

SUPPLEMENTARY MATERIAL

Classification criteria for flight mode (extended)

Each species was classified by its flight capacity using modified criteria from Viscor and Fuster (1987) and Videler (2005). The classification was carried out by two of the authors, which were not involved in the posterior analysis of the data. All species were initially classified with a primary flight mode based on the information from the Handbook of the Birds of the World (del Hoyo et al. 1992-2013).

No Flight (NF) was unequivocally assigned to the three species of Ratites (Ostrich, Emu and Greater Rhea), the Takahe and the Giant Coot. Short Flight (SF) was assigned to tinamous (Tinamidae) and all species in the Galliformes (28 species in the families Cracidae, Numididae, Odontophoridae and Phasianidae) with the exception of the Common Quail *Coturnix coturnix* that can fly long distances and were therefore classified as Flapping Flight (FF). Following Videler (2005), we restricted the Hovering Flight (HF) mode to hummingbirds (Trochilidae), which are true hovers that can fly in one position, changing sideways or backwards without wind. We excluded species that sometimes hover such as terns, kites, kingfishers, kestrels and others that use the “wind hovering” strategy (Videler, 2005; Videler et al., 1983). Given that sunbirds (Nectariniidae) hover only occasionally, they were classified as FF. Several species exhibit intermittent flight (bounding, gliding or soaring within the flapping flight) causing Viscor and Fuster (1987) to include the category Undulating Flight (Viscor and Fuster, 1987). We, however, believe that most birds use one or more kinds of pauses during flight so a large majority of birds would fall into this category. For this reason, we did not include this category as our focus was the importance of metabolic processes for flight. We restricted gliding and soaring

(GS) to those species that engage in gliding and soaring for long periods of time (not intermittently). The categorization as soaring birds in some cases was consistent for entire families such as: albatrosses (Diomedidae), frigatebirds (Fregatidae), New World vultures (Cathartidae) and ospreys (Pandionidae). In other cases, certain species use flapping flight combined with soaring and/or gliding. Depending on whether they travel long distances by gliding or soaring, we listed the following families as GS: fulmars, shearwaters, and petrels (Procellariidae), gannets (Sulidae) and storks (Ciconiidae). For other families, the use of soaring varies greatly and is more frequently used by large species. Accipitridae was particularly difficult to classify, because the use of flapping and soaring occurs in all species but in different proportions. Viscor and Fuster (1987) proposed to classify all Accipitridae except *Accipiter* as soaring (Viscor and Fuster, 1987). We did not use this criteria and classified the larger species, specifically Old World vultures, eagles, buzzards, and some hawks as GS but not kites and goshawks (genera *Accipiter*, *Chondrohierax*, *Leptodon* and *Terathopius*) which were classified as FF. In the case of the Falconidae, we only assigned GS to caracaras because they use this flight when foraging (genera *Caracara*, *Phalcoboenus* and *Milvago*). All the other bird species were classified with flapping flight (FF), including penguins (Spheniscidae), because they “fly” in the water.

References

- del Hoyo, J., Elliott, A., Sargatal, J., Christie, D. A., & de Juana, E. (1992-2013). Handbook of the Birds of the World . Volumes 1-16. Lynx Edicions, Barcelona.
- Videler, J. J. 2005. Avian Flight. Oxford.
- Videler, J. J., D. Weihs, and S. Daan. 1983. Intermitent gliding in the hunting flight of the kestrel, *Falco tinnunculus* L. . Journal of Experimental Biology 102:1-12.

Viscor, G., and J. F. Fuster. 1987. Relationships between morphological parameters in birds with different flying habits. *Comparative Biochemical Physiology* 87A:231-249.

Supplementary Table 1.

Complete list of species including flight mode, body mass (BM) and heart mass (HM) and the respective source of information. Mode of flight abbreviated as follows: no flight (NF), short flight (SF), flapping flight (FF), hovering flight (HF), gliding and soaring (GS).

Table A1. Complete list of species including flight mode, migration class, body mass (BM) and heart mass (HM) and the respective source of information. Mode of flight abbreviated as follows: short flight (SF), flapping flight (FF), hovering flight (HF), gliding and soaring (GS).

| Species | Common Name | Family | Flight | BM (g) | | HM (g) | | Reference |
|-----------------------------------|-----------------------------|--------------|--------|--------|--------|--------|--------|------------|
| | | | | Mean | Median | Mean | Median | |
| <i>Accipiter bicolor</i> | Bicoloured Hawk | Accipitridae | FF | 235 | 235 | 3.01 | 3.01 | (1) |
| <i>Accipiter cooperii</i> | Cooper's Hawk | Accipitridae | FF | 504 | 504 | 4.08 | 4.08 | (1) |
| <i>Accipiter gentilis</i> | Northern Goshawk | Accipitridae | FF | 1131 | 1110 | 9.83 | 9.55 | (2-6) |
| <i>Accipiter nisus</i> | Eurasian Sparrowhawk | Accipitridae | FF | 183 | 189 | 1.7 | 1.6 | (2-7) |
| <i>Accipiter striatus</i> | Sharp-shinned Hawk | Accipitridae | FF | 346 | 346 | 2.47 | 2.47 | (1, 8) |
| <i>Acrocephalus palustris</i> | Marsh Warbler | Sylviidae | FF | 12 | 12 | 0.15 | 0.15 | (6) |
| <i>Acrocephalus schoenobaenus</i> | Sedge Warbler | Sylviidae | FF | 10 | 10 | 0.13 | 0.13 | (2) |
| <i>Acrocephalus scirpaceus</i> | Eurasian Reed-warbler | Sylviidae | FF | 13 | 13 | 0.16 | 0.16 | (2, 6) |
| <i>Actitis hypoleucos</i> | Common Sandpiper | Scolopacidae | FF | 43 | 43 | 0.49 | 0.49 | (7) |
| <i>Actitis macularius</i> | Spotted Sandpiper | Scolopacidae | FF | 37 | 37 | 0.39 | 0.39 | (1) |
| <i>Aegithalos caudatus</i> | Long-tailed Tit | Aegithalidae | FF | 9 | 9 | 0.11 | 0.11 | (2, 6, 9) |
| <i>Aethia cristatella</i> | Crested Auklet | Alcidae | FF | 217 | 217 | 2.3 | 2.3 | (10) |
| <i>Aethia pygmaea</i> | Whiskered Auklet | Alcidae | FF | 99 | 99 | 1.36 | 1.36 | (11) |
| <i>Agamia agami</i> | Agami Heron | Ardeidae | FF | 520 | 520 | 3.61 | 3.61 | (1) |
| <i>Agapornis pullarius</i> | Red-headed Lovebird | Psittacidae | FF | 35 | 35 | 0.29 | 0.29 | (7) |
| <i>Agelaius phoeniceus</i> | Red-winged Blackbird | Icteridae | FF | 46 | 46 | 0.49 | 0.49 | (1) |
| <i>Agelasticus thilius</i> | Yellow-winged Blackbird | Icteridae | FF | 39 | 39 | 0.53 | 0.53 | (12) |
| <i>Agriornis montanus</i> | Black-billed Shrike-tyrant | Tyrannidae | FF | 67 | 67 | 1.25 | 1.25 | (12) |
| <i>Alauda arvensis</i> | Eurasian Skylark | Alaudidae | FF | 32 | 32 | 0.43 | 0.43 | (7) |
| <i>Alca torda</i> | Razorbill | Alcidae | FF | 534 | 534 | 5.63 | 5.63 | (7) |
| <i>Alcedo atthis</i> | Common Kingfisher | Alcedinidae | FF | 39 | 39 | 0.61 | 0.61 | (6, 7) |
| <i>Alectoris graeca</i> | Rock Partridge | Phasianidae | SF | 607 | 607 | 3.21 | 3.21 | (2) |
| <i>Alectoris rufa</i> | Red-legged Partridge | Phasianidae | SF | 490 | 490 | 2.55 | 2.55 | (2) |
| <i>Alisterus scapularis</i> | Australian King-parrot | Psittacidae | FF | 119 | 119 | 1.62 | 1.62 | (13) |
| <i>Alle alle</i> | Little Auk | Alcidae | FF | 115 | 103 | 1.63 | 1.24 | (2, 8, 14) |
| <i>Alopochen aegyptiaca</i> | Egyptian Goose | Anatidae | FF | 1935 | 1935 | 18.51 | 18.51 | (8) |
| <i>Amadina fasciata</i> | Cut-throat | Estrildidae | FF | 19 | 19 | 0.12 | 0.12 | (7) |
| <i>Amandava formosa</i> | Green Avadavat | Estrildidae | FF | 9 | 9 | 0.12 | 0.12 | (7) |
| <i>Amazilia amabilis</i> | Blue-chested Hummingbird | Trochilidae | HF | 4 | 4 | 0.09 | 0.09 | (1) |
| <i>Amazilia edward</i> | Snowy-breasted Hummingbird | Trochilidae | HF | 5 | 5 | 0.11 | 0.11 | (1) |
| <i>Amazilia fimbriata</i> | Glittering-throated Emerald | Trochilidae | HF | 4 | 4 | 0.12 | 0.12 | (15) |

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|-----------------------------------|-----------------------------|--------------|----|------|------|-------|-------|------------------|
| <i>Amazilia leucogaster</i> | Plain-bellied Emerald | Trochilidae | HF | 5 | 5 | 0.12 | 0.12 | (15) |
| <i>Amazilia tzacatl</i> | Rufous-tailed Hummingbird | Trochilidae | HF | 5 | 5 | 0.11 | 0.11 | (1, 8) |
| <i>Amazona amazonica</i> | Orange-winged Amazon | Psittacidae | FF | 299 | 299 | 3.47 | 3.47 | (4) |
| <i>Amazona autumnalis</i> | Red-lored Amazon | Psittacidae | FF | 416 | 416 | 4.28 | 4.28 | (1) |
| <i>Amblycercus holosericeus</i> | Yellow-billed Cacique | Icteridae | FF | 68 | 68 | 0.61 | 0.61 | (1) |
| <i>Anabacerthia striaticollis</i> | Montane Foliage-gleaner | Furnariidae | FF | 22 | 22 | 0.29 | 0.29 | (1) |
| <i>Anairetes nigrocristatus</i> | Maranon Tit-tyrant | Tyrannidae | FF | 9 | 9 | 0.12 | 0.12 | (16) |
| <i>Anairetes reguloides</i> | Pied-crested Tit-tyrant | Tyrannidae | FF | 7 | 7 | 0.1 | 0.1 | (16) |
| <i>Anas acuta</i> | Northern Pintail | Anatidae | FF | 706 | 725 | 7.6 | 7.49 | (1, 7-9) |
| <i>Anas americana</i> | American Wigeon | Anatidae | FF | 545 | 545 | 5.34 | 5.34 | (1) |
| <i>Anas clypeata</i> | Northern Shoveler | Anatidae | FF | 475 | 475 | 5.14 | 5.14 | (7, 17) |
| <i>Anas crecca</i> | Common Teal | Anatidae | FF | 414 | 324 | 4.62 | 3.92 | (6-8, 18, 19) |
| <i>Anas cyanoptera</i> | Cinnamon Teal | Anatidae | FF | 500 | 500 | 6.16 | 6.16 | (12) |
| <i>Anas discors</i> | Blue-winged Teal | Anatidae | FF | 379 | 379 | 3.94 | 3.94 | (1, 17) |
| <i>Anas flavirostris</i> | Yellow-billed Teal | Anatidae | FF | 460 | 460 | 4.85 | 4.85 | (12) |
| <i>Anas georgica</i> | Yellow-billed Pintail | Anatidae | FF | 700 | 700 | 7.9 | 7.9 | (12) |
| <i>Anas penelope</i> | Eurasian Wigeon | Anatidae | FF | 631 | 581 | 6.24 | 5.72 | (4, 7, 19) |
| <i>Anas platyrhynchos</i> | Mallard | Anatidae | FF | 1321 | 1114 | 12.57 | 10.36 | (3, 7, 9, 19-21) |
| <i>Anas puna</i> | Puna Teal | Anatidae | FF | 550 | 550 | 6.35 | 6.35 | (12) |
| <i>Anhinga anhinga</i> | Anhinga | Anhingidae | FF | 1235 | 1235 | 10.99 | 10.99 | (1) |
| <i>Anser albifrons</i> | Greater White-fronted Goose | Anatidae | FF | 2130 | 2200 | 21.64 | 22 | (2, 22) |
| <i>Anser anser</i> | Greylag Goose | Anatidae | FF | 3812 | 3190 | 29.91 | 32.13 | (4, 7, 20, 23) |
| <i>Anser brachyrhynchus</i> | Pink-footed Goose | Anatidae | FF | 2900 | 2900 | 30.16 | 30.16 | (24) |
| <i>Anser fabalis</i> | Bean Goose | Anatidae | FF | 3049 | 3110 | 30.08 | 30.04 | (2, 25) |
| <i>Anser indicus</i> | Bar-headed Goose | Anatidae | FF | 2300 | 2300 | 20.24 | 20.24 | (24) |
| <i>Anthracothorax nigricollis</i> | Black-throated Mango | Trochilidae | HF | 7 | 7 | 0.16 | 0.16 | (1) |
| <i>Anthus cervinus</i> | Red-throated Pipit | Motacillidae | FF | 23 | 23 | 0.33 | 0.33 | (10) |
| <i>Anthus correndera</i> | Correndera Pipit | Motacillidae | FF | 21 | 21 | 0.34 | 0.34 | (12) |
| <i>Anthus lutescens</i> | Yellowish Pipit | Motacillidae | FF | 13 | 13 | 0.2 | 0.2 | (1) |
| <i>Anthus pratensis</i> | Meadow Pipit | Motacillidae | FF | 18 | 18 | 0.18 | 0.18 | (2) |
| <i>Anthus rufulus</i> | Paddyfield Pipit | Motacillidae | FF | 20 | 20 | 0.42 | 0.42 | (26) |
| <i>Anthus spinoletta</i> | Water Pipit | Motacillidae | FF | 22 | 22 | 0.28 | 0.27 | (6, 10) |
| <i>Anthus trivialis</i> | Tree Pipit | Motacillidae | FF | 22 | 22 | 0.26 | 0.26 | (2, 6) |
| <i>Aphelocoma coerulescens</i> | Florida Scrub-jay | Corvidae | FF | 74 | 74 | 0.7 | 0.7 | (1) |
| <i>Apus apus</i> | Common Swift | Apodidae | FF | 41 | 40 | 0.59 | 0.59 | (3, 7, 27, 28) |
| <i>Apus pallidus</i> | Pallid Swift | Apodidae | FF | 36 | 36 | 0.45 | 0.45 | (27) |

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|--------------------------------|-------------------------------|--------------|----|------|------|-------|-------|-----------------|
| <i>Aquila chrysaetos</i> | Golden Eagle | Accipitridae | GS | 3712 | 3712 | 26.86 | 26.86 | (7, 9) |
| <i>Aquila clanga</i> | Greater Spotted Eagle | Accipitridae | GS | 1420 | 1420 | 14.4 | 14.4 | (4) |
| <i>Aquila fasciatus</i> | Bonelli's Eagle | Accipitridae | GS | 662 | 662 | 5.5 | 5.5 | (7) |
| <i>Aquila pomarina</i> | Lesser Spotted Eagle | Accipitridae | GS | 1128 | 1128 | 7.61 | 7.61 | (3) |
| <i>Aquila rapax</i> | Tawny Eagle | Accipitridae | GS | 2404 | 2404 | 15.54 | 15.54 | (8) |
| <i>Aramides cajanea</i> | Grey-necked Wood-rail | Rallidae | FF | 397 | 397 | 2.34 | 2.34 | (1) |
| <i>Aramus guarauna</i> | Limpkin | Aramidae | FF | 946 | 946 | 6.71 | 6.71 | (1) |
| <i>Aratinga auricapillus</i> | Golden-capped Parakeet | Psittacidae | FF | 74 | 74 | 0.59 | 0.59 | (7) |
| <i>Archilochus colubris</i> | Ruby-throated Hummingbird | Trochilidae | HF | 3 | 3 | 0.08 | 0.08 | (1) |
| <i>Ardea cinerea</i> | Grey Heron | Ardeidae | FF | 1512 | 1434 | 14.65 | 15.33 | (3, 4, 6, 7, 9) |
| <i>Ardea herodias</i> | Great Blue Heron | Ardeidae | FF | 2402 | 2402 | 19.93 | 19.93 | (1) |
| <i>Ardea purpurea</i> | Purple Heron | Ardeidae | FF | 878 | 878 | 5.45 | 5.45 | (7) |
| <i>Ardeola ralloides</i> | Squacco Heron | Ardeidae | FF | 181 | 181 | 1.81 | 1.81 | (7, 9) |
| <i>Ardeotis kori</i> | Kori Bustard | Otididae | FF | 7770 | 7770 | 78.63 | 78.63 | (8) |
| <i>Arenaria interpres</i> | Ruddy Turnstone | Scolopacidae | FF | 101 | 101 | 1.69 | 1.69 | (2, 10) |
| <i>Arenaria melanocephala</i> | Black Turnstone | Scolopacidae | FF | 122 | 122 | 2.16 | 2.16 | (10) |
| <i>Arremon brunneinucha</i> | Chestnut-capped Brush-finch | Emberizidae | FF | 40 | 40 | 0.32 | 0.32 | (1) |
| <i>Arremon torquatus</i> | Stripe-headed Brush-finch | Emberizidae | FF | 42 | 42 | 0.35 | 0.35 | (1) |
| <i>Arremonops conirostris</i> | Black-striped Sparrow | Emberizidae | FF | 39 | 39 | 0.33 | 0.33 | (1) |
| <i>Asio flammeus</i> | Short-eared Owl | Strigidae | FF | 315 | 315 | 3.82 | 3.82 | (5, 7) |
| <i>Asio otus</i> | Long-eared Owl | Strigidae | FF | 233 | 250 | 2.28 | 2.47 | (3-5, 7, 9) |
| <i>Asthenes dorbignyi</i> | Creamy-breasted Canastero | Furnariidae | FF | 23 | 23 | 0.33 | 0.33 | (12) |
| <i>Asthenes sclateri</i> | Puno Canastero | Furnariidae | FF | 23 | 23 | 0.3 | 0.3 | (12) |
| <i>Athene cunicularia</i> | Burrowing Owl | Strigidae | FF | 148 | 148 | 1.31 | 1.31 | (1) |
| <i>Athene noctua</i> | Little Owl | Strigidae | FF | 143 | 156 | 1.24 | 1.27 | (4, 6, 7, 9) |
| <i>Atlapetes albinucha</i> | White-naped Brush-finch | Emberizidae | FF | 36 | 36 | 0.32 | 0.32 | (1) |
| <i>Attila spadiceus</i> | Bright-rumped Attila | Tyrannidae | FF | 42 | 42 | 0.59 | 0.59 | (1) |
| <i>Aulacorhynchus prasinus</i> | Emerald Toucanet | Ramphastidae | FF | 154 | 154 | 0.96 | 0.96 | (1) |
| <i>Auriparus flaviceps</i> | Verdin | Remizidae | FF | 7 | 7 | 0.1 | 0.1 | (29) |
| <i>Automolus ochrolaemus</i> | Buff-throated Foliage-gleaner | Furnariidae | FF | 40 | 40 | 0.6 | 0.6 | (1) |
| <i>Aythya affinis</i> | Lesser Scaup | Anatidae | FF | 793 | 735 | 8.55 | 6.81 | (1, 8, 30) |
| <i>Aythya ferina</i> | Common Pochard | Anatinae | FF | 674 | 674 | 7.2 | 7.2 | (4, 7) |
| <i>Aythya fuligula</i> | Tufted Duck | Anatidae | FF | 565 | 501 | 6.4 | 6 | (4, 6, 7) |
| <i>Aythya marila</i> | Greater Scaup | Anatidae | FF | 731 | 731 | 7.68 | 7.68 | (2, 8) |
| <i>Aythya nyroca</i> | Ferruginous Duck | Anatidae | FF | 512 | 512 | 5.68 | 5.68 | (2) |
| <i>Baeolophus bicolor</i> | Tufted Titmouse | Paridae | FF | 21 | 21 | 0.29 | 0.29 | (1) |

