

Supplementary Information

The colour of an avifauna: a quantitative analysis of the colour of Australian birds

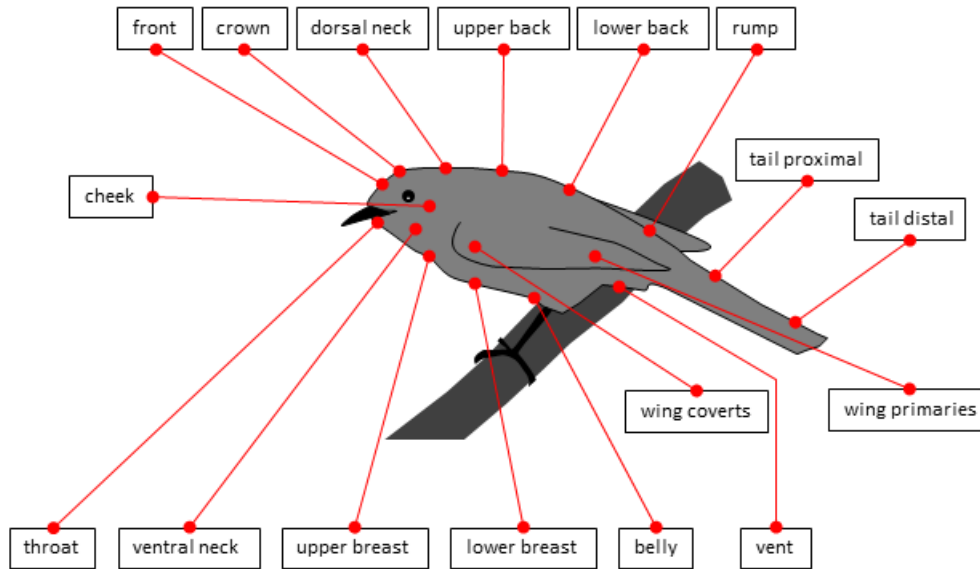
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Plumage patches

Figure S1. Plumage patches measured in this study. Drawing by the author.



List of species

Table S1. List of species included in this study, including number of female and male specimens measured per species. Taxonomy follows Christidis and Boles (2008).

Scientific name	English name	order	family	female s	males
<i>Acanthiza apicalis</i>	Inland Thornbill	PASSERIFORMES	Acanthizidae	3	3
<i>Acanthiza chrysorrhoa</i>	Yellow-rumped Thornbill	PASSERIFORMES	Acanthizidae	3	3
<i>Acanthiza ewingii</i>	Tasmanian Thornbill	PASSERIFORMES	Acanthizidae	1	2
<i>Acanthiza inornata</i>	Western Thornbill	PASSERIFORMES	Acanthizidae	3	3
<i>Acanthiza iredalei</i>	Slender-billed Thornbill	PASSERIFORMES	Acanthizidae	3	1
<i>Acanthiza katherina</i>	Mountain Thornbill	PASSERIFORMES	Acanthizidae	2	2
<i>Acanthiza lineata</i>	Striated Thornbill	PASSERIFORMES	Acanthizidae	3	3
<i>Acanthornis magna</i>	Scrubtit	PASSERIFORMES	Acanthizidae	1	1
<i>Acanthiza nana</i>	Yellow Thornbill	PASSERIFORMES	Acanthizidae	2	3
<i>Acanthiza pusilla</i>	Brown Thornbill	PASSERIFORMES	Acanthizidae	3	3
<i>Acanthiza reguloides</i>	Buff-rumped Thornbill	PASSERIFORMES	Acanthizidae	3	3
<i>Acanthiza robustirostris</i>	Slaty-backed Thornbill	PASSERIFORMES	Acanthizidae	1	1
<i>Acanthagenys rufogularis</i>	Spiny-cheeked Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Acanthorhynchus superciliosus</i>	Western Spinebill	PASSERIFORMES	Meliphagidae	3	3
<i>Acanthorhynchus tenuirostris</i>	Eastern Spinebill	PASSERIFORMES	Meliphagidae	3	3
<i>Acanthiza uropygialis</i>	Chestnut-rumped Thornbill	PASSERIFORMES	Acanthizidae	3	3
<i>Accipiter cirrocephalus</i>	Collared Sparrowhawk	ACCIPITRIFORMES	Accipitridae	3	3
<i>Accipiter fasciatus</i>	Brown Goshawk	ACCIPITRIFORMES	Accipitridae	3	3
<i>Accipiter novaehollandiae</i>	Grey Goshawk	ACCIPITRIFORMES	Accipitridae	2	2
<i>Acrocephalus australis</i>	Australian Reed-Warbler	PASSERIFORMES	Acrocephalidae	1	3
<i>Aegotheles cristatus</i>	Australian Owlet-nightjar	APODIFORMES	Aegothelidae	3	3
<i>Aerodramus terraereginae</i>	Australian Swiftlet	APODIFORMES	Apodidae	3	3
<i>Ailuroedus crassirostris</i>	Green Catbird	PASSERIFORMES	Ptilonorhynchidae	2	3
<i>Ailuroedus melanotis</i>	Spotted Catbird	PASSERIFORMES	Ptilonorhynchidae	3	3
<i>Alectura lathami</i>	Australian Brush-turkey	GALLIFORMES	Megapodiidae	2	2
<i>Alisterus scapularis</i>	Australian King-Parrot	PSITTACIFORMES	Psittacidae	3	3
<i>Amaurornis moluccana</i>	Pale-vented Bush-hen	GRUIFORMES	Rallidae	1	2
<i>Amblyornis newtonianus</i>	Golden Bowerbird	PASSERIFORMES	Ptilonorhynchidae	3	3
