diseases	Family quantity (kg)	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa	
							Quantity (kg)	Source					
Mammals	Carnivora	Ursidae	15	67,281	meat	226	56,789 (84.4%)	W (97.4%)	CA (99.1%)	US (98.7%)	CA-US (98.7%)	<i>Ursus americanus</i> (99.8%); <i>Ursus arctos</i> (0.1%)	
							3,565 (5.3%)	W (96.3%)					
Reptiles	Testudines	Geoemydidae	2	64,488	carapaces	18	38,152 (59.2%)	W (91.7%); C (7.7%)	ID (91.7%); CN (8%)	TW (91.7%); ID-TW (91.7%); JP (7.6%)	CN-JP (7.6%)	<i>Cuora amboinensis</i> (52.4%); <i>Siebenrockiella crassicollis</i> (39.3%)	
							19,280 (29.9%)	C (96.3%)		CN (99.7%)	JP (89.6%); US (8.1%)	CN-JP (89.6%); CN-US (7.7%)	<i>Mauremys reevesii</i> (97.2%); <i>Heosemys grandis</i> (2.5%)
							5,100 (7.9%)	C (100%)					
Mammals	Artiodactyla	Hippopotamidae	7	47,924	teeth	1,444	44,958 (93.8%)	W (93.5%); R (6.5%)	UG (49%); TZ (25.7%); MW (21.1%)	HK (73.2%); CN (21%)	UG-HK (47.5%); TZ-HK (25.7%); MW-CN (21%)	<i>Hippopotamus amphibius</i> (100%)	
							2,500 (5.2%)	W (100%)					
Reptiles	Sauria	Varanidae	4	32,092	meat	21	31,971 (99.6%)	W (99.8%)	MY (99.8%)	HK (99.8%)	MY-HK (99.8%)	<i>Varanus salvator</i> (99.8%); <i>Varanus</i> spp. (0.2%)	
Mammals	Carnivora	Mustelidae	28	18,503	tails	13	7,636 (41.3%)	W (100%)	CN (100%)	DE (98.9%)	CN-DE (98.9%)	<i>Mustela sibirica</i> (98.9%); <i>Martes foina intermedia</i> (1.1%)	
							5,711 (30.9%)	W (100%)		RU (100%)	DE (100%)	RU-DE (100%)	<i>Mustela sibirica</i> (100%)
							2,513	W (64.4%); Unspecified (32.8%)					
Birds	Falconiformes	Accipitridae	1	16,547	meat	1	15,302 (92.5%)	F (100%)	US (100%)	RU (100%)	US-RU (100%)	<i>Accipiter trivirgatus</i> (100%)	
							1,008 (6.1%)	W (100%)		IS (99.2%)	DK (99.2%)	IS-DK (99.2%)	<i>Haliaeetus albicilla</i> (99.2%); <i>Stephanoaetus coronatus</i> (0.4%)

Annex D: Full trade summaries by taxonomic family
(Table D3: Trade by weight)

