

Supporting Information

Title: Antimicrobial resistant enteric bacteria are widely distributed amongst people animals and the environment in Tanzania

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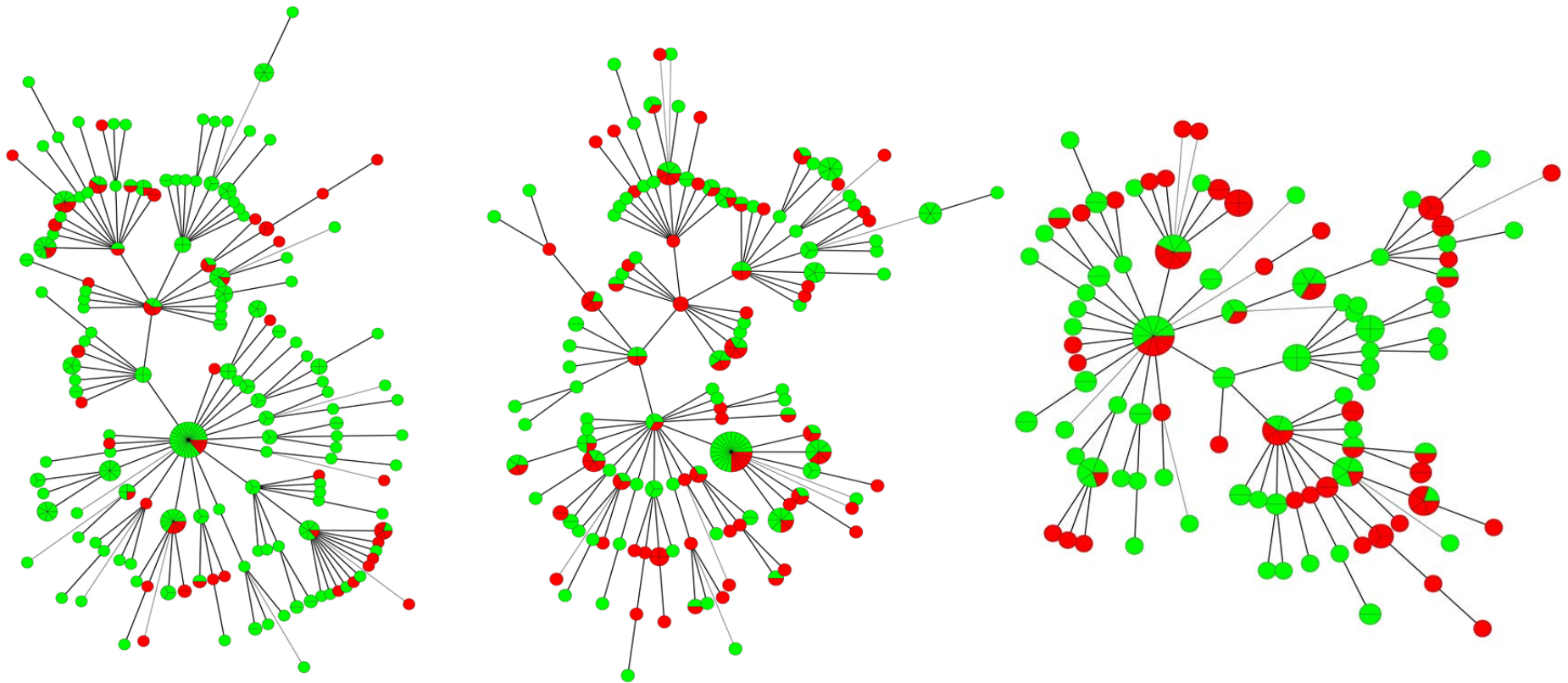
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Supplementary Figure 1. Minimum spanning tree for *E. coli* MLVA haplotypes obtained from animals and people.