<i>Amytornis ballarae</i>	Kalkadoon Grasswren	PASSERIFORMES	Maluridae	3	3
<i>Amytornis barbatus</i>	Grey Grasswren	PASSERIFORMES	Maluridae	2	3
<i>Amytornis dorotheae</i>	Carpentarian Grasswren	PASSERIFORMES	Maluridae	5	5
<i>Amytornis goyderi</i>	Eyrean Grasswren	PASSERIFORMES	Maluridae	3	6
<i>Amytornis housei</i>	Black Grasswren	PASSERIFORMES	Maluridae	1	1
<i>Amytornis merrotsyi</i>	Short-tailed Grasswren	PASSERIFORMES	Maluridae	3	2
<i>Amytornis purnelli</i>	Dusky Grasswren	PASSERIFORMES	Maluridae	3	3
<i>Amytornis striatus</i>	Striated Grasswren	PASSERIFORMES	Maluridae	2	3
<i>Amytornis textilis</i>	Thick-billed Grasswren	PASSERIFORMES	Maluridae	3	3
<i>Amytornis woodwardi</i>	White-throated Grasswren	PASSERIFORMES	Maluridae	2	3
<i>Anas castanea</i>	Chestnut Teal	ANSERIFORMES	Anatidae	3	3

<i>Anas gracilis</i>	Grey Teal	ANSERIFORMES	Anatidae	3	3
<i>Anas rhynchotis</i>	Australasian Shoveler	ANSERIFORMES	Anatidae	3	2
<i>Anas superciliosa</i>	Pacific Black Duck	ANSERIFORMES	Anatidae	3	3
<i>Anhinga novaehollandiae</i>	Australasian Darter	PHALACROCORACIFORMES	Anhingidae	3	3
<i>Anseranas semipalmata</i>	Magpie Goose	ANSERIFORMES	Anseranatidae	3	2
<i>Anthochaera carunculata</i>	Red Wattlebird	PASSERIFORMES	Meliphagidae	3	3
<i>Anthochaera chrysoptera</i>	Little Wattlebird	PASSERIFORMES	Meliphagidae	3	3
<i>Anthochaera lunulata</i>	Western Wattlebird	PASSERIFORMES	Meliphagidae	3	2
<i>Anthus novaeseelandiae</i>	Australasian Pipit	PASSERIFORMES	Motacillidae	3	3
<i>Anthochaera paradoxa</i>	Yellow Wattlebird	PASSERIFORMES	Meliphagidae	2	3
<i>Anthochaera phrygia</i>	Regent Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Aphelocephala leucopsis</i>	Southern Whiteface	PASSERIFORMES	Acanthizidae	3	3
<i>Aphelocephala nigricincta</i>	Banded Whiteface	PASSERIFORMES	Acanthizidae	1	2
<i>Aphelocephala pectoralis</i>	Chestnut-breasted Whiteface	PASSERIFORMES	Acanthizidae	1	1
<i>Aplonis metallica</i>	Metallic Starling	PASSERIFORMES	Sturnidae	3	3
<i>Aprosmictus erythropterus</i>	Red-winged Parrot	PSITTACIFORMES	Psittacidae	3	3
<i>Aquila audax</i>	Wedge-tailed Eagle	ACCIPITRIFORMES	Accipitridae	2	3
<i>Ardeotis australis</i>	Australian Bustard	GRUIFORMES	Otididae	2	1
<i>Ardea ibis</i>	Cattle Egret	CICONIIFORMES	Ardeidae	1	0
<i>Ardea intermedia</i>	Intermediate Egret	CICONIIFORMES	Ardeidae	1	3
<i>Ardea pacifica</i>	White-necked Heron	CICONIIFORMES	Ardeidae	3	1
<i>Arses kaupi</i>	Pied Monarch	PASSERIFORMES	Monarchidae	2	1
<i>Arses telescopthalmus</i>	Frilled Monarch	PASSERIFORMES	Monarchidae	3	1
<i>Artamus cinereus</i>	Black-faced Woodswallow	PASSERIFORMES	Artamidae	3	3
<i>Artamus cyanopterus</i>	Dusky Woodswallow	PASSERIFORMES	Artamidae	3	3
<i>Artamus leucorhynchus</i>	White-breasted Woodswallow	PASSERIFORMES	Artamidae	3	1
<i>Artamus minor</i>	Little Woodswallow	PASSERIFORMES	Artamidae	3	3
