**Supplementary material 7.** Species composition per surveyed area during 2017-2019 in the Caatinga of Rio Grande do Norte State. Acronyms of trophic guilds are: (I) insectivorous, (A) animalivorous, (F) frugivorous, (S) Sanguinivorous, (O) omnivorous, (P) piscivorous and (N) nectarivorous; and for localities are: (ANF) Açú National Forest, (FFNP) Furna Feia National Park, (SES), Seridó Ecological Station, (FG) Felipe Guerra, (MAR) Martins, (LAJ) Lajes. Ocurr. (%) corresponds to the percentage of occurrence of each species in each locality.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Family/**Subfamily | ***Species*** | **Trophic Guild** | **ANF** | **SES** | **FFNP** | **FG** | **MAR** | **LAJ** | **Total** | **Occurr. (%)** |
| **Emballonuridae** (1) | *Peropteryx macrotis* | I |  |  |  | 13 |  | 17 | 30 | 2 (33.3%) |
| **Phyllostomidae** (20) |  |  |  |  |  |  |  |  |  |  |
| Micronycterinae | *Micronycteris megalotis* | A |  |  |  |  |  | 4 | 4 | 1 (16.6%) |
|  | *Micronycteris sanborni* | A |  | 9 |  | 2 |  |  | 11 | 2 (33.3%) |
|  | *Micronycteris schmidtorum* | A |  | 1 | 1 | 4 |  |  | 6 | 3 (50%) |
| Desmontoninae | *Desmodus rotundus* | S | 1 | 1 | 7 | 50 | 5 | 89 | 153 | 6 (100%) |
|  | *Diphylla ecaudata* | S | 1 |  |  | 9 |  | 19 | 29 | 3 (50%) |
| Phyllostominae | *Phyllostomus discolor* | O |  |  | 5 | 7 |  | 8 | 20 | 3 (50%) |
|  | *Phyllostomus hastatus* | O |  |  |  |  | 2 |  | 2 | 1 (16.6%) |
|  | *Tonatia bidens* | A |  |  | 1 | 3 |  | 30 | 34 | 3 (50%) |
|  | *Trachops cirrhosus* | A | 2 | 1 |  | 7 |  | 27 | 37 | 4 (66.6%) |
| Glossophaginae | *Anoura geoffroyi* | N |  |  |  |  | 5 |  | 5 | 1 (16.6%) |
|  | *Glossophaga soricina* | N | 12 |  | 3 | 29 | 10 | 118 | 172 | 5 (83.3%) |
| Lonchophyllinae | *Lonchophylla inexpectata* | N |  |  |  |  |  | 83 | 83 | 1 (16.6%) |
|  | *Lonchophylla mordax* | N | 1 | 7 |  | 18 | 1 | 117 | 144 | 4 (66.6%) |
|  | *Lonchophylla sp.* | N |  |  |  | 1 |  | 3 | 4 | 2 (33.3%) |
|  | *Xeronycteris vieirai* | N |  |  |  |  |  | 72 | 72 | 1 (16.6%) |
| Carolliinae | *Carollia perspicillata* | F |  |  | 1 |  | 16 |  | 17 | 2 (33.3%) |
| Stenodermatinae | *Artibeus lituratus* | F |  |  |  |  | 6 |  | 6 | 1 (16.6%) |
|  | *Artibeus planirostris* | F | 48 | 34 | 21 | 171 | 178 | 164 | 616 | 6 (100%) |
|  | *Platyrrhinus lineatus* | F | 1 |  |  | 1 | 15 |  | 17 | 3 (50%) |
|  | *Sturnira lillium* | F |  |  |  |  | 29 |  | 29 | 1 (16.6%) |
| **Noctilionidae** (2) | *Noctilio leporinus* | P |  | 1 |  | 5 | 1 |  | 7 | 3 (50%) |
|  | *Noctilio sp.* | P |  | 1 |  | 1 |  |  | 2 | 2 (33.3%) |
| **Mormoopidae** (1) | *Pteronotus gymnonotus* | I | 2 |  |  | 4 |  | 1 | 7 | 3 (50%) |
| **Molossidae** (5) | *Eumops* sp. | I |  |  | 1 |  |  |  | 1 | 1 (16.6%) |
|  | *Molossops temminckii* | I |  | 1 |  |  |  |  | 1 | 1 (16.6%) |
|  | *Molossus molossus* | I |  |  |  |  |  | 1 | 1 | 1 (16.6%) |
|  | *Neoplatymops mattogrossensis* | I |  | 5 |  |  |  | 1 | 6 | 2 (33.3%) |
|  | *Promops nasutus* | I |  |  | 1 |  |  |  | 1 | 1 (16.6%) |
|  | *Rhogeessa hussoni* | I |  |  |  |  |  | 8 | 8 | 1 (16.6%) |
| Sampling effort (hm2) |  |  | 14198.8 | 22612.5 | 14068.8 | 27102.5 | 14267.5 | 150175.0 | 242425 |  |
| Abundance |  |  | 76 | 96 | 42 | 326 | 268 | 767 | 1575 |  |
| Effort Corrected Abundance |  |  | 48.6 | 43.8 | 22.4 | 202.4 | 107.2 | 100.6 |  |  |