**Supplemental Material I**

Characteristics of forest patches sampled with the presence of blonde capuchin monkey populations (*Sapajus flavius*) in the Pernambuco, northeastern Brazil. Sources:IBGE (2010); Fialho *et al*. (2014); Altitude from Shuttle Radar Topography Mission – SRTM with 90 m × 90 m resolution (Miranda 2000); \*Protected area with integral protection.

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| --- | --- | --- | --- | --- | --- |
| Study sites/Parameters | Mata dos  Macacos  (MDM) | Mata de  Água Azul  (MAA) | Mata da  Divisa  (MDD) | Mata de  Bujari  (MDB) | Mata dos  Oito Porcos (MOP) |
| Geographical coordenates | 07°46’39,4”S 35°00’46,8”W | 07°36’33,0”S 35°23’31,0”W | 07°30’47,7”S 34°58’33,2”W | 07°36’3,1”S 34°59’32,8”W | 07°36’29,1”S 35°28’05,9”W |
| Municipality | Igarassu | Timbaúba, Vicência e Macaparana | Goiana | Goiana | São Vicente  Férrer |
| Size (ha) | 340 | ~3000 | 215 | 1065 | 300 |
| Relief | Coastal Plateu | Rugged | Coastal Plateu | Coastal Plateu | Rugged |
| Altitude (m a.s.l) | 94 | 543 | 53 | 99 | 525 |
| Vegetation | Semideciduous | Semideciduous | Semideciduous | Semideciduous | Semideciduous |
| Matrix | Sugar cane | Banana plantation | Sugar cane, industry, human settlements | Sugar cane | Banana plantation |
| Type of area | Private | Protected area\* | Private | Private | Private |

All forest patches sampled demonstrated some evidence of human disturbance across the study period. It was possible to record the presence of artifacts to hunt terrestrial mammals (Figs. A and B), selective and indiscriminate logging (Figs. C and D), and human presence (Figs. E and F). Photos: Isabel Guedes