<i>Artamus personatus</i>	Masked Woodswallow	PASSERIFORMES	Artamidae	3	3
<i>Artamus superciliosus</i>	White-browed Woodswallow	PASSERIFORMES	Artamidae	3	3
<i>Ashbyia lovensis</i>	Gibberbird	PASSERIFORMES	Meliphagidae	3	1
<i>Atrichornis clamosus</i>	Noisy Scrub-bird	PASSERIFORMES	Atrichornithidae	0	1
<i>Atrichornis rufescens</i>	Rufous Scrub-bird	PASSERIFORMES	Atrichornithidae	1	3
<i>Aviceda subcristata</i>	Pacific Baza	ACCIPITRIFORMES	Accipitridae	2	3
<i>Aythya australis</i>	Hardhead	ANSERIFORMES	Anatidae	3	3
<i>Barnardius zonarius</i>	Australian Ringneck	PSITTACIFORMES	Psittacidae	3	3
<i>Biziura lobata</i>	Musk Duck	ANSERIFORMES	Anatidae	2	3
<i>Botaurus poiciloptilus</i>	Australasian Bittern	CICONIIFORMES	Ardeidae	3	3
<i>Burhinus grallarius</i>	Bush Stone-curlew	CHARADRIIFORMES	Burhinidae	1	1
<i>Butorides striata</i>	Striated Heron	CICONIIFORMES	Ardeidae	2	3
<i>Cacomantis castaneiventris</i>	Chestnut-breasted Cuckoo	CUCULIFORMES	Cuculidae	0	3
<i>Cacomantis flabelliformis</i>	Fan-tailed Cuckoo	CUCULIFORMES	Cuculidae	3	3
<i>Cacatua galerita</i>	Sulphur-crested Cockatoo	PSITTACIFORMES	Cacatuidae	3	1
<i>Cacomantis pallidus</i>	Pallid Cuckoo	CUCULIFORMES	Cuculidae	3	3
<i>Cacatua pastinator</i>	Western Corella	PSITTACIFORMES	Cacatuidae	2	3
<i>Cacatua sanguinea</i>	Little Corella	PSITTACIFORMES	Cacatuidae	3	3
<i>Cacatua tenuirostris</i>	Long-billed Corella	PSITTACIFORMES	Cacatuidae	3	3

<i>Cacomantis variolosus</i>	Brush Cuckoo	CUCULIFORMES	Cuculidae	2	3
<i>Calyptorhynchus banksii</i>	Red-tailed Black-Cockatoo	PSITTACIFORMES	Cacatuidae	3	3
<i>Calyptorhynchus baudinii</i>	Baudin's Black-Cockatoo	PSITTACIFORMES	Cacatuidae	2	2
<i>Calamanthus campestris</i>	Rufous Fieldwren	PASSERIFORMES	Acanthizidae	1	1
<i>Callocephalon fimbriatum</i>	Gang-gang Cockatoo	PSITTACIFORMES	Cacatuidae	3	3
<i>Calamanthus fuliginosus</i>	Striated Fieldwren	PASSERIFORMES	Acanthizidae	3	3
<i>Calyptorhynchus funereus</i>	Yellow-tailed Black-Cockatoo	PSITTACIFORMES	Cacatuidae	3	2
<i>Calyptorhynchus lathami</i>	Glossy Black-Cockatoo	PSITTACIFORMES	Cacatuidae	3	3
<i>Calyptorhynchus latirostris</i>	Carnaby's Black-Cockatoo	PSITTACIFORMES	Cacatuidae	2	3
<i>Caprimulgus macrurus</i>	Large-tailed Nightjar	CAPRIMULGIFORMES	Caprimulgidae	1	2
<i>Carterornis leucotis</i>	White-eared Monarch	PASSERIFORMES	Monarchidae	1	3
<i>Casuarius casuarius</i>	Southern Cassowary	CASUARIIFORMES	Casuariidae	2	1
<i>Centropus phasianinus</i>	Pheasant Coucal	CUCULIFORMES	Cuculidae	2	3
<i>Cereopsis novaehollandiae</i>	Cape Barren Goose	ANSERIFORMES	Anatidae	1	2
<i>Certhionyx variegatus</i>	Pied Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Ceyx azureus</i>	Azure Kingfisher	CORACIIFORMES	Alcedinidae	3	3
<i>Ceyx pusilla</i>	Little Kingfisher	CORACIIFORMES	Alcedinidae	3	3
<i>Charadrius australis</i>	Inland Dotterel	CHARADRIIFORMES	Charadriidae	3	2
