SUPPORTING INFORMATION

**Diversity and dominance in bird assemblages across habitats in the Ñeembucú Wetlands Complex**

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**Figure S1.** Dominant habitat types in the Ñeembucú Wetlands Complex: a) riparian forests, b) savannas (dominated by the palm *Copernicia alba*), c) natural grasslands, d) anthropized habitats, e) and an aerial photograph taken from Google Earth (© 2024 Google) from 2021 of the Villafranca sector showing some representative sample points (green: riparian forests; orange: grasslands; blue: palm savannas; purple: anthropized sites).

Imagen de la pantalla de un video juego

Descripción generada automáticamente con confianza media

Gráfico, Gráfico de líneas

Descripción generada automáticamente**Figure S2.** Mean relative abundance of oligarch species per habitat type (error bars show 95% confidence intervals). Different letters indicate significative differences (*p* < 0.05) between habitat types using post-hoc Tukey’s tests.

**Figure S3.** Non-metric Multidimensional Analysis of the bird assemblages sampled at each point counts (dots) for the four habitat types during the dry season. Solid lines of the ellipsoids indicate standard deviations of the centroids. Stress value: 0.1830.

Gráfico, Gráfico de burbujas

Descripción generada automáticamente

**Figure S4.** Non-metric Multidimensional Scaling Analysis of the bird assemblages sampled at each point counts (dots) for the four habitat types during the wet season. Solid lines of the ellipsoids indicate standard deviations of the centroids. Stress value: 0.1821.

Gráfico, Gráfico de burbujas

Descripción generada automáticamente

**Table S1.** Similarity percentage analyses (SIMPER) between pair of habitats showing the average abundance (Aver.Abund)) of each species in each habitat. Species were ordered from the species with the highest contribution to the dissimilarity among habitats to the species with the lowest contribution up to a cumulative contribution of 70%. Oligarch species are indicated in bold characters. Species that significantly contributed with these differences are indicated (\*\**P* <0.01; \**P* <0.05; .*P* <0.1).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Groups Anthropized sites vs Riparian Forests** | |  |  |  |  |
| Species | Group  Anthr. sites Aver.Abund | Group  Rip. Forests Aver.Abund | Contrib (Cumulative %) | P-value |  |
| ***Myiopsitta monachus*** | 6.214 | 2.6279 | 7.0 | 0.262 |  |
