

Table S2. Factors included in initial models to investigate the likelihood of cattle, sheep and goat predation reported by 160 households within 30 km of the eastern boundary of RNP, central Tanzania, in the previous 12 months. Abbreviations: SG Significant parameter, NS nonsignificant parameter, (-) parameter removed during model development, (EX) parameter not included in a particular model. Parameters linked to the production of livestock waste are in italics.

Parameter	Cattle	Sheep	Goat
Adult dogs owned	-	-	-
Number of cattle killed by predators	EX	SG	-
Number of sheep killed by predators	SG	EX	-
Number of goats killed by predators	-	-	EX
People in household	SG	-	NS
Distance category to park boundary	SG	NS	-
<i>Number of cattle slaughtered</i>	SG	-	NS
<i>Number of cattle deaths to disease</i>	SG	NS	-
<i>Number of cattle deaths to starvation</i>	-	NS	-
<i>Number of sheep slaughtered</i>	NS	-	-
<i>Number of sheep deaths to disease</i>	-	-	-
<i>Number of sheep deaths to starvation</i>	SG	SG	-
<i>Number of goats slaughtered</i>	NS	-	-
<i>Number of goat deaths to disease</i>	NS	-	-
<i>Number of goat deaths to starvation</i>	NS	NS	-
Boma quality (<i>adequate</i>)	NS	SG	-
Importance of crop sales to income	SG	-	NS
Area (<i>1</i>)	SG	-	-
<i>Size category of village</i>	-	-	SG
Number of cattle owned	-	SG	-
Number of sheep owned	NS	-	-
Number of goats owned	NS	NS	-