## Electronic Supplementary Material

**Table S1.** Quantitative characterization of land-use and cover classes surrounding the Dom Pedro I highway (SP-065).

| Variable | Proportion (%) | |
|---|---|---|
| | Radii (3 km) | Radii (6 km) |
| Mosaic of uses | 27.160 | 26.096 |
| Pasture | 22.969 | 23.844 |
| Forest | 20.386 | 21.173 |
| Urban area | 14.256 | 14.164 |
| Agriculture | 9.072 | 8.332 |
| Water bodies | 2.945 | 2.988 |
| Silviculture | 2.123 | 2.639 |
| Other non-vegetated area | 0.959 | 0.651 |
| Mining | 0.117 | 0.094 |
| Wetland | 0.009 | 0.005 |
| Rocky outcrop | 0.004 | 0.014 |

## Figure Captions

**Fig S1** Selected model for functional group G1 with a 500 m radius, where G1 represents small home-range mammals (<30.635 ha) commonly found in anthropic areas

**Fig S2** Selected model for functional group G3 with a 3,000 m radius. G3 represents large home-range mammals (≥30.635 ha) commonly found in anthropic areas. The p-value for the pasture variable was > 0.05

**Fig S3** Selected model for functional group G3 with a 6,000 m radius. G3 represents large home-range mammals (≥30.635 ha) commonly found in anthropic areas. The p-value for the pasture variable was > 0.05

**Fig S4** Selected model for functional group G5 with a 3,000 m radius. G5 represents the capybara (*Hydrochoerus hydrochaeris*, Linnaeus 1766)