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|-----------------------------------|--------------------------|---------------|----|------|------|-------|-------|----------------|
| <i>Balearica pavonina</i> | Black Crowned-crane | Gruidae | FF | 4448 | 4448 | 36.79 | 36.79 | (8) |
| <i>Basileuterus culicivorus</i> | Golden-crowned Warbler | Parulidae | FF | 12 | 12 | 0.16 | 0.16 | (1) |
| <i>Basileuterus melanogenys</i> | Black-cheeked Warbler | Parulidae | FF | 12 | 12 | 0.13 | 0.13 | (1) |
| <i>Bolborhynchus lineola</i> | Barred Parakeet | Psittacidae | FF | 49 | 49 | 0.83 | 0.83 | (1) |
| <i>Bombycilla cedrorum</i> | Cedar Waxwing | Bombycillidae | FF | 33 | 33 | 0.5 | 0.5 | (1) |
| <i>Bombycilla garrulus</i> | Bohemian Waxwing | Bombycillidae | FF | 51 | 54 | 0.82 | 0.8 | (4, 6, 10, 31) |
| <i>Bonasa bonasia</i> | Hazel Grouse | Phasianidae | SF | 360 | 360 | 1.85 | 1.94 | (3, 7, 9) |
| <i>Bonasa umbellus</i> | Ruffed Grouse | Phasianidae | SF | 590 | 590 | 2.5 | 2.54 | (32)67 |
| <i>Botaurus stellaris</i> | Great Bittern | Ardeidae | FF | 794 | 794 | 7.11 | 7.11 | (7, 9) |
| <i>Brachyramphus brevirostris</i> | Kittlitz's Murrelet | Alcidae | FF | 228 | 228 | 3.03 | 3.03 | (10) |
| <i>Branta bernicla</i> | Brent Goose | Anatidae | FF | 1346 | 1346 | 14.36 | 14.36 | (2, 10) |
| <i>Branta canadensis</i> | Canada Goose | Anatidae | FF | 3715 | 3715 | 34.75 | 34.75 | (33)19 |
| <i>Branta leucopsis</i> | Barnacle Goose | Anatidae | FF | 1525 | 1525 | 14.58 | 14.58 | (2, 24) |
| <i>Branta ruficollis</i> | Red-breasted Goose | Anatidae | FF | 1417 | 1417 | 14.25 | 14.25 | (4) |
| <i>Brotogeris jugularis</i> | Orange-chinned Parakeet | Psittacidae | FF | 63 | 63 | 0.83 | 0.83 | (1) |
| <i>Bubo bubo</i> | Eurasian Eagle-owl | Strigidae | FF | 1938 | 1938 | 11.27 | 11.27 | (7, 9) |
| <i>Bubo virginianus</i> | Great Horned Owl | Strigidae | FF | 1177 | 1177 | 8.6 | 8.6 | (8) |
| <i>Bubulcus ibis</i> | Cattle Egret | Ardeidae | FF | 337 | 337 | 2.97 | 2.97 | (1) |
| <i>Bucephala clangula</i> | Common Goldeneye | Anatidae | FF | 622 | 622 | 8.58 | 8.58 | (2) |
| <i>Burhinus oedicnemus</i> | Eurasian Thick-knee | Burhinidae | FF | 522 | 522 | 5.64 | 5.64 | (2) |
| <i>Busarellus nigricollis</i> | Black-collared Hawk | Accipitridae | GS | 840 | 840 | 5.46 | 5.46 | (1) |
| <i>Buteo buteo</i> | Common Buzzard | Accipitridae | GS | 734 | 776 | 5.76 | 5.71 | (3-9, 13) |
| <i>Buteo jamaicensis</i> | Red-tailed Hawk | Accipitridae | GS | 1029 | 1029 | 6.94 | 6.94 | (8) |
| <i>Buteo lagopus</i> | Rough-legged Hawk | Accipitridae | GS | 956 | 956 | 5.42 | 5.42 | (6) |
| <i>Buteo lineatus</i> | Red-shouldered Hawk | Accipitridae | GS | 573 | 573 | 3.15 | 3.15 | (1) |
| <i>Buteo magnirostris</i> | Roadside Hawk | Accipitridae | GS | 206 | 206 | 1.15 | 1.15 | (1) |
| <i>Buteo nitidus</i> | Grey Hawk | Accipitridae | GS | 420 | 420 | 1.68 | 1.68 | (1) |
| <i>Buteo platypterus</i> | Broad-winged Hawk | Accipitridae | GS | 372 | 372 | 2.01 | 2.01 | (1) |
| <i>Buteogallus anthracinus</i> | Common Black-hawk | Accipitridae | GS | 955 | 955 | 5.45 | 5.45 | (1) |
| <i>Buteogallus meridionalis</i> | Savanna Hawk | Accipitridae | GS | 792 | 792 | 5.47 | 5.47 | (1) |
| <i>Buteogallus urubitinga</i> | Great Black-hawk | Accipitridae | GS | 763 | 763 | 3.36 | 3.36 | (1) |
| <i>Butorides virescens</i> | Green Heron | Ardeidae | FF | 191 | 191 | 1.59 | 1.59 | (1) |
| <i>Cacatua galerita</i> | Sulphur-crested Cockatoo | Psittacidae | FF | 881 | 881 | 8.7 | 8.7 | (34) |
| <i>Cacatua roseicapilla</i> | Galah | Psittacidae | FF | 284 | 284 | 3.99 | 3.99 | (7, 34) |
| <i>Cacatua tenuirostris</i> | Long-billed Corella | Psittacidae | FF | 600 | 600 | 8.6 | 8.6 | (34) |
| <i>Cacicus cela</i> | Yellow-rumped Cacique | Icteridae | FF | 92 | 92 | 0.96 | 0.96 | (1) |

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|-----------------------------------|-------------------------------|------------------|----|------|------|-------|------|-------------------|
| <i>Cacicus microrhynchus</i> | Scarlet-rumped Cacique | Icteridae | FF | 59 | 59 | 0.64 | 0.64 | (1) |
| <i>Cairina moschata</i> | Muscovy Duck | Anatidae | FF | 2723 | 2469 | 27.99 | 19.5 | (1, 4) |
| <i>Calcarius lapponicus</i> | Lapland Longspur | Emberizidae | FF | 27 | 27 | 0.42 | 0.42 | (10) |
| <i>Calidris alba</i> | Sanderling | Scolopacidae | FF | 47 | 45 | 0.79 | 0.82 | (1-3) |
| <i>Calidris alpina</i> | Dunlin | Scolopacidae | FF | 48 | 47 | 0.79 | 0.79 | (1-3, 9, 10) |
| <i>Calidris canutus</i> | Red Knot | Scolopacidae | FF | 121 | 119 | 1.87 | 1.73 | (3, 7, 9, 10, 35) |
| <i>Calidris ferruginea</i> | Curlew Sandpiper | Scolopacidae | FF | 49 | 49 | 0.86 | 0.86 | (3) |
| <i>Calidris mauri</i> | Western Sandpiper | Scolopacidae | FF | 25 | 26 | 0.4 | 0.42 | (1, 10) |
| <i>Calidris melanotos</i> | Pectoral Sandpiper | Scolopacidae | FF | 52 | 54 | 0.87 | 0.97 | (1, 10) |
| <i>Calidris minuta</i> | Little Stint | Scolopacidae | FF | 26 | 28 | 0.36 | 0.35 | (3, 7, 9) |
| <i>Calidris pusilla</i> | Semipalmated Sandpiper | Scolopacidae | FF | 23 | 23 | 0.41 | 0.41 | (10) |
| <i>Callipepla californica</i> | California Quail | Odontophoridae | SF | 176 | 176 | 0.79 | 0.79 | (7) |
| <i>Calliphlox bryantae</i> | Magenta-throated Woodstar | Trochilidae | HF | 3 | 3 | 0.11 | 0.11 | (1) |
| <i>Calonectris diomedea</i> | Cory's Shearwater | Procellariidae | GS | 572 | 572 | 4.35 | 4.35 | (2) |
| <i>Calypte anna</i> | Anna's Hummingbird | Trochilidae | HF | 4 | 4 | 0.14 | 0.14 | (36) |
| <i>Campephilus guatemalensis</i> | Pale-billed Woodpecker | Picidae | FF | 242 | 242 | 2.2 | 2.2 | (1) |
| <i>Campephilus melanoleucos</i> | Crimson-crested Woodpecker | Picidae | FF | 227 | 227 | 1.98 | 1.98 | (1) |
| <i>Camptostoma obsoletum</i> | Southern Beardless-tyrannulet | Tyrannidae | FF | 7 | 7 | 0.1 | 0.1 | (1) |
| <i>Campylopterus hemileucurus</i> | Violet Sabrewing | Trochilidae | HF | 11 | 11 | 0.21 | 0.21 | (1) |
| <i>Campylorhamphus pusillus</i> | Brown-billed Scythebill | Dendrocolaptidae | FF | 42 | 42 | 0.37 | 0.37 | (1) |
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | Caprimulgidae | FF | 110 | 110 | 1.05 | 1.05 | (1) |
| <i>Caprimulgus europaeus</i> | Eurasian Nightjar | Caprimulgidae | FF | 62 | 61 | 0.67 | 0.64 | (3, 4, 6, 7) |
| <i>Capsiempis flaveola</i> | Yellow Tyrannulet | Tyrannidae | FF | 8 | 8 | 0.09 | 0.09 | (1) |
| <i>Caracara cheriway</i> | Crested Caracara | Falconidae | GS | 1046 | 1046 | 9.55 | 9.55 | (1, 7) |
| <i>Cardinalis cardinalis</i> | Northern Cardinal | Cardinalidae | FF | 41 | 41 | 0.44 | 0.44 | (1) |
| <i>Carduelis atrata</i> | Black Siskin | Fringillidae | FF | 16 | 16 | 0.28 | 0.28 | (12) |
| <i>Carduelis cannabina</i> | Eurasian Linnet | Fringillidae | FF | 18 | 18 | 0.25 | 0.25 | (6, 7) |
| <i>Carduelis carduelis</i> | European Goldfinch | Fringillidae | FF | 15 | 15 | 0.16 | 0.16 | (6, 7) |
| <i>Carduelis chloris</i> | European Greenfinch | Fringillidae | FF | 19 | 19 | 0.25 | 0.25 | (7) |
| <i>Carduelis citrinella</i> | Alpine Citril Finch | Fringillidae | FF | 12 | 12 | 0.19 | 0.19 | (2) |
| <i>Carduelis flammea</i> | Common Redpoll | Fringillidae | FF | 14 | 14 | 0.21 | 0.21 | (4) |
| <i>Carduelis pinus</i> | Pine Siskin | Fringillidae | FF | 11 | 11 | 0.19 | 0.19 | (36) |
| <i>Carduelis spinus</i> | Eurasian Siskin | Fringillidae | FF | 12 | 12 | 0.18 | 0.18 | (6, 7) |
| <i>Carduelis tristis</i> | American Goldfinch | Fringillidae | FF | 13 | 13 | 0.22 | 0.22 | (1, 36, 37) |
| <i>Carduelis xanthogastra</i> | Yellow-bellied Siskin | Fringillidae | FF | 13 | 13 | 0.21 | 0.21 | (1) |
| <i>Carpodacus cassinii</i> | Cassin's Finch | Fringillidae | FF | 26 | 26 | 0.36 | 0.36 | (36) |

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|------------------------------------|----------------------------------|----------------|----|------|------|------|------|-----------|
| <i>Carpodacus mexicanus</i> | House Finch | Fringillidae | FF | 20 | 20 | 0.27 | 0.27 | (36) |
| <i>Carpodacus purpureus</i> | Purple Finch | Fringillidae | FF | 23 | 23 | 0.32 | 0.32 | (36) |
| <i>Casmerodius albus</i> | Great Egret | Ardeidae | FF | 1030 | 1030 | 8.55 | 9.25 | (1, 7, 8) |
| <i>Cathartes aura</i> | Turkey Vulture | Cathartidae | GS | 1368 | 1368 | 9.62 | 9.62 | (1) |
| <i>Catharus aurantiirostris</i> | Orange-billed Nightingale-thrush | Turdidae | FF | 30 | 30 | 0.25 | 0.25 | (1) |
| <i>Catharus frantzii</i> | Ruddy-capped Nightingale-thrush | Turdidae | FF | 31 | 31 | 0.43 | 0.43 | (1) |
| <i>Catharus guttatus</i> | Hermit Thrush | Turdidae | FF | 26 | 26 | 0.33 | 0.33 | (36) |
| <i>Catharus minimus</i> | Grey-cheeked Thrush | Turdidae | FF | 31 | 31 | 0.35 | 0.35 | (10) |
| <i>Catharus ustulatus</i> | Swainson's Thrush | Turdidae | FF | 29 | 29 | 0.38 | 0.38 | (1, 36) |
| <i>Catoptrophorus semipalmatus</i> | Willet | Scolopacidae | FF | 222 | 222 | 2.44 | 2.44 | (1) |
| <i>Centropus sinensis</i> | Greater Coucal | Cuculidae | FF | 225 | 225 | 1.19 | 1.19 | (26) |
| <i>Cepphus carbo</i> | Spectacled Guillemot | Alcidae | FF | 663 | 663 | 8.28 | 8.28 | (38) |
| <i>Cepphus columba</i> | Pigeon Guillemot | Alcidae | FF | 496 | 496 | 7.15 | 7.15 | (10) |
| <i>Cercomacra nigricans</i> | Jet Antbird | Thamnophilidae | FF | 17 | 17 | 0.14 | 0.14 | (1) |
| <i>Cercomacra tyrannina</i> | Dusky Antbird | Thamnophilidae | FF | 16 | 16 | 0.15 | 0.15 | (1) |
| <i>Cerorhinca monocerata</i> | Rhinoceros Auklet | Alcidae | FF | 575 | 575 | 5.55 | 5.55 | (11) |
| <i>Certhia americana</i> | American Treecreeper | Certhiidae | FF | 8 | 8 | 0.13 | 0.13 | (1) |
| <i>Certhia brachydactyla</i> | Short-toed Treecreeper | Certhiidae | FF | 9 | 9 | 0.09 | 0.09 | (2) |
| <i>Certhia familiaris</i> | Eurasian Treecreeper | Certhiidae | FF | 9 | 9 | 0.11 | 0.11 | (6, 7) |
| <i>Chamaepetes unicolor</i> | Black Guan | Cracidae | SF | 1135 | 1135 | 5.45 | 5.45 | (1) |
| <i>Charadrius dubius</i> | Little Ringed Plover | Charadriidae | FF | 31 | 31 | 0.64 | 0.64 | (3) |
| <i>Charadrius hiaticula</i> | Common Ringed Plover | Charadriidae | FF | 51 | 49 | 0.85 | 0.85 | (2, 3, 9) |
| <i>Charadrius semipalmatus</i> | Semipalmated Plover | Charadriidae | FF | 44 | 44 | 0.7 | 0.7 | (10) |
| <i>Charadrius vociferus</i> | Killdeer | Charadriidae | FF | 83 | 83 | 1.13 | 1.13 | (1) |
| <i>Chiroxiphia lanceolata</i> | Lance-tailed Manakin | Pipridae | FF | 20 | 20 | 0.23 | 0.23 | (1) |
| <i>Chlamydotis undulata</i> | Houbara Bustard | Otididae | FF | 1442 | 1442 | 14 | 14 | (4) |
| <i>Chlidonias hybrida</i> | Whiskered Tern | Laridae | FF | 96 | 96 | 1.1 | 1.1 | (7, 9) |
| <i>Chloroceryle aenea</i> | American Pygmy Kingfisher | Alcedinidae | FF | 15 | 15 | 0.21 | 0.21 | (1) |
| <i>Chloroceryle amazona</i> | Amazon Kingfisher | Alcedinidae | FF | 125 | 125 | 1.32 | 1.32 | (1) |
| <i>Chloroceryle americana</i> | Green Kingfisher | Alcedinidae | FF | 38 | 38 | 0.46 | 0.46 | (1) |
| <i>Chlorophanes spiza</i> | Green Honeycreeper | Thraupidae | FF | 18 | 18 | 0.23 | 0.23 | (1) |
| <i>Chlorophonia callophrys</i> | Golden-browed Chlorophonia | Thraupidae | FF | 26 | 26 | 0.33 | 0.33 | (1) |
| <i>Chloropsis aurifrons</i> | Golden-fronted Leafbird | Chloropseidae | FF | 35 | 35 | 0.44 | 0.44 | (26) |
| <i>Chlorospingus ophthalmicus</i> | Common Bush-tanager | Thraupidae | FF | 20 | 20 | 0.19 | 0.19 | (1) |

