**Supplemental Information for:**

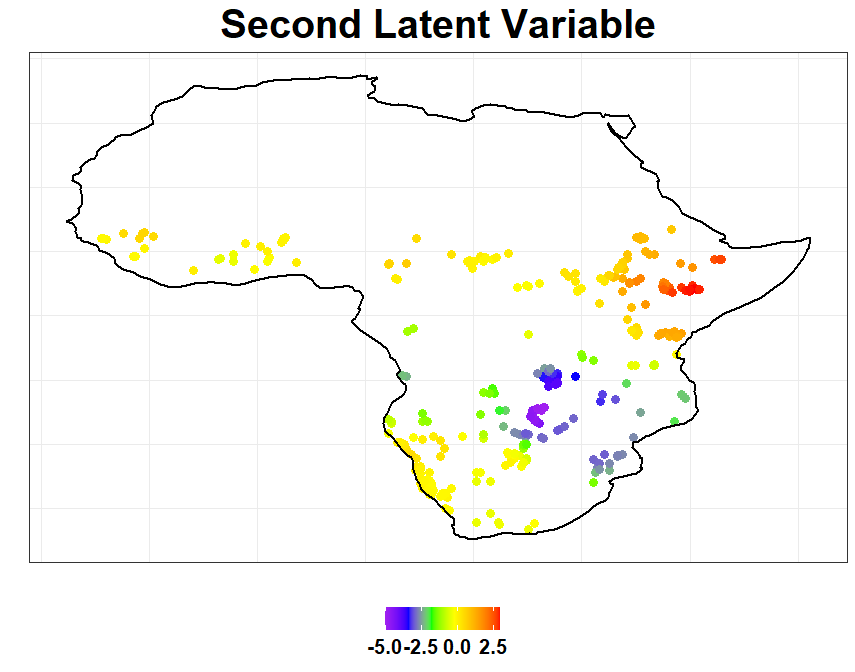
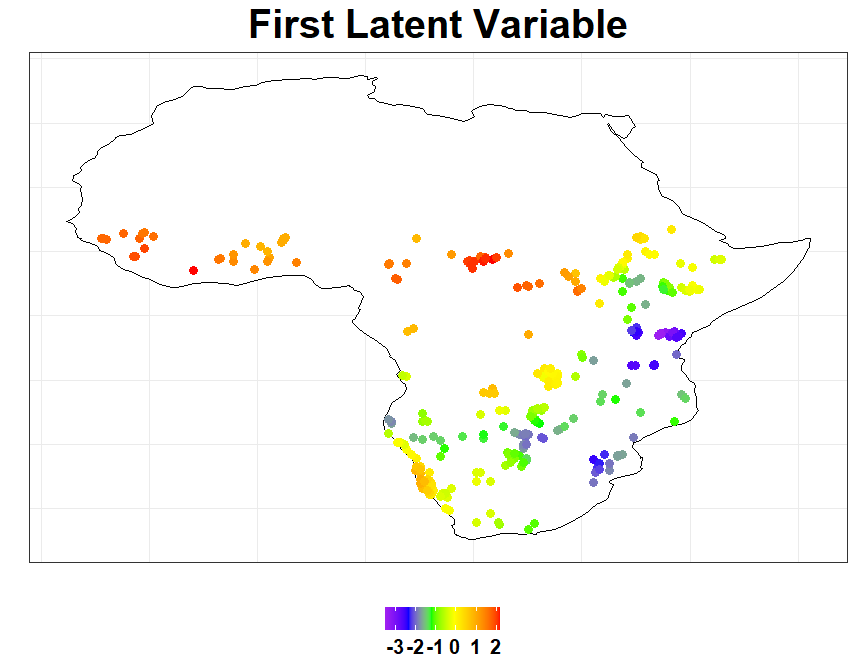
**Climatic Variables Alone do not Determine Ungulate Community Composition in the Afrotropics**

