

Supplemental Information for:

**Climatic Variables Alone do not Determine Ungulate Community Composition in the
Afrotropics**

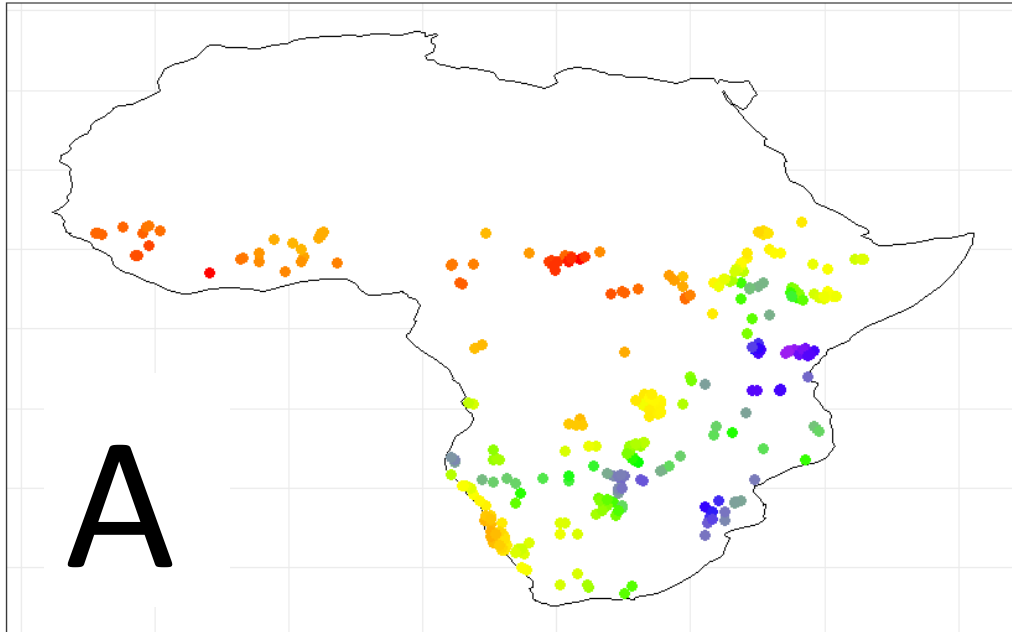
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| Common Name | Binomial |
|-----------------------|---------------------------------|
| Impala | <i>Aepyceros melampus</i> |
| Hartebeest | <i>Alcelaphus buselaphus</i> |
| Plains zebra | <i>Equus quagga</i> |
| Giraffe | <i>Giraffa camelopardalis</i> |
| Roan antelope | <i>Hippotragus equinus</i> |
| Sable antelope | <i>Hippotragus niger</i> |
| Waterbuck | <i>Kobus ellipsiprymnus</i> |
| Kob | <i>Kobus kob</i> |
| African bush elephant | <i>Loxodonta africana</i> |
| Kirk's dik-dik | <i>Madoqua kirkii</i> |
| Grant's gazelle | <i>Nanger granti</i> |
| Klipspringer | <i>Oreotragus oreotragus</i> |
| Oribi | <i>Ourebia ourebi</i> |
| Common warthog | <i>Phacochoerus africanus</i> |
| Steenbok | <i>Raphicerus campestris</i> |
| Southern reedbuck | <i>Redunca arundinum</i> |
| Mountain reedbuck | <i>Redunca fulvorufula</i> |
| Bohor reedbuck | <i>Redunca redunca</i> |
| Common duiker | <i>Sylvicapra grimmia</i> |
| Common eland | <i>Tragelaphus oryx</i> |
| Greater kudu | <i>Tragelaphus strepsiceros</i> |

Table S1. A full list of savannah species removed from the Open Habitats model manually.