| ***Progne tapera*** | 4.786 | 2.0698 | 12.5 | 0.004 | \*\* |
| ***Vanellus chilensis*** | 4.314 | 1.7326 | 16.9 | 0.594 |  |
| ***Patagioenas picazuro*** | 1.743 | 1.3023 | 19.5 | 0.541 |  |
| ***Paroaria coronata*** | 1.886 | 1.1628 | 22.0 | 0.355 |  |
| ***Molothrus bonariensis*** | 1.986 | 0.0349 | 24.2 | 0.241 |  |
| ***Furnarius rufus*** | 1.914 | 1.407 | 26.5 | 0.533 |  |
| ***Phacellodomus ruber*** | 1.857 | 1.1628 | 28.7 | 0.445 |  |
| ***Tyrannus melancholicus*** | 1.843 | 0.686 | 30.7 | 0.021 | \* |
| ***Guira guira*** | 1.171 | 1.186 | 32.8 | 0.847 |  |
| ***Sicalis flaveola*** | 1.257 | 1.0349 | 34.6 | 0.194 |  |
| *Cyanocorax chrysops* | 0.257 | 1.5349 | 36.5 | 0.171 |  |
| ***Columbina picui*** | 1.114 | 0.8256 | 38.3 | 0.678 |  |
| ***Aramides ypecaha*** | 1.071 | 1.1395 | 40.0 | 0.433 |  |
| *Forpus xanthopterygius* | 1 | 0.7209 | 41.8 | 0.120 |  |
| ***Saltator coerulescens*** | 0.614 | 1.3256 | 43.5 | 0.486 |  |
| *Phimosus infuscatus* | 1.814 | 0.3256 | 45.1 | 0.155 |  |
| *Machetornis rixosa* | 1.271 | 0.2442 | 46.5 | 0.044 | \* |
| ***Coragyps atratus*** | 0.429 | 1.0465 | 48.0 | 0.751 |  |
| *Amazonetta brasiliensis* | 0.8 | 0.6744 | 49.4 | 0.139 |  |
| *Ortalis canicollis* | 0.543 | 0.7791 | 50.8 | 0.632 |  |
| *Crotophaga ani* | 0.929 | 0.3721 | 52.2 | 0.102 |  |
| *Xolmis irupero* | 1.014 | 0.593 | 53.4 | 0.06 | . |
| ***Pitangus sulphuratus*** | 1.043 | 0.5814 | 54.7 | 0.711 |  |
| *Thraupis sayaca* | 0.729 | 0.6512 | 55.9 | 0.08 | . |
| *Schoeniophylax phryganophilus* | 0.914 | 0.3837 | 57.1 | 0.777 |  |
| *Zonotrichia capensis* | 0.943 | 0.4186 | 58.3 | 0.291 |  |
| *Tachycineta leucorrhoa* | 1 | 0.1744 | 59.4 | 0.362 |  |
| *Agelaioides badius* | 0.657 | 0.4651 | 60.5 | 0.144 |  |
| *Zenaida auriculata* | 0.414 | 0.6977 | 61.5 | 0.731 |  |
| *Cyclarhis gujanensis* | 0.243 | 0.7442 | 62.5 | 0.004 | \*\* |
| *Colaptes campestris* | 0.557 | 0.5116 | 63.5 | 0.275 |  |
| *Paroaria capitata* | 0.686 | 0.2558 | 64.5 | 0.102 |  |
| *Euphonia chlorotica* | 0.5 | 0.5349 | 65.4 | 0.055 | . |
| *Coryphistera alaudina* | 0.4 | 0.3372 | 66.3 | 0.418 |  |
| *Ammodramus humeralis* | 0.429 | 0.3837 | 67.1 | 0.847 |  |
| *Polioptila dumicola* | 0.543 | 0.3023 | 67.9 | 0.181 |  |
| *Rupornis magnirostris* | 0.186 | 0.5116 | 68.6 | 0.049 | \* |
| *Crotophaga major* | 0 | 0.6279 | 69.3 | 0.193 |  |
| *Taraba major* | 0.143 | 0.5233 | 70.0 | 0.258 |  |
| Contribution of oligarch species |  |  | 42.6 |  |  |
| Contribution of species showing significant differences |  |  | 13.0 |  |  |
