APPENDIX A EXPOSURE RISKS BY SPECIES

SPECIES:	MOUSE, RAT, HAMSTER	RABBIT	AMPHIBIAN & REPTILES	FISH	BAT
JI LUILJ.	MOOSE, INT, HAMSTER	INDUIT	ANTI TIIDIAN & REF TILES	Bites, Scratches, Wound	Bites/Punctures, Scratches,
Route	Bites, Scratches, Aerosols/Respiratory, Accidental Ingestion, Contact (Direct or Indirect)	Bites, Scratches, Bruises, Aerosols/Respiratory, Accidental Ingestion, Contact with Blood or Tissues, Other Contact (Direct or Indirect)	Bites, Scratches, Envenomation (Bite, Direct Contact) Contact (Direct or Indirect): Water	Infections, Insect Bites, Accidental Ingestion, Inhalation of Aerosolized Materials, Contact (Direct or Indirect)	Wound Infections, Mucous Membranes, Inhalation of Aerosolized Materials (esp. guano), Accidental Ingestion, Contact (Direct or Indirect)
<u>RISKS/EXPOSURES</u>					
Allergen Source	Hair, Dander, Urine, Feed/Dust, Bedding, Serum Proteins	Hair, Dander, Saliva, Urine, Feed/Dust, Bedding	Water, Animal Skin, Mouth or Nails, Venom	Water, Animal Skin, Mouth or Nails, Venom	Saliva, Blood/Tissues, Aerosol, Urine, Guano
Infectious/Zoonotic	Rat Bite Fever/Haverhill Fever (Streptobacillus + Spirillum), Salmonella, Campylobacter, E. coli, Shigella	Listeria, Pasteurella, Mycobacterium, Cryptosporidium, Salmonella, Campylobacter, E. coli, Shigella, ADDITIONALLY, WITH WILD RABBITS: Brucella, Tularemia, Plague, Q-Fever, Ringworm species (fungal infection), External Parasites (mites, lice)	Salmonella, Leptospira, Cryptosporidium	Mycobacterium, Erysipelothrix, Campylobacter, Aeromonas, Vibrio, Pseudomonas, Enterobacter, Clostridium, Edwardsiella, Escherichia, Salmonella, Klebsiella, Streptococcus sp., Parasites (Cestodes, Trematodes, Nematodes), Cryptosporidium, NoroVirus	Shigella, Yersinia and External Parasites (with concomitant Bartonella, Ehrlichia, Borrelia, etc.) IF IMPORTED: Nipah, Hendra, Ebola, SARS, etc. Trypanosoma, Toxoplasma,
<u>REACTIONS</u>					
Immune	Allergic Reaction, Asthma, Conjunctivitis, Rhinitis, Cross-reactivity, Anaphylaxis/Death	Allergic Reaction, Asthma, Conjunctivitis, Rhinitis, Cross-reactivity, Anaphylaxis/Death	Contact Allergy, Potentially Life-Threatening Venom Toxicity Reactions	Contact Allergy, Potentially Life-Threatening Venom Toxicity Reactions	Allergic Dermatitis (from ectoparasites)
Clinical Signs /	DEPENDING ON DISEASE:	LISTERIA: Fever, Muscle Aches, Headache, Stiff	DEPENDING ON DISEASE:	DEPENDING ON DISEASE:	DEPENDING ON DISEASE:
Humans	Muscle Pain, Abdominal Cramps, Diarrhea +/-Blood Loss, Dehydration, Arthritis/Joint Pain & Swelling, Rash, Pneumonia, Septicemia, Hepatitis, Nephritis, Meningitis, Heart Inflammations, Lymphadenopathies, Death (if untreated)	Neck, Confusion, Loss of Balance, Convulsions/Seizures, Nausea, Diarrhea, IF PREGNANT: Difficulty Breathing, Miscarriage, Stillbirth, Premature Birth, Fatal Infection after Birth, Septicemia, Meningitis, TULAREMIA: Ulcers, Lymphadenopathy, Pneumonia-like Illness, Sore Throat, Abdominal Pain, Diarrhea & Vomiting, MYCOBACTERIUM: Lymphadenitis, Pulmonary Disease (similar to Tuberculosis) PASTEURELLA: Bite Wound Swelling, Cellulitis, Abscessation, Lymphadenopathy, Arthritic Changes, RINGWORM: Focal/Multifocal Skin Lesions OTHERS: Primary Gl Signs/Symptoms chronic illness, immunodeficiency, and/or pregnance	Rashes/Skin Irritation, Skin Ulcers & Nodules, Fever, Abdominal Cramps, Diarrhea +/-Blood Loss, Arthritic Changes, Pneumonia, Septicemia, Death	to Tuberculosis), Severe Systemic Disease, Cellulitis, Arthritis, Endocarditis, Meningitis, Septicemia, or Death	Diarrhea, Vomit, Abdominal Cramps, (high) Fever and Chills, Headache, Malaise, Lymphadenopathy, Cough, Neurologic Deficits/Changes in Behavior, Hygrophobia, Seizures/Coma, Severe Disease, Death

Persons with specific medical conditions such as a chronic illness, immunodeficiency, and/or pregnancy may be at higher risk of developing disease or complications from a zoonotic disease and should consult with their physician before working with animals.