Group	Order	Family	No. of diseases	Family quantity (kg)	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa
							Quantity (kg)	Source				
Mammals	Artiodactyla	Bovidae	64	7,944	horns	439	4,334 (54.6%)	W (51.4%); O (48.6%)	CN (40.7%); HK (29.8%); SG (16%); KG (6.9%)	JP (67.7%); SG (10.2%); HK-JP (29.8%); HK (9.8%); US (6.9%)	CN-JP (30.3%); (88.9%); Capra sibirica (6.9%)	<i>Saiga tatarica</i>
							1,832 (23.1%)	W (88.3%); O (6.1%); Unspecified (5.5%)			CN (88.4%); JP (11.6%)	CN-JP (66%); CN-SG (21.6%); JP-HK (11.5%)
							1,056 (13.3%)	W (95.9%)				<i>Philantomba monticola</i> (94.7%); <i>Capra hircus aegagrus</i> (4%)
Mammals	Carnivora	Felidae	47	7,652	bones	285	2,644 (34.6%)	C (70.2%); W (29.8%)	ZA (98.1%)	VN (73.2%); LA (24.9%)	ZA-VN (73.2%); ZA-LA (24.9%)	<i>Panthera leo</i> (98.1%); <i>Panthera pardus</i> (1.9%)
							2,473 (32.3%)	W (100%)		GR (99.3%)	US-GR (99.3%)	<i>Lynx rufus</i> (100%)
							1,560 (20.4%)	C (100%)		VN (69.2%); LA (30.8%)	ZA-VN (69.2%); ZA-LA (30.8%)	<i>Panthera leo</i> (100%)
							651 (8.5%)	Unspecified (99.80%)				<i>Panthera tigris</i> (99.8%); <i>Leptailurus serval</i> (0.1%)
Mammals	Carnivora	Viverridae	15	6,565	musk	86	6,481 (98.7%)	R (69.8%); Unspecified (18.9%); W (11.3%)	ET (100%)	FR (50.9%); KR (36.4%)	ET-FR (50.9%); ET-KR (36.4%)	<i>Civettictis civetta</i> (100%)
Reptiles	Testudines	Testudinidae	3	5,385	medicine	0	3,262 (60.6%)	C (92.8%); I (7.2%)	CN (100%)	JP (92.8%); US (7.2%)	CN-JP (92.8%); CN-US (7.1%)	Testudinidae spp. (>99.9%); <i>Testudo</i> spp. (<0.1%)
							1,927 (35.8%)	C (99.9%)				Testudinidae spp. (99.9%); <i>Gopherus agassizii</i> (0.1%)
Mammals	Cetacea	Monodontidae	1	4,682	meat	125	3,359 (71.7%)	W (100%)	GL (100%)	DK (100%)	GL-DK (100%)	<i>Delphinapterus leucas</i> (100%)
							1,211 (25.9%)	W (99.8%)		DK (99.7%)	GL-DK (97.5%)	<i>Monodon monoceros</i> (97.5%); <i>Delphinapterus leucas</i> (2.5%)

Annex D: Full trade summaries by taxonomic family
(Table D3: Trade by weight)

Group	Order	Family	No. of diseases	Family quantity (kg)	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa
							Quantity (kg)	Source				
Mammals	Primates	Cercopithecidae	51	2,828	specimens	53,720	2,794 (98.8%)	C (62.1%); W (24.8%); F (12.7%)	BB (43.2%); CN (18.8%); PH (12.7%); MU (11.8%); KE (6.2%)	CA (34%); US (31.5%); GB (13.3%); JP (13%)	BB-CA (33.2%); CN-US (14.3%); PH-JP (12.6%); MU-GB (11.2%); BB-US (7.7%); KE-US (6%)	<i>Macaca fascicularis</i> (<i>Chlorocebus sabaeus</i> (33.4%))
Mammals	Carnivora	Canidae	46	2,168	skin pieces	367	1,663 (76.7%)	W (97.3%)	AR (100%)	TR (60.1%); US (32.8%); ES (5.1%)	AR-TR (60.1%); AR-US (32.8%); AR-ES (5.1%)	<i>Lycalopex griseus</i> (<i>Lycalopex gymnocercus</i> (2%))
					skins	5,849	504 (23.2%)	W (100%)	AR (99.6%)	AE (60%); KR (38.6%)	AR-AE (60%); AR-KR (38.6%)	<i>Lycalopex griseus</i> (<i>Lycalopex gymnocercus</i> (38.4%))
Birds	Galliformes	Phasianidae	1	2,117	feathers	933	2,012 (95%)	C (84.6%); I (11.1%)	CN (73.5%); BD (14.9%); KE (6.2%)	US (67%); ES (27.3%)	CN-US (46%); CN-ES (27.3%); BD-US (14.9%); KE-US (5.7%)	<i>Pavo cristatus</i> (<i>Gallus sonneratii</i> (1.1%))
Mammals	Cetacea	Delphinidae	3	2,012	specimens	832	1,758 (87.4%)	W (100%)	VC (86.5%); KH (6.2%); FO (5.4%)	BB (86.5%); DE (6.2%); DK (5.3%)	VC-BB (86.5%); KH-DE (6.1%); FO-DK (5.3%)	<i>Orcinus orca</i> (36.3%); <i>Pseudorca crassidens</i> (24.2%)
					meat	18	253 (12.6%)	W (91.5%); I (8.5%)	GL (47.7%); FO (43.8%)	DK (91.5%); US (8.5%)	GL-DK (47.7%); FO-DK (43.8%)	<i>Globicephala melas</i> (<i>Globicephala spp.</i> (8.5%))
Birds	Rheiformes	Rheidae	1	1,305	meat	2	1,260 (96.6%)	C (100%)	UY (100%)	AE (100%)	UY-AE (100%)	<i>Rhea americana</i> (100%)
Reptiles	Sauria	Iguanidae	8	1,247	meat	10	1,030 (82.6%)	I (63.2%); C (23.3%); W (13.5%)	MX (38.4%); SV (34.1%); KY (13.6%); HN (7.6%)	US (100%)	MX-US (38.4%); SV-US (34.1%); KY-US (13.6%); HN-US (7.6%)	<i>Iguana iguana</i> (64%); <i>Iguana spp.</i> (36%)
					bodies	10	162 (13%)	W (69.1%); I (30.9%)	KY (69.1%); MX (30.9%)	US (100%)	KY-US (69.1%); MX-US (30.9%)	<i>Iguana iguana</i> (90.2%); <i>Iguana spp.</i> (9.8%)
Mammals	Chiroptera	Pteropodidae	30	1,058	specimens	149	1,058 (100%)	W (100%)	MG (97.4%)	DE (97.4%)	MG-DE (97.4%)	<i>Pteropus rufus</i> (97.4%); <i>Pteropus vampyrus</i> (2.4%)