<i>Chalcites basalis</i>	Horsfield's Bronze-Cuckoo	CUCULIFORMES	Cuculidae	3	3
<i>Chalcophaps indica</i>	Emerald Dove	COLUMBIFORMES	Columbidae	3	3
<i>Chalcites lucidus</i>	Shining Bronze-Cuckoo	CUCULIFORMES	Cuculidae	3	3
<i>Chalcites minutillus</i>	Little Bronze-Cuckoo	CUCULIFORMES	Cuculidae	1	3
<i>Chalcites osculans</i>	Black-eared Cuckoo	CUCULIFORMES	Cuculidae	3	3
<i>Charadrius ruficapillus</i>	Red-capped Plover	CHARADRIIFORMES	Charadriidae	3	3
<i>Chenonetta jubata</i>	Australian Wood Duck	ANSERIFORMES	Anatidae	3	3
<i>Cheramoeca leucosterna</i>	White-backed Swallow	PASSERIFORMES	Hirundinidae	3	2
<i>Chlidonias hybrida</i>	Whiskered Tern	CHARADRIIFORMES	Laridae	3	3
<i>Chroicocephalus novaehollandiae</i>	Silver Gull	CHARADRIIFORMES	Laridae	3	3
<i>Chthonicola sagittata</i>	Speckled Warbler	PASSERIFORMES	Acanthizidae	6	6
<i>Cinlosoma castaneothorax</i>	Chestnut-breasted Quail-thrush	PASSERIFORMES	Psophodidae	1	1
<i>Cinlosoma castanotum</i>	Chestnut Quail-thrush	PASSERIFORMES	Psophodidae	1	2
<i>Cinlosoma cinnamomeum</i>	Cinnamon Quail-thrush	PASSERIFORMES	Psophodidae	1	2
<i>Cincloramphus cruralis</i>	Brown Songlark	PASSERIFORMES	Megaluridae	1	3
<i>Cincloramphus mathewsi</i>	Rufous Songlark	PASSERIFORMES	Megaluridae	1	3
<i>Cinlosoma punctatum</i>	Spotted Quail-thrush	PASSERIFORMES	Psophodidae	3	3
<i>Circus approximans</i>	Swamp Harrier	ACCIPITRIFORMES	Accipitridae	1	1
<i>Circus assimilis</i>	Spotted Harrier	ACCIPITRIFORMES	Accipitridae	2	3
<i>Cisticola exilis</i>	Golden-headed Cisticola	PASSERIFORMES	Cisticolidae	2	2
<i>Cisticola juncidis</i>	Zitting Cisticola	PASSERIFORMES	Cisticolidae	3	2
<i>Cissomela pectoralis</i>	Banded Honeyeater	PASSERIFORMES	Meliphagidae	2	3
<i>Cladorhynchus leucocephalus</i>	Banded Stilt	CHARADRIIFORMES	Recurvirostridae	3	3
<i>Climacteris affinis</i>	White-browed Treecreeper	PASSERIFORMES	Climacteridae	1	2
<i>Climacteris erythroptis</i>	Red-browed Treecreeper	PASSERIFORMES	Climacteridae	3	3
<i>Climacteris melanura</i>	Black-tailed Treecreeper	PASSERIFORMES	Climacteridae	3	2
<i>Climacteris picumnus</i>	Brown Treecreeper	PASSERIFORMES	Climacteridae	3	3
<i>Climacteris rufa</i>	Rufous Treecreeper	PASSERIFORMES	Climacteridae	2	3

<i>Colluricincla boweri</i>	Bower's Shrike-thrush	PASSERIFORMES	Pachycephalidae	2	3
<i>Colluricincla harmonica</i>	Grey Shrike-thrush	PASSERIFORMES	Pachycephalidae	2	3
<i>Columba leucomela</i>	White-headed Pigeon	COLUMBIFORMES	Columbidae	2	3
<i>Colluricincla megarhyncha</i>	Little Shrike-thrush	PASSERIFORMES	Pachycephalidae	3	3
<i>Colluricincla woodwardi</i>	Sandstone Shrike-thrush	PASSERIFORMES	Pachycephalidae	2	3
<i>Conopophila albogularis</i>	Rufous-banded Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Conopophila rufogularis</i>	Rufous-throated Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Conopophila whitei</i>	Grey Honeyeater	PASSERIFORMES	Meliphagidae	3	4
