

Appendix 2. Abundance, boundary sensitivity, and traits of all bird species detected at least five times along gallery forest-savannas boundaries in an Amazonian savanna landscape, Amapá, Brazil.

| Family/Species                 | Detections |        |         | Boundary sensitivity index | Body Mass (g) | Trophic Level | Range Size (million km <sup>2</sup> ) | Kipp's Index | Rarity |
|--------------------------------|------------|--------|---------|----------------------------|---------------|---------------|---------------------------------------|--------------|--------|
|                                | Total      | Forest | Savanna |                            |               |               |                                       |              |        |
| <b>Tinamidae</b>               |            |        |         |                            |               |               |                                       |              |        |
| <i>Crypturellus soui</i>       | 5          | 4      | 1       | 0.60                       | 206.0         | omnivores     | 15.2                                  | 26.8         | 64.5   |
| <b>Cracidae</b>                |            |        |         |                            |               |               |                                       |              |        |
| <i>Ortalis motmot</i>          | 14         | 9      | 5       | 0.28                       | 502.0         | herbivores    | 2.6                                   | 14.8         | 28.5   |
| <b>Columbidae</b>              |            |        |         |                            |               |               |                                       |              |        |
| <i>Columbina passerina</i>     | 6          | 1      | 5       | 0.66                       | 32.0          | herbivores    | 26.8                                  | 25.4         | 56.0   |
| <i>Leptotila rufaxilla</i>     | 7          | 5      | 2       | 0.42                       | 153.0         | herbivores    | 14.3                                  | 24.4         | 47.0   |
| <i>Leptotila verreauxi</i>     | 6          | 3      | 3       | 0                          | 155.0         | herbivores    | 26.0                                  | 21.9         | 56.0   |
| <i>Patagioenas cayennensis</i> | 27         | 12     | 15      | 0.11                       | 260.0         | herbivores    | 18.7                                  | 34.1         | 10.5   |
| <i>Patagioenas speciosa</i>    | 5          | 3      | 2       | 0.2                        | 261.0         | herbivores    | 16.9                                  | 36.5         | 64.5   |
| <b>Cuculidae</b>               |            |        |         |                            |               |               |                                       |              |        |
| <i>Piaya cayana</i>            | 17         | 10     | 7       | 0.17                       | 118.0         | insectivores  | 16.1                                  | 11.3         | 25.0   |
| <b>Trochilidae</b>             |            |        |         |                            |               |               |                                       |              |        |
| <i>Chionomesa fimbriata</i>    | 7          | 3      | 4       | 0.14                       | 4.3           | herbivores    | 12.7                                  | 63.0         | 47.0   |
| <i>Chrysolampis mosquitus</i>  | 5          | 0      | 5       | 1                          | 3.0           | herbivores    | 10.7                                  | 68.0         | 64.5   |
| <i>Phaethornis ruber</i>       | 25         | 20     | 5       | 0.6                        | 2.2           | herbivores    | 11.3                                  | 74.8         | 15.0   |
| <b>Trogonidae</b>              |            |        |         |                            |               |               |                                       |              |        |
| <i>Trogon viridis</i>          | 15         | 10     | 5       | 0.33                       | 84.0          | omnivores     | 11.8                                  | 33.2         | 26.5   |
| <b>Momotidae</b>               |            |        |         |                            |               |               |                                       |              |        |
| <i>Momotus momota</i>          | 9          | 9      | 0       | 1                          | 122.0         | insectivores  | 11.3                                  | 18.6         | 38.5   |
| <b>Galbulidae</b>              |            |        |         |                            |               |               |                                       |              |        |
| <i>Galbula galbula</i>         | 11         | 6      | 5       | 0.09                       | 29.0          | insectivores  | 2.2                                   | 24.6         | 34.5   |

**Picidae**

|                                 |    |   |   |      |       |              |      |      |      |
|---------------------------------|----|---|---|------|-------|--------------|------|------|------|
| <i>Campephilus melanoleucos</i> | 6  | 3 | 3 | 0    | 220.0 | omnivores    | 13.3 | 22.1 | 56.0 |
| <i>Dryocopus lineatus</i>       | 12 | 8 | 4 | 0.33 | 200.0 | insectivores | 21.3 | 20.5 | 31.5 |

**Thamnophilidae**

|                                 |    |    |   |      |      |              |      |      |      |
|---------------------------------|----|----|---|------|------|--------------|------|------|------|
| <i>Cercomacroides tyrannina</i> | 14 | 10 | 4 | 0.42 | 17.0 | insectivores | 7.0  | 9.3  | 28.5 |
| <i>Formicivora grisea</i>       | 12 | 6  | 6 | 0    | 11.0 | insectivores | 8.8  | 8.2  | 31.5 |
| <i>Myrmeciza longipes</i>       | 10 | 6  | 4 | 0.2  | 22.0 | insectivores | 3.2  | 6.4  | 36.5 |
| <i>Myrmotherula axillaris</i>   | 6  | 6  | 0 | 1    | 8.0  | insectivores | 10.4 | 15.2 | 56.0 |
| <i>Thamnophilus doliatus</i>    | 8  | 4  | 4 | 0    | 28.0 | insectivores | 18.3 | 9.0  | 41.5 |
| <i>Thamnophilus punctatus</i>   | 26 | 21 | 5 | 0.61 | 20.0 | insectivores | 3.8  | 10.1 | 12.5 |

