**Data description**

**Functional diversity and trait filtering of insectivorous bats on forest islands created by an Amazonian mega dam**

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| **Table L - species** |  |
| **Abbreviation** | **Species name** |
| Cbre | *Cormura brevirostris* |
| Cmax | *Centronycteris maximilliani* |
| Ebra\_chi | *Eptesicus brasiliensis*/*chiriquinus* |
| Efur | *Eptesicus furinalis* |
| Mrip | *Myotis riparius* |
| Nlep | *Noctilio leporinus* |
| Pali | *Pteronotus alitonus* |
| Pgym | *Pteronotus gymnonotus* |
| Pper | *Pteronotus personatus* |
| Prub | *Pteronotus rubiginosus* |
| Rnas | *Rhinchonycteris naso* |
| Sbil | *Saccopteryx bilineata* |
| Scan | *Saccopteryx canescens* |
| Slep | *Saccopteryx leptura* |
| Pkap | *Peropteryx kappleri* |
| Pmac | *Peropteryx macrotis* |
| Ptri | *Peropteryx trinitatis* |
|  |  |
| **Site name** | **Site type** |
| CF1 | Continuous forest |
| CF2 | Continuous forest |
| CF3 | Continuous forest |
| CF4 | Continuous forest |
| CF5 | Continuous forest |
| CF6 | Continuous forest |
| abusado | Island |
| andre | Island |
| bacaba | Island |
| beco | Island |
| cipoal | Island |
| coata | Island |
| formiga | Island |
| furo | Island |
| garrafa | Island |
| gaviaoreal | Island |
| jabuti | Island |
| jiquitaia | Island |
| joaninha | Island |
| martelo | Island |
| mascote | Island |
| moita | Island |
| neto | Island |
| palhal | Island |
| panema | Island |
| petorto | Island |
| piquia | Island |
| pontal | Island |
| portoseguro | Island |
| relogio | Island |
| sapupara | Island |
| toquinho | Island |
| torem | Island |
| tristeza | Island |
|  |  |
| **Table Q - traits** |  |
| **Abbreviation** | **Trait name** |
| BM | Body mass |
| RWL | Relative wing loading |
| AR | Aspect ratio |
| FME | Frequency with maximum energy |
| Call | Call structure |
| VertStrat | Vertical stratification |
|  |  |
| **Table R - environment variables** | |
| **Abbreviation** | **Variable name - description** |
| LONG\_degree | Longitude in decimal degrees |
| LAT\_degree | Latitude in decimal degrees |
| Local | Site type |
| Edge | Edge distance (m) - shortest distance from the recorder to the edge of the islands and the mainland |
| FBA | Forest basal area (m2) |
| Clutter | Vegetation clutter (%) |
| Tree\_abund | Tree abundance - number of adult tree stems |
| Tree\_ric | Tree richness - number of adult tree species with diameter at breast height ≥ 10 cm |
| Fire | Fire severity |
| Area | Forest area (ha) |
| Dist\_CF | Distance to continuous forest (m) - shortest distance from each survey island to the nearest continuous forest |
| FC\_500 | Forest cover in the 500m buffer (%) |
| FC\_1000 | Forest cover in the 1000m buffer (%) |
| FC\_1500 | Forest cover in the 1500m buffer (%) |
| FC\_2000 | Forest cover in the 2000m buffer (%) |