<i>Cormobates leucophaea</i>	White-throated Treecreeper	PASSERIFORMES	Climacteridae	3	3
<i>Coracina lineata</i>	Barred Cuckoo-shrike	PASSERIFORMES	Campephagidae	2	3
<i>Coracina maxima</i>	Ground Cuckoo-shrike	PASSERIFORMES	Campephagidae	1	1
<i>Coracina novaehollandiae</i>	Black-faced Cuckoo-shrike	PASSERIFORMES	Campephagidae	3	3
<i>Coracina papuensis</i>	White-bellied Cuckoo-shrike	PASSERIFORMES	Campephagidae	1	1
<i>Coracina tenuirostris</i>	Cicadabird	PASSERIFORMES	Campephagidae	2	3
<i>Corcorax melanorhamphos</i>	White-winged Cough	PASSERIFORMES	Corcoracidae	3	3
<i>Corvus bennetti</i>	Little Crow	PASSERIFORMES	Corvidae	2	3
<i>Corvus coronoides</i>	Australian Raven	PASSERIFORMES	Corvidae	3	3
<i>Corvus mellori</i>	Little Raven	PASSERIFORMES	Corvidae	3	3
<i>Corvus orru</i>	Torresian Crow	PASSERIFORMES	Corvidae	3	3
<i>Corvus tasmanicus</i>	Forest Raven	PASSERIFORMES	Corvidae	2	2
<i>Coturnix pectoralis</i>	Stubble Quail	GALLIFORMES	Phasianidae	3	3
<i>Coturnix ypsilophora</i>	Brown Quail	GALLIFORMES	Phasianidae	3	3
<i>Cracticus mentalis</i>	Black-backed Butcherbird	PASSERIFORMES	Artamidae	2	2
<i>Cracticus nigrogularis</i>	Pied Butcherbird	PASSERIFORMES	Artamidae	1	3
<i>Cracticus quoyi</i>	Black Butcherbird	PASSERIFORMES	Artamidae	3	3
<i>Cracticus tibicen</i>	Australian Magpie	PASSERIFORMES	Artamidae	3	3
<i>Cracticus torquatus</i>	Grey Butcherbird	PASSERIFORMES	Artamidae	2	3
<i>Cyclopsitta diophthalma</i>	Double-eyed Fig-Parrot	PSITTACIFORMES	Psittacidae	0	1
<i>Cygnus atratus</i>	Black Swan	ANSERIFORMES	Anatidae	1	0
<i>Dacelo leachii</i>	Blue-winged Kookaburra	CORACIIFORMES	Halcyonidae	3	3
<i>Dacelo novaeguineae</i>	Laughing Kookaburra	CORACIIFORMES	Halcyonidae	3	3
<i>Daphoenositta chrysoptera</i>	Varied Sittella	PASSERIFORMES	Neosittidae	3	3
<i>Dasyornis brachypterus</i>	Eastern Bristlebird	PASSERIFORMES	Dasyornithidae	2	3
<i>Dasyornis broadbenti</i>	Rufous Bristlebird	PASSERIFORMES	Dasyornithidae	1	3
<i>Dasyornis longirostris</i>	Western Bristlebird	PASSERIFORMES	Dasyornithidae	1	1
<i>Dendrocygna arcuata</i>	Wandering Whistling-Duck	ANSERIFORMES	Anatidae	1	2
<i>Dendrocygna eytoni</i>	Plumed Whistling-Duck	ANSERIFORMES	Anatidae	3	2
<i>Dicrurus bracteatus</i>	Spangled Drongo	PASSERIFORMES	Dicruridae	3	2
<i>Dicaeum hirundinaceum</i>	Mistletoebird	PASSERIFORMES	Nectariniidae	3	3
<i>Dromaius novaehollandiae</i>	Emu	CASUARIIFORMES	Casuariidae	2	0
<i>Drymodes brunneopygia</i>	Southern Scrub-robin	PASSERIFORMES	Petroicidae	2	3
<i>Drymodes superciliosus</i>	Northern Scrub-robin	PASSERIFORMES	Petroicidae	0	4
<i>Ducula bicolor</i>	Pied Imperial-Pigeon	COLUMBIFORMES	Columbidae	3	3
<i>Eclectus roratus</i>	Eclectus Parrot	PSITTACIFORMES	Psittacidae	3	3