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|--------------------------------------|----------------------------|----------------|----|------|------|-------|-------|---------------------|
| <i>Chlorospingus pileatus</i> | Sooty-capped Bush-tanager | Thraupidae | FF | 19 | 19 | 0.2 | 0.2 | (1) |
| <i>Chlorostilbon canivetii</i> | Fork-tailed Emerald | Trochilidae | HF | 3 | 3 | 0.06 | 0.06 | (1) |
| <i>Chondrohierax uncinatus</i> | Hook-billed Kite | Accipitridae | FF | 278 | 278 | 1.56 | 1.56 | (1) |
| <i>Chordeiles acutipennis</i> | Lesser Nighthawk | Caprimulgidae | FF | 53 | 53 | 0.6 | 0.6 | (1) |
| <i>Chordeiles minor</i> | Common Nighthawk | Caprimulgidae | FF | 62 | 62 | 0.74 | 0.74 | (1) |
| <i>Chrysolophus amherstiae</i> | Lady Amherst's Pheasant | Phasianidae | SF | 870 | 870 | 5.8 | 5.8 | (4) |
| <i>Chrysolophus pictus</i> | Golden Pheasant | Phasianidae | SF | 519 | 519 | 3.66 | 3.66 | (4) |
| <i>Ciconia abdimii</i> | Abdim's Stork | Ciconiidae | GS | 950 | 950 | 8.4 | 8.4 | (8) |
| <i>Ciconia ciconia</i> | White Stork | Ciconiidae | GS | 3429 | 3394 | 32.36 | 30.44 | (3, 4, 6-8) |
| <i>Ciconia nigra</i> | Black Stork | Ciconiidae | GS | 2926 | 2926 | 14.66 | 14.66 | (6) |
| <i>Cinclodes atacamensis</i> | White-winged Cinclodes | Furnariidae | FF | 51 | 51 | 0.81 | 0.81 | (12) |
| <i>Cinclodes fuscus</i> | Buff-winged Cinclodes | Furnariidae | FF | 29 | 29 | 0.45 | 0.45 | (12) |
| <i>Cinclus cinclus</i> | White-throated Dipper | Cinclidae | FF | 62 | 62 | 0.79 | 0.79 | (6) |
| <i>Circaetus gallicus</i> | Short-toed Snake-eagle | Accipitridae | GS | 1655 | 1655 | 13.41 | 13.41 | (2) |
| <i>Circus aeruginosus</i> | Western Marsh-harrier | Accipitridae | GS | 691 | 691 | 4.58 | 4.58 | (2, 3) |
| <i>Circus cyaneus</i> | Northern Harrier | Accipitridae | GS | 401 | 401 | 2.88 | 2.88 | (2) |
| <i>Circus macrourus</i> | Pallid Harrier | Accipitridae | GS | 325 | 325 | 2.6 | 2.6 | (7) |
| <i>Circus melanoleucos</i> | Pied Harrier | Accipitridae | GS | 210 | 210 | 1.6 | 1.6 | (4) |
| <i>Circus pygargus</i> | Montagu's Harrier | Accipitridae | GS | 276 | 276 | 2.35 | 2.35 | (2, 3) |
| <i>Clangula hyemalis</i> | Long-tailed Duck | Anatidae | FF | 798 | 798 | 8.7 | 8.7 | (39) |
| <i>Claravis mondetoura</i> | Maroon-chested Ground-dove | Columbidae | FF | 83 | 83 | 0.86 | 0.86 | (1) |
| <i>Claravis pretiosa</i> | Blue Ground-dove | Columbidae | FF | 70 | 70 | 0.89 | 0.89 | (1) |
| <i>Knipodectes subbrunneus</i> | Brownish Twistwing | Tyrannidae | FF | 22 | 22 | 0.16 | 0.16 | (1) |
| <i>Coccothraustes coccothraustes</i> | Hawfinch | Fringillidae | FF | 49 | 49 | 0.61 | 0.57 | (3, 6, 7, 9) |
| <i>Coccyua minuta</i> | Little Cuckoo | Cuculidae | FF | 37 | 37 | 0.25 | 0.25 | (1) |
| <i>Coccyzus americanus</i> | Yellow-billed Cuckoo | Cuculidae | FF | 59 | 59 | 0.68 | 0.68 | (1) |
| <i>Cochlearius cochlearius</i> | Boat-billed Heron | Ardeidae | FF | 561 | 561 | 4.32 | 4.32 | (1) |
| <i>Colaptes auratus</i> | Northern Flicker | Picidae | FF | 121 | 121 | 1.42 | 1.42 | (1) |
| <i>Colaptes rubiginosus</i> | Golden-olive Woodpecker | Picidae | FF | 76 | 76 | 1.01 | 1.01 | (1) |
| <i>Colibri thalassinus</i> | Green Violet-ear | Trochilidae | HF | 5 | 5 | 0.11 | 0.11 | (1) |
| <i>Colinus virginianus</i> | Northern Bobwhite | Odontophoridae | SF | 142 | 142 | 0.61 | 0.61 | (1, 2) |
| <i>Columba livia</i> | Rock Pigeon | Columbidae | FF | 323 | 297 | 4.22 | 4.23 | (1, 4, 6-8, 20, 40) |
| <i>Columba oenas</i> | Stock Dove | Columbidae | FF | 267 | 247 | 3.67 | 3.42 | (2, 3, 19) |
| <i>Columba palumbus</i> | Common Wood-pigeon | Columbidae | FF | 503 | 507 | 5.85 | 5.39 | (2, 3, 19) |
| <i>Columbina minuta</i> | Plain-breasted Ground-dove | Columbidae | FF | 43 | 43 | 0.43 | 0.43 | (1) |
| <i>Columbina passerina</i> | Common Ground-dove | Columbidae | FF | 43 | 43 | 0.48 | 0.48 | (1) |

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|----------------------------------|----------------------------|----------------|----|------|------|-------|-------|--------------|
| <i>Columbina talpacoti</i> | Ruddy Ground-dove | Columbidae | FF | 47 | 47 | 0.45 | 0.45 | (1) |
| <i>Contopus cooperi</i> | Olive-sided Flycatcher | Tyrannidae | FF | 33 | 33 | 0.42 | 0.42 | (1) |
| <i>Contopus lugubris</i> | Dark Pewee | Tyrannidae | FF | 22 | 22 | 0.25 | 0.25 | (1) |
| <i>Contopus sordidulus</i> | Western Wood-pewee | Tyrannidae | FF | 13 | 13 | 0.16 | 0.16 | (1) |
| <i>Contopus virens</i> | Eastern Wood-pewee | Tyrannidae | FF | 14 | 14 | 0.19 | 0.19 | (1) |
| <i>Coracias garrulus</i> | European Roller | Coraciidae | FF | 108 | 108 | 1.5 | 1.5 | (2, 4) |
| <i>Coragyps atratus</i> | Black Vulture | Cathartidae | GS | 1900 | 1927 | 15.74 | 15.34 | (1, 7, 20) |
| <i>Corapipo leucorrhoa</i> | White-bibbed Manakin | Pipridae | FF | 12 | 12 | 0.17 | 0.17 | (1) |
| <i>Corvus brachyrhynchos</i> | American Crow | Corvidae | FF | 398 | 404 | 3.76 | 3.55 | (1, 8, 41) |
| <i>Corvus corax</i> | Common Raven | Corvidae | FF | 1317 | 1317 | 12.39 | 12.39 | (41) |
| <i>Corvus corone</i> | Carrion Crow | Corvidae | FF | 510 | 520 | 5.21 | 5.12 | (3, 7, 9) |
| <i>Corvus frugilegus</i> | Rook | Corvidae | FF | 465 | 462 | 4.7 | 4.64 | (2, 6, 9) |
| <i>Corvus monedula</i> | Eurasian Jackdaw | Corvidae | FF | 251 | 248 | 2.52 | 2.54 | (3, 6, 7, 9) |
| <i>Corvus ossifragus</i> | Fish Crow | Corvidae | FF | 297 | 297 | 2.65 | 2.65 | (41) |
| <i>Cotinga ridgwayi</i> | Turquoise Cotinga | Cotingidae | FF | 56 | 56 | 0.66 | 0.66 | (1) |
| <i>Coturnix coturnix</i> | Common Quail | Phasianidae | FF | 104 | 95 | 0.99 | 0.89 | (1, 7) |
| <i>Cranioleuca erythrops</i> | Red-faced Spinetail | Furnariidae | FF | 17 | 17 | 0.2 | 0.2 | (1) |
| <i>Crex crex</i> | Corncrake | Rallidae | FF | 160 | 157 | 1.48 | 1.42 | (3, 6, 7) |
| <i>Crotophaga ani</i> | Smooth-billed Ani | Cuculidae | FF | 104 | 105 | 0.74 | 0.74 | (1, 42) |
| <i>Crotophaga major</i> | Greater Ani | Cuculidae | FF | 151 | 151 | 1.01 | 1.01 | (1) |
| <i>Crotophaga sulcirostris</i> | Groove-billed Ani | Cuculidae | FF | 70 | 70 | 0.53 | 0.53 | (1) |
| <i>Crypturellus parvirostris</i> | Small-billed Tinamou | Tinamidae | SF | 139 | 139 | 0.59 | 0.59 | own data |
| <i>Crypturellus soui</i> | Little Tinamou | Tinamidae | SF | 233 | 233 | 0.58 | 0.58 | (1) |
| <i>Cuculus canorus</i> | Common Cuckoo | Cuculidae | FF | 107 | 104 | 1.25 | 1.1 | (3, 6, 7) |
| <i>Cyanerpes cyaneus</i> | Red-legged Honeycreeper | Thraupidae | FF | 13 | 13 | 0.18 | 0.18 | (1) |
| <i>Cyanerpes lucidus</i> | Shining Honeycreeper | Thraupidae | FF | 11 | 11 | 0.15 | 0.15 | (1) |
| <i>Cyanocitta cristata</i> | Blue Jay | Corvidae | FF | 83 | 86 | 0.88 | 0.92 | (1, 36) |
| <i>Cyanocompsa cyanoides</i> | Blue-black Grosbeak | Cardinalidae | FF | 33 | 33 | 0.31 | 0.31 | (1) |
| <i>Cyanocorax affinis</i> | Black-chested Jay | Corvidae | FF | 212 | 212 | 1.8 | 1.8 | (1) |
| <i>Cyanocorax yncas</i> | Green Jay | Corvidae | FF | 71 | 71 | 0.6 | 0.6 | (7) |
| <i>Cyanolyca argentigula</i> | Silvery-throated Jay | Corvidae | FF | 200 | 200 | 1.82 | 1.82 | (1) |
| <i>Cyclarhis gujanensis</i> | Rufous-browed Peppershrike | Vireonidae | FF | 31 | 31 | 0.3 | 0.3 | (1) |
| <i>Cygnus atratus</i> | Black Swan | Anatidae | FF | 4480 | 4480 | 43.18 | 43.18 | (4) |
| <i>Cygnus cygnus</i> | Whooper Swan | Anatidae | FF | 7320 | 7320 | 77.38 | 77.38 | (3, 7) |
| <i>Cygnus olor</i> | Mute Swan | Anatidae | FF | 7320 | 7325 | 79.92 | 81.24 | (4, 9) |
| <i>Cymbilaimus lineatus</i> | Fasciated Antshrike | Thamnophilidae | FF | 35 | 35 | 0.19 | 0.19 | (1) |

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|----------------------------------|------------------------------|------------------|----|-------|-------|-------|-------|--------------|
| <i>Cyphorhinus phaeocephalus</i> | Song Wren | Troglodytidae | FF | 27 | 27 | 0.22 | 0.22 | (1) |
| <i>Dacelo novaeguineae</i> | Laughing Kookaburra | Alcedinidae | FF | 287 | 287 | 2.58 | 2.58 | (7) |
| <i>Dacnis venusta</i> | Scarlet-thighed Dacnis | Thraupidae | FF | 16 | 16 | 0.22 | 0.22 | (1) |
| <i>Damophila julie</i> | Violet-bellied Hummingbird | Trochilidae | HF | 3 | 3 | 0.07 | 0.07 | (1) |
| <i>Delichon urbicum</i> | Northern House-martin | Hirundinidae | FF | 15 | 15 | 0.23 | 0.23 | (6, 7) |
| <i>Dendragapus canadensis</i> | Spruce Grouse | Phasianidae | SF | 573 | 586 | 6.53 | 6.74 | (10, 32, 43) |
| <i>Dendragapus obscurus</i> | Dusky Grouse | Phasianidae | SF | 1146 | 1146 | 5.11 | 5.11 | (32) |
| <i>Dendrocincla fuliginosa</i> | Plain-brown Woodcreeper | Dendrocolaptidae | FF | 42 | 42 | 0.46 | 0.46 | (1) |
| <i>Dendrocincla homochroa</i> | Ruddy Woodcreeper | Dendrocolaptidae | FF | 42 | 42 | 0.64 | 0.64 | (1) |
| <i>Dendrocolaptes certhia</i> | Amazonian Barred Woodcreeper | Dendrocolaptidae | FF | 68 | 68 | 0.44 | 0.44 | (1) |
| <i>Dendrocopos major</i> | Great Spotted Woodpecker | Picidae | FF | 72 | 70 | 0.9 | 0.91 | (3, 6, 7, 9) |
| <i>Dendrocopos minor</i> | Lesser Spotted Woodpecker | Picidae | FF | 16 | 16 | 0.21 | 0.21 | (2) |
| <i>Dendroica coronata</i> | Yellow-rumped Warbler | Parulidae | FF | 12 | 12 | 0.17 | 0.17 | (10, 36, 44) |
| <i>Dendroica discolor</i> | Prairie Warbler | Parulidae | FF | 12 | 12 | 0.14 | 0.14 | (1) |
| <i>Dendroica fusca</i> | Blackburnian Warbler | Parulidae | FF | 10 | 10 | 0.11 | 0.11 | (1) |
| <i>Dendroica magnolia</i> | Magnolia Warbler | Parulidae | FF | 8 | 8 | 0.08 | 0.08 | (36) |
| <i>Dendroica pensylvanica</i> | Chestnut-sided Warbler | Parulidae | FF | 9 | 9 | 0.11 | 0.11 | (1) |
| <i>Dendroica petechia</i> | Yellow Warbler | Parulidae | FF | 10 | 10 | 0.13 | 0.13 | (1, 36, 44) |
| <i>Dendroica pinus</i> | Pine Warbler | Parulidae | FF | 12 | 12 | 0.14 | 0.14 | (1) |
| <i>Dendroica townsendi</i> | Townsend's Warbler | Parulidae | FF | 9 | 9 | 0.13 | 0.13 | (36) |
| <i>Dendroica virens</i> | Black-throated Green Warbler | Parulidae | FF | 9 | 9 | 0.11 | 0.11 | (1) |
| <i>Dinopium benghalense</i> | Black-rumped Flameback | Picidae | FF | 113 | 113 | 1.24 | 1.24 | (26) |
| <i>Diomedea exulans</i> | Wandering Albatross | Diomedeidae | GS | 8502 | 8502 | 68.87 | 68.87 | (2) |
| <i>Dromaius novaehollandiae</i> | Emu | Dromaiidae | SF | 32750 | 32750 | 377 | 377 | (4, 45) |
| <i>Dromococcyx phasianellus</i> | Pheasant Cuckoo | Cuculidae | FF | 86 | 86 | 0.8 | 0.8 | (1) |
| <i>Dryocopus lineatus</i> | Lineated Woodpecker | Picidae | FF | 181 | 181 | 1.92 | 1.92 | (1) |
| <i>Dryocopus martius</i> | Black Woodpecker | Picidae | FF | 310 | 310 | 4.21 | 4.21 | (3, 6) |
| <i>Dumetella carolinensis</i> | Grey Catbird | Mimidae | FF | 36 | 36 | 0.37 | 0.37 | (1, 8) |
| <i>Dysithamnus mentalis</i> | Plain Antvireo | Thamnophilidae | FF | 14 | 14 | 0.17 | 0.17 | (1) |
| <i>Egretta caerulea</i> | Little Blue Heron | Ardeidae | FF | 353 | 353 | 2.74 | 2.74 | (1) |
| <i>Egretta thula</i> | Snowy Egret | Ardeidae | FF | 371 | 371 | 2.89 | 2.89 | (1) |
| <i>Egretta tricolor</i> | Tricoloured Heron | Ardeidae | FF | 405 | 405 | 3.48 | 3.48 | (1) |
| <i>Elaenia chiriquensis</i> | Lesser Elaenia | Tyrannidae | FF | 20 | 20 | 0.31 | 0.31 | (1) |
| <i>Elaenia flavogaster</i> | Yellow-bellied Elaenia | Tyrannidae | FF | 23 | 23 | 0.31 | 0.31 | (1) |
| <i>Elaenia frantzii</i> | Mountain Elaenia | Tyrannidae | FF | 20 | 20 | 0.23 | 0.23 | (1) |

