

SUPPLEMENTARY DOCUMENTS

Supplemental Table 1. *E. coli* collection from host species and the environment

| Animals | Avian | Lizard, Reptiles | Antelope | Rodent | Food, Water |
|-----------------|--------------------|-----------------------|-------------------------|----------------------|-------------------|
| Aardvark | Budgie | Alligator | Addax | Beaver | Alfalfa |
| Alpaca | Canary | Chameleon | Antelope | Capybaras | Beef Trim |
| Ankole | Cassowary | Crocodile | Antelope, Bongo | Cavy | Carrot |
| Banteng | Chicken | Bearded Dragon | Antelope, Bontebok | Chinchilla | Cantaloupe |
| Bear | Chukar | Friiled Dragon | Antelope, Gemsbok | Chipmunk | Celery |
| Bear, Black | Cockatoo | Gecko | Antelope, Barasingha | Groundhog | Cider |
| Bear, Polar | Cocketeal | Iguana | Antelope, Waterbuck | Guinea Pig | Cilantro |
| Binturong | Conure | Lizard | Antelope, Adday | Hamster | Cheese |
| Bison | Cormorant | Monitor Lizard | Antelope, Addox | Mouse | Chicken |
| Buffalo | Crane | Reptile | Antelope, Blesbok | Mink | Chicken pellets |
| Cat | Crow | Skink | Antelope, Eland | Murine | Dairy Products |
| Cat, Maine coon | Darwin's Rhea | Snake | Antelope, Nile Lechwe | Porcupine | Dog Food |
| Camelid | Dove | Snake - Python | Antelope, Oryx | Rat | Food |
| Camel | Duck | Snake - Boa | Antelope, Sable | Rodent | Ground Beef |
| Cattle, Dairy | Duck | Tegu | Antelope, horned | Squirrel | Hot Pepper |
| Cattle, Feedlot | Eagle | Marine species | Antelope, Sitonga | Squirrel, Red | Grain |
| Cattle, Range | Eider | Dolphin | Antelope, Topi | Squirrel, Gray | Green onions |
| Cow | King Eider | Fish | Antelope, Zuni Suni | Vole, Meadow | Ice |
| Cheetah | Spectacled Eider | Manatee | Bactrian Wapiti | Primates | Irrigation water |
| Civet | Steller's Eider | Otter | Caribou | Bushbaby | Lamb |
| Coyote | Emu | Sea Lion | Gazelle | Chimpanzee | Lettuce - Iceberg |
| Cuscus | Guiena Fowl | Sea Otter | Gazelle, Soemmerings | African Green Monkey | Lettuce - Leaf |
| Dingo | Flamingo | Seal | Gazelle, Addra | Douc Langur | Lettuce - Romaine |
| Dog | Finch | Sea mammal | Gazelle, Curvier's | Macaca | Lettuce - Bagged |
| Prairie Dog | Goose | Tortoise | Gazelle, Dorcas | Rhesus Macaque | Lettuce plug |
| Donkey | Hawk | Turtle, Water | Gazelle, Gerenuk | Lemur, Madagascar | Milk, Bulk Tank |
| Elephant | Hawk, Sharpshinned | Walrus | Gazelle, Mhorr | Lemur, Ring-tail | Parsley |
| Ferret | Hornbill | Whale | Persian Gazelle | Lemur, Black | Pork |
| Frog | Ibis | Insects | Gazelle, Slender-horned | Marmoset | Poultry |
| Fox | Macaw | Insect | Impala | Monkey | Plant |
| Gaur | Lorikeet | Tarantula | Klipspringer | Rhesus monkey | Produce |
| Gorilla | Ostrich | Millipede | Moose | Tamarin | Rice flour |
| Giraffe | Owl | Cockroach | | Primate | Spinach |

Supplemental Table 1. Continued: *E. colicollection* from different host species and environment

| Humans and Animals | Avian | Small animals | Deer | Other | Caprine, Ovine |
|---------------------|--------------------|--------------------|-----------------------|------------------|------------------------|
| Horse, Przewalski's | Owl, Spectacled | Anteater | Deer, Barbary | Bedding | Aoudad |
| Horse | Owl, Barn | Coatimundi | Deer, Brockett | Carcass | Aoudad, Sudan |
| Human | Owl, Spotted | Hedgehog | Deer, Calamian | Clinical | Goat |
| Hyrax, Rock | Owl, Barred | Kinkajou | Deer, European Roe | DNA | Goat, Alpine Ibex |
| Kangaroo | Parakeet | Meerkat | Deer, Muntjac | Effluent | Goat, Cretan |
| Leopard | Parrot | Opossum | Duiker, Gunther's | broth | Goat, Nigerian Dwarf |
| Leopard, Snow | Parrot, amazon | Rabbit, Wild | Deer, Indo-Chinese | Grass | Goat, Nubian Ibex |
| Lion | Parrot, Conure | Rabbit, Dom | Deer North Indian | Outbreak strain | Goat, Turkomen Markhor |
| Llama | Parrot, Quaker | Raccoon | Deer, Mac Neil's | Petrifilm | Goat, Siberian Ibex |
| Lynx | Parrot, Electus | Skunk | Deer, Mandarin Sika | Pipe Sample | Goral, Chinese |
| Marten | Partridge | Sloth | Deer, Mouse | Reference strain | Sheep |
| Okapi | Peacock | Tamandua | Deer, Muntjac | Sediment | Sheep, Bighorn |
| Opaki | Pelican | Tenrec | Deer, Musk | Seed | Sheep, Blue |
| Ox | Psittacine | Wallaby | Deer, Pampas | Soil | Sheep, Moulfon |
| Musk Ox | Kea | Wallaby, Bennett's | Deer, Pere David's | Test Strain | Tahr, Nilgiri |
| Panda | Pigeon | Wallaroo | Rein Deer | Vaccine | Takin, Sichuan |
| Panther | Pheasant | Weasel | Roe Deer | Yeast | Takin, Mishmi |
| Peccary | Penguin | Warthog | Deer, Samber | Zoo Animal | Urial, Transcasian |
| Pig | Quail | Food, Water | Deer, Tufted | | |
| Feral Pig | Raven | Sprouts | Deer, Western Tufted | | |
| Pig - Pot Belly | Roseatte Spoonbill | Starch | Deer, White Lipped | | |
| Rhinoceros | Sea Gull | Salad | Deer, Whitetail | | |
| Serval | Sparrow | Spring mix | Duiker | | |
| Tapir | Starling | Tomato | Duiker, Yellow Backed | | |
| Tiger | Swan | Turkey | Duiker, Maxwell | | |
| Wolf | Swallow, Cliff | Vegetable | Elk | | |
| Zebra | Tern, Common | Waste Water | | | |
| | Turaco | Water | | | |
| | Toucan | | | | |
| | Turkey | | | | |
| | Vulture | | | | |