<i>Ardea alba</i>	Great Egret	CICONIIFORMES	Ardeidae	1	3
<i>Egretta garzetta</i>	Little Egret	CICONIIFORMES	Ardeidae	1	2

<i>Egretta novaehollandiae</i>	White-faced Heron	CICONIIFORMES	Ardeidae	3	3
<i>Egretta picata</i>	Pied Heron	CICONIIFORMES	Ardeidae	3	3
<i>Egretta sacra</i>	Eastern Reef Egret	CICONIIFORMES	Ardeidae	3	2
<i>Elanus axillaris</i>	Black-shouldered Kite	ACCIPITRIFORMES	Accipitridae	3	3
<i>Elanus scriptus</i>	Letter-winged Kite	ACCIPITRIFORMES	Accipitridae	3	2
<i>Elsyornis melanops</i>	Black-fronted Dotterel	CHARADRIIFORMES	Charadriidae	3	3
<i>Emblema pictum</i>	Painted Finch	PASSERIFORMES	Estrildidae	3	3
<i>Entomyzon cyanotis</i>	Blue-faced Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Eolophus roseicapillus</i>	Galah	PSITTACIFORMES	Cacatuidae	3	3
<i>Eopsaltria australis</i>	Eastern Yellow Robin	PASSERIFORMES	Petroicidae	3	3
<i>Eopsaltria georgiana</i>	White-breasted Robin	PASSERIFORMES	Petroicidae	2	2
<i>Eopsaltria griseogularis</i>	Western Yellow Robin	PASSERIFORMES	Petroicidae	2	3
<i>Ephippiorhynchus asiaticus</i>	Black-necked Stork	CICONIIFORMES	Ciconiidae	1	0
<i>Epthianura albifrons</i>	White-fronted Chat	PASSERIFORMES	Meliphagidae	3	3
<i>Epthianura aurifrons</i>	Orange Chat	PASSERIFORMES	Meliphagidae	3	3
<i>Epthianura crocea</i>	Yellow Chat	PASSERIFORMES	Meliphagidae	2	2
<i>Epthianura tricolor</i>	Crimson Chat	PASSERIFORMES	Meliphagidae	3	3
<i>Eremiornis carteri</i>	Spinifexbird	PASSERIFORMES	Megaluridae	2	3
<i>Erythrogonys cinctus</i>	Red-kneed Dotterel	CHARADRIIFORMES	Charadriidae	3	3
<i>Erythrura gouldiae</i>	Gouldian Finch	PASSERIFORMES	Estrildidae	3	3
<i>Erythrotriorchis radiatus</i>	Red Goshawk	ACCIPITRIFORMES	Accipitridae	3	3
<i>Erythrura trichroa</i>	Blue-faced Parrot-Finch	PASSERIFORMES	Estrildidae	1	1
<i>Esacus magnirostris</i>	Beach Stone-curlew	CHARADRIIFORMES	Burhinidae	1	1
<i>Eudynamys scolopaceus</i>	Asian Koel	CUCULIFORMES	Cuculidae	3	3
<i>Eulabeornis castaneoventris</i>	Chestnut Rail	GRUIFORMES	Rallidae	3	1
<i>Eurostopodus argus</i>	Spotted Nightjar	CAPRIMULGIFORMES	Eurostopodidae	3	3
<i>Eurostopodus mystacalis</i>	White-throated Nightjar	CAPRIMULGIFORMES	Eurostopodidae	2	2
<i>Eurystomus orientalis</i>	Dollarbird	CORACIIFORMES	Coraciidae	3	3
<i>Excalfactoria chinensis</i>	King Quail	GALLIFORMES	Phasianidae	3	3
<i>Falco berigora</i>	Brown Falcon	FALCONIFORMES	Falconidae	3	3
<i>Falco cenchroides</i>	Nankeen Kestrel	FALCONIFORMES	Falconidae	3	3
<i>Falcunculus frontatus</i>	Crested Shrike-tit	PASSERIFORMES	Pachycephalidae	3	3
<i>Falco hypoleucos</i>	Grey Falcon	FALCONIFORMES	Falconidae	1	3
<i>Falco longipennis</i>	Australian Hobby	FALCONIFORMES	Falconidae	3	3
<i>Falco peregrinus</i>	Peregrine Falcon	FALCONIFORMES	Falconidae	3	3
<i>Falco subniger</i>	Black Falcon	FALCONIFORMES	Falconidae	2	3