Annex D: Full trade summaries by taxonomic family
(Table D3: Trade by weight)

Group	Order	Family	No. of diseases	Family quantity (kg)	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa
							Quantity (kg)	Source				
Reptiles	Testudines	Cheloniidae	3	889	scales	36	410 (46.1%)	O (100%)	FR (100%)	CH (90.2%); US (9.8%)	FR-CH (90.2%); FR-US (9.8%)	<i>Eretmochelys imbricata</i> (100%)
					meat	0	267 (30%)	I (97.4%)	NI (30.8%); FM (20.1%); HN (11.2%); KY (9.3%)	US (97.4%)	NI-US (30.8%); FM-US (20.1%); HN-US (11.2%); KY-US (9.3%)	<i>Cheloniidae</i> spp. (<i>Chelonia mydas</i> (3.8%))
					specimens	717	188 (21.1%)	W (98.8%)	HN (64.5%); FR (27.3%)	US (67.5%); FR (26.6%)	HN-US (64.5%); FR-FR (26.6%)	<i>Eretmochelys imbricata</i> (65.6%); <i>Cheloniidae</i> spp. (27.7%)
Mammals	Carnivora	Odobenidae	2	604	teeth	75	217 (35.9%)	W (100%)	US (100%)	HK (100%)	US-HK (100%)	<i>Odobenus rosmarus</i> (100%)
					bones	451	123 (20.3%)	O (74.6%); W (25.4%)	US (74.6%); CA (22.5%)	DK (68.9%); BE (22.5%); ID (8.6%)	US-DK (65.9%); CA-BE (22.5%); US-ID (8.6%)	<i>Odobenus rosmarus</i> (100%)
					specimens	21	100 (16.6%)	W (100%)	GL (99.9%)	DK (99.9%)	GL-DK (99.9%)	<i>Odobenus rosmarus</i> (100%)
					bone pieces	6	63 (10.4%)	W (100%)	US (100%)	DK (100%)	US-DK (100%)	<i>Odobenus rosmarus</i> (100%)
					meat	1	50 (8.3%)	W (100%)	GL (100%)	NO (100%)	GL-NO (100%)	<i>Odobenus rosmarus</i> (100%)
Mammals	Cetacea	Phocoenidae	2	475	meat	36	420 (88.4%)	W (100%)	GL (100%)	DK (100%)	GL-DK (100%)	<i>Phocoena phocoena</i> (100%)
					specimens	160	39 (8.3%)	W (100%)	NO (53.9%); GL (36.9%); IS (7.5%)	DE (53.8%); DK (36.6%); ZA (7.6%)	NO-DE (53.7%); GL-DK (29.3%); GL-ZA (7.6%); IS-DK (7.4%)	<i>Phocoena phocoena</i> (98.4%); <i>Phocoena dioptrica</i> (1.6%)
Birds	Psittaciformes	Psittacidae	5	296	specimens	3,709	266 (89.7%)	W (99.5%)	MU (97.8%)	GB (97.8%)	MU-GB (97.8%)	<i>Psittacula echo</i> (97.8%); <i>Ara macao</i> (1.1%)
Birds	Struthioniformes	Struthionidae	3	261	meat	0	260 (99.9%)	C (57.8%); W (42.2%)	ZA (100%)	UG (100%)	ZA-UG (100%)	<i>Struthio camelus</i> (100%)
Reptiles	Sauria	Chamaeleonidae	2	157	live	12,559	90 (57.3%)	C (100%)	CZ (100%)	JP (100%)	CZ-JP (100%)	<i>Furcifer pardalis</i> (100%)
					specimens	197	64 (40.8%)	W (100%)	MG (100%)	PT (98.9%)	MG-PT (98.9%)	<i>Calumma nasutum</i> (44.1%); <i>Furcifer pardalis</i> (40.7%)