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

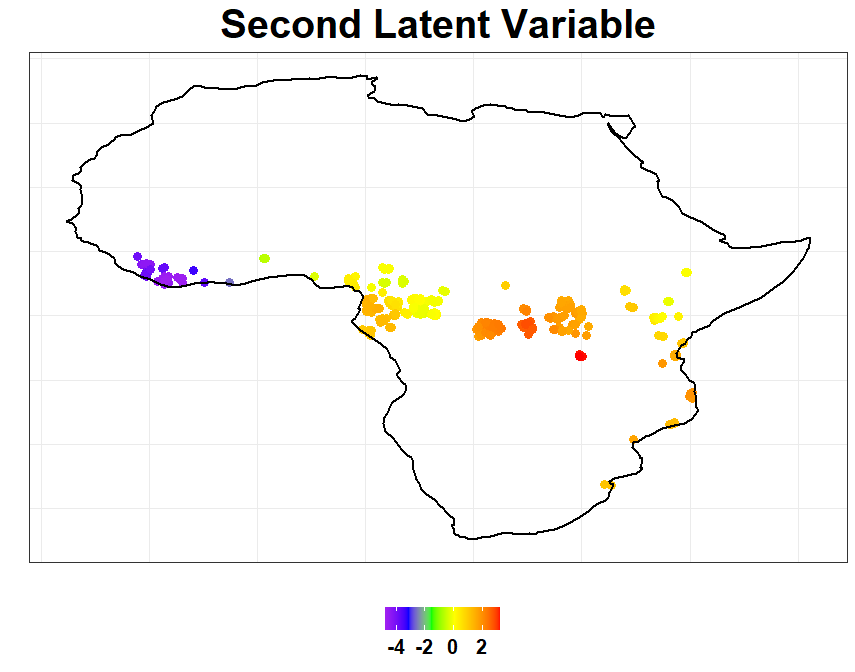
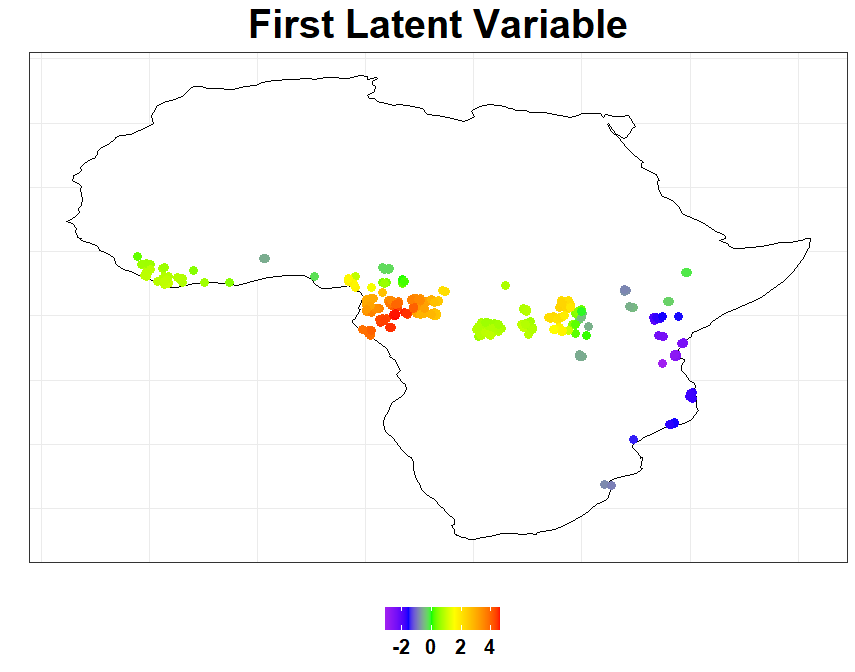
Table S1. A full list of savannah species removed from the Open Habitats model manually.



A

B

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.



A

B

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

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