<i>Fulica atra</i>	Eurasian Coot	GRUIFORMES	Rallidae	3	3
<i>Gallirallus philippensis</i>	Buff-banded Rail	GRUIFORMES	Rallidae	3	3
<i>Gallinula tenebrosa</i>	Dusky Moorhen	GRUIFORMES	Rallidae	3	3
<i>Gelochelidon nilotica</i>	Gull-billed Tern	CHARADRIIFORMES	Laridae	1	3
<i>Geopelia cuneata</i>	Diamond Dove	COLUMBIFORMES	Columbidae	3	3
<i>Geoffroyus geoffroyi</i>	Red-cheeked Parrot	PSITTACIFORMES	Psittacidae	2	2
<i>Geopelia humeralis</i>	Bar-shouldered Dove	COLUMBIFORMES	Columbidae	3	3
<i>Geophaps plumifera</i>	Spinifex Pigeon	COLUMBIFORMES	Columbidae	3	3
<i>Geophaps scripta</i>	Squatter Pigeon	COLUMBIFORMES	Columbidae	2	2
<i>Geophaps smithii</i>	Partridge Pigeon	COLUMBIFORMES	Columbidae	2	3

<i>Geopelia striata</i>	Peaceful Dove	COLUMBIFORMES	Columbidae	3	3
<i>Gerygone albugularis</i>	White-throated Gerygone	PASSERIFORMES	Acanthizidae	3	2
<i>Gerygone chloronota</i>	Green-backed Gerygone	PASSERIFORMES	Acanthizidae	1	3
<i>Gerygone fusca</i>	Western Gerygone	PASSERIFORMES	Acanthizidae	2	2
<i>Gerygone levigaster</i>	Mangrove Gerygone	PASSERIFORMES	Acanthizidae	3	1
<i>Gerygone magnirostris</i>	Large-billed Gerygone	PASSERIFORMES	Acanthizidae	2	2
<i>Gerygone mouki</i>	Brown Gerygone	PASSERIFORMES	Acanthizidae	2	2
<i>Gerygone palpebrosa</i>	Fairy Gerygone	PASSERIFORMES	Acanthizidae	1	3
<i>Gerygone tenebrosa</i>	Dusky Gerygone	PASSERIFORMES	Acanthizidae	3	3
<i>Glossopsitta concinna</i>	Musk Lorikeet	PSITTACIFORMES	Psittacidae	3	3
<i>Glossopsitta porphyrocephala</i>	Purple-crowned Lorikeet	PSITTACIFORMES	Psittacidae	3	3
<i>Glossopsitta pusilla</i>	Little Lorikeet	PSITTACIFORMES	Psittacidae	2	3
<i>Glycichaera fallax</i>	Green-backed Honeyeater	PASSERIFORMES	Meliphagidae	2	2
<i>Glyciphila melanops</i>	Tawny-crowned Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Grallina cyanoleuca</i>	Magpie-lark	PASSERIFORMES	Monarchidae	3	3
<i>Grantiella picta</i>	Painted Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Grus antigone</i>	Sarus Crane	GRUIFORMES	Gruidae	3	2
<i>Grus rubicunda</i>	Brolga	GRUIFORMES	Gruidae	2	3
<i>Haematopus fuliginosus</i>	Sooty Oystercatcher	CHARADRIIFORMES	Haematopodidae	1	3
<i>Haematopus longirostris</i>	Australian Pied Oystercatcher	CHARADRIIFORMES	Haematopodidae	3	2
<i>Haliastur indus</i>	Brahminy Kite	ACCIPITRIFORMES	Accipitridae	2	1
<i>Haliaeetus leucogaster</i>	White-bellied Sea-Eagle	ACCIPITRIFORMES	Accipitridae	3	1
<i>Haliastur spheurnus</i>	Whistling Kite	ACCIPITRIFORMES	Accipitridae	2	3
<i>Hamirostra melanosternon</i>	Black-breasted Buzzard	ACCIPITRIFORMES	Accipitridae	2	2
<i>Heteromyias cinereifrons</i>	Grey-headed Robin	PASSERIFORMES	Petroicidae	3	3
<i>Heteromunia pectoralis</i>	Pictorella Mannikin	PASSERIFORMES	Estrildidae	3	3
<i>Hieraaetus morphnoides</i>	Little Eagle	ACCIPITRIFORMES	Accipitridae	3	2