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| <i>Elanoides forficatus</i> | American Swallow-tailed Kite | Accipitridae | GS | 475 | 475 | 3.85 | 3.85 | (1) |
| <i>Elvira chionura</i> | White-tailed Emerald | Trochilidae | HF | 3 | 3 | 0.07 | 0.07 | (1) |
| <i>Emberiza cia</i> | Rock Bunting | Emberizidae | FF | 21 | 21 | 0.24 | 0.24 | (2) |
| <i>Emberiza cirlus</i> | Cirl Bunting | Emberizidae | FF | 23 | 23 | 0.32 | 0.32 | (2) |
| <i>Emberiza citrinella</i> | Yellowhammer | Emberizidae | FF | 26 | 25 | 0.32 | 0.35 | (6, 7, 9) |
| <i>Emberiza hortulana</i> | Ortolan Bunting | Emberizidae | FF | 33 | 33 | 0.35 | 0.35 | (2) |
| <i>Emberiza schoeniclus</i> | Reed Bunting | Emberizidae | FF | 20 | 20 | 0.21 | 0.21 | (2) |
| <i>Empidonax flavescens</i> | Yellowish Flycatcher | Tyrannidae | FF | 12 | 12 | 0.12 | 0.12 | (1) |
| <i>Empidonax flaviventris</i> | Yellow-bellied Flycatcher | Tyrannidae | FF | 11 | 11 | 0.11 | 0.11 | (1) |
| <i>Eremophila alpestris</i> | Horned Lark | Alaudidae | FF | 43 | 43 | 0.5 | 0.5 | (10) |
| <i>Erithacus rubecula</i> | European Robin | Muscicapidae | FF | 17 | 17 | 0.19 | 0.19 | (6, 7, 9) |
| <i>Eubucco bourcierii</i> | Red-headed Barbet | Ramphastidae | FF | 34 | 34 | 0.25 | 0.25 | (1) |
| <i>Eucometis penicillata</i> | Grey-headed Tanager | Thraupidae | FF | 31 | 31 | 0.3 | 0.3 | (1) |
| <i>Eudocimus albus</i> | White Ibis | Threskiornithidae | FF | 794 | 794 | 8.1 | 8.1 | (1) |
| <i>Eudromias morinellus</i> | Eurasian Dotterel | Charadriidae | FF | 90 | 90 | 1.59 | 1.59 | (2) |
| <i>Eudyptes moseleyi</i> | Northern Rockhopper Penguin | Spheniscidae | FF | 2340 | 2340 | 24.7 | 24.7 | (46) |
| <i>Eudyptula minor</i> | Little Penguin | Spheniscidae | FF | 1049 | 1097 | 8.95 | 9.43 | (47, 48) |
| <i>Eupherusa eximia</i> | Stripe-tailed Hummingbird | Trochilidae | HF | 4 | 4 | 0.09 | 0.1 | (1, 2) |
| <i>Euphonia elegantissima</i> | Blue-rumped Euphonia | Thraupidae | FF | 15 | 15 | 0.22 | 0.22 | (1) |
| <i>Euphonia fulvicrissa</i> | Fulvous-vented Euphonia | Thraupidae | FF | 17 | 17 | 0.18 | 0.18 | (1) |
| <i>Euphonia hirundinacea</i> | Yellow-throated Euphonia | Thraupidae | FF | 11 | 11 | 0.15 | 0.15 | (1) |
| <i>Euphonia imitans</i> | Spot-crowned Euphonia | Thraupidae | FF | 13 | 13 | 0.17 | 0.17 | (1) |
| <i>Euphonia luteicapilla</i> | Yellow-crowned Euphonia | Thraupidae | FF | 13 | 13 | 0.17 | 0.17 | (1) |
| <i>Euphonia minuta</i> | White-vented Euphonia | Thraupidae | FF | 11 | 11 | 0.15 | 0.15 | (1) |
| <i>Euplectes franciscanus</i> | Orange Bishop | Ploceidae | FF | 15 | 15 | 0.21 | 0.21 | (7) |
| <i>Falco columbarius</i> | Merlin | Falconidae | FF | 145 | 145 | 2.13 | 2.13 | (2) |
| <i>Falco peregrinus</i> | Peregrine Falcon | Falconidae | FF | 789 | 813 | 11.22 | 10.15 | (1-3, 5, 6) |
| <i>Falco ruficularis</i> | Bat Falcon | Falconidae | FF | 150 | 150 | 1.6 | 1.6 | (1) |
| <i>Falco rusticolus</i> | Gyr Falcon | Falconidae | FF | 845 | 845 | 8.05 | 8.05 | (7) |
| <i>Falco sparverius</i> | American Kestrel | Falconidae | FF | 222 | 112 | 2.76 | 1.12 | (1, 8, 12) |
| <i>Falco subbuteo</i> | Eurasian Hobby | Falconidae | FF | 201 | 214 | 2.76 | 3.19 | (3, 7, 9) |
| <i>Falco tinnunculus</i> | Common Kestrel | Falconidae | FF | 199 | 192 | 2.03 | 2.01 | (3-7, 9) |
| <i>Falco vespertinus</i> | Red-footed Falcon | Falconidae | FF | 152 | 152 | 1.92 | 1.92 | (3) |
| <i>Ficedula albicollis</i> | Collared Flycatcher | Muscicapidae | FF | 12 | 12 | 0.15 | 0.15 | (6, 7) |
| <i>Ficedula hypoleuca</i> | European Pied Flycatcher | Muscicapidae | FF | 12 | 12 | 0.17 | 0.18 | (3, 6, 7) |
| <i>Florisuga mellivora</i> | White-necked Jacobin | Trochilidae | HF | 7 | 7 | 0.17 | 0.17 | (1) |

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|---------------------------------|-----------------------------|----------------|----|------|------|-------|-------|---------------------|
| <i>Fluvicola pica</i> | Pied Water-tyrant | Tyrannidae | FF | 12 | 12 | 0.15 | 0.15 | (1) |
| <i>Formicarius analis</i> | Black-faced Antthrush | Formicariidae | FF | 61 | 61 | 0.53 | 0.53 | (1) |
| <i>Foudia madagascariensis</i> | Madagascar Red Fody | Ploceidae | FF | 17 | 17 | 0.25 | 0.25 | (7) |
| <i>Francolinus sephaena</i> | Crested Francolin | Phasianidae | SF | 208 | 208 | 1.46 | 1.46 | (8) |
| <i>Fratercula arctica</i> | Atlantic Puffin | Alcidae | FF | 343 | 343 | 3.83 | 3.83 | (7) |
| <i>Fratercula cirrhata</i> | Tufted Puffin | Alcidae | FF | 766 | 741 | 7.26 | 6.8 | (10, 11) |
| <i>Fratercula corniculata</i> | Horned Puffin | Alcidae | FF | 602 | 602 | 6.1 | 6.1 | (10) |
| <i>Fregata aquila</i> | Ascension Frigatebird | Fregatidae | GS | 1513 | 1513 | 14.45 | 14.45 | (2, 8) |
| <i>Fregata magnificens</i> | Magnificent Frigatebird | Fregatidae | GS | 1359 | 1359 | 12.51 | 12.51 | (1) |
| <i>Fringilla coelebs</i> | Eurasian Chaffinch | Fringillidae | FF | 23 | 24 | 0.3 | 0.3 | (3, 6, 7, 9) |
| <i>Fringilla montifringilla</i> | Brambling | Fringillidae | FF | 24 | 23 | 0.32 | 0.32 | (3, 6, 7, 9) |
| <i>Fulica americana</i> | American Coot | Rallidae | FF | 505 | 505 | 3.28 | 3.28 | (1) |
| <i>Fulica atra</i> | Common Coot | Rallidae | FF | 624 | 518 | 4.04 | 3.62 | (6, 7, 9) |
| <i>Fulica gigantea</i> | Giant Coot | Rallidae | SF | 2425 | 2425 | 14.48 | 14.48 | (12) |
| <i>Fulmarus glacialis</i> | Northern Fulmar | Procellariidae | GS | 605 | 605 | 5.34 | 5.34 | (11) |
| <i>Galerida cristata</i> | Crested Lark | Alaudidae | FF | 32 | 32 | 0.35 | 0.35 | (6, 7) |
| <i>Galerida deva</i> | Tawny Lark | Alaudidae | FF | 30 | 30 | 0.36 | 0.36 | (26) |
| <i>Galerida malabarica</i> | Malabar Lark | Alaudidae | FF | 34 | 34 | 0.39 | 0.39 | (26) |
| <i>Gallinago gallinago</i> | Common Snipe | Scolopacidae | FF | 105 | 105 | 1.24 | 1.18 | (1-3, 6, 10) |
| <i>Gallinago paraguaiae</i> | South American Snipe | Scolopacidae | FF | 79 | 79 | 1.21 | 1.21 | (12) |
| <i>Gallinula chloropus</i> | Common Moorhen | Rallidae | FF | 328 | 282 | 2.79 | 2.4 | (1, 4, 6, 7, 9, 12) |
| <i>Gallus gallus</i> | Red Junglefowl | Phasianidae | SF | 1395 | 1239 | 6.17 | 4.71 | (1) own data |
| <i>Garrulus glandarius</i> | Eurasian Jay | Corvidae | FF | 162 | 167 | 1.6 | 1.52 | (3, 4, 6, 7, 9) |
| <i>Gavia adamsii</i> | Yellow-billed Loon | Gaviidae | FF | 4430 | 4430 | 47 | 47 | (10) |
| <i>Gavia arctica</i> | Arctic Loon | Gaviidae | FF | 2301 | 2314 | 21.08 | 21.04 | (2, 6, 10) |
| <i>Gavia stellata</i> | Red-throated Loon | Gaviidae | FF | 1444 | 1530 | 16.93 | 17.6 | (2, 8, 10) |
| <i>Geopelia striata</i> | Zebra Dove | Columbidae | FF | 52 | 52 | 0.5 | 0.5 | (7) |
| <i>Geositta cunicularia</i> | Common Miner | Furnariidae | FF | 27 | 27 | 0.45 | 0.45 | (12) |
| <i>Geositta tenuirostris</i> | Slender-billed Miner | Furnariidae | FF | 39 | 39 | 0.55 | 0.55 | (12) |
| <i>Geothlypis chiriquensis</i> | Chiriqui Yellowthroat | Parulidae | FF | 14 | 14 | 0.19 | 0.19 | (1) |
| <i>Geotrygon chiriquensis</i> | Rufous-breasted Quail-dove | Columbidae | FF | 308 | 308 | 0.98 | 0.98 | (1) |
| <i>Geotrygon costaricensis</i> | Buff-fronted Quail-dove | Columbidae | FF | 287 | 287 | 0.89 | 0.89 | (1) |
| <i>Geotrygon montana</i> | Ruddy Quail-dove | Columbidae | FF | 135 | 135 | 1.45 | 1.45 | (1) |
| <i>Geranoaetus melanoleucus</i> | Black-chested Buzzard-eagle | Accipitridae | GS | 2125 | 2125 | 15 | 15 | (7) |
| <i>Geranospiza caerulescens</i> | Crane Hawk | Accipitridae | GS | 378 | 378 | 2.45 | 2.45 | (1) |
| <i>Glaucis hirsutus</i> | Rufous-breasted Hermit | Trochilidae | HF | 6 | 6 | 0.15 | 0.15 | (1) |

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|----------------------------------|--------------------------|------------------|----|------|------|-------|-------|----------|
| <i>Glyphorynchus spirurus</i> | Wedge-billed Woodcreeper | Dendrocolaptidae | FF | 13 | 13 | 0.2 | 0.2 | (1) |
| <i>Grus canadensis</i> | Sandhill Crane | Gruidae | FF | 2628 | 2799 | 25.07 | 25.9 | (8, 10) |
| <i>Grus grus</i> | Common Crane | Gruidae | FF | 4175 | 4175 | 38.41 | 38.41 | (2) |
| <i>Grus virgo</i> | Demoiselle Crane | Gruidae | FF | 1105 | 1105 | 12 | 12 | (4) |
| <i>Gymnopithys leucaspis</i> | Bicoloured Antbird | Thamnophilidae | FF | 30 | 30 | 0.3 | 0.3 | (1) |
| <i>Gypaetus barbatus</i> | Lammergeier | Accipitridae | GS | 4960 | 4960 | 35.2 | 35.2 | (2, 4) |
| <i>Gyps africanus</i> | White-backed Vulture | Accipitridae | GS | 5270 | 5270 | 37.85 | 37.85 | (8) |
| <i>Gyps fulvus</i> | Griffon Vulture | Accipitridae | GS | 7486 | 7500 | 57.28 | 57.8 | (3, 7) |
| <i>Habia fuscicauda</i> | Red-throated Ant-tanager | Cardinalidae | FF | 39 | 39 | 0.31 | 0.31 | (1) |
| <i>Habia rubica</i> | Red-crowned Ant-tanager | Cardinalidae | FF | 36 | 36 | 0.45 | 0.45 | (1) |
| <i>Haematopus ostralegus</i> | Eurasian Oystercatcher | Haematopodidae | FF | 524 | 524 | 6.48 | 6.48 | (7) |
| <i>Haliaeetus albicilla</i> | White-tailed Eagle | Accipitridae | GS | 5101 | 5101 | 46.85 | 46.85 | (3) |
| <i>Haliaeetus vocifer</i> | African Fish-eagle | Accipitridae | GS | 3500 | 3500 | 32.23 | 32.23 | (8) |
| <i>Harpactes fasciatus</i> | Malabar Trogon | Trogonidae | FF | 59 | 59 | 0.68 | 0.68 | (26) |
| <i>Harpagus bidentatus</i> | Double-toothed Kite | Accipitridae | FF | 186 | 186 | 0.91 | 0.91 | (1) |
| <i>Heliodoxa jacula</i> | Green-crowned Brilliant | Trochilidae | HF | 9 | 9 | 0.19 | 0.19 | (1) |
| <i>Heliomaster longirostris</i> | Long-billed Starthroat | Trochilidae | HF | 7 | 7 | 0.16 | 0.16 | (1) |
| <i>Heliornis fulica</i> | Sungrebe | Heliornithidae | FF | 136 | 136 | 0.91 | 0.91 | (1) |
| <i>Heliotheryx barroti</i> | Purple-crowned Fairy | Trochilidae | HF | 5 | 5 | 0.12 | 0.12 | (1) |
| <i>Helmitheros vermivorum</i> | Worm-eating Warbler | Parulidae | FF | 13 | 13 | 0.14 | 0.14 | (1) |
| <i>Henicorhina leucophrys</i> | Grey-breasted Wood-wren | Troglodytidae | FF | 18 | 18 | 0.19 | 0.19 | (1) |
| <i>Henicorhina leucosticta</i> | White-breasted Wood-wren | Troglodytidae | FF | 17 | 17 | 0.18 | 0.18 | (1) |
| <i>Herpetotheres cachinnans</i> | Laughing Falcon | Falconidae | FF | 738 | 738 | 4.49 | 4.49 | (1) |
| <i>Heteroscelus incanus</i> | Wandering Tattler | Scolopacidae | FF | 101 | 101 | 1.6 | 1.6 | (10) |
| <i>Himantopus mexicanus</i> | Black-necked Stilt | Recurvirostridae | FF | 163 | 163 | 1.99 | 1.99 | (1) |
| <i>Hippolais icterina</i> | Icterine Warbler | Sylviidae | FF | 12 | 12 | 0.12 | 0.12 | (2, 6) |
| <i>Hirundo rustica</i> | Barn Swallow | Hirundinidae | FF | 19 | 19 | 0.26 | 0.26 | (3, 6-8) |
| <i>Histrionicus histrionicus</i> | Harlequin Duck | Anatidae | FF | 636 | 636 | 7.7 | 7.7 | (10) |
| <i>Hydrobates pelagicus</i> | European Storm-petrel | Hydrobatidae | FF | 17 | 17 | 0.2 | 0.2 | (2) |
| <i>Hylophilus aurantiifrons</i> | Golden-fronted Greenlet | Vireonidae | FF | 9 | 9 | 0.1 | 0.1 | (1) |
| <i>Hylophilus decurtatus</i> | Lesser Greenlet | Vireonidae | FF | 10 | 10 | 0.11 | 0.11 | (1) |
| <i>Hylophilus flavipes</i> | Scrub Greenlet | Vireonidae | FF | 12 | 12 | 0.15 | 0.15 | (1) |
| <i>Hylophilus ochraceiceps</i> | Tawny-crowned Greenlet | Vireonidae | FF | 17 | 17 | 0.22 | 0.22 | (1) |
| <i>Hylophylax naevioides</i> | Spotted Antbird | Thamnophilidae | FF | 17 | 17 | 0.13 | 0.13 | (1) |
| <i>Icteria virens</i> | Yellow-breasted Chat | Parulidae | FF | 26 | 26 | 0.25 | 0.25 | (1) |
| <i>Icterus galbula</i> | Baltimore Oriole | Icteridae | FF | 34 | 34 | 0.43 | 0.43 | (1) |

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|-----------------------------------|-------------------------------|------------------|----|------|------|-------|-------|------------------------------|
| <i>Icterus graduacauda</i> | Audubon's Oriole | Icteridae | FF | 41 | 41 | 0.6 | 0.6 | (7) |
| <i>Icterus mesomelas</i> | Yellow-tailed Oriole | Icteridae | FF | 54 | 54 | 0.49 | 0.49 | (1) |
| <i>Icterus spurius</i> | Orchard Oriole | Icteridae | FF | 25 | 25 | 0.24 | 0.24 | (1) |
| <i>Ixobrychus exilis</i> | Least Bittern | Ardeidae | FF | 86 | 86 | 0.57 | 0.57 | (1) |
| <i>Ixobrychus minutus</i> | Little Bittern | Ardeidae | FF | 85 | 85 | 0.85 | 0.85 | (4) |
| <i>Jacana spinosa</i> | Northern Jacana | Jacanidae | FF | 94 | 94 | 0.72 | 0.72 | (1) |
| <i>Junco hyemalis</i> | Dark-eyed Junco | Emberizidae | FF | 17 | 17 | 0.21 | 0.21 | (36) |
| <i>Jynx torquilla</i> | Eurasian Wryneck | Picidae | FF | 33 | 35 | 0.47 | 0.48 | (2, 3, 6) |
| <i>Klais guimeti</i> | Violet-headed Hummingbird | Trochilidae | HF | 3 | 3 | 0.06 | 0.06 | (1) |
| <i>Lagopus lagopus</i> | Willow Ptarmigan | Phasianidae | SF | 588 | 577 | 7.32 | 7.45 | (4, 7, 8, 10, 19, 32, 49-51) |
| <i>Lagopus leucura</i> | White-tailed Ptarmigan | Phasianidae | SF | 355 | 355 | 3.74 | 3.74 | (32) |
| <i>Lagopus muta</i> | Rock Ptarmigan | Phasianidae | SF | 434 | 420 | 8.05 | 8.24 | (10, 19, 32) |
| <i>Lampornis castaneiventris</i> | White-throated Mountain-gem | Trochilidae | HF | 6 | 6 | 0.12 | 0.12 | (1) |
| <i>Lanius collaris</i> | Common Fiscal | Laniidae | FF | 41 | 41 | 0.44 | 0.44 | (52) |
| <i>Lanius collurio</i> | Red-backed Shrike | Laniidae | FF | 29 | 28 | 0.3 | 0.31 | (2, 3, 6) |
| <i>Lanius excubitor</i> | Great Grey Shrike | Laniidae | FF | 52 | 52 | 0.83 | 0.83 | (3, 7) |
| <i>Lanius ludovicianus</i> | Loggerhead Shrike | Laniidae | FF | 48 | 48 | 0.57 | 0.57 | (1) |
| <i>Lanius senator</i> | Woodchat Shrike | Laniidae | FF | 26 | 26 | 0.28 | 0.28 | (2) |
| <i>Larus argentatus</i> | Herring Gull | Laridae | FF | 773 | 852 | 7.16 | 7.56 | (1, 4, 7, 8, 20) |
| <i>Larus atricilla</i> | Laughing Gull | Laridae | FF | 296 | 296 | 2.51 | 2.51 | (1) |
| <i>Larus canus</i> | Mew Gull | Laridae | FF | 375 | 325 | 3.82 | 3.58 | (3, 7, 9, 18) |
| <i>Larus delawarensis</i> | Ring-billed Gull | Laridae | FF | 611 | 611 | 5.81 | 5.81 | (1, 8) |
| <i>Larus hyperboreus</i> | Glaucous Gull | Laridae | FF | 1407 | 1407 | 12.95 | 12.95 | (10) |
| <i>Larus marinus</i> | Great Black-backed Gull | Laridae | FF | 1045 | 1080 | 11.11 | 10.9 | (7, 9) |
| <i>Larus melanocephalus</i> | Mediterranean Gull | Laridae | FF | 364 | 364 | 3.27 | 3.27 | (7) |
| <i>Larus philadelphia</i> | Bonaparte's Gull | Laridae | FF | 205 | 205 | 3.44 | 3.44 | (8) |
| <i>Larus pipixcan</i> | Franklin's Gull | Laridae | FF | 260 | 260 | 1.76 | 1.76 | (1) |
| <i>Larus ridibundus</i> | Black-headed Gull | Laridae | FF | 249 | 259 | 2.64 | 2.81 | (3, 4, 6, 7) |
| <i>Larus serranus</i> | Andean Gull | Laridae | FF | 460 | 460 | 4.33 | 4.33 | (12) |
| <i>Laterallus albigularis</i> | White-throated Crake | Rallidae | FF | 48 | 48 | 0.29 | 0.29 | (1) |
| <i>Legatus leucophaeus</i> | Piratic Flycatcher | Tyrannidae | FF | 26 | 26 | 0.45 | 0.45 | (1) |
| <i>Leiothrix lutea</i> | Red-billed Leiothrix | Timaliidae | FF | 21 | 21 | 0.27 | 0.27 | (4, 7) |
| <i>Lepidocolaptes affinis</i> | Spot-crowned Woodcreeper | Dendrocolaptidae | FF | 35 | 35 | 0.31 | 0.31 | (1) |
| <i>Lepidopyga coeruleogularis</i> | Sapphire-throated Hummingbird | Trochilidae | HF | 4 | 4 | 0.08 | 0.08 | (1) |