Annex D: Full trade summaries by taxonomic family
(Table D3: Trade by weight)

Group	Order	Family	No. of diseases	Family quantity (kg)	Term	Exp-rep shipments	Percentages by term						
								Quantity (kg)	Source	Exporters	Importers	Trade route	Taxa
Birds	Falconiformes	Falconidae	3	125	specimens	1,028	111 (89%)	W (99.7%)	MU (99.6%)	GB (99.6%)	MU-GB (99.6%)	<i>Falco punctatus</i> (99.6%); <i>Falco sparverius</i> (0.3%)	
							eggs	46	10 (8.2%)	W (100%)	GL (100%)	DK (100%)	GL-DK (100%) <i>Falco peregrinus</i> (100%)
Mammals	Primates	Hominidae	23	121	specimens	549	112 (92.6%)	W (76.6%); I (14.8%)	RW (52.1%); UG (11.3%); DE (12.4%)	RW-US (40.2%); RW-DE (11.9%); RW-US (10.6%); CD (10%); CG (9.6%); NL (7.2%); ID (6.6%)	US (78.8%); DE (12.4%)	RW-DE (11.9%); RW-US (10.6%); CD-US (10%); CG-US (9.6%); NL-US (7.2%)	<i>Gorilla beringei</i> (74.6%); <i>Gorilla gorilla</i> (10.7%)
							bones	15	6 (5.3%)	W (100%)	RW (94%); CI (6%)	US (94%); DE (6%)	RW-US (94%); CI-DE (6%) <i>Gorilla beringei</i> (94%); <i>Pan troglodytes</i> (6%)
Mammals	Primates	Cebidae	20	111	specimens	712	110 (99.3%)	C (89.4%); I (5.2%); W (5.1%)	GB (84.5%); NZ (9.4%)	JP (70.1%); US (27.2%)	GB-JP (70.1%); GB-US (14.4%); NZ-US (9.4%)	<i>Callithrix jacchus</i> (84.9%); <i>Cebus apella</i> (10.4%)	
Mammals	Artiodactyla	Cervidae	40	101	skins	29	50 (49.5%)	C (100%)	US (100%)	KE (100%)	US-KE (100%)	<i>Odocoileus virginianus</i> (50%); <i>Cervus elaphus</i> (50%)	
							hair	1	45 (44.6%)	Unspecified (100%)	XX (100%)	GB (100%)	XX-GB (100%) <i>Odocoileus virginianus mayensis</i> (100%)
Mammals	Perissodactyla	Rhinocerotidae	10	84	specimens	245	83 (98.5%)	W (99.6%)	KE (88.9%)	CZ (71.2%); ZA (22.5%)	KE-CZ (71.2%); KE-ZA (16.4%)	<i>Ceratotherium simum simum</i> (60.4%); <i>Ceratotherium simum simum</i> (19.3%)	
Birds	Gruiformes	Otididae	1	75	meat	1	75 (99.3%)	C (100%)	MA (100%)	AE (100%)	MA-AE (100%)	<i>Chlamydotis macqueenii</i> (100%)	
Birds	Apodiformes	Trochilidae	1	68	derivatives	16	65 (95.5%)	U (76.9%); C (23.1%)	CN (100%)	AT (100%)	CN-AT (100%)	<i>Heliothryx</i> spp. (100%)	
Birds	Gruiformes	Gruidae	1	64	meat	0	60 (92.5%)	W (100%)	CA (100%)	US (100%)	CA-US (100%)	<i>Grus canadensis</i> (100%)	
							specimens	76	5 (7.5%)	W (89.6%); I (10.4%)	RW (93.4%); KH (6.2%)	RW-ZA (83%); US (10.4%); DE (6.6%)	<i>Balearica regulorum</i> (93.4%); <i>Grus antigone</i> (6.2%)
Birds	Anseriformes	Anatidae	1	55	feathers	5	55 (100%)	F (100%)	BG (100%)	IN (100%)	BG-IN (100%)	<i>Anatidae</i> spp. (100%)	