A. People, dogs, chicken vs livestock (red)

B. People (red) vs dogs and chicken

C. People vs livestock (red)



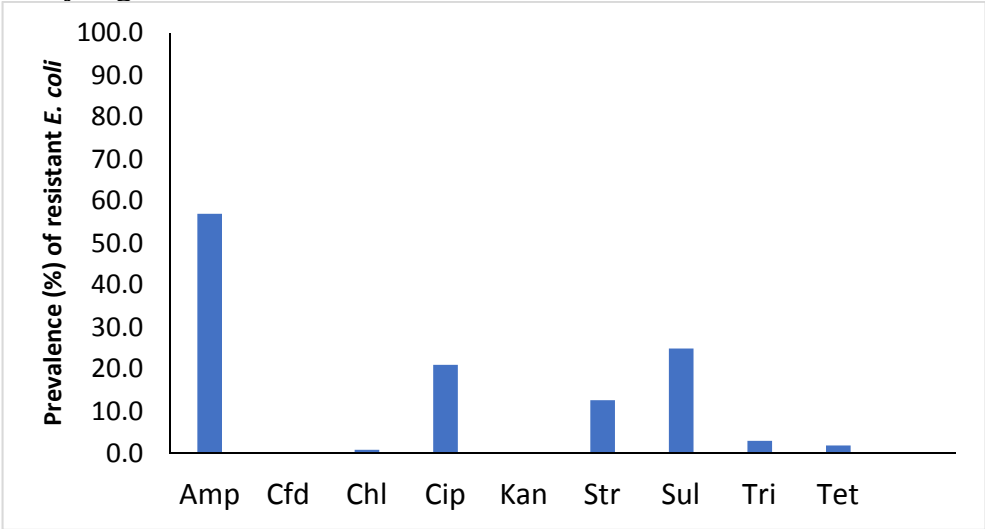
Each circle or pie-slice represent a single *E. coli* isolate. Most of the isolates are differed by single locus (solid lines) and form a single clonal complex.

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Supplementary Figure 3. Prevalence of antimicrobial resistant *E. coli*.



E. coli isolated from a municipal waste sample (Pullman, WA, N = 381 isolates). Antibiotics included amp (ampicillin), cfd (ceftazidime), chl (chloramphenicol), cip, (ciprofloxacin) and kan (kanamycin), str, (streptomycin), sul (sulfamethoxazole), tri (trimethoprim), and tet (tetracycline).

82 **Supplementary Table 1. Number of households surveyed by year, village/ward, season, and**
83 **ethnicity.**

Ethnicity (number of households)	Village/Ward	Season	Year(s)
Maasai (N=163)	Monduli	Wet & Dry	2013/15
	Loibor Siret	Dry	2013/15
	Terat	Wet	2013
	Nadonjukin	Wet & Dry	2013/14/15
	Loliondo	Dry	2013
	Komolo	Dry	2015
Arusha (N=97)	Aremeru ward	Wet & Dry	2013/15
	Loroi	Dry	2015
	Meliot	Dry	2015
Chagga (N=94)	Masaera kati	Wet & Dry	2014
	Masaera juu	Dry	2014
	Mamsera chini	Dry	2014
	Mamsera juu	Dry	2014

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Supplementary Table 2. Primers used for multi-locus variable number of tandem repeats analysis²³.

Primer ID	Primer sequences[#]	Tag color*	Product size^{\$}
CVN001-F	6FAM-AAC CGG CTG GGG CGA ATC C	Yellow	445-484
CVN001-R	GGC GGC GGT GTC AGC AAA TC		
CVN004-F	PET-GCT GCG GCC TGA AGA AGA	Green	322, 403
CVN004-R	CCC GGC AGG CGA AGC ATT GT		
CVN015-F	TET-TAG GCA TAG CGC ACA GAC AGA TAA	Blue	220, 237, 931
CVN015-R	GTA CCG CCG AAC TTC AAC ACT C		
CVN014-F	6FAM-TCC CCG CAA TCA GCA AAC AAA GA	Blue	123-159
CVN014-R	GCA GCG GGA CAA CGG AAG C		
CVN016-F	NED-GCA ATC ACC GCC GCA ATC TGT T	Yellow	461-611
CVN016-R	CGC CGC CGA AGC AAA TCT C		

*These colors were used to identify the fluorophores used in the primers; 6FAM (yellow), PET (green), TET (blue).

^{\$} range of product sizes found with the current study.

[#] Multiplex reaction mix – 1 contains CVN001, CVN004 and CVN015 primers; multiplex mix 2 contains CVN014 and CVN016