**Dendrocolaptidae**

|                                |    |    |   |      |      |              |      |      |      |
|--------------------------------|----|----|---|------|------|--------------|------|------|------|
| <i>Glyphorynchus spirurus</i>  | 6  | 4  | 2 | 0.33 | 14.0 | insectivores | 13.5 | 23.9 | 56.0 |
| <i>Dendrocincla fuliginosa</i> | 7  | 7  | 0 | 1    | 37.0 | insectivores | 12.3 | 18.3 | 47.0 |
| <i>Dendroplex picus</i>        | 18 | 13 | 5 | 0.44 | 40.0 | insectivores | 12.5 | 17.8 | 22.5 |
| <i>Xiphorhynchus guttatus</i>  | 19 | 16 | 3 | 0.68 | 65.0 | insectivores | 6.0  | 16.2 | 19.5 |

**Pipridae**

|                            |    |   |   |      |      |            |      |      |      |
|----------------------------|----|---|---|------|------|------------|------|------|------|
| <i>Chiroxiphia pareola</i> | 10 | 5 | 5 | 0    | 19.0 | herbivores | 10.9 | 10.4 | 36.5 |
| <i>Pipra aureola</i>       | 15 | 8 | 7 | 0.06 | 15.0 | omnivores  | 2.3  | 19.3 | 26.5 |

**Tityridae**

|                                  |    |   |    |      |      |              |      |      |      |
|----------------------------------|----|---|----|------|------|--------------|------|------|------|
| <i>Pachyrampus polychopterus</i> | 18 | 7 | 11 | 0.22 | 20.0 | insectivores | 18.2 | 20.8 | 22.5 |
|----------------------------------|----|---|----|------|------|--------------|------|------|------|

**Rhynchocyclidae**

|                                 |    |    |    |      |      |              |      |      |      |
|---------------------------------|----|----|----|------|------|--------------|------|------|------|
| <i>Tolmomyias poliocephalus</i> | 7  | 5  | 2  | 0.42 | 11.0 | omnivores    | 10.0 | 14.9 | 47.0 |
| <i>Lophotriccus galeatus</i>    | 28 | 20 | 8  | 0.43 | 10.0 | insectivores | 4.8  | 17.3 | 9.0  |
| <i>Todirostrum cinereum</i>     | 8  | 4  | 4  | 0    | 7.0  | insectivores | 17.6 | 16.7 | 41.5 |
| <i>Tolmomyias flaviventris</i>  | 53 | 37 | 16 | 0.39 | 14.0 | omnivores    | 10.2 | 16.2 | 1.0  |

**Tyrannidae**

|                           |   |   |   |      |      |              |     |     |      |
|---------------------------|---|---|---|------|------|--------------|-----|-----|------|
| <i>Attila cinnamomeus</i> | 7 | 6 | 1 | 0.71 | 33.0 | insectivores | 6.4 | 9.0 | 47.0 |
|---------------------------|---|---|---|------|------|--------------|-----|-----|------|