| Contribution of oligarch species showing significant differences |  |  | 7.5 |  |  |
|  |  |  |  |  |  |
| **Groups Anthropized sites vs Grasslands** | |  |  |  |  |
| Species | Group  Anthr. sites Aver.Abund | Group  Grasslands Aver.Abund | Contrib (Cumulative %) | P-value |  |
| ***Myiopsitta monachus*** | 6.214 | 2.85 | 7.2 | 0.242 |  |
| ***Vanellus chilensis*** | 4.314 | 4.35 | 12.6 | 0.078 | . |
| ***Progne tapera*** | 4.786 | 1.217 | 17.7 | 0.016 | \* |
| ***Molothrus bonariensis*** | 1.986 | 1.3 | 20.7 | 0.023 | \* |
| ***Guira guira*** | 1.171 | 2.183 | 23.7 | 0.08 | . |
| ***Furnarius rufus*** | 1.914 | 1.6 | 26.2 | 0.209 |  |
| ***Phacellodomus ruber*** | 1.857 | 1.483 | 28.6 | 0.227 |  |
| ***Patagioenas picazuro*** | 1.743 | 0.933 | 31.0 | 0.765 |  |
| ***Paroaria coronata*** | 1.886 | 0.983 | 33.2 | 0.683 |  |
| *Phimosus infuscatus* | 1.814 | 0.8 | 35.3 | 0.046 | \* |
| ***Tyrannus melancholicus*** | 1.843 | 0.733 | 37.3 | 0.069 | . |
| ***Columbina picui*** | 1.114 | 1.133 | 39.3 | 0.482 |  |
| ***Aramides ypecaha*** | 1.071 | 1.267 | 41.1 | 0.344 |  |
| ***Sicalis flaveola*** | 1.257 | 0.7 | 42.8 | 0.633 |  |
| *Machetornis rixosa* | 1.271 | 0.683 | 44.5 | 0.005 | \*\* |
| *Forpus xanthopterygius* | 1 | 0.5 | 45.9 | 0.324 |  |
| *Ortalis canicollis* | 0.543 | 0.85 | 47.4 | 0.612 |  |
| *Tachycineta leucorrhoa* | 1 | 0.433 | 48.7 | 0.213 |  |
| *Mycteria americana* | 0.371 | 0.917 | 50.0 | 0.006 | \*\* |
| ***Pitangus sulphuratus*** | 1.043 | 0.683 | 51.3 | 0.622 |  |
| ***Coragyps atratus*** | 0.429 | 0.85 | 52.5 | 0.786 |  |
| *Schoeniophylax phryganophilus* | 0.914 | 0.533 | 53.8 | 0.658 |  |
| *Progne chalybea* | 0.471 | 0.733 | 55.0 | 0.005 | \*\* |
| *Xolmis irupero* | 1.014 | 0.467 | 56.2 | 0.215 |  |
| *Colaptes campestris* | 0.557 | 0.717 | 57.5 | 0.097 | . |
| *Crotophaga ani* | 0.929 | 0.133 | 58.6 | 0.331 |  |
| ***Saltator coerulescens*** | 0.614 | 0.65 | 59.8 | 0.989 |  |
| *Amazonetta brasiliensis* | 0.8 | 0.317 | 60.9 | 0.487 |  |
| *Pseudoleistes guirahuro* | 0.157 | 0.8 | 62.0 | 0.173 |  |
| *Zonotrichia capensis* | 0.943 | 0.25 | 63.0 | 0.555 |  |
| *Thraupis sayaca* | 0.729 | 0.383 | 64.1 | 0.525 |  |
| *Ammodramus humeralis* | 0.429 | 0.733 | 65.1 | 0.441 |  |
| *Campylorhynchus turdinus* | 0.343 | 0.6 | 66.1 | 0.393 |  |
| *Zenaida auriculata* | 0.414 | 0.633 | 67.1 | 0.801 |  |
| *Paroaria capitata* | 0.686 | 0.35 | 68.1 | 0.08 | . |
| *Tyrannus savana* | 0.329 | 0.683 | 69.1 | 0.002 | \*\* |