First Latent Variable



Second Latent Variable

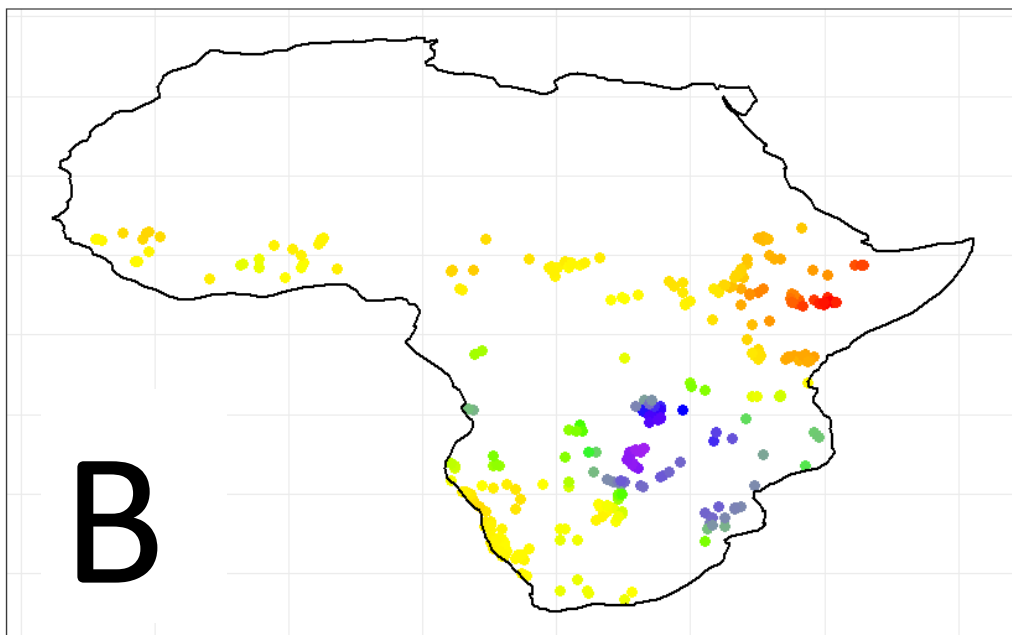
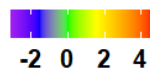
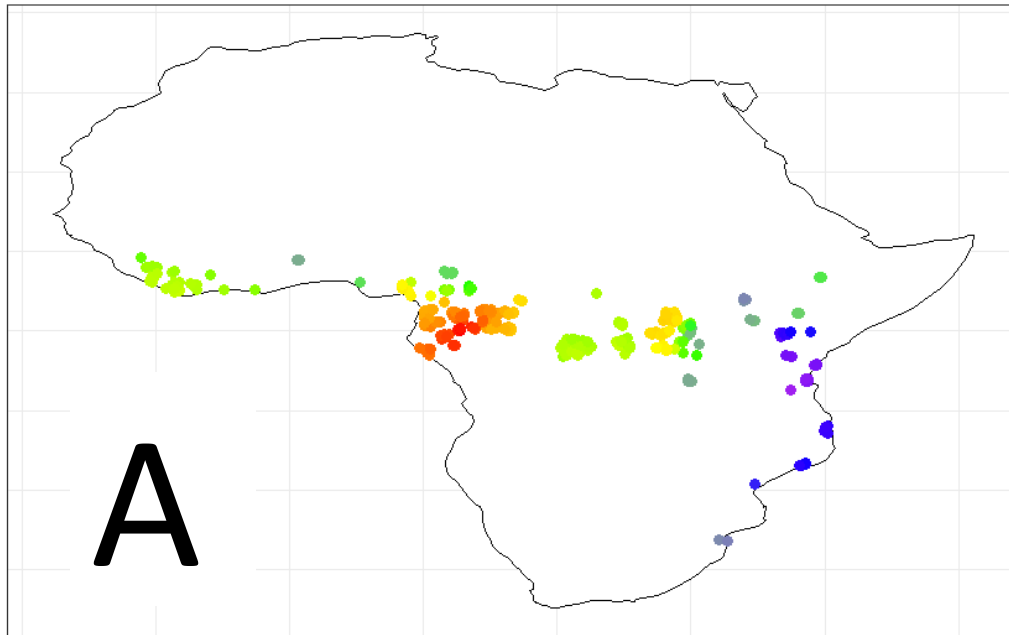


Figure S1. The raw site loadings values of the first (A, upper) and second (B, lower) latent variable from the Open Habitats model for all points in the model.