|                               |    |    |    |      |       |              |      |      |      |
|-------------------------------|----|----|----|------|-------|--------------|------|------|------|
| <i>Camptostoma obsoletum</i>  | 12 | 8  | 4  | 0.33 | 9.0   | omnivores    | 17.9 | 14.2 | 31.5 |
| <i>Elaenia flavogaster</i>    | 29 | 12 | 17 | 0.17 | 21.3  | omnivores    | 19.4 | 14.9 | 8.0  |
| <i>Empidonomus varius</i>     | 6  | 3  | 3  | 0    | 25.0  | insectivores | 12.9 | 20.8 | 56.0 |
| <i>Legatus leucophaeus</i>    | 5  | 3  | 2  | 0.2  | 23.0  | omnivores    | 18.6 | 25.4 | 64.5 |
| <i>Megarynchus pitangua</i>   | 18 | 11 | 7  | 0.22 | 62.0  | omnivores    | 20.5 | 22.7 | 22.5 |
| <i>Myiarchus ferox</i>        | 8  | 4  | 4  | 0    | 24.0  | omnivores    | 13.6 | 12.0 | 41.5 |
| <i>Myiarchus swainsoni</i>    | 7  | 0  | 7  | 1    | 23.5  | omnivores    | 14.0 | 16.6 | 47.0 |
| <i>Myiarchus tyrannulus</i>   | 19 | 6  | 13 | 0.36 | 29.8  | omnivores    | 26.4 | 14.1 | 19.5 |
| <i>Myiopagis gaimardii</i>    | 42 | 24 | 18 | 0.14 | 12.0  | insectivores | 12.1 | 18.4 | 5.0  |
| <i>Phaeomyias murina</i>      | 6  | 2  | 4  | 0.33 | 10.0  | omnivores    | 15.0 | 15.4 | 56.0 |
| <i>Pitangus sulphuratus</i>   | 18 | 11 | 7  | 0.22 | 63.0  | omnivores    | 25.8 | 16.7 | 22.5 |
| <i>Tyrannus melancholicus</i> | 27 | 13 | 14 | 0.04 | 39.0  | omnivores    | 28.5 | 22.4 | 10.5 |
| <b>Vireonidae</b>             |    |    |    |      |       |              |      |      |      |
| <i>Hylophilus pectoralis</i>  | 8  | 3  | 5  | 0.25 | 11.5  | omnivores    | 7.8  | 13.9 | 41.5 |
| <i>Cyclarhis gujanensis</i>   | 47 | 28 | 19 | 0.19 | 28.0  | insectivores | 21.7 | 17.9 | 2.0  |
| <i>Vireo chivi</i>            | 30 | 20 | 10 | 0.33 | 15.0  | omnivores    | 17.3 | 24.1 | 7.0  |
| <b>Troglodytidae</b>          |    |    |    |      |       |              |      |      |      |
| <i>Cantorchilus leucotis</i>  | 25 | 15 | 10 | 0.20 | 16.0  | insectivores | 11.2 | 12.2 | 15.0 |
| <i>Troglodytes musculus</i>   | 6  | 1  | 5  | 0.66 | 11.0  | insectivores | 59.2 | 14.1 | 56.0 |
| <b>Poliophtilidae</b>         |    |    |    |      |       |              |      |      |      |
| <i>Poliophtila plumbea</i>    | 41 | 17 | 24 | 0.17 | 6.4   | insectivores | 15.8 | 12.3 | 6.0  |
| <b>Turdidae</b>               |    |    |    |      |       |              |      |      |      |
| <i>Turdus leucomelas</i>      | 46 | 35 | 11 | 0.52 | 62.0  | omnivores    | 13.8 | 22.5 | 3.0  |
| <b>Passerellidae</b>          |    |    |    |      |       |              |      |      |      |
| <i>Ammodramus humeralis</i>   | 12 | 0  | 12 | 1    | 16.0  | herbivores   | 16.4 | 4.3  | 31.5 |
| <b>Icteridae</b>              |    |    |    |      |       |              |      |      |      |
| <i>Cacicus cela</i>           | 6  | 3  | 3  | 0    | 104.0 | omnivores    | 11.2 | 27.5 | 56.0 |
| <i>Psarocolius viridis</i>    | 6  | 5  | 1  | 0.66 | 375.0 | omnivores    | 6.2  | 23.4 | 56.0 |

**Thraupidae**

|                           |    |    |    |      |      |            |      |      |      |
|---------------------------|----|----|----|------|------|------------|------|------|------|
| <i>Coereba flaveola</i>   | 44 | 22 | 22 | 0    | 9.0  | herbivores | 22.4 | 19.3 | 4.0  |
| <i>Dacnis cayana</i>      | 7  | 3  | 4  | 0.14 | 12.0 | omnivores  | 15.7 | 24.4 | 47.0 |
| <i>Nemosia pileata</i>    | 5  | 4  | 1  | 0.60 | 14.0 | omnivores  | 13.8 | 20.2 | 64.5 |
| <i>Ramphocelus carbo</i>  | 21 | 17 | 4  | 0.62 | 24.0 | omnivores  | 11.5 | 17.4 | 18.0 |
| <i>Stilpnia cayana</i>    | 24 | 6  | 18 | 0.50 | 18.5 | omnivores  | 5.5  | 18.6 | 17.0 |
| <i>Tangara mexicana</i>   | 6  | 2  | 4  | 0.33 | 20.0 | herbivores | 7.7  | 22.1 | 56.0 |
| <i>Thraupis episcopus</i> | 26 | 18 | 8  | 0.38 | 30.0 | omnivores  | 13.1 | 22.9 | 12.5 |
| <i>Thraupis palmarum</i>  | 25 | 17 | 8  | 0.36 | 35.0 | omnivores  | 15.6 | 21.1 | 15.0 |

**Cardinalidae**

|                      |   |   |   |   |      |           |     |      |      |
|----------------------|---|---|---|---|------|-----------|-----|------|------|
| <i>Piranga flava</i> | 5 | 0 | 5 | 1 | 41.1 | omnivores | 9.5 | 24.5 | 64.5 |
|----------------------|---|---|---|---|------|-----------|-----|------|------|

**Fringillidae**

|                            |    |   |   |      |      |            |      |      |      |
|----------------------------|----|---|---|------|------|------------|------|------|------|
| <i>Euphonia chlorotica</i> | 9  | 2 | 7 | 0.55 | 11.0 | herbivores | 15.1 | 23.2 | 38.5 |
| <i>Euphonia violacea</i>   | 11 | 4 | 7 | 0.27 | 14.0 | omnivores  | 9.4  | 28.1 | 34.5 |

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