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	Frilled 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. coli*****collection 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	Tenerec	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, Transcaspian
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				