| Contribution of oligarch species |  |  | 43.2 |  |  |
| Contribution of species showing significant differences |  |  | 24.1 |  |  |
| Contribution of oligarch species showing significant differences |  |  | 18.5 |  |  |
|  |  |  |  |  |  |
| **Groups Anthropized sites vs Savannas** | |  |  |  |  |
| Species | Group  Anthr. sites Aver.Abund | Group  Savannas Aver.Abund | Contrib (Cumulative %) | P-value |  |
| ***Myiopsitta monachus*** | 6.214 | 5.24 | 7.4 | 0.146 |  |
| ***Progne tapera*** | 4.786 | 1.48 | 12.6 | 0.014 | \* |
| ***Vanellus chilensis*** | 4.314 | 2.86 | 17.3 | 0.531 |  |
| ***Patagioenas picazuro*** | 1.743 | 2.13 | 20.1 | 0.295 |  |
| ***Molothrus bonariensis*** | 1.986 | 0.99 | 22.8 | 0.04 | \* |
| ***Paroaria coronata*** | 1.886 | 1.72 | 25.5 | 0.185 |  |
| ***Phacellodomus ruber*** | 1.857 | 1.44 | 27.7 | 0.603 |  |
| ***Furnarius rufus*** | 1.914 | 1.42 | 29.8 | 0.912 |  |
| ***Tyrannus melancholicus*** | 1.843 | 0.8 | 31.8 | 0.035 | \* |
| ***Columbina picui*** | 1.114 | 1.3 | 33.8 | 0.433 |  |
| ***Guira guira*** | 1.171 | 0.95 | 35.7 | 0.974 |  |
| ***Sicalis flaveola*** | 1.257 | 1.13 | 37.4 | 0.528 |  |
| *Agelasticus cyanopus* | 0.6 | 1.33 | 39.0 | 0.053 | . |
| ***Aramides ypecaha*** | 1.071 | 0.93 | 40.6 | 0.908 |  |
| *Schoeniophylax phryganophilus* | 0.914 | 0.95 | 42.2 | 0.137 |  |
| *Chauna torquata* | 0.129 | 1.67 | 43.8 | 0.357 |  |
| *Machetornis rixosa* | 1.271 | 0.43 | 45.3 | 0.055 | . |
| *Phimosus infuscatus* | 1.814 | 0.15 | 46.7 | 0.304 |  |
| *Crotophaga ani* | 0.929 | 0.43 | 48.1 | 0.099 | . |
| ***Saltator coerulescens*** | 0.614 | 1 | 49.5 | 0.947 |  |
| ***Pitangus sulphuratus*** | 1.043 | 1.01 | 50.9 | 0.422 |  |
| *Tachycineta leucorrhoa* | 1 | 0.54 | 52.2 | 0.102 |  |
| *Zonotrichia capensis* | 0.943 | 0.68 | 53.6 | 0.091 | . |
| ***Coragyps atratus*** | 0.429 | 0.88 | 54.9 | 0.882 |  |
| *Forpus xanthopterygius* | 1 | 0.3 | 56.1 | 0.519 |  |
| *Ortalis canicollis* | 0.543 | 0.71 | 57.3 | 0.88 |  |
| *Amazonetta brasiliensis* | 0.8 | 0.52 | 58.5 | 0.449 |  |
| *Cyanocorax chrysops* | 0.257 | 0.91 | 59.7 | 0.936 |  |
| *Xolmis irupero* | 1.014 | 0.64 | 60.8 | 0.461 |  |
| *Thraupis sayaca* | 0.729 | 0.38 | 61.8 | 0.571 |  |
| *Molothrus rufoaxillaris* | 0.386 | 0.62 | 62.8 | 0.027 | \* |
| *Paroaria capitata* | 0.686 | 0.31 | 63.7 | 0.129 |  |
| *Agelaioides badius* | 0.657 | 0.27 | 64.6 | 0.429 |  |
| *Zenaida auriculata* | 0.414 | 0.57 | 65.5 | 0.965 |  |
| *Coryphistera alaudina* | 0.4 | 0.4 | 66.4 | 0.457 |  |
