**SUPPLEMENTARY TABLES**

**Table S1**. Categories of protected areas comprised by strictly protected areas and sustainable use protected areas according to the Federal Law nº 9.985/2000, which legislates the National System of Protected Areas (Sistema Nacional de Unidades de Conservação - SNUC law), and their IUCN Category equivalence according to Rylands & Brandon (2005).

|  |  |  |
| --- | --- | --- |
| Type | Category | IUCN Category\* |
| Strict protection | Ecological Station | Ia |
| Biological Reserve | Ia |
| National Park | II |
| Natural Monument | III |
| Wildlife Refuge | III |
| Sustainable use | Environmental Protection Area | V |
| Area of Relevant Ecological Interest | IV |
| National Forest | VI |
| Extractive Reserve | VI |
| Fauna Reserve | VI |
| Sustainable Development Reserve | VI |
| Private Reserve | IV |

\* According to Rylands, A. B., & Brandon, K. (2005). Brazilian protected areas. Conservation Biology, 19(3), 612–618. https://doi.org/10.1111/j.1523-1739.2005.00711.x

**Table S2**. Contingency table with observed number and expected (in parenthesis) frequencies of protected areas by protection type (strict protection, sustainable use or environmental protected area) and jurisdiction (federal or state) at Caatinga, Brazil.

|  |  |  |
| --- | --- | --- |
|  | Jurisdiction | |
| Protection type | Federal | State |
| Environmental protected area | 7 (10.79) | 28 (24.21) |
| Sustainable use | 9 (5.24) | 8 (11.76) |
| Strict protection | 17 (16.96) | 38 (38.04) |

**Table S3**. Total area and proportion (%) of state area congruent with caatinga biome, and number (N), area and proportion (%) of this area in strictly protected areas, sustainable use protected areas and environmental protected areas (EPA). States abbreviations: Piauí (PI), Maranhão (MA), Bahia (BA), Minas Gerais (MG), Ceará (CE), Pernambuco (PE), Paraíba (PB), Alagoas (AL), Sergipe (SE), and Rio Grande do Norte (RN). The total area excludes the area of ​​protected areas overlapped by different protection types (strict protection, sustainable use, and EPA).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CAATINGA AREA AT STATES | | |  | PROTECTED AREAS | | | |
|  | Area (ha) | (%) |  |  | N | Area (ha) | (%) |
| PI | 15,809,943 | 62.9 |  | Strict protection | 3 | 364,915 | 2.3 |
|  | Sustainable use | 1 | 165 | 0.0 |
|  | EPA | 4 | 1,439,319 | 9.1 |
|  | TOTAL | | 1,804,401 | 11.4 |
| BA | 30,096,155 | 53.3 |  | Strict protection | 11 | 742,670 | 2.5 |
|  | Sustainable use | 3 | 23,379 | 0.1 |
|  | EPA | 9 | 2,927,875 | 9.7 |
|  | TOTAL | | 3,693,927 | 12.3 |
| MA | 374.947 | 1.1 |  | Strict protection | 0 | 0 | 0 |
|  | Sustainable use | 1 | 591 | 0.2 |
|  | EPA | 4 | 33,825 | 9.0 |
|  | TOTAL | | 34,416 | 9.2 |
| MG | 1,110,053 | 1.9 |  | Strict protection | 6 | 84,034 | 7.6 |
|  | Sustainable use | 0 | 0 | 0.0 |
|  | EPA | 3 | 12,868 | 1.2 |
|  | TOTAL | | 96,909 | 8.7 |
| CE | 14,881,104 | 100 |  | Strict protection | 14 | 49,866 | 0.3 |
|  | Sustainable use | 8 | 41,262 | 0.3 |
|  | EPA | 15 | 922,256 | 6.2 |
|  | TOTAL | | 1,013,385 | 6.8 |
| PE | 8,112,983 | 82.5 |  | Strict protection | 14 | 223,182 | 2.8 |
|  | Sustainable use | 1 | 3,004 | 0.0 |
|  | EPA | 4 | 413,956 | 5.1 |
|  | TOTAL | | 640,145 | 7.9 |
| PB | 5,137,565 | 91.0 |  | Strict protection | 5 | 1,772 | 0.0 |
|  | Sustainable use | 1 | 65 | 0.0 |
|  | EPA | 3 | 52,642 | 1.0 |
|  | TOTAL | | 54,479 | 1.1 |
| AL | 1,299,977 | 46.8 |  | Strict protection | 3 | 12,629 | 1.0 |
|  | Sustainable use | 0 | 0 | 0.0 |
|  | EPA | 0 | 0 | 0.0 |
|  | TOTAL | | 12,630 | 1.0 |
| SE | 1,002,415 | 45.8 |  | Strict protection | 1 | 6,515 | 0.6 |
|  | Sustainable use | 0 | 0 | 0.0 |
|  | EPA | 0 | 0 | 0.0 |
|  | TOTAL | | 6,515 | 0.6 |
| RN | 4,968,149 | 94.1 |  | Strict protection | 2 | 14,897 | 0.3 |
|  | Sustainable use | 2 | 9,590 | 0.2 |
|  | EPA | 2 | 16,772 | 0.3 |
|  | TOTAL | | 41,259 | 0.8 |