

Non-Lethal Assessment of Potentially Toxic Elements Across Mammalian Trophic Levels in African Savannahs
Running Title: Non-invasive Assessment of African Mammals

Supplementary Table S2. Summary of Fitted Models for each potentially toxic element assessed

Trace Element	Site effect	Group effect	Interaction effect	Block random effect (likelihood ratio test)	Overall effect size R²-Nagelkerke
Al	F _{1,359} = 8.63 ; p=0.004	F _{2,14} =14.06 ; p<0.001	F _{2,359} = 4.82 ; p=0.009	χ ² ₁ =147.81 ; p<0.001	0.513
As	F _{1,359} = 65.85 ; p<0.001	F _{2,14} = 0.58 ; p=0.573	F _{2,359} =11.82 ; p<0.001	χ ² ₁ =122.14 ; p<0.001	0.424
Ba	F _{1,360} =106.31 ; p<0.001	F _{2,14} = 6.15 ; p=0.012	F _{2,360} =36.01 ; p<0.001	χ ² ₁ =124.77 ; p<0.001	0.425
Cd	F _{1,358} =131.67 ; p<0.001	F _{2,14} = 0.77 ; p=0.482	F _{2,358} = 8.04 ; p<0.001	χ ² ₁ =129.95 ; p<0.001	0.492
Cr	F _{1,354} = 41.44 ; p<0.001	F _{2,14} = 8.07 ; p=0.005	F _{2,354} = 2.41 ; p=0.091	χ ² ₁ = 58.57 ; p<0.001	0.387
Hg	F _{1,360} = 20.03 ; p<0.001	F _{2,14} = 1.14 ; p=0.348	F _{2,360} =17.67 ; p<0.001	χ ² ₁ =137.45 ; p<0.001	0.359
Pb	F _{1,360} = 1.50 ; p=0.221	F _{2,14} = 9.66 ; p=0.002	F _{2,360} = 1.63 ; p=0.197	χ ² ₁ = 50.15 ; p<0.001	0.276
Sb	F _{1,358} = 14.21 ; p<0.001	F _{2,14} = 9.46 ; p=0.003	F _{2,358} =30.21 ; p<0.001	χ ² ₁ = 18.56 ; p<0.001	0.209
Sn	F _{1,359} = 0.09 ; p=0.769	F _{2,14} = 9.36 ; p=0.003	F _{2,359} = 1.42 ; p=0.243	χ ² ₁ = 61.94 ; p<0.001	0.305
Sr	F _{1,361} = 8.88 ; p=0.003	F _{2,14} = 0.68 ; p=0.522	F _{2,361} = 14.6 ; p<0.001	χ ² ₁ =266.10 ; p<0.001	0.556
V	F _{1,359} = 1.06 ; p=0.305	F _{2,14} = 7.55 ; p=0.006	F _{2,359} = 1.21 ; p=0.298	χ ² ₁ =123.91 ; p<0.001	0.443