| *Campylorhynchus turdinus* | 0.343 | 0.5 | 67.2 | 0.681 |  |
| *Ammodramus humeralis* | 0.429 | 0.56 | 68.1 | 0.853 |  |
| *Caracara plancus* | 0.4 | 0.39 | 68.9 | 0.236 |  |
| *Polioptila dumicola* | 0.543 | 0.29 | 69.6 | 0.36 |  |
| Contribution of oligarch species |  |  | 43.1 |  |  |
| Contribution of species showing significant differences |  |  | 16.8 |  |  |
| Contribution of oligarch species showing significant differences |  |  | 9.9 |  |  |
|  |  |  |  |  |  |
| **Groups Riparian Forests vs Grasslands** | |  |  |  |  |
| Species | Group  Rip. Forests Aver.Abund | Group  Grasslands Aver.Abund | Contrib (Cumulative %) | P-value |  |
| ***Vanellus chilensis*** | 1.7326 | 4.35 | 5.2 | 0.073 | . |
| ***Myiopsitta monachus*** | 2.6279 | 2.85 | 10.1 | 0.989 |  |
| ***Guira guira*** | 1.186 | 2.183 | 13.4 | 0.002 | \*\* |
| ***Progne tapera*** | 2.0698 | 1.217 | 16.5 | 0.91 |  |
| ***Furnarius rufus*** | 1.407 | 1.6 | 19.0 | 0.029 | \* |
| ***Phacellodomus ruber*** | 1.1628 | 1.483 | 21.3 | 0.334 |  |
| ***Patagioenas picazuro*** | 1.3023 | 0.933 | 23.3 | 0.949 |  |
| ***Coragyps atratus*** | 1.0465 | 0.85 | 25.4 | 0.131 |  |
| ***Aramides ypecaha*** | 1.1395 | 1.267 | 27.4 | 0.037 | \* |
| ***Saltator coerulescens*** | 1.3256 | 0.65 | 29.3 | 0.126 |  |
| ***Paroaria coronata*** | 1.1628 | 0.983 | 31.2 | 0.948 |  |
| ***Columbina picui*** | 0.8256 | 1.133 | 33.1 | 0.49 |  |
| *Cyanocorax chrysops* | 1.5349 | 0 | 34.8 | 0.157 |  |
| *Ortalis canicollis* | 0.7791 | 0.85 | 36.6 | 0.165 |  |
| ***Sicalis flaveola*** | 1.0349 | 0.7 | 38.2 | 0.641 |  |
| *Zenaida auriculata* | 0.6977 | 0.633 | 39.7 | 0.059 | . |
| ***Tyrannus melancholicus*** | 0.686 | 0.733 | 41.0 | 0.909 |  |
| *Forpus xanthopterygius* | 0.7209 | 0.5 | 42.3 | 0.38 |  |
| ***Molothrus bonariensis*** | 0.0349 | 1.3 | 43.6 | 0.841 |  |
| *Colaptes campestris* | 0.5116 | 0.717 | 44.9 | 0.032 | \* |
| *Mycteria americana* | 0.0698 | 0.917 | 46.1 | 0.01 | \*\* |
| *Ammodramus humerali* | 0.3837 | 0.733 | 47.3 | 0.1 | . |
| ***Pitangus sulphuratus*** | 0.5814 | 0.683 | 48.5 | 0.886 |  |
| *Phimosus infuscatus* | 0.3256 | 0.8 | 49.6 | 0.449 |  |
| *Campylorhynchus turdinus* | 0.2326 | 0.6 | 50.7 | 0.274 |  |
| *Embernagra platensis* | 0.2907 | 0.7 | 51.7 | 0.007 | \*\* |
| *Pseudoleistes guirahuro* | 0 | 0.8 | 52.8 | 0.136 |  |
| *Thraupis sayaca* | 0.6512 | 0.383 | 53.8 | 0.414 |  |
| *Machetornis rixosa* | 0.2442 | 0.683 | 54.8 | 0.648 |  |