First Latent Variable



Second Latent Variable

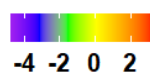
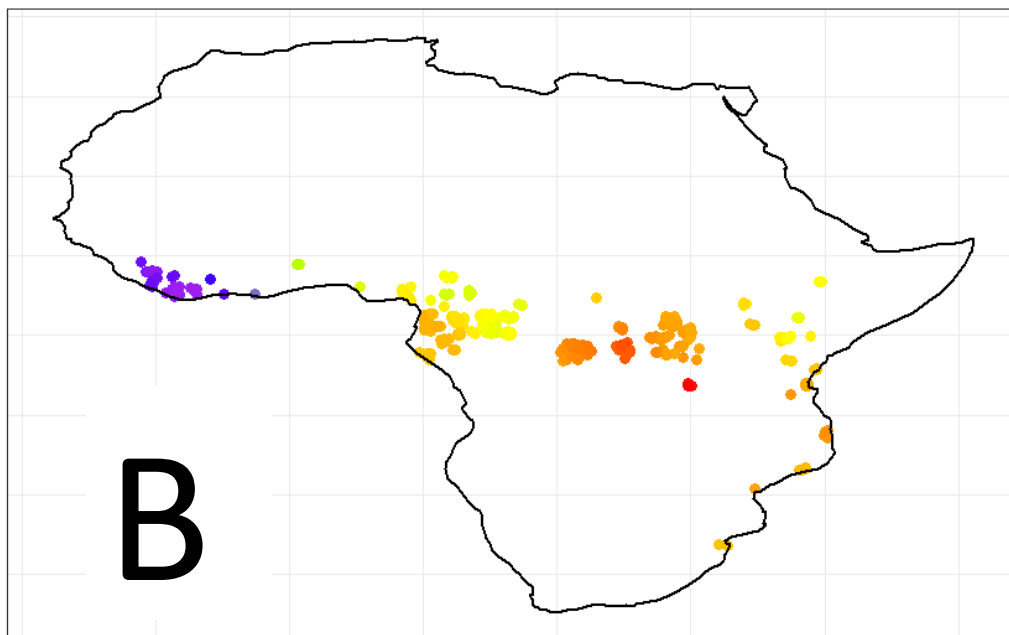


Figure S2. The raw site loadings values of the first (A, upper) and second (B, lower) latent variable from the Tropical Forests model for all points in the model.

| Name | Scientific Name |
|-----------------------|---------------------------------|
| Impala | <i>Aepyceros melampus</i> |
| Hartebeest | <i>Alcelaphus buselaphus</i> |
| Plains zebra | <i>Equus quagga</i> |
| Giraffe | <i>Giraffa camelopardalis</i> |
| Roan antelope | <i>Hippotragus equinus</i> |
| Sable antelope | <i>Hippotragus niger</i> |
| Waterbuck | <i>Kobus ellipsiprymnus</i> |
| Kob | <i>Kobus kob</i> |
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| Kirk's dik-dik | <i>Madoqua kirkii</i> |
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| Klipspringer | <i>Oreotragus oreotragus</i> |
| Oribi | <i>Ourebia ourebi</i> |
| Common warthog | <i>Phacochoerus africanus</i> |
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| Common duiker | <i>Sylvicapra grimmia</i> |
| Common eland | <i>Tragelaphus oryx</i> |
| Greater kudu | <i>Tragelaphus strepsiceros</i> |

Table S1. Table of savannah/open habitat specialists species deliberately excluded from Tropical Forests model, despite reaching prevalence threshold.