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|-----------------------------------|----------------------------|--------------|----|------|------|-------|-------|------------|
| <i>Leptasthenura andicola</i> | Andean Tit-spinetail | Furnariidae | FF | 14 | 14 | 0.36 | 0.36 | (12) |
| <i>Leptodon cayanensis</i> | Grey-headed Kite | Accipitridae | FF | 473 | 473 | 2.04 | 2.04 | (1) |
| <i>Leptopogon superciliaris</i> | Slaty-capped Flycatcher | Tyrannidae | FF | 12 | 12 | 0.13 | 0.13 | (1) |
| <i>Leptoptilos crumeniferus</i> | Marabou Stork | Ciconiidae | GS | 6625 | 6625 | 47.02 | 47.02 | (7, 8) |
| <i>Leptotila cassini</i> | Grey-chested Dove | Columbidae | FF | 153 | 153 | 0.75 | 0.75 | (1) |
| <i>Leptotila rufaxilla</i> | Grey-fronted Dove | Columbidae | FF | 165 | 165 | 0.94 | 0.94 | (1) |
| <i>Leptotila verreauxi</i> | White-tipped Dove | Columbidae | FF | 153 | 153 | 1.42 | 1.42 | (1) |
| <i>Lessonia rufa</i> | Patagonian Negrito | Tyrannidae | FF | 15 | 15 | 0.35 | 0.35 | (12) |
| <i>Limnodromus griseus</i> | Short-billed Dowitcher | Scolopacidae | FF | 101 | 101 | 1.47 | 1.47 | (1) |
| <i>Limosa lapponica</i> | Bar-tailed Godwit | Scolopacidae | FF | 303 | 320 | 4.17 | 4.24 | (7, 9, 10) |
| <i>Limosa limosa</i> | Black-tailed Godwit | Scolopacidae | FF | 228 | 228 | 3.78 | 3.78 | (2) |
| <i>Lipaugus unirufus</i> | Rufous Piha | Cotingidae | FF | 80 | 80 | 0.85 | 0.85 | (1) |
| <i>Lophotriccus pileatus</i> | Scale-crested Pygmy-tyrant | Tyrannidae | FF | 8 | 8 | 0.08 | 0.08 | (1) |
| <i>Lophura nycthemera</i> | Silver Pheasant | Phasianidae | SF | 664 | 664 | 7.79 | 7.79 | (4) |
| <i>Loxia curvirostra</i> | Red Crossbill | Fringillidae | FF | 44 | 44 | 0.66 | 0.66 | (2, 6) |
| <i>Loxia pytyopsittacus</i> | Parrot Crossbill | Fringillidae | FF | 51 | 51 | 0.97 | 0.97 | (31) |
| <i>Lullula arborea</i> | Wood Lark | Alaudidae | FF | 27 | 27 | 0.37 | 0.37 | (9, 26) |
| <i>Luscinia megarhynchos</i> | Common Nightingale | Muscicapidae | FF | 17 | 17 | 0.22 | 0.22 | (6, 7) |
| <i>Luscinia svecica</i> | Bluethroat | Muscicapidae | FF | 14 | 14 | 0.19 | 0.19 | (2) |
| <i>Lymnocyptes minimus</i> | Jack Snipe | Scolopacidae | FF | 51 | 51 | 0.7 | 0.7 | (7) |
| <i>Malacoptila panamensis</i> | White-whiskered Puffbird | Bucconidae | FF | 44 | 44 | 0.26 | 0.26 | (1) |
| <i>Manacus vitellinus</i> | Golden-collared Manakin | Pipridae | FF | 18 | 18 | 0.2 | 0.2 | (1) |
| <i>Margarornis rubiginosus</i> | Ruddy Treerunner | Furnariidae | FF | 18 | 18 | 0.25 | 0.25 | (1) |
| <i>Megaceryle alcyon</i> | Belted Kingfisher | Alcedinidae | FF | 148 | 148 | 2.04 | 2.04 | (1) |
| <i>Megaceryle torquata</i> | Ringed Kingfisher | Alcedinidae | FF | 327 | 327 | 3.34 | 3.34 | (1) |
| <i>Megadyptes antipodes</i> | Yellow-eyed Penguin | Spheniscidae | FF | 4281 | 4281 | 48.21 | 48.21 | (53) |
| <i>Megarynchus pitangua</i> | Boat-billed Flycatcher | Tyrannidae | FF | 72 | 72 | 0.89 | 0.89 | (1) |
| <i>Megascops choliba</i> | Tropical Screech-owl | Strigidae | FF | 143 | 143 | 0.74 | 0.74 | (1) |
| <i>Melanerpes carolinus</i> | Red-bellied Woodpecker | Picidae | FF | 64 | 64 | 0.76 | 0.76 | (1) |
| <i>Melanerpes chrysauchen</i> | Golden-naped Woodpecker | Picidae | FF | 52 | 52 | 0.65 | 0.65 | (1) |
| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | Picidae | FF | 66 | 66 | 0.77 | 0.77 | (1) |
| <i>Melanerpes formicivorus</i> | Acorn Woodpecker | Picidae | FF | 77 | 77 | 0.87 | 0.87 | (1) |
| <i>Melanerpes pucherani</i> | Black-cheeked Woodpecker | Picidae | FF | 56 | 56 | 0.69 | 0.69 | (1) |
| <i>Melanerpes rubricapillus</i> | Red-crowned Woodpecker | Picidae | FF | 53 | 53 | 0.65 | 0.65 | (1) |
| <i>Melanitta fusca</i> | White-winged Scoter | Anatidae | FF | 1068 | 1068 | 10.23 | 10.23 | (7, 10) |
| <i>Melanitta nigra</i> | Black Scoter | Anatidae | FF | 1036 | 1036 | 9.58 | 9.58 | (2, 54) |

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|----------------------------------|----------------------------|--------------|----|------|------|-------|-------|---------------|
| <i>Melopsittacus undulatus</i> | Budgerigar | Psittacidae | FF | 36 | 34 | 0.51 | 0.46 | (1, 13, 20) |
| <i>Melospiza lincolni</i> | Lincoln's Sparrow | Emberizidae | FF | 16 | 16 | 0.17 | 0.17 | (36) |
| <i>Melospiza melodia</i> | Song Sparrow | Emberizidae | FF | 20 | 20 | 0.21 | 0.22 | (1, 8, 36) |
| <i>Mergellus albellus</i> | Smew | Anatidae | FF | 495 | 495 | 6.68 | 6.68 | (2) |
| <i>Mergus merganser</i> | Common Merganser | Anatidae | FF | 1248 | 1248 | 15.33 | 15.33 | (2, 3) |
| <i>Mergus serrator</i> | Red-breasted Merganser | Anatidae | FF | 770 | 770 | 10.7 | 10.7 | (7, 8) |
| <i>Merops apiaster</i> | European Bee-eater | Meropidae | FF | 62 | 62 | 0.79 | 0.79 | (6, 7) |
| <i>Merops orientalis</i> | Little Green Bee-eater | Meropidae | FF | 17 | 17 | 0.18 | 0.18 | (26) |
| <i>Mesophoyx intermedia</i> | Intermediate Egret | Ardeidae | FF | 525 | 525 | 5 | 5 | (8) |
| <i>Micrastur ruficollis</i> | Barred Forest-falcon | Falconidae | FF | 179 | 179 | 1.07 | 1.07 | (1) |
| <i>Micrastur semitorquatus</i> | Collared Forest-falcon | Falconidae | FF | 900 | 900 | 5.58 | 5.58 | (1) |
| <i>Miliaria calandra</i> | Corn Bunting | Emberizidae | FF | 49 | 49 | 0.71 | 0.71 | (6) |
| <i>Milvago chimachima</i> | Yellow-headed Caracara | Falconidae | GS | 368 | 368 | 2.57 | 2.57 | (1) |
| <i>Milvus milvus</i> | Red Kite | Accipitridae | GS | 905 | 954 | 9.33 | 10.85 | (3, 5, 7) |
| <i>Mimus polyglottos</i> | Northern Mockingbird | Mimidae | FF | 51 | 51 | 0.57 | 0.57 | (1) |
| <i>Mionectes oleagineus</i> | Ochre-bellied Flycatcher | Tyrannidae | FF | 11 | 11 | 0.13 | 0.13 | (1) |
| <i>Mionectes olivaceus</i> | Olive-striped Flycatcher | Tyrannidae | FF | 14 | 14 | 0.19 | 0.19 | (1) |
| <i>Mitrephanes phaeocercus</i> | Tufted Flycatcher | Tyrannidae | FF | 9 | 9 | 0.14 | 0.14 | (1) |
| <i>Mniotilta varia</i> | Black-and-white Warbler | Parulidae | FF | 10 | 10 | 0.12 | 0.12 | (1) |
| <i>Molothrus ater</i> | Brown-headed Cowbird | Icteridae | FF | 66 | 66 | 1.06 | 1.06 | (8) |
| <i>Molothrus bonariensis</i> | Shiny Cowbird | Icteridae | FF | 48 | 48 | 0.6 | 0.6 | (7) |
| <i>Molothrus oryzivorus</i> | Giant Cowbird | Icteridae | FF | 164 | 164 | 1.94 | 1.94 | (1) |
| <i>Momotus momota</i> | Blue-crowned Motmot | Momotidae | FF | 121 | 121 | 0.54 | 0.54 | (1) |
| <i>Monticola saxatilis</i> | Rufous-tailed Rock-thrush | Muscicapidae | FF | 55 | 55 | 0.7 | 0.7 | (2) |
| <i>Morus bassanus</i> | Northern Gannet | Sulidae | GS | 1670 | 1670 | 18.3 | 18.3 | (7) |
| <i>Motacilla alba</i> | White Wagtail | Motacillidae | FF | 21 | 21 | 0.32 | 0.3 | (3, 6, 7, 26) |
| <i>Motacilla cinerea</i> | Grey Wagtail | Motacillidae | FF | 17 | 17 | 0.2 | 0.2 | (2, 6) |
| <i>Motacilla flava</i> | Yellow Wagtail | Motacillidae | FF | 17 | 17 | 0.23 | 0.23 | (2, 6, 10) |
| <i>Motacilla madaraspatensis</i> | White-browed Wagtail | Motacillidae | FF | 28 | 28 | 0.38 | 0.38 | (26) |
| <i>Muscicapa striata</i> | Spotted Flycatcher | Muscicapidae | FF | 15 | 15 | 0.18 | 0.18 | (2, 6) |
| <i>Muscisaxicola rufivertex</i> | Rufous-naped Ground-tyrant | Tyrannidae | FF | 28 | 28 | 0.42 | 0.42 | (12) |
| <i>Myadestes melanops</i> | Black-faced Solitaire | Turdidae | FF | 32 | 32 | 0.33 | 0.33 | (1) |
| <i>Mycteria americana</i> | Wood Stork | Ciconiidae | GS | 2637 | 2637 | 21.62 | 21.62 | (1) |
| <i>Myiarchus crinitus</i> | Great Crested Flycatcher | Tyrannidae | FF | 35 | 35 | 0.38 | 0.38 | (1) |
| <i>Myiarchus ferox</i> | Short-crested Flycatcher | Tyrannidae | FF | 31 | 31 | 0.28 | 0.28 | (1) |
| <i>Myiarchus tuberculifer</i> | Dusky-capped Flycatcher | Tyrannidae | FF | 20 | 20 | 0.17 | 0.17 | (1) |

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|----------------------------------|---------------------------|----------------|----|------|------|------|------|-------------------|
| <i>Myiobius atricaudus</i> | Black-tailed Flycatcher | Tyrannidae | FF | 11 | 11 | 0.13 | 0.13 | (1) |
| <i>Myiobius sulphureipygius</i> | Sulphur-rumped Flycatcher | Tyrannidae | FF | 10 | 10 | 0.11 | 0.11 | (1) |
| <i>Myioborus miniatus</i> | Slate-throated Redstart | Parulidae | FF | 9 | 9 | 0.13 | 0.13 | (1) |
| <i>Myioborus torquatus</i> | Collared Redstart | Parulidae | FF | 10 | 10 | 0.12 | 0.12 | (1) |
| <i>Myiodynastes hemichrysus</i> | Golden-bellied Flycatcher | Tyrannidae | FF | 43 | 43 | 0.4 | 0.4 | (1) |
| <i>Myiodynastes maculatus</i> | Streaked Flycatcher | Tyrannidae | FF | 46 | 46 | 0.47 | 0.47 | (1) |
| <i>Myiopagis viridicata</i> | Greenish Elaenia | Tyrannidae | FF | 14 | 14 | 0.14 | 0.14 | (1) |
| <i>Myiophobus fasciatus</i> | Bran-coloured Flycatcher | Tyrannidae | FF | 10 | 10 | 0.16 | 0.16 | (1) |
| <i>Myiopsitta monachus</i> | Monk Parakeet | Psittacidae | FF | 104 | 104 | 1.08 | 1.08 | (20) |
| <i>Myiozetetes cayanensis</i> | Rusty-margined Flycatcher | Tyrannidae | FF | 27 | 27 | 0.24 | 0.24 | (1) |
| <i>Myiozetetes granadensis</i> | Grey-capped Flycatcher | Tyrannidae | FF | 29 | 29 | 0.29 | 0.29 | (1) |
| <i>Myiozetetes similis</i> | Social Flycatcher | Tyrannidae | FF | 30 | 30 | 0.26 | 0.26 | (1) |
| <i>Myrmeciza exsul</i> | Chestnut-backed Antbird | Thamnophilidae | FF | 29 | 29 | 0.19 | 0.19 | (1) |
| <i>Myrmeciza longipes</i> | White-bellied Antbird | Thamnophilidae | FF | 29 | 29 | 0.19 | 0.19 | (1) |
| <i>Myrmotherula schisticolor</i> | Slaty Antwren | Thamnophilidae | FF | 10 | 10 | 0.12 | 0.12 | (1) |
| <i>Myrmotherula surinamensis</i> | Guianan Streaked Antwren | Thamnophilidae | FF | 10 | 10 | 0.1 | 0.1 | (1) |
| <i>Nectarinia minima</i> | Crimson-backed Sunbird | Nectariniidae | FF | 5 | 5 | 0.11 | 0.11 | (26) |
| <i>Nomonyx dominicus</i> | Masked Duck | Anatidae | FF | 363 | 363 | 4.06 | 4.06 | (1) |
| <i>Nonnula frontalis</i> | Grey-cheeked Nunlet | Bucconidae | FF | 15 | 15 | 0.11 | 0.11 | (1) |
| <i>Notharchus macrorhynchos</i> | Guianan Puffbird | Bucconidae | FF | 96 | 96 | 0.43 | 0.43 | (1) |
| <i>Nothocercus bonapartei</i> | Highland Tinamou | Tinamidae | SF | 885 | 885 | 2.21 | 2.21 | (1) |
| <i>Nothoprocta ornata</i> | Ornate Tinamou | Tinamidae | SF | 505 | 505 | 1.53 | 1.53 | own data |
| <i>Nothoprocta perdicaria</i> | Chilean Tinamou | Tinamidae | SF | 396 | 396 | 1.46 | 1.46 | own data |
| <i>Nothura darwinii</i> | Darwin's Nothura | Tinamidae | SF | 256 | 256 | 0.92 | 0.92 | own data |
| <i>Nothura maculosa</i> | Spotted Nothura | Tinamidae | SF | 275 | 275 | 0.94 | 0.94 | (12) |
| <i>Nucifraga caryocatactes</i> | Spotted Nutcracker | Corvidae | FF | 161 | 161 | 1.74 | 1.74 | (2) |
| <i>Nucifraga columbiana</i> | Clark's Nutcracker | Corvidae | FF | 136 | 136 | 1.84 | 1.84 | (36) |
| <i>Numenius arquata</i> | Eurasian Curlew | Scolopacidae | FF | 551 | 551 | 7.24 | 7.24 | (3, 7) |
| <i>Numenius phaeopus</i> | Whimbrel | Scolopacidae | FF | 233 | 233 | 3.1 | 3.1 | (7) |
| <i>Numida meleagris</i> | Helmeted Guineafowl | Numididae | SF | 1505 | 1500 | 9.35 | 9.23 | (1, 4, 8, 55, 56) |
| <i>Nyctibius griseus</i> | Grey Potoo | Nyctibiidae | FF | 185 | 185 | 1.11 | 1.11 | (1) |
| <i>Nycticorax nycticorax</i> | Black-crowned Night-heron | Ardeidae | FF | 607 | 537 | 5.51 | 5.27 | (1, 3, 7, 12) |
| <i>Nyctidromus albicollis</i> | Common Pauraque | Caprimulgidae | FF | 53 | 53 | 0.41 | 0.41 | (1) |
| <i>Nymphicus hollandicus</i> | Cockatiel | Psittacidae | FF | 72 | 72 | 0.75 | 0.75 | (7) |
| <i>Oceanodroma furcata</i> | Fork-tailed Storm-petrel | Hydrobatidae | FF | 58 | 58 | 0.83 | 0.83 | (11) |
| <i>Oceanodroma leucorhoa</i> | Leach's Storm-petrel | Hydrobatidae | FF | 38 | 38 | 0.57 | 0.57 | (11, 57) |