Annex D: Full trade summaries by taxonomic family
(Table D3: Trade by weight)

Group	Order	Family	No. of diseases	Family quantity (kg)	Term	Exp-rep shipments	Percentages by term		Exporters	Importers	Trade route	Taxa	
							Quantity (kg)	Source					
Reptiles	Serpentes	Viperidae	2	48	medicine	3	36 (74.3%)	F (100%)	US (100%)	AT (99.6%)	US-AT (99.6%)	<i>Daboia russelii</i> (99.6%); <i>Crotalus durissus</i> (0.4%)	
							specimens 1,095	12 (24.9%)					
Mammals	Artiodactyla	Tayassuidae	1	22	specimens 20	16 (72.6%)	W (100%)	PE (100%)	ES (99.1%)	PE-ES (99.1%)	<i>Tayassu pecari</i> (72%); <i>Pecari tajacu</i> (27.7%)		
							meat 0	4 (19.9%)	I (100%)	MX (100%)	US (100%)	MX-US (100%)	<i>Pecari tajacu</i> (100%)
							bodies 1	1 (5.9%)	W (100%)	PE (100%)	BR (100%)	PE-BR (100%)	<i>Pecari tajacu</i> (64.6%); <i>Tayassu pecari</i> (35.4%)
Reptiles	Testudines	Emydidae	2	15	meat 0	12 (82.2%)	W (100%)	TO (100%)	NZ (100%)	TO-NZ (100%)	<i>Terrapene</i> spp. (100%)		
							bone pieces 0	2 (12.6%)	I (100%)	CN (100%)	NZ (100%)	CN-NZ (100%)	<i>Terrapene</i> spp. (100%)
Mammals	Rodentia	Cuniculidae	2	11	meat 0	11 (94.5%)	I (100%)	EC (47.2%); GY (47.2%); BZ (5.7%)	US (100%)	EC-US (47.2%); GY-US (47.2%); BZ-US (5.7%)	<i>Cuniculus paca</i> (100%)		
							bodies 1	1 (5.5%)	W (100%)	PE (100%)	BR (100%)	PE-BR (100%)	<i>Cuniculus paca</i> (100%)
Reptiles	Sauria	Gekkonidae	2	10	specimens 63	10 (100%)	W (100%)	MG (100%)	PT (99.4%)	MG-PT (99.4%)	<i>Uroplatus sikorae</i> (97.9%); <i>Uroplatus ebenaui</i> (1.1%)		
Birds	Sphenisciformes	Spheniscidae	1	7	specimens 42	6 (96.2%)	W (100%)	RW (86.8%); PE (13.2%)	US (100%)	RW-US (86.8%); PE-US (13.2%)	<i>Spheniscus demersus</i> (86.8%); <i>Spheniscus humboldti</i> (13.2%)		
Mammals	Primates	Atelidae	7	7	specimens 194	6 (95.5%)	W (100%)	PE (99.7%)	ES (97.5%)	PE-ES (97.5%)	<i>Lagothrix poeppigii</i> (84.3%); <i>Alouatta seniculus</i> (12.4%)		
Mammals	Primates	Lemuridae	3	5	live 1,044	5 (86%)	R (100%)	FR (100%)	FR (100%)	FR-FR (100%)	<i>Lemur catta</i> (100%)		
					specimens 89	1 (11.7%)	W (99.2%)	MG (91%); FR (8.1%)	MG-FR (86.9%); FR-FR (8.1%)	Eulemur fulvus (49.5%); <i>Eulemur</i> spp. (25.1%)			