| *Amazonetta brasiliensis* | 0.6744 | 0.317 | 55.8 | 0.553 |  |
| *Bubulcus ibis* | 0 | 1.25 | 56.9 | 0.001 | \*\*\* |
| *Xolmis irupero* | 0.593 | 0.467 | 57.9 | 0.758 |  |
| *Cyclarhis gujanensis* | 0.7442 | 0.033 | 58.8 | 0.024 | \* |
| *Progne chalybea* | 0 | 0.733 | 59.7 | 0.052 | . |
| *Schoeniophylax phryganophilus* | 0.3837 | 0.533 | 60.7 | 0.949 |  |
| *Tyrannus savana* | 0 | 0.683 | 61.6 | 0.001 | \*\*\* |
| *Taraba major* | 0.5233 | 0.3 | 62.5 | 0.008 | \*\* |
| *Euphonia chlorotica* | 0.5349 | 0.2 | 63.3 | 0.101 |  |
| *Syrigma sibilatrix* | 0.3837 | 0.433 | 64.2 | 0.117 |  |
| *Agelaioides badius* | 0.4651 | 0.333 | 65.0 | 0.449 |  |
| *Aratinga nenday* | 0.3721 | 0.3 | 65.9 | 0.4 |  |
| *Rupornis magnirostris* | 0.5116 | 0.217 | 66.7 | 0.01 | \*\* |
| *Crotophaga major* | 0.6279 | 0 | 67.4 | 0.129 |  |
| *Rostrhamus sociabilis* | 0.0233 | 0.533 | 68.2 | 0.001 | \*\*\* |
| *Myiarchus tyrannulus* | 0.4651 | 0.233 | 68.9 | 0.014 | \* |
| *Microspingus melanoleucus* | 0.4884 | 0.133 | 69.6 | 0.217 |  |
| Contribution of oligarch species |  |  | 38.5 |  |  |
| Contribution of species showing significant differences |  |  | 26.2 |  |  |
| Contribution of oligarch species showing significant differences |  |  | 13.0 |  |  |
|  |  |  |  |  |  |
| **Groups Riparian Forests vs Savannas** | |  |  |  |  |
| Species | Group  Rip. Forests Aver.Abund | Group  Savannas Aver.Abund | Contrib (Cumulative %) | P-value |  |
| ***Myiopsitta monachus*** | 2.6279 | 5.24 | 6.7 | 0.403 |  |
| ***Vanellus chilensis*** | 1.7326 | 2.86 | 10.4 | 0.986 |  |
| ***Progne tapera*** | 2.0698 | 1.48 | 13.7 | 0.941 |  |
| ***Patagioenas picazuro*** | 1.3023 | 2.13 | 16.5 | 0.157 |  |
| ***Paroaria coronata*** | 1.1628 | 1.72 | 19.0 | 0.308 |  |
| *Cyanocorax chrysops* | 1.5349 | 0.91 | 21.3 | 0.001 | \*\*\* |
| ***Furnarius rufus*** | 1.407 | 1.42 | 23.4 | 0.82 |  |
| ***Saltator coerulescens*** | 1.3256 | 1 | 25.4 | 0.014 | \* |
| ***Phacellodomus ruber*** | 1.1628 | 1.44 | 27.5 | 0.808 |  |
| ***Guira guira*** | 1.186 | 0.95 | 29.5 | 0.911 |  |
| ***Columbina picui*** | 0.8256 | 1.3 | 31.4 | 0.433 |  |
| ***Coragyps atratus*** | 1.0465 | 0.88 | 33.4 | 0.17 |  |
| *Chauna torquata* | 0.2326 | 1.67 | 35.2 | 0.128 |  |
| ***Sicalis flaveola*** | 1.0349 | 1.13 | 36.9 | 0.357 |  |
| ***Aramides ypecaha*** | 1.1395 | 0.93 | 38.6 | 0.735 |  |
| *Ortalis canicollis* | 0.7791 | 0.71 | 40.1 | 0.396 |  |
| *Schoeniophylax phryganophilus* | 0.3837 | 0.95 | 41.6 | 0.271 |  |
| *Agelasticus cyanopus* | 0.0698 | 1.33 | 43.0 | 0.127 |  |