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|-----------------------------------|----------------------------|----------------|----|------|------|-------|-------|----------------------------|
| <i>Ochthoeca oenanthoides</i> | D'Orbigny's Chat-tyrant | Tyrannidae | FF | 16 | 16 | 0.24 | 0.24 | (12) |
| <i>Odontophorus guttatus</i> | Spotted Wood-quail | Odontophoridae | SF | 310 | 310 | 1.06 | 1.06 | (1) |
| <i>Oenanthe oenanthe</i> | Northern Wheatear | Muscicapidae | FF | 24 | 23 | 0.35 | 0.35 | (3, 6, 10) |
| <i>Oncostoma olivaceum</i> | Southern Bentbill | Tyrannidae | FF | 7 | 7 | 0.07 | 0.07 | (1) |
| <i>Onychorhynchus coronatus</i> | Amazonian Royal Flycatcher | Tyrannidae | FF | 17 | 17 | 0.17 | 0.17 | (1) |
| <i>Oporornis formosus</i> | Kentucky Warbler | Parulidae | FF | 14 | 14 | 0.16 | 0.16 | (1) |
| <i>Oporornis philadelphia</i> | Mourning Warbler | Parulidae | FF | 12 | 12 | 0.11 | 0.11 | (1) |
| <i>Oporornis tolmiei</i> | MacGillivray's Warbler | Parulidae | FF | 10 | 10 | 0.15 | 0.15 | (36) |
| <i>Oreotrochilus estella</i> | Andean Hillstar | Trochilidae | HF | 8 | 8 | 0.2 | 0.2 | (12) |
| <i>Oriolus oriolus</i> | Eurasian Golden Oriole | Oriolidae | FF | 70 | 72 | 1.16 | 1.27 | (2, 3, 6) |
| <i>Ortalis garrula</i> | Chestnut-winged Chachalaca | Cracidae | SF | 527 | 527 | 3.27 | 3.27 | (1) |
| <i>Oryzoborus funereus</i> | Thick-billed Seed-finch | Emberizidae | FF | 12 | 12 | 0.13 | 0.13 | (1) |
| <i>Otis tarda</i> | Great Bustard | Otididae | FF | 7029 | 8207 | 83.52 | 81.94 | (2) own data |
| <i>Otus scops</i> | Common Scops-owl | Strigidae | FF | 50 | 50 | 0.4 | 0.4 | (2) |
| <i>Pachyramphus cinnamomeus</i> | Cinnamon Becard | Cotingidae | FF | 20 | 20 | 0.24 | 0.24 | (1) |
| <i>Pachyramphus polychopterus</i> | White-winged Becard | Cotingidae | FF | 20 | 20 | 0.23 | 0.23 | (1) |
| <i>Pachyramphus versicolor</i> | Barred Becard | Cotingidae | FF | 15 | 15 | 0.25 | 0.25 | (1) |
| <i>Padda oryzivora</i> | Java Sparrow | Estrildidae | FF | 23 | 23 | 0.27 | 0.27 | (7) |
| <i>Pandion haliaetus</i> | Osprey | Accipitridae | GS | 1407 | 1407 | 12.37 | 12.37 | (1, 2) |
| <i>Panurus biarmicus</i> | Bearded Parrotbill | Timaliidae | FF | 14 | 14 | 0.17 | 0.17 | (6) |
| <i>Paroaria coronata</i> | Red-crested Cardinal | Emberizidae | FF | 37 | 37 | 0.3 | 0.3 | (7) |
| <i>Parula gutturalis</i> | Flame-throated Warbler | Parulidae | FF | 10 | 10 | 0.12 | 0.12 | (1) |
| <i>Parula pitaiayumi</i> | Tropical Parula | Parulidae | FF | 7 | 7 | 0.09 | 0.09 | (1) |
| <i>Parus ater</i> | Coal Tit | Paridae | FF | 9 | 9 | 0.12 | 0.12 | (3, 6) |
| <i>Parus atricapillus</i> | Black-capped Chickadee | Paridae | FF | 11 | 11 | 0.15 | 0.16 | (9, 36, 37, 58, 59) |
| <i>Parus caeruleus</i> | Blue Tit | Paridae | FF | 11 | 11 | 0.14 | 0.14 | (6, 7, 9) |
| <i>Parus carolinensis</i> | Carolina Chickadee | Paridae | FF | 10 | 10 | 0.15 | 0.15 | (1) |
| <i>Parus cinctus</i> | Siberian Tit | Paridae | FF | 12 | 12 | 0.19 | 0.19 | (10) |
| <i>Parus cristatus</i> | Crested Tit | Paridae | FF | 10 | 10 | 0.12 | 0.12 | (2) |
| <i>Parus gambeli</i> | Mountain Chickadee | Paridae | FF | 11 | 11 | 0.16 | 0.16 | (36) |
| <i>Parus hudsonicus</i> | Boreal Chickadee | Paridae | FF | 11 | 11 | 0.19 | 0.19 | (10) |
| <i>Parus major</i> | Great Tit | Paridae | FF | 17 | 18 | 0.22 | 0.22 | (2, 4, 6, 9, 26) |
| <i>Parus palustris</i> | Marsh Tit | Paridae | FF | 11 | 11 | 0.15 | 0.15 | (2, 6) |
| <i>Parus xanthogenys</i> | Black-lored Tit | Paridae | FF | 19 | 19 | 0.22 | 0.22 | (26) |
| <i>Passer domesticus</i> | House Sparrow | Passeridae | FF | 27 | 28 | 0.41 | 0.41 | (1-3, 6, 8, 9, 58, 60, 61) |

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|----------------------------------|----------------------------|-------------------|----|------|------|-------|-------|------------------|
| <i>Passer hispaniolensis</i> | Spanish Sparrow | Passeridae | FF | 24 | 24 | 0.31 | 0.31 | (6) |
| <i>Passer luteus</i> | Sudan Golden Sparrow | Passeridae | FF | 11 | 11 | 0.15 | 0.15 | (7) |
| <i>Passer montanus</i> | Eurasian Tree Sparrow | Passeridae | FF | 21 | 21 | 0.31 | 0.31 | (2, 6, 7, 9, 62) |
| <i>Passerculus sandwichensis</i> | Savannah Sparrow | Emberizidae | FF | 19 | 19 | 0.28 | 0.28 | (10) |
| <i>Passerella iliaca</i> | Fox Sparrow | Emberizidae | FF | 41 | 41 | 0.59 | 0.59 | (10) |
| <i>Passerina cyanea</i> | Indigo Bunting | Emberizidae | FF | 15 | 15 | 0.21 | 0.21 | (1) |
| <i>Patagioenas fasciata</i> | Band-tailed Pigeon | Columbidae | FF | 310 | 310 | 3.63 | 3.63 | (1) |
| <i>Patagioenas nigrirostris</i> | Short-billed Pigeon | Columbidae | FF | 144 | 144 | 2.03 | 2.03 | (1) |
| <i>Patagioenas speciosa</i> | Scaled Pigeon | Columbidae | FF | 260 | 260 | 3.25 | 3.25 | (1) |
| <i>Patagioenas subvinacea</i> | Ruddy Pigeon | Columbidae | FF | 170 | 170 | 2.04 | 2.04 | (1) |
| <i>Pavo cristatus</i> | Indian Peafowl | Phasianidae | SF | 2009 | 2009 | 9.92 | 9.92 | (4) |
| <i>Pelecanus occidentalis</i> | Brown Pelican | Pelecanidae | FF | 3389 | 3290 | 25.97 | 22.85 | (1, 8) |
| <i>Pelecanus rufescens</i> | Pink-backed Pelican | Pelecanidae | FF | 3334 | 3334 | 31.55 | 31.55 | (7) |
| <i>Perdix dauurica</i> | Daurian Partridge | Phasianidae | SF | 234 | 234 | 1.83 | 1.83 | (4) |
| <i>Perdix perdix</i> | Grey Partridge | Phasianidae | SF | 279 | 268 | 2.51 | 2.42 | (3, 4, 7) |
| <i>Pericrocotus flammeus</i> | Scarlet Minivet | Campephagidae | FF | 25 | 25 | 0.3 | 0.3 | (26) |
| <i>Perisoreus canadensis</i> | Grey Jay | Corvidae | FF | 76 | 76 | 0.73 | 0.73 | (10) |
| <i>Pernis apivorus</i> | European Honey-buzzard | Accipitridae | GS | 719 | 693 | 5.75 | 5.79 | (2, 3, 63) |
| <i>Petronia petronia</i> | Rock Sparrow | Passeridae | FF | 25 | 25 | 0.34 | 0.34 | (2) |
| <i>Pezopetes capitalis</i> | Large-footed Finch | Emberizidae | FF | 56 | 56 | 0.34 | 0.34 | (1) |
| <i>Phaeochroa cuvierii</i> | Scaly-breasted Hummingbird | Trochilidae | HF | 9 | 9 | 0.16 | 0.16 | (1) |
| <i>Phaeothlypis fulvicauda</i> | Buff-rumped Warbler | Parulidae | FF | 15 | 15 | 0.17 | 0.17 | (1) |
| <i>Phaethornis guy</i> | Green Hermit | Trochilidae | HF | 6 | 6 | 0.14 | 0.14 | (1) |
| <i>Phaethornis longuemareus</i> | Little Hermit | Trochilidae | HF | 3 | 3 | 0.06 | 0.06 | (1) |
| <i>Phalacrocorax auritus</i> | Double-crested Cormorant | Phalacrocoracidae | FF | 1676 | 1676 | 15.25 | 15.25 | (1) |
| <i>Phalacrocorax brasilianus</i> | Neotropic Cormorant | Phalacrocoracidae | FF | 1283 | 1283 | 13.91 | 13.91 | (1, 12) |
| <i>Phalacrocorax carbo</i> | Great Cormorant | Phalacrocoracidae | FF | 2342 | 2115 | 24.15 | 20.94 | (2, 3, 6) |
| <i>Phalacrocorax pelagicus</i> | Pelagic Cormorant | Phalacrocoracidae | FF | 1763 | 1750 | 19.93 | 19.5 | (10, 11) |
| <i>Phalacrocorax urile</i> | Red-faced Cormorant | Phalacrocoracidae | FF | 1620 | 1620 | 14.5 | 14.5 | (11) |
| <i>Phalaropus fulicarius</i> | Red Phalarope | Scolopacidae | FF | 50 | 50 | 0.9 | 0.9 | (10) |
| <i>Phalaropus lobatus</i> | Red-necked Phalarope | Scolopacidae | FF | 43 | 43 | 0.7 | 0.7 | (10) |
| <i>Phalcoboenus albogularis</i> | White-throated Caracara | Falconidae | GS | 800 | 800 | 9.37 | 9.37 | (12) |
| <i>Pharomachrus mocinno</i> | Resplendent Quetzal | Trogonidae | FF | 205 | 205 | 2.65 | 2.65 | (1) |
| <i>Phasianus colchicus</i> | Common Pheasant | Phasianidae | SF | 1090 | 1135 | 5.25 | 5.45 | (6-8, 64, 65) |
| <i>Pheucticus ludovicianus</i> | Rose-breasted Grosbeak | Cardinalidae | FF | 45 | 45 | 0.49 | 0.49 | (1) |
| <i>Pheucticus tibialis</i> | Black-thighed Grosbeak | Cardinalidae | FF | 62 | 62 | 0.64 | 0.64 | (1) |

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|--------------------------------|--------------------------------|------------------|----|------|------|-------|-------|--------------|
| <i>Philomachus pugnax</i> | Ruff | Scolopacidae | FF | 199 | 199 | 2.5 | 2.5 | (7) |
| <i>Phleocryptes melanops</i> | Wren-like Rushbird | Furnariidae | FF | 17 | 17 | 0.26 | 0.26 | (12) |
| <i>Phoeniconaias minor</i> | Lesser Flamingo | Phoenicopteridae | FF | 1541 | 1541 | 14.11 | 14.11 | (8) |
| <i>Phoenicopterus roseus</i> | Greater Flamingo | Phoenicopteridae | FF | 2460 | 2460 | 30.15 | 30.15 | (4) |
| <i>Phoenicurus ochruros</i> | Black Redstart | Muscicapidae | FF | 16 | 16 | 0.19 | 0.2 | (2, 6, 9) |
| <i>Phoenicurus phoenicurus</i> | Common Redstart | Muscicapidae | FF | 14 | 14 | 0.17 | 0.17 | (2, 6) |
| <i>Phrygilus alaudinus</i> | Band-tailed Sierra-finch | Emberizidae | FF | 26 | 26 | 0.33 | 0.33 | (12) |
| <i>Phrygilus fruticeti</i> | Mourning Sierra-finch | Emberizidae | FF | 41 | 41 | 0.47 | 0.47 | (12) |
| <i>Phrygilus gayi</i> | Grey-hooded Sierra-finch | Emberizidae | FF | 34 | 34 | 0.47 | 0.47 | (12) |
| <i>Phrygilus plebejus</i> | Ash-breasted Sierra-finch | Emberizidae | FF | 15 | 15 | 0.27 | 0.27 | (12) |
| <i>Phyllomyias zeledoni</i> | White-fronted Tyrannulet | Tyrannidae | FF | 10 | 10 | 0.14 | 0.14 | (1) |
| <i>Phylloscopus bonelli</i> | Bonelli's Warbler | Sylviidae | FF | 8 | 8 | 0.11 | 0.11 | (2) |
| <i>Phylloscopus borealis</i> | Arctic Warbler | Sylviidae | FF | 10 | 10 | 0.17 | 0.17 | (10) |
| <i>Phylloscopus collybita</i> | Common Chiffchaff | Sylviidae | FF | 7 | 8 | 0.1 | 0.11 | (2, 6, 9) |
| <i>Phylloscopus trochilus</i> | Willow Warbler | Sylviidae | FF | 8 | 8 | 0.12 | 0.12 | (6, 7, 9) |
| <i>Piaya cayana</i> | Squirrel Cuckoo | Cuculidae | FF | 109 | 109 | 0.66 | 0.66 | (1) |
| <i>Pica pica</i> | Black-billed Magpie | Corvidae | FF | 188 | 199 | 1.98 | 1.94 | (3, 6, 7, 9) |
| <i>Picoides borealis</i> | Red-cockaded Woodpecker | Picidae | FF | 44 | 44 | 0.57 | 0.57 | (1) |
| <i>Picoides fumigatus</i> | Smoky-brown Woodpecker | Picidae | FF | 31 | 31 | 0.42 | 0.42 | (1) |
| <i>Picoides pubescens</i> | Downy Woodpecker | Picidae | FF | 27 | 27 | 0.36 | 0.36 | (1) |
| <i>Picoides tridactylus</i> | Eurasian Three-toed Woodpecker | Picidae | FF | 63 | 63 | 0.92 | 0.92 | (3, 10) |
| <i>Picoides villosus</i> | Hairy Woodpecker | Picidae | FF | 43 | 43 | 0.53 | 0.53 | (1) |
| <i>Picumnus olivaceus</i> | Olivaceous Piculet | Picidae | FF | 11 | 11 | 0.13 | 0.13 | (1) |
| <i>Picus canus</i> | Grey-faced Woodpecker | Picidae | FF | 137 | 137 | 1.95 | 1.95 | (26) |
| <i>Picus viridis</i> | Eurasian Green Woodpecker | Picidae | FF | 184 | 188 | 2.55 | 2.48 | (6, 7, 9) |
| <i>Pinicola enucleator</i> | Pine Grosbeak | Fringillidae | FF | 57 | 60 | 0.86 | 0.86 | (10, 31) |
| <i>Pionus senilis</i> | White-crowned Parrot | Psittacidae | FF | 212 | 212 | 2.52 | 2.52 | (1) |
| <i>Pipilo chlorurus</i> | Green-tailed Towhee | Emberizidae | FF | 29 | 29 | 0.28 | 0.28 | (36) |
| <i>Pipilo erythrophthalmus</i> | Eastern Towhee | Emberizidae | FF | 40 | 39 | 0.38 | 0.37 | (1)2 |
| <i>Pipilo fuscus</i> | Canyon Towhee | Emberizidae | FF | 44 | 44 | 0.3 | 0.3 | (36) |
| <i>Pipra mentalis</i> | Red-capped Manakin | Pipridae | FF | 15 | 15 | 0.15 | 0.15 | (1) |
| <i>Piranga bidentata</i> | Flame-coloured Tanager | Cardinalidae | FF | 36 | 36 | 0.37 | 0.37 | (1) |
| <i>Piranga leucoptera</i> | White-winged Tanager | Cardinalidae | FF | 17 | 17 | 0.18 | 0.18 | (1) |
| <i>Piranga ludoviciana</i> | Western Tanager | Cardinalidae | FF | 31 | 31 | 0.29 | 0.29 | (1) |
| <i>Piranga olivacea</i> | Scarlet Tanager | Cardinalidae | FF | 31 | 31 | 0.37 | 0.37 | (1) |