Annex D: Full trade summaries by taxonomic family
(Table D3: Trade by weight)

Group	Order	Family	No. of diseases	Family quantity (kg)	Term	Exp-rep shipments	Percentages by term					
							Quantity (kg)	Source	Exporters	Importers	Trade route	Taxa
Birds	Passeriformes	Estrildidae	2	4	meat	0	3 (71.1%)	I (100%)	VN (100%)	US (100%)	VN-US (100%)	<i>Lonchura oryzivora</i> (100%)
					live	914	1 (28.9%)	Unspecified (100%)	CU (100%)	HN (100%)	CU-HN (100%)	<i>Lonchura oryzivora</i> (100%)
Reptiles	Testudines	Podocnemididae	1	3	meat	0	3 (95.2%)	I (100%)	CO (100%)	US (100%)	CO-US (100%)	<i>Podocnemis</i> spp. (100%)
Mammals	Carnivora	Phocidae	7	2	specimens	38	1 (66.9%)	W (100%)	AQ (96.2%)	US (96.2%)	AQ-US (96.2%)	<i>Mirounga leonina</i> (100%)
					hair	4	1 (32.5%)	W (100%)	AU (99%)	US (100%)	AU-US (99%)	<i>Mirounga leonina</i> (100%)
Birds	Psittaciformes	Cacatuidae	1	2	bodies	54	1 (66.6%)	I (100%)	CN (100%)	US (100%)	CN-US (100%)	<i>Calyptorhynchus</i> spp. (100%)
					feathers	221	<1 (33.3%)	C (100%)	AU (100%)	US (100%)	AU-US (100%)	<i>Calyptorhynchus banksii</i> (100%)
Mammals	Primates	Lorisidae	3	1	specimens	8	1 (87.1%)	I (100%)	KH (100%)	US (100%)	KH-US (100%)	<i>Nycticebus</i> spp. (100%)
					derivatives	0	<1 (6.2%)	I (100%)	LA (100%)	US (100%)	LA-US (100%)	<i>Nycticebus</i> spp. (100%)
Mammals	Perissodactyla	Equidae	56	1	specimens	38	1 (85.4%)	W (100%)	KE (100%)	US (99.6%)	KE-US (99.6%)	<i>Equus grevyi</i> (100%)
					genitalia	2	<1 (14.6%)	C (100%)	FR (100%)	CH (100%)	FR-CH (100%)	<i>Equus africanus</i> (100%)
Mammals	Primates	Pitheciidae	2	1	specimens	81	1 (90.6%)	W (96.3%)	PE (100%)	ES (71.6%); US (27.2%)	PE-ES (71.6%); PE-US (27.2%)	<i>Pithecia monachus</i> (56.7%); <i>Pithecia irrorata</i> (14.1%)
					bodies	3	<1 (9.4%)	W (100%)	PE (100%)	BR (100%)	PE-BR (100%)	<i>Pithecia monachus</i> (60%); <i>Cacajao calvus</i> (40%)
Mammals	Primates	Hylobatidae	5	1	specimens	37	1 (100%)	O (100%)	NL (100%)	US (100%)	NL-US (100%)	<i>Hylobates lar</i> (100%)
Birds	Psittaciformes	Loriidae	1	1	live	3,716	1 (99.3%)	F (100%)	DE (100%)	CH (100%)	DE-CH (100%)	<i>Lorius hypoinochrous</i> (100%)
Birds	Strigiformes	Strigidae	1	1	skins	40	<1 (90.4%)	W (100%)	CA (100%)	FR (100%)	CA-FR (100%)	<i>Bubo virginianus</i> (100%)
					specimens	286	<1 (7.8%)	W (100%)	PE (83.7%); PH (7%)	US (100%)	PE-US (83.7%); PH-US (7%)	<i>Otus ingens</i> (83.7%); <i>Otus megalotis</i> (4.7%)
Mammals	Primates	Galagidae	7	<1	specimens	19	<1 (100%)	W (83.8%); F (16.2%)	KE (83.8%); US (16.2%)	US (83.8%); DE (16.2%)	KE-US (83.8%); US-DE (16.2%)	<i>Otolemur garnettii</i> (56.7%); <i>Galago zanzibaricus</i> (43.2%)

