# **S6 Table.** **The relationship between mammal species abundance and selected landscape variables in the Llanos region Colombia.** **Coefficients are from the saturated model using the multi-species generalized linear modelling prior to shrinkage with Lasso penalty (R package mvabund\*). SE is the standard error of the coefficient. For scientific names and details of the species, refer to S1 Table.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | **Giant.anteater** | **Lesser.anteater** | **Armadillo** | **Naked.armadillo** |
|  | *Coefficient* | *SE* | *Coefficient* | *SE* | *Coefficient* | *SE* | *Coefficient* | *SE* |
| (Intercept) | 1.15 | 0.23 | 0.19 | 0.27 | 0.71 | 0.35 | -1.93 | 0.69 |
| Land Cover Type (oil palm plantation) | -0.97 | 0.37 | -0.95 | 0.43 | -4.89 | 1.24 | -12.69 | 156.02 |
| Forest (%) | -0.36 | 0.19 | -0.13 | 0.21 | 0.18 | 0.27 | 0.37 | 0.40 |
| Dist. Road (km) | 0.08 | 0.12 | -0.23 | 0.16 | -0.60 | 0.27 | -1.26 | 0.65 |
| Dist. Town (km) | -0.16 | 0.12 | -0.25 | 0.17 | 0.25 | 0.26 | -0.32 | 0.55 |
| NDVI | -0.18 | 0.12 | 0.49 | 0.22 | -0.57 | 0.36 | 0.79 | 0.73 |
|   | **Fox** | **Jaguarundi** | **Ocelot** | **Raccoon** |
|  | *Coefficient* | *SE* | *Coefficient* | *SE* | *Coefficient* | *SE* | *Coefficient* | *SE* |
| (Intercept) | -1.33 | 0.64 | -3.19 | 0.95 | 0.16 | 0.31 | -1.71 | 0.90 |
| Land Cover Type (oil palm plantation) | 2.29 | 0.89 | 0.35 | 1.45 | -3.10 | 0.85 | -1.46 | 1.51 |
| Forest (%) | -0.11 | 0.43 | -0.30 | 0.82 | -0.11 | 0.25 | -2.33 | 1.06 |
| Dist. Road (km) | -0.08 | 0.26 | 0.52 | 0.34 | -0.06 | 0.20 | -0.04 | 0.44 |
| Dist. Town (km) | 0.45 | 0.25 | -0.37 | 0.50 | -0.32 | 0.23 | 0.33 | 0.38 |
| NDVI | 0.24 | 0.24 | 1.19 | 0.72 | -0.12 | 0.30 | 0.28 | 0.48 |
|   | **White.T.Deer** | **Spiny.rat** | **Agouti** | **Paca** |
|  | *Coefficient* | *SE* | *Coefficient* | *SE* | *Coefficient* | *SE* | *Coefficient* | *SE* |
| (Intercept) | -1.65 | 0.58 | 0.92 | 0.38 | 1.88 | 0.43 | 2.13 | 0.30 |
| Land Cover Type (oil palm plantation) | 0.21 | 0.81 | -3.95 | 0.91 | -16.66 | 169.27 | -16.98 | 174.08 |
| Forest (%) | -0.06 | 0.40 | 0.03 | 0.29 | 0.08 | 0.33 | 0.02 | 0.24 |
| Dist. Road (km) | -0.43 | 0.34 | -0.50 | 0.25 | 0.05 | 0.26 | 0.19 | 0.18 |
| Dist. Town (km) | 0.29 | 0.27 | -0.04 | 0.28 | 0.74 | 0.32 | 0.27 | 0.22 |
| NDVI | 0.46 | 0.34 | 0.51 | 0.41 | 0.22 | 0.48 | -0.23 | 0.34 |
|   | **Capybara** | **Squirrel** | **Common.oppossum** |   |   |
|  | *Coefficient* | *SE* | *Coefficient* | *SE* | *Coefficient* | *SE* |  |  |
| (Intercept) | -2.33 | 0.91 | -0.60 | 0.57 | 1.45 | 0.43 |  |  |
| Land Cover Type (oil palm plantation) | 1.00 | 1.30 | -14.19 | 159.49 | -1.80 | 0.68 |  |  |
| Forest (%) | 2.11 | 0.58 | 0.14 | 0.39 | 0.22 | 0.32 |  |  |
| Dist. Road (km) | 0.25 | 0.38 | -0.01 | 0.28 | 0.14 | 0.22 |  |  |
| Dist. Town (km) | -0.38 | 0.42 | 1.01 | 0.40 | -0.35 | 0.24 |  |  |
| NDVI | -0.60 | 0.42 | 0.41 | 0.63 | 0.46 | 0.28 |   |   |

Abbreviations: Land cover type refers to riparian forest and oil palm plantations, forest (%) = percentage of forest in the 500 m radius buffer, Dist.road (km) and Dist.town (km) = the average nearest distance to roads and towns (respectively), NDVI: Normalized Difference Vegetation Index. Variables were standardized for direct comparison. \*Wang et al. 2012