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|---------------------------------|------------------------------|-------------------|----|------|------|------|------|-----------|
| <i>Piranga rubra</i> | Summer Tanager | Cardinalidae | FF | 30 | 30 | 0.34 | 0.34 | (1) |
| <i>Pitta brachyura</i> | Indian Pitta | Pittidae | FF | 61 | 61 | 0.57 | 0.57 | (26) |
| <i>Platalea leucorodia</i> | Eurasian Spoonbill | Threskiornithidae | FF | 1487 | 1487 | 14.5 | 14.5 | (7) |
| <i>Platyrrinchus mystaceus</i> | White-throated Spadebill | Tyrannidae | FF | 11 | 11 | 0.13 | 0.13 | (1) |
| <i>Plectrophenax nivalis</i> | Snow Bunting | Emberizidae | FF | 33 | 33 | 0.51 | 0.51 | (10, 54) |
| <i>Plegadis falcinellus</i> | Glossy Ibis | Threskiornithidae | FF | 491 | 491 | 4.85 | 4.85 | (4, 12) |
| <i>Pluvialis apricaria</i> | Eurasian Golden Plover | Charadriidae | FF | 191 | 191 | 2.7 | 2.7 | (7) |
| <i>Pluvialis dominica</i> | American Golden Plover | Charadriidae | FF | 147 | 147 | 2.22 | 2.22 | (10) |
| <i>Pluvialis squatarola</i> | Grey Plover | Charadriidae | FF | 216 | 216 | 3.28 | 3.28 | (2) |
| <i>Podiceps cristatus</i> | Great Crested Grebe | Podicipedidae | FF | 821 | 790 | 9.18 | 8.53 | (2, 3, 6) |
| <i>Podiceps grisegena</i> | Red-necked Grebe | Podicipedidae | FF | 573 | 573 | 7.2 | 7.2 | (2, 3) |
| <i>Podiceps nigricollis</i> | Black-necked Grebe | Podicipedidae | FF | 77 | 77 | 1.5 | 1.5 | (4) |
| <i>Podilymbus podiceps</i> | Pied-billed Grebe | Podicipedidae | FF | 362 | 362 | 3.62 | 3.62 | (1) |
| <i>Poecilotriccus sylvia</i> | Slate-headed Tody-flycatcher | Tyrannidae | FF | 7 | 7 | 0.08 | 0.08 | (1) |
| <i>Polioptila plumbea</i> | Tropical Gnatcatcher | Polioptilidae | FF | 6 | 6 | 0.08 | 0.08 | (1) |
| <i>Polysticta stelleri</i> | Steller's Eider | Anatidae | FF | 823 | 823 | 8.5 | 8.5 | (10) |
| <i>Porphyrio hochstetteri</i> | Takahe | Rallidae | SF | 2660 | 2660 | 18 | 18 | (66) |
| <i>Porphyrio martinica</i> | Yellow-legged Gallinule | Rallidae | FF | 245 | 245 | 1.54 | 1.54 | (1) |
| <i>Porphyrio porphyrio</i> | Purple Swamphen | Rallidae | FF | 826 | 826 | 4.6 | 4.6 | (4, 66) |
| <i>Porzana porzana</i> | Spotted Crake | Rallidae | FF | 69 | 69 | 0.75 | 0.75 | (2) |
| <i>Premnoplex brunnescens</i> | Spotted Barbtail | Furnariidae | FF | 16 | 16 | 0.16 | 0.16 | (1) |
| <i>Progne chalybea</i> | Grey-breasted Martin | Hirundinidae | FF | 39 | 39 | 0.55 | 0.55 | (1) |
| <i>Protonotaria citrea</i> | Prothonotary Warbler | Parulidae | FF | 14 | 14 | 0.14 | 0.14 | (1) |
| <i>Prunella modularis</i> | Hedge Accentor | Prunellidae | FF | 19 | 19 | 0.19 | 0.19 | (6, 7) |
| <i>Psarocolius decumanus</i> | Crested Oropendola | Icteridae | FF | 285 | 285 | 2.6 | 2.6 | (1) |
| <i>Psarocolius wagleri</i> | Chestnut-headed Oropendola | Icteridae | FF | 170 | 170 | 1.87 | 1.87 | (1) |
| <i>Pselliophorus tibialis</i> | Yellow-thighed Finch | Emberizidae | FF | 31 | 31 | 0.25 | 0.25 | (1) |
| <i>Pseudocolaptes lawrencii</i> | Buffy Tuftedcheek | Furnariidae | FF | 52 | 52 | 0.6 | 0.6 | (1) |
| <i>Pseudoscops clamator</i> | Striped Owl | Strigidae | FF | 373 | 373 | 1.65 | 1.65 | (1) |
| <i>Psilopsiagon aurifrons</i> | Mountain Parakeet | Psittacidae | FF | 43 | 43 | 1.1 | 1.1 | (12) |
| <i>Psittacula krameri</i> | Rose-ringed Parakeet | Psittacidae | FF | 140 | 140 | 1.45 | 1.45 | (7) |
| <i>Psittacus erithacus</i> | Grey Parrot | Psittacidae | FF | 400 | 400 | 5 | 5 | (4) |
| <i>Pterodroma hypoleuca</i> | Bonin Petrel | Procellariidae | GS | 180 | 180 | 2.1 | 2.1 | (67) |
| <i>Pteroglossus frantzii</i> | Fiery-billed Aracari | Ramphastidae | FF | 264 | 264 | 2.03 | 2.03 | (1) |
| <i>Pteroglossus torquatus</i> | Collared Aracari | Ramphastidae | FF | 227 | 227 | 1.54 | 1.54 | (1) |
| <i>Ptilogonys caudatus</i> | Long-tailed Silky-flycatcher | Bombycillidae | FF | 38 | 38 | 0.51 | 0.51 | (1) |

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|-----------------------------------|---------------------------|------------------|----|-------|-------|-------|-------|-------------|
| <i>Puffinus griseus</i> | Sooty Shearwater | Procellariidae | GS | 268 | 268 | 2.46 | 2.46 | (8) |
| <i>Puffinus puffinus</i> | Manx Shearwater | Procellariidae | GS | 347 | 347 | 3.78 | 3.78 | (7) |
| <i>Pulsatrix perspicillata</i> | Spectacled Owl | Strigidae | FF | 845 | 845 | 2.62 | 2.62 | (1) |
| <i>Pycnonotus sinensis</i> | Light-vented Bulbul | Pycnonotidae | FF | 27 | 27 | 0.34 | 0.34 | (68) |
| <i>Pygochelidon cyanoleuca</i> | Blue-and-white Swallow | Hirundinidae | FF | 10 | 10 | 0.13 | 0.13 | (1) |
| <i>Pygoscelis adeliae</i> | Adelie Penguin | Spheniscidae | FF | 5453 | 5453 | 33.06 | 33.06 | (11, 69) |
| <i>Pygoscelis antarcticus</i> | Chinstrap Penguin | Spheniscidae | FF | 3900 | 3900 | 42.4 | 42.4 | (69) |
| <i>Pyrilia haematotis</i> | Brown-hooded Parrot | Psittacidae | FF | 146 | 146 | 2.2 | 2.2 | (1) |
| <i>Pyrrhonorax graculus</i> | Yellow-billed Chough | Corvidae | FF | 223 | 223 | 2.01 | 2.01 | (2) |
| <i>Pyrrhonorax pyrrhonorax</i> | Red-billed Chough | Corvidae | FF | 390 | 390 | 3.74 | 3.74 | (2) |
| <i>Pyrrhula pyrrhula</i> | Eurasian Bullfinch | Fringillidae | FF | 23 | 21 | 0.34 | 0.29 | (6, 7, 31) |
| <i>Pyrrhura hoffmanni</i> | Sulphur-winged Parakeet | Psittacidae | FF | 82 | 82 | 1.16 | 1.16 | (1) |
| <i>Querula purpurata</i> | Purple-throated Fruitcrow | Cotingidae | FF | 103 | 103 | 1.09 | 1.09 | (1) |
| <i>Quiscalus mexicanus</i> | Great-tailed Grackle | Icteridae | FF | 165 | 165 | 1.62 | 1.62 | (1) |
| <i>Quiscalus quiscula</i> | Common Grackle | Icteridae | FF | 82 | 82 | 1.16 | 1.16 | (8) |
| <i>Rallus aquaticus</i> | Water Rail | Rallidae | FF | 83 | 69 | 0.89 | 0.82 | (6, 7, 9) |
| <i>Ramphastos swainsonii</i> | Chestnut-mandibled Toucan | Ramphastidae | FF | 526 | 526 | 4.15 | 4.15 | (1) |
| <i>Ramphastos toco</i> | Toco Toucan | Ramphastidae | FF | 410 | 410 | 4 | 4 | (7) |
| <i>Ramphocaenus melanurus</i> | Long-billed Gnatwren | Poliptilidae | FF | 10 | 10 | 0.13 | 0.13 | (1) |
| <i>Ramphocelus dimidiatus</i> | Crimson-backed Tanager | Thraupidae | FF | 30 | 30 | 0.25 | 0.25 | (1) |
| <i>Ramphocelus icteronotus</i> | Lemon-rumped Tanager | Thraupidae | FF | 35 | 35 | 0.27 | 0.27 | (1) |
| <i>Ramphocelus passerinii</i> | Scarlet-rumped Tanager | Thraupidae | FF | 33 | 33 | 0.32 | 0.32 | (1) |
| <i>Recurvirostra avosetta</i> | Pied Avocet | Recurvirostridae | FF | 293 | 293 | 3.7 | 3.7 | (7) |
| <i>Regulus regulus</i> | Goldcrest | Reguliidae | FF | 5 | 5 | 0.06 | 0.06 | (2, 6) |
| <i>Rhea americana</i> | Greater Rhea | Rheidae | SF | 10555 | 10555 | 123.2 | 123.2 | (7) |
| <i>Rhodinocichla rosea</i> | Rosy Thrush-tanager | Thraupidae | FF | 49 | 49 | 0.31 | 0.31 | (1) |
| <i>Rhynchocyclus brevirostris</i> | Eye-ringed Flatbill | Tyrannidae | FF | 24 | 24 | 0.2 | 0.2 | (1) |
| <i>Rhynchocyclus olivaceus</i> | Olivaceous Flatbill | Tyrannidae | FF | 21 | 21 | 0.15 | 0.15 | (1) |
| <i>Rhynchotus rufescens</i> | Red-winged Tinamou | Tinamidae | SF | 822 | 822 | 2.1 | 2.1 | (7) |
| <i>Rhytipterna holerythra</i> | Rufous Mourner | Tyrannidae | FF | 37 | 37 | 0.52 | 0.52 | (1) |
| <i>Riparia riparia</i> | Sand Martin | Hirundinidae | FF | 14 | 13 | 0.2 | 0.21 | (2, 3, 6) |
| <i>Rissa tridactyla</i> | Black-legged Kittiwake | Laridae | FF | 460 | 465 | 5.01 | 4.95 | (7, 10, 70) |
| <i>Rynchops niger</i> | Black Skimmer | Laridae | FF | 306 | 306 | 3.06 | 3.06 | (1) |
| <i>Saltator albicollis</i> | Lesser Antillean Saltator | Cardinalidae | FF | 41 | 41 | 0.33 | 0.33 | (1) |
| <i>Saltator atriceps</i> | Black-headed Saltator | Cardinalidae | FF | 95 | 95 | 0.85 | 0.85 | (1) |
| <i>Saltator maximus</i> | Buff-throated Saltator | Cardinalidae | FF | 48 | 48 | 0.66 | 0.66 | (1) |

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|----------------------------------|----------------------------|------------------|----|------|------|-------|-------|---------------|
| <i>Saxicola rubetra</i> | Whinchat | Muscicapidae | FF | 15 | 15 | 0.23 | 0.23 | (2, 6) |
| <i>Saxicola torquatus</i> | Common Stonechat | Muscicapidae | FF | 13 | 13 | 0.17 | 0.17 | (2, 6) |
| <i>Sayornis nigricans</i> | Black Phoebe | Tyrannidae | FF | 19 | 19 | 0.23 | 0.23 | (1) |
| <i>Sayornis phoebe</i> | Eastern Phoebe | Tyrannidae | FF | 18 | 18 | 0.19 | 0.19 | (8) |
| <i>Schiffornis turdina</i> | Thrush-like Schiffornis | Cotingidae | FF | 35 | 35 | 0.53 | 0.53 | (1) |
| <i>Sclerurus guatemalensis</i> | Scaly-throated Leaftosser | Furnariidae | FF | 37 | 37 | 0.48 | 0.48 | (1) |
| <i>Scolopax rusticola</i> | Eurasian Woodcock | Scolopacidae | FF | 255 | 256 | 3.17 | 3.13 | (4, 6, 7) |
| <i>Scopus umbretta</i> | Hamerkop | Scopidae | FF | 318 | 318 | 7.22 | 7.22 | (8) |
| <i>Seiurus aurocapilla</i> | Ovenbird | Parulidae | FF | 19 | 19 | 0.22 | 0.22 | (1) |
| <i>Seiurus motacilla</i> | Louisiana Waterthrush | Parulidae | FF | 19 | 19 | 0.24 | 0.24 | (1) |
| <i>Seiurus noveboracensis</i> | Northern Waterthrush | Parulidae | FF | 18 | 18 | 0.18 | 0.18 | (1) |
| <i>Selasphorus platycercus</i> | Broad-tailed Hummingbird | Trochilidae | HF | 3 | 3 | 0.08 | 0.08 | (36) |
| <i>Selasphorus rufus</i> | Rufous Hummingbird | Trochilidae | HF | 4 | 4 | 0.08 | 0.08 | (36) |
| <i>Selasphorus scintilla</i> | Scintillant Hummingbird | Trochilidae | HF | 2 | 2 | 0.05 | 0.05 | (1) |
| <i>Sephanoides sephaniodes</i> | Green-backed Firecrown | Trochilidae | HF | 5 | 5 | 0.1 | 0.1 | (15) |
| <i>Serinus canaria</i> | Island Canary | Fringillidae | FF | 12 | 11 | 0.18 | 0.17 | (2, 8, 9) |
| <i>Serinus pusillus</i> | Fire-fronted Serin | Fringillidae | FF | 11 | 11 | 0.2 | 0.2 | (4) |
| <i>Serinus serinus</i> | European Serin | Fringillidae | FF | 11 | 11 | 0.14 | 0.14 | (6, 7) |
| <i>Serpophaga cinerea</i> | Torrent Tyrannulet | Tyrannidae | FF | 8 | 8 | 0.12 | 0.12 | (1) |
| <i>Setophaga ruticilla</i> | American Redstart | Parulidae | FF | 8 | 8 | 0.1 | 0.1 | (1) |
| <i>Sialia sialis</i> | Eastern Bluebird | Turdidae | FF | 32 | 32 | 0.42 | 0.38 | (1, 8) |
| <i>Sicalis uropygialis</i> | Bright-rumped Yellow-finch | Emberizidae | FF | 21 | 21 | 0.41 | 0.41 | (12) |
| <i>Sitta carolinensis</i> | White-breasted Nuthatch | Sittidae | FF | 20 | 20 | 0.26 | 0.26 | (1, 58) |
| <i>Sitta europaea</i> | Wood Nuthatch | Sittidae | FF | 22 | 23 | 0.27 | 0.28 | (2, 6, 9, 26) |
| <i>Sitta frontalis</i> | Velvet-fronted Nuthatch | Sittidae | FF | 13 | 13 | 0.2 | 0.2 | (26) |
| <i>Sitta pusilla</i> | Brown-headed Nuthatch | Sittidae | FF | 9 | 9 | 0.11 | 0.11 | (1) |
| <i>Sittasomus griseicapillus</i> | Olivaceous Woodcreeper | Dendrocolaptidae | FF | 14 | 14 | 0.16 | 0.16 | (1) |
| <i>Somateria fischeri</i> | Spectacled Eider | Anatidae | FF | 1368 | 1368 | 13 | 13 | (10) |
| <i>Somateria mollissima</i> | Common Eider | Anatidae | FF | 2750 | 2750 | 25.8 | 25.8 | (10) |
| <i>Somateria spectabilis</i> | King Eider | Anatidae | FF | 1840 | 1840 | 16.02 | 16.02 | (71) |
| <i>Spheniscus demersus</i> | African Penguin | Spheniscidae | FF | 2983 | 2983 | 28.26 | 28.26 | (4, 7) |
| <i>Sphyrapicus varius</i> | Yellow-bellied Sapsucker | Picidae | FF | 47 | 47 | 0.66 | 0.66 | (1) |
| <i>Spizaetus melanoleucus</i> | Black-and-white Hawk-eagle | Accipitridae | GS | 525 | 525 | 2.21 | 2.21 | (1) |
| <i>Spizaetus ornatus</i> | Ornate Hawk-eagle | Accipitridae | GS | 1215 | 1215 | 4.25 | 4.25 | (1) |
| <i>Spizella arborea</i> | American Tree Sparrow | Emberizidae | FF | 19 | 19 | 0.24 | 0.24 | (10) |
| <i>Spizella passerina</i> | Chipping Sparrow | Emberizidae | FF | 11 | 11 | 0.15 | 0.15 | (36) |

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|----------------------------------|-------------------------------|----------------|----|--------|--------|---------|---------|-----------------|
| <i>Spizella pusilla</i> | Field Sparrow | Emberizidae | FF | 13 | 13 | 0.15 | 0.15 | (1, 36) |
| <i>Sporophila corvina</i> | Variable Seedeater | Emberizidae | FF | 11 | 11 | 0.13 | 0.13 | (1) |
| <i>Stelgidopteryx ruficollis</i> | Southern Rough-winged Swallow | Hirundinidae | FF | 14 | 14 | 0.22 | 0.22 | (1) |
| <i>Stercorarius longicaudus</i> | Long-tailed Jaeger | Stercorariidae | FF | 309 | 309 | 3.6 | 3.6 | (10) |
| <i>Stercorarius parasiticus</i> | Parasitic Jaeger | Stercorariidae | FF | 432 | 432 | 6.24 | 6.24 | (10) |
| <i>Stercorarius pomarinus</i> | Pomarine Jaeger | Stercorariidae | FF | 743 | 743 | 7.75 | 7.75 | (10) |
| <i>Sterna albifrons</i> | Little Tern | Laridae | FF | 49 | 49 | 0.76 | 0.76 | (3) |
| <i>Sterna forsteri</i> | Forster's Tern | Laridae | FF | 117 | 117 | 1.27 | 1.27 | (1) |
| <i>Sterna hirundo</i> | Common Tern | Laridae | FF | 113 | 113 | 1.31 | 1.31 | (1, 2) |
| <i>Sterna maxima</i> | Royal Tern | Laridae | FF | 468 | 468 | 4.59 | 4.59 | (1) |
| <i>Sterna nilotica</i> | Gull-billed Tern | Laridae | FF | 175 | 175 | 1.92 | 1.92 | (7) |
| <i>Sterna paradisaea</i> | Arctic Tern | Laridae | FF | 104 | 104 | 1.47 | 1.47 | (10) |
| <i>Sterna sandvicensis</i> | Sandwich Tern | Laridae | FF | 269 | 269 | 2.53 | 2.53 | (1, 7) |
| <i>Streptopelia decaocto</i> | Eurasian Collared-dove | Columbidae | FF | 162 | 164 | 1.6 | 1.64 | (72)27(6) |
| <i>Streptopelia roseogrisea</i> | African Collared-dove | Columbidae | FF | 153 | 153 | 1.3 | 1.3 | (20) |
| <i>Streptopelia turtur</i> | European Turtle-dove | Columbidae | FF | 91 | 91 | 0.91 | 0.91 | (7) |
| <i>Strix aluco</i> | Tawny Owl | Strigidae | FF | 415 | 408 | 3.2 | 3.24 | (5, 7) |
| <i>Strix nigrolineata</i> | Black-and-white Owl | Strigidae | FF | 459 | 459 | 2.06 | 2.06 | (1) |
| <i>Strix varia</i> | Barred Owl | Strigidae | FF | 754 | 754 | 4.37 | 4.37 | (1) |
| <i>Strix virgata</i> | Mottled Owl | Strigidae | FF | 230 | 230 | 1.06 | 1.06 | (1) |
| <i>Struthio camelus</i> | Ostrich | Struthionidae | SF | 105553 | 122100 | 1015.11 | 1054.33 | (8, 73, 74) |
| <i>Sturnella magna</i> | Eastern Meadowlark | Icteridae | FF | 89 | 89 | 0.86 | 0.86 | (1) |
| <i>Sturnella militaris</i> | Red-breasted Blackbird | Icteridae | FF | 43 | 43 | 0.39 | 0.39 | (1) |
| <i>Sturnus vulgaris</i> | Common Starling | Sturnidae | FF | 69 | 71 | 0.98 | 0.93 | (1, 3, 6-8, 31) |
| <i>Sylvia atricapilla</i> | Blackcap | Sylviidae | FF | 14 | 14 | 0.16 | 0.16 | (6, 7, 9) |
| <i>Sylvia borin</i> | Garden Warbler | Sylviidae | FF | 18 | 18 | 0.21 | 0.2 | (2, 6, 75) |
| <i>Sylvia communis</i> | Common Whitethroat | Sylviidae | FF | 17 | 17 | 0.18 | 0.18 | (2, 6) |
| <i>Sylvia curruca</i> | Lesser Whitethroat | Sylviidae | FF | 11 | 11 | 0.15 | 0.15 | (6, 9) |
| <i>Synallaxis albescens</i> | Pale-breasted Spinetail | Furnariidae | FF | 14 | 14 | 0.15 | 0.15 | (1) |
| <i>Synallaxis brachyura</i> | Slaty Spinetail | Furnariidae | FF | 19 | 19 | 0.19 | 0.19 | (1) |
| <i>Syndactyla subalaris</i> | Lineated Foliage-gleaner | Furnariidae | FF | 34 | 34 | 0.39 | 0.39 | (1) |
| <i>Tachybaptus dominicus</i> | Least Grebe | Podicipedidae | FF | 123 | 123 | 1.29 | 1.29 | (1) |
| <i>Tachybaptus ruficollis</i> | Little Grebe | Podicipedidae | FF | 181 | 181 | 2.4 | 2.4 | (7) |
| <i>Tachycineta albilinea</i> | Mangrove Swallow | Hirundinidae | FF | 14 | 14 | 0.22 | 0.22 | (1) |
| <i>Tachymarptis melba</i> | Alpine Swift | Apodidae | FF | 87 | 87 | 0.8 | 0.8 | (27) |