| ***Pitangus sulphuratus*** | 0.5814 | 1.01 | 44.3 | 0.227 |  |
| ***Tyrannus melancholicus*** | 0.686 | 0.8 | 45.7 | 0.954 |  |
| *Zenaida auriculata* | 0.6977 | 0.57 | 47.0 | 0.214 |  |
| *Zonotrichia capensis* | 0.4186 | 0.68 | 48.1 | 0.38 |  |
| *Amazonetta brasiliensis* | 0.6744 | 0.52 | 49.2 | 0.533 |  |
| *Forpus xanthopterygius* | 0.7209 | 0.3 | 50.3 | 0.681 |  |
| *Xolmis irupero* | 0.593 | 0.64 | 51.3 | 0.631 |  |
| ***Molothrus bonariensis*** | 0.0349 | 0.99 | 52.4 | 0.98 |  |
| *Thraupis sayaca* | 0.6512 | 0.38 | 53.4 | 0.448 |  |
| *Cyclarhis gujanensis* | 0.7442 | 0.28 | 54.4 | 0.001 | \*\*\* |
| *Ammodramus humeralis* | 0.3837 | 0.56 | 55.4 | 0.487 |  |
| *Coryphistera alaudina* | 0.3372 | 0.4 | 56.4 | 0.246 |  |
| *Thectocercus acuticaudatus* | 0.3953 | 0.48 | 57.3 | 0.026 | \* |
| *Crotophaga ani* | 0.3721 | 0.43 | 58.2 | 0.676 |  |
| *Crotophaga major* | 0.6279 | 0.16 | 59.1 | 0.005 | \*\* |
| *Microspingus melanoleucus* | 0.4884 | 0.31 | 60.0 | 0.013 | \* |
| *Campylorhynchus turdinus* | 0.2326 | 0.5 | 60.8 | 0.613 |  |
| *Aratinga nenday* | 0.3721 | 0.52 | 61.7 | 0.343 |  |
| *Euphonia chlorotica* | 0.5349 | 0.28 | 62.5 | 0.22 |  |
| *Cacicus chrysopterus* | 0.5465 | 0.12 | 63.3 | 0.001 | \*\*\* |
| *Agelaioides badius* | 0.4651 | 0.27 | 64.1 | 0.643 |  |
| *Syrigma sibilatrix* | 0.3837 | 0.41 | 64.9 | 0.27 |  |
| *Turdus rufiventris* | 0.4767 | 0.27 | 65.7 | 0.001 | \*\*\* |
| *Taraba major* | 0.5233 | 0.18 | 66.4 | 0.051 | . |
| *Tachycineta leucorrhoa* | 0.1744 | 0.54 | 67.2 | 0.807 |  |
| *Ardea alba* | 0.2558 | 0.48 | 68.0 | 0.051 | . |
| *Rupornis magnirostris* | 0.5116 | 0.11 | 68.7 | 0.031 | \* |
| *Myiarchus tyrannulus* | 0.4651 | 0.24 | 69.4 | 0.005 | \*\* |
| Contribution of oligarch species |  |  | 38.3 |  |  |
| Contribution of species showing significant differences |  |  | 11.0 |  |  |
| Contribution of oligarch species showing significant differences |  |  | 4.9 |  |  |
|  |  |  |  |  |  |
| **Groups Grasslands vs Savannas** | |  |  |  |  |
| Species | Group  Grasslands Aver.Abund | Group  Savannas Aver.Abund | Contrib (Cumulative %) | P-value |  |
| ***Myiopsitta monachus*** | 2.85 | 5.24 | 6.7 | 0.422 |  |
| ***Vanellus chilensis*** | 4.35 | 2.86 | 12.0 | 0.06 | . |
| ***Guira guira*** | 2.183 | 0.95 | 15.0 | 0.042 | \* |
| ***Patagioenas picazuro*** | 0.933 | 2.13 | 17.6 | 0.409 |  |
| ***Progne tapera*** | 1.217 | 1.48 | 20.1 | 0.994 |  |
| ***Furnarius rufus*** | 1.6 | 1.42 | 22.4 | 0.33 |  |
