307   *Supplemental Table 1* – Regional Distribution of Samples in Random Subset and Full Dataset

Region	Subset	Full Dataset
Kigoma	252 (36.3%)	878 (33.2%)
Ruvuma	186 (26.8%)	741 (28.0%)
Tanga	256 (36.9%)	1,028 (38.8%)
Total Samples	**694**	**2,647**

308

309   *Supplemental Table 2* – Age Group Distribution of Samples in Random Subset and Full Dataset

Age Group	Subset	Full Dataset
Young Children (<5 years)	92 (13.3%)	450 (17.0%)
Schoolchildren (5-16 years)	234 (33.7%)	962 (36.3%)
Adults (>16 years)	368 (53.0%)	1,235 (46.7%)
Total Samples	**694**	**2,647**

310

311   *Supplemental Table 3* – Sex Distribution of Samples in Random Subset and Full Dataset

Sex	Subset	Full Dataset
Female	505 (72.8%)	1,568 (59.3%)
Male	189 (27.2%)	1,078 (40.7%)
Total Samples	**694**	**2,646***

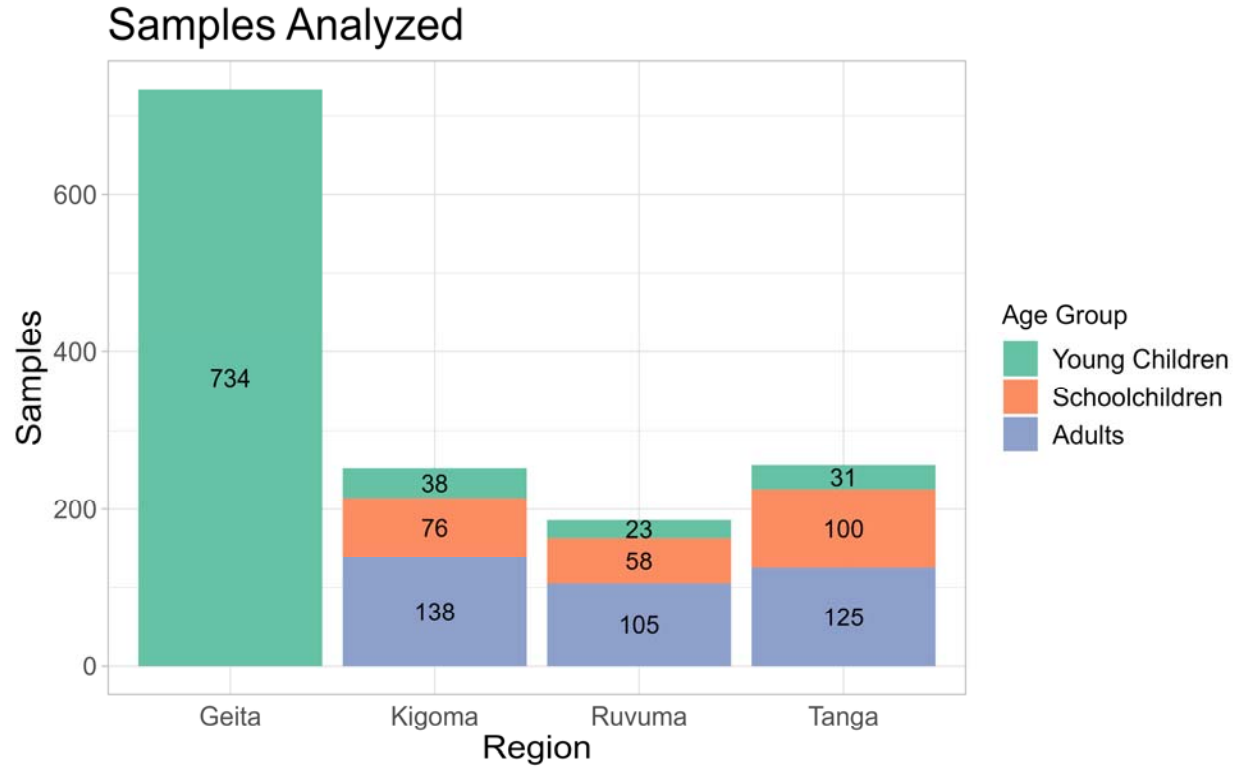312   *Sex was not reported for all individuals.

313

314 *Supplemental Table 4* – Species Positivity by Region and Age Group

Region	Age Group	Pf-Positive Samples	Pm-Positive Samples	Po-Positive Samples	Total Samples
Geita*	Young Children	278 (37.9%)	5 (0.7%)	27 (3.7%)	734
	Schoolchildren	*	*	*	*
	Adults	*	*	*	*
	All Ages	**278 (37.9%)**	**5 (0.7%)**	**27 (3.7%)**	**734**
Kigoma	Young Children	7 (18.4%)	1 (2.6%)	1 (2.6%)	38
	Schoolchildren	26 (34.2%)	2 (2.6%)	7 (9.2%)	76
	Adults	26 (18.8%)	2 (1.4%)	2 (1.4%)	138
	All Ages	59 (23.4%)	5 (2.0%)	10 (4.0%)	252
Ruvuma	Young Children	0	0	0	23
	Schoolchildren	22 (37.9%)	2 (3.4%)	3 (5.1%)	58
	Adults	35 (33.3%)	2 (1.9%)	3 (2.9%)	105
	All Ages	57 (30.6%)	4 (2.2%)	6 (3.2%)	186
Tanga	Young Children	8 (25.8%)	1 (3.2%)	0	31
	Schoolchildren	44 (44%)	1 (1%)	1 (1%)	100
	Adults	42 (33.6%)	6 (4.8%)	5 (4%)	125
	All Ages	94 (36.7%)	8 (3.1%)	6 (2.3%)	256

315   *Only children under five were enrolled in the study in Geita. Schoolchildren are defined as ages

316   5-16, and adults are all those >16 years.

317

318   *Figure S1* – Samples included in analysis by age group and region.