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|------------------------------------|----------------------------|----------------|----|------|------|-------|-------|--------------|
| <i>Tachyphonus luctuosus</i> | White-shouldered Tanager | Thraupidae | FF | 15 | 15 | 0.15 | 0.15 | (1) |
| <i>Tachyphonus rufus</i> | White-lined Tanager | Thraupidae | FF | 35 | 35 | 0.29 | 0.29 | (1) |
| <i>Tangara guttata</i> | Speckled Tanager | Thraupidae | FF | 20 | 20 | 0.2 | 0.2 | (1) |
| <i>Tangara gyrola</i> | Bay-headed Tanager | Thraupidae | FF | 22 | 22 | 0.21 | 0.21 | (1) |
| <i>Tangara icterocephala</i> | Silver-throated Tanager | Thraupidae | FF | 22 | 22 | 0.24 | 0.24 | (1) |
| <i>Tangara inornata</i> | Plain-coloured Tanager | Thraupidae | FF | 20 | 20 | 0.22 | 0.22 | (1) |
| <i>Tangara larvata</i> | Golden-hooded Tanager | Thraupidae | FF | 19 | 19 | 0.22 | 0.22 | (1) |
| <i>Tapera naevia</i> | Striped Cuckoo | Cuculidae | FF | 52 | 52 | 0.41 | 0.41 | (1) |
| <i>Taraba major</i> | Great Antshrike | Thamnophilidae | FF | 68 | 68 | 0.41 | 0.41 | (1) |
| <i>Tephrodornis pondicerianus</i> | Common Woodshrike | Campephagidae | FF | 41 | 41 | 0.35 | 0.35 | (26) |
| <i>Terathopius ecaudatus</i> | Bateleur | Accipitridae | FF | 2095 | 2095 | 18.5 | 18.5 | (7) |
| <i>Terenotriccus erythrurus</i> | Ruddy-tailed Flycatcher | Tyrannidae | FF | 7 | 7 | 0.08 | 0.08 | (1) |
| <i>Tetrao tetrix</i> | Black Grouse | Phasianidae | SF | 1175 | 1256 | 13.46 | 12.56 | (2, 3, 7, 9) |
| <i>Tetrao urogallus</i> | Western Capercaillie | Phasianidae | SF | 3189 | 3493 | 27.53 | 31.88 | (2-4, 7, 9) |
| <i>Tetrax tetrax</i> | Little Bustard | Otididae | FF | 830 | 838 | 12.01 | 11.85 | (7) own data |
| <i>Thalurania furcata</i> | Fork-tailed Woodnymph | Trochilidae | HF | 4 | 4 | 0.09 | 0.09 | (1) |
| <i>Thamnistes anabatinus</i> | Russet Antshrike | Thamnophilidae | FF | 21 | 21 | 0.2 | 0.2 | (1) |
| <i>Thamnophilus doliatus</i> | Barred Antshrike | Thamnophilidae | FF | 28 | 28 | 0.2 | 0.2 | (1) |
| <i>Thamnophilus punctatus</i> | Northern Slaty-antshrike | Thamnophilidae | FF | 22 | 22 | 0.17 | 0.17 | (1) |
| <i>Thraupis episcopus</i> | Blue-grey Tanager | Thraupidae | FF | 32 | 32 | 0.43 | 0.43 | (1) |
| <i>Thraupis palmarum</i> | Palm Tanager | Thraupidae | FF | 39 | 39 | 0.51 | 0.51 | (1) |
| <i>Thripadectes rufobrunneus</i> | Streak-breasted Treehunter | Furnariidae | FF | 56 | 56 | 0.57 | 0.57 | (1) |
| <i>Thryothorus fasciatoventris</i> | Black-bellied Wren | Troglodytidae | FF | 23 | 23 | 0.18 | 0.18 | (1) |
| <i>Thryothorus leucotis</i> | Buff-breasted Wren | Troglodytidae | FF | 19 | 19 | 0.17 | 0.17 | (1) |
| <i>Thryothorus ludovicianus</i> | Carolina Wren | Troglodytidae | FF | 21 | 21 | 0.21 | 0.21 | (1) |
| <i>Thryothorus modestus</i> | Plain Wren | Troglodytidae | FF | 19 | 19 | 0.19 | 0.19 | (1) |
| <i>Thryothorus rutilus</i> | Rufous-breasted Wren | Troglodytidae | FF | 16 | 16 | 0.15 | 0.15 | (1) |
| <i>Tiaris olivaceus</i> | Yellow-faced Grassquit | Emberizidae | FF | 9 | 9 | 0.1 | 0.1 | (1) |
| <i>Tichodroma muraria</i> | Wallcreeper | Sittidae | FF | 15 | 15 | 0.2 | 0.2 | (2) |
| <i>Tigrisoma lineatum</i> | Rufescent Tiger-heron | Ardeidae | FF | 857 | 857 | 5.91 | 5.91 | (1) |
| <i>Tigrisoma mexicanum</i> | Bare-throated Tiger-heron | Ardeidae | FF | 1144 | 1144 | 6.52 | 6.52 | (1) |
| <i>Tinamus major</i> | Great Tinamou | Tinamidae | SF | 1169 | 1169 | 2.22 | 2.22 | (1) |
| <i>Tityra inquisitor</i> | Black-crowned Tityra | Cotingidae | FF | 42 | 42 | 0.51 | 0.51 | (1) |
| <i>Tityra semifasciata</i> | Masked Tityra | Cotingidae | FF | 79 | 79 | 0.98 | 0.98 | (1) |
| <i>Todirostrum cinereum</i> | Common Tody-flycatcher | Tyrannidae | FF | 6 | 6 | 0.07 | 0.07 | (1) |
| <i>Tolmomyias sulphurescens</i> | Yellow-olive Flycatcher | Tyrannidae | FF | 13 | 13 | 0.12 | 0.12 | (1) |

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|---------------------------------|---------------------------|---------------|----|-----|-----|-------|-------|---------------|
| <i>Trichoglossus haematodus</i> | Rainbow Lorikeet | Psittacidae | FF | 136 | 136 | 1.34 | 1.34 | (7) |
| <i>Tringa erythropus</i> | Spotted Redshank | Scolopacidae | FF | 133 | 133 | 2 | 2 | (2) |
| <i>Tringa flavipes</i> | Lesser Yellowlegs | Scolopacidae | FF | 85 | 85 | 1.09 | 1.09 | (1) |
| <i>Tringa melanoleuca</i> | Greater Yellowlegs | Scolopacidae | FF | 209 | 209 | 2.59 | 2.59 | (1) |
| <i>Tringa nebularia</i> | Common Greenshank | Scolopacidae | FF | 172 | 172 | 1.91 | 1.91 | (2, 6) |
| <i>Tringa ochropus</i> | Green Sandpiper | Scolopacidae | FF | 54 | 54 | 0.85 | 0.85 | (7) |
| <i>Tringa solitaria</i> | Solitary Sandpiper | Scolopacidae | FF | 55 | 55 | 0.59 | 0.59 | (1) |
| <i>Tringa stagnatilis</i> | Marsh Sandpiper | Scolopacidae | FF | 78 | 78 | 1.17 | 1.17 | (7) |
| <i>Tringa totanus</i> | Common Redshank | Scolopacidae | FF | 97 | 97 | 1.3 | 1.3 | (3, 7) |
| <i>Troglodytes cobbi</i> | Cobb's Wren | Troglodytidae | FF | 15 | 15 | 0.18 | 0.18 | (1) |
| <i>Troglodytes ochraceus</i> | Ochraceous Wren | Troglodytidae | FF | 10 | 10 | 0.12 | 0.12 | (1) |
| <i>Troglodytes troglodytes</i> | Winter Wren | Troglodytidae | FF | 9 | 10 | 0.13 | 0.13 | (6, 7, 9) |
| <i>Trogon aurantiiventris</i> | Orange-bellied Trogon | Trogonidae | FF | 62 | 62 | 0.7 | 0.7 | (1) |
| <i>Trogon bairdii</i> | Baird's Trogon | Trogonidae | FF | 73 | 73 | 0.95 | 0.95 | (1) |
| <i>Trogon caligatus</i> | Gartered Trogon | Trogonidae | FF | 57 | 57 | 0.67 | 0.67 | (1) |
| <i>Trogon collaris</i> | Collared Trogon | Trogonidae | FF | 64 | 64 | 0.67 | 0.67 | (1) |
| <i>Trogon curucui</i> | Blue-crowned Trogon | Trogonidae | FF | 52 | 52 | 0.57 | 0.57 | (1) |
| <i>Trogon massena</i> | Slaty-tailed Trogon | Trogonidae | FF | 141 | 141 | 1.75 | 1.75 | (1) |
| <i>Trogon melanurus</i> | Black-tailed Trogon | Trogonidae | FF | 119 | 119 | 1.49 | 1.49 | (1) |
| <i>Turdoides striata</i> | Jungle Babbler | Timaliidae | FF | 81 | 81 | 0.59 | 0.59 | (26) |
| <i>Turdus assimilis</i> | White-throated Thrush | Turdidae | FF | 68 | 68 | 0.88 | 0.88 | (1) |
| <i>Turdus chiguanco</i> | Chiguanco Thrush | Turdidae | FF | 97 | 97 | 0.88 | 0.88 | (12) |
| <i>Turdus grayi</i> | Clay-coloured Thrush | Turdidae | FF | 74 | 74 | 0.77 | 0.77 | (1) |
| <i>Turdus iliacus</i> | Redwing | Turdidae | FF | 62 | 62 | 0.61 | 0.61 | (7, 9) |
| <i>Turdus merula</i> | Eurasian Blackbird | Turdidae | FF | 93 | 87 | 0.9 | 0.88 | (6, 7, 9) |
| <i>Turdus migratorius</i> | American Robin | Turdidae | FF | 77 | 79 | 0.96 | 0.97 | (8, 36, 76) |
| <i>Turdus naumanni</i> | Dusky Thrush | Turdidae | FF | 76 | 76 | 0.79 | 0.79 | (2) |
| <i>Turdus philomelos</i> | Song Thrush | Turdidae | FF | 71 | 70 | 0.71 | 0.74 | (2, 6, 9) |
| <i>Turdus pilaris</i> | Fieldfare | Turdidae | FF | 108 | 104 | 1.32 | 1.27 | (2, 3, 6, 31) |
| <i>Turdus plebejus</i> | American Mountain Thrush | Turdidae | FF | 84 | 84 | 1.02 | 1.02 | (1) |
| <i>Turdus torquatus</i> | Ring Ouzel | Turdidae | FF | 97 | 97 | 1.11 | 1.11 | (2) |
| <i>Turdus viscivorus</i> | Mistle Thrush | Turdidae | FF | 118 | 115 | 0.97 | 0.81 | (7, 9) |
| <i>Tympanuchus cupido</i> | Greater Prairie-chicken | Phasianidae | SF | 872 | 872 | 10.95 | 10.95 | (7) |
| <i>Tympanuchus phasianellus</i> | Sharp-tailed Grouse | Phasianidae | SF | 690 | 690 | 9.55 | 9.55 | (32) |
| <i>Tyrannulus elatus</i> | Yellow-crowned Tyrannulet | Tyrannidae | FF | 7 | 7 | 0.1 | 0.1 | (1) |
| <i>Tyrannus melancholicus</i> | Tropical Kingbird | Tyrannidae | FF | 41 | 41 | 0.45 | 0.44 | (1, 42) |

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|------------------------------------|----------------------------|------------------|----|-----|-----|------|------|--------------|
| <i>Tyrannus savana</i> | Fork-tailed Flycatcher | Tyrannidae | FF | 28 | 28 | 0.41 | 0.41 | (1) |
| <i>Tyrannus tyrannus</i> | Eastern Kingbird | Tyrannidae | FF | 38 | 38 | 0.49 | 0.49 | (1) |
| <i>Tyto alba</i> | Barn Owl | Tytonidae | FF | 345 | 323 | 2.98 | 3 | (1, 5, 7) |
| <i>Upucerthia validirostris</i> | Buff-breasted Earthcreeper | Furnariidae | FF | 40 | 40 | 0.47 | 0.47 | (12) |
| <i>Upupa epops</i> | Eurasian Hoopoe | Upupidae | FF | 66 | 67 | 0.73 | 0.8 | (3, 6, 7) |
| <i>Uria aalge</i> | Common Guillemot | Alcidae | FF | 726 | 766 | 6.63 | 7.18 | (4, 7, 10) |
| <i>Uria lomvia</i> | Thick-billed Guillemot | Alcidae | FF | 935 | 957 | 9.52 | 9.54 | (10, 11) |
| <i>Vanellus vanellus</i> | Northern Lapwing | Charadriidae | FF | 199 | 204 | 2.65 | 2.7 | (3, 4, 7, 9) |
| <i>Vermivora celata</i> | Orange-crowned Warbler | Parulidae | FF | 9 | 9 | 0.13 | 0.13 | (36) |
| <i>Vermivora chrysoptera</i> | Golden-winged Warbler | Parulidae | FF | 9 | 9 | 0.11 | 0.11 | (1) |
| <i>Vermivora peregrina</i> | Tennessee Warbler | Parulidae | FF | 9 | 9 | 0.12 | 0.12 | (1) |
| <i>Vermivora pinus</i> | Blue-winged Warbler | Parulidae | FF | 9 | 9 | 0.09 | 0.09 | (1) |
| <i>Vermivora ruficapilla</i> | Nashville Warbler | Parulidae | FF | 10 | 10 | 0.12 | 0.12 | (36) |
| <i>Vidua orientalis</i> | Sahel Paradise Whydah | Viduidae | FF | 17 | 17 | 0.18 | 0.18 | (4) |
| <i>Vidua paradisaea</i> | Eastern Paradise-whydah | Viduidae | FF | 17 | 17 | 0.21 | 0.21 | (7) |
| <i>Vireo carmioli</i> | Yellow-winged Vireo | Vireonidae | FF | 13 | 13 | 0.13 | 0.13 | (1) |
| <i>Vireo flavifrons</i> | Yellow-throated Vireo | Vireonidae | FF | 18 | 18 | 0.2 | 0.2 | (1) |
| <i>Vireo gilvus</i> | Warbling Vireo | Vireonidae | FF | 14 | 14 | 0.21 | 0.21 | (44) |
| <i>Vireo leucophrys</i> | Brown-capped Vireo | Vireonidae | FF | 9 | 9 | 0.11 | 0.11 | (1) |
| <i>Vireo olivaceus</i> | Red-eyed Vireo | Vireonidae | FF | 17 | 17 | 0.24 | 0.24 | (1) |
| <i>Vireo philadelphicus</i> | Philadelphia Vireo | Vireonidae | FF | 11 | 11 | 0.15 | 0.15 | (1) |
| <i>Volatinia jacarina</i> | Blue-black Grassquit | Emberizidae | FF | 9 | 9 | 0.1 | 0.1 | (1) |
| <i>Wilsonia pusilla</i> | Wilson's Warbler | Parulidae | FF | 7 | 7 | 0.1 | 0.1 | (1, 36) |
| <i>Xema sabini</i> | Sabine's Gull | Laridae | FF | 179 | 179 | 2.2 | 2.2 | (10) |
| <i>Xenops rutilans</i> | Streaked Xenops | Furnariidae | FF | 12 | 12 | 0.16 | 0.16 | (1) |
| <i>Xiphorhynchus erythropygius</i> | Spotted Woodcreeper | Dendrocolaptidae | FF | 47 | 47 | 0.47 | 0.47 | (1) |
| <i>Xiphorhynchus guttatus</i> | Buff-throated Woodcreeper | Dendrocolaptidae | FF | 46 | 46 | 0.36 | 0.36 | (1) |
| <i>Zimmerius vilissimus</i> | Paltry Tyrannulet | Tyrannidae | FF | 9 | 9 | 0.1 | 0.1 | (1) |
| <i>Zonotrichia albicollis</i> | White-throated Sparrow | Emberizidae | FF | 25 | 25 | 0.26 | 0.26 | (36) |
| <i>Zonotrichia atricapilla</i> | Golden-crowned Sparrow | Emberizidae | FF | 35 | 35 | 0.49 | 0.49 | (10) |
| <i>Zonotrichia capensis</i> | Rufous-collared Sparrow | Emberizidae | FF | 20 | 20 | 0.22 | 0.22 | (1, 77) |
| <i>Zonotrichia leucophrys</i> | White-crowned Sparrow | Emberizidae | FF | 26 | 26 | 0.3 | 0.3 | (10, 36) |
| <i>Zoothera naevia</i> | Varied Thrush | Turdidae | FF | 87 | 87 | 1.02 | 1.02 | (10) |

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