| ***Phacellodomus ruber*** | 1.483 | 1.44 | 24.7 | 0.372 |  |
| ***Paroaria coronata*** | 0.983 | 1.72 | 26.9 | 0.703 |  |
| ***Molothrus bonariensis*** | 1.3 | 0.99 | 28.9 | 0.414 |  |
| ***Columbina picui*** | 1.133 | 1.3 | 30.8 | 0.502 |  |
| *Chauna torquata* | 0.383 | 1.67 | 32.6 | 0.176 |  |
| ***Coragyps atratus*** | 0.85 | 0.88 | 34.4 | 0.311 |  |
| ***Aramides ypecaha*** | 1.267 | 0.93 | 36.2 | 0.412 |  |
| *Ortalis canicollis* | 0.85 | 0.71 | 37.7 | 0.419 |  |
| ***Sicalis flaveola*** | 0.7 | 1.13 | 39.2 | 0.848 |  |
| ***Saltator coerulescens*** | 0.65 | 1 | 40.8 | 0.781 |  |
| *Schoeniophylax phryganophilus* | 0.533 | 0.95 | 42.2 | 0.256 |  |
| ***Pitangus sulphuratus*** | 0.683 | 1.01 | 43.6 | 0.159 |  |
| ***Tyrannus melancholicus*** | 0.733 | 0.8 | 45.0 | 0.909 |  |
| *Agelasticus cyanopus* | 0.05 | 1.33 | 46.3 | 0.201 |  |
| *Pseudoleistes guirahuro* | 0.8 | 0.3 | 47.5 | 0.05 | \* |
| *Zenaida auriculata* | 0.633 | 0.57 | 48.8 | 0.364 |  |
| *Mycteria americana* | 0.917 | 0.16 | 50.0 | 0.014 | \* |
| *Campylorhynchus turdinus* | 0.6 | 0.5 | 51.2 | 0.13 |  |
| *Ammodramus humeralis* | 0.733 | 0.56 | 52.3 | 0.164 |  |
| *Embernagra platensis* | 0.7 | 0.47 | 53.4 | 0.008 | \*\* |
| *Machetornis rixosa* | 0.683 | 0.43 | 54.5 | 0.624 |  |
| *Cyanocorax chrysops* | 0 | 0.91 | 55.5 | 0.968 |  |
| *Tachycineta leucorrhoa* | 0.433 | 0.54 | 56.5 | 0.493 |  |
| *Xolmis irupero* | 0.467 | 0.64 | 57.5 | 0.86 |  |
| *Bubulcus ibis* | 1.25 | 0 | 58.5 | 0.029 | \* |
| *Zonotrichia capensis* | 0.25 | 0.68 | 59.4 | 0.722 |  |
| *Progne chalybea* | 0.733 | 0.09 | 60.4 | 0.057 | . |
| *Phimosus infuscatus* | 0.8 | 0.15 | 61.3 | 0.592 |  |
| *Dendrocygna viduata* | 0.6 | 0.4 | 62.2 | 0.174 |  |
| *Colaptes campestris* | 0.717 | 0.15 | 63.1 | 0.417 |  |
| *Tyrannus savana* | 0.683 | 0.12 | 64.1 | 0.002 | \*\* |
| *Syrigma sibilatrix* | 0.433 | 0.41 | 64.9 | 0.167 |  |
| *Aratinga nenday* | 0.3 | 0.52 | 65.8 | 0.395 |  |
| *Forpus xanthopterygius* | 0.5 | 0.3 | 66.6 | 0.811 |  |
| *Amazonetta brasiliensis* | 0.317 | 0.52 | 67.4 | 0.868 |  |
| *Thraupis sayaca* | 0.383 | 0.38 | 68.1 | 0.93 |  |
| *Caracara plancusa* | 0.25 | 0.39 | 68.9 | 0.249 |  |
| *Rostrhamus sociabilis* | 0.533 | 0.16 | 69.7 | 0.001 | \*\*\* |
| Contribution of oligarch species |  |  | 40.3 |  |  |
| Contribution of species showing significant differences |  |  | 14.6 |  |  |
| Contribution of oligarch species showing significant differences |  |  | 8.3 |  |  |
|  |  |  |  |  |  |