Annex D: Full trade summaries by taxonomic family
(Table D3: Trade by weight)

Group	Order	Family	No. of diseases	Family quantity (kg)	Term	Exp-rep shipments	Percentages by term					
							Quantity (kg)	Source	Exporters	Importers	Trade route	Taxa
Mammals	Carnivora	Hyaenidae	13	<1	specimens	9	<1 (100%)	W (100%)	ZA (100%)	US (100%)	ZA-US (100%)	<i>Proteles cristata</i> (100%)
Birds	Cuculiformes	Musophagidae	1	<1	feathers	7	<1 (64.3%)	W (100%)	UG (55.6%); CI (44.4%)	DE (100%)	UG-DE (55.6%); CI-DE (44.4%)	<i>Tauraco schuettii</i> (44.4%); <i>Musophagidae</i> spp. (22.2%)
					specimens	6	<1 (35.7%)	W (100%)	UG (100%)	DE (100%)	UG-DE (100%)	<i>Tauraco schuettii</i> (80%); <i>Tauraco</i> spp. (20%)
Reptiles	Testudines	Chelydridae	1	<1	meat	1	<1 (100%)	I (100%)	US (100%)	DE (100%)	US-DE (100%)	<i>Chelydra serpentina</i> (100%)
Birds	Falconiformes	Pandionidae	1	<1	specimens	11	<1 (100%)	W (100%)	US (100%)	CA (100%)	US-CA (100%)	<i>Pandion haliaetus</i> (100%)
Mammals	Pilosa	Bradypodidae	9	<1	derivatives	2	<1 (50%)	W (100%)	BR (100%)	DE (100%)	BR-DE (100%)	<i>Bradypus variegatus</i> (100%)
					specimens	36	<1 (50%)	W (100%)	PE (100%)	ES (100%)	PE-ES (100%)	<i>Bradypus variegatus</i> (100%)
Amphibians	Anura	Microhylidae	1	<1	specimens	4	<1 (100%)	W (100%)	MG (100%)	US (100%)	MG-US (100%)	<i>Scaphiophryne marmorata</i> (100%)
Birds	Piciformes	Ramphastidae	1	<1	specimens	68	<1 (100%)	W (100%)	PE (100%)	US (100%)	PE-US (100%)	<i>Ramphastos vitellinus</i> (100%)
Mammals	Carnivora	Eupleridae	2	<1	specimens	11	<1 (99.1%)	W (100%)	MG (100%)	US (95.1%)	MG-US (95.1%)	<i>Cryptoprocta ferox</i> (100%)
Amphibians	Anura	Dic平glossidae	1	<1	specimens	6	<1 (100%)	W (100%)	MG (75.6%); BD (24.4%)	GB (75.6%); CN (24.4%)	MG-GB (75.6%); BD-CN (24.4%)	<i>Hoplobatrachus tigerinus</i> (100%)
Reptiles	Serpentes	Boidae	2	<1	specimens	193	<1 (50%)	U (99.5%)	CA (99.5%)	CN (99.5%)	CA-CN (99.5%)	<i>Boa constrictor</i> (99.5%); <i>Acrantophis dumerili</i> (0.4%)
					skins	110	<1 (49.8%)	I (100%)	PE (100%)	US (100%)	PE-US (100%)	<i>Eunectes</i> spp. (100%)
Mammals	Carnivora	Herpestidae	11	<1	specimens	25	<1 (100%)	W (100%)	US (100%)	FR (100%)	US-FR (100%)	<i>Herpestes javanicus</i> (100%)
Birds	Columbiformes	Columbidae	1	<1	specimens	31	<1 (100%)	W (100%)	PH (100%)	US (100%)	PH-US (100%)	<i>Gallicolumba luzonica</i> (100%)
Birds	Piciformes	Picidae	1	<1	specimens	2	<1 (100%)	W (100%)	PH (100%)	US (100%)	PH-US (100%)	<i>Dryocopus javensis</i> (100%)
Birds	Strigiformes	Tytonidae	1	<1	specimens	96	<1 (100%)	W (100%)	CY (100%)	US (100%)	CY-US (100%)	<i>Tyto alba</i> (100%)