<i>Himantopus himantopus</i>	Black-winged Stilt	CHARADRIIFORMES	Recurvirostridae	3	1
<i>Hirundo neoxena</i>	Welcome Swallow	PASSERIFORMES	Hirundinidae	3	3
<i>Hydroprogne caspia</i>	Caspian Tern	CHARADRIIFORMES	Laridae	1	2
<i>Hylacola cauta</i>	Shy Heathwren	PASSERIFORMES	Acanthizidae	2	3
<i>Hylacola pyrrhopygia</i>	Chestnut-rumped Heathwren	PASSERIFORMES	Acanthizidae	3	3
<i>Irediparra gallinacea</i>	Comb-crested Jacana	CHARADRIIFORMES	Jacanidae	3	1
<i>Ixobrychus dubius</i>	Australian Little Bittern	CICONIIFORMES	Ardeidae	2	3
<i>Ixobrychus flavicollis</i>	Black Bittern	CICONIIFORMES	Ardeidae	1	2
<i>Lalage leucomela</i>	Varied Triller	PASSERIFORMES	Campephagidae	3	3
<i>Lalage sueurii</i>	White-winged Triller	PASSERIFORMES	Campephagidae	2	3
<i>Larus dominicanus</i>	Kelp Gull	CHARADRIIFORMES	Laridae	3	3
<i>Larus pacificus</i>	Pacific Gull	CHARADRIIFORMES	Laridae	1	3
<i>Lathamus discolor</i>	Swift Parrot	PSITTACIFORMES	Psittacidae	3	3
<i>Leipoa ocellata</i>	Malleefowl	GALLIFORMES	Megapodiidae	1	1
<i>Leucosarcia picata</i>	Wonga Pigeon	COLUMBIFORMES	Columbidae	2	2
<i>Lewinia pectoralis</i>	Lewin's Rail	GRUIFORMES	Rallidae	3	3
<i>Lichenostomus chrysops</i>	Yellow-faced Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus cratitius</i>	Purple-gaped Honeyeater	PASSERIFORMES	Meliphagidae	3	3

<i>Lichenostomus fasciogularis</i>	Mangrove Honeyeater	PASSERIFORMES	Meliphagidae	1	1
<i>Lichenostomus flavescens</i>	Yellow-tinted Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus flavicollis</i>	Yellow-throated Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus flavus</i>	Yellow Honeyeater	PASSERIFORMES	Meliphagidae	3	2
<i>Lichenostomus frenatus</i>	Bridled Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus fuscus</i>	Fuscous Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus hindwoodi</i>	Eungella Honeyeater	PASSERIFORMES	Meliphagidae	2	1
<i>Lichmera indistincta</i>	Brown Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus keartlandi</i>	Grey-headed Honeyeater	PASSERIFORMES	Meliphagidae	2	1
<i>Lichenostomus leucotis</i>	White-eared Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus melanops</i>	Yellow-tufted Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus ornatus</i>	Yellow-plumed Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus penicillatus</i>	White-plumed Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus plumulus</i>	Grey-fronted Honeyeater	PASSERIFORMES	Meliphagidae	2	3
<i>Lichenostomus unicolor</i>	White-gaped Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lichenostomus versicolor</i>	Varied Honeyeater	PASSERIFORMES	Meliphagidae	3	4
<i>Lichenostomus virescens</i>	Singing Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Lonchura castaneothorax</i>	Chestnut-breasted Mannikin	PASSERIFORMES	Estrildidae	3	3
<i>Lonchura flaviprymna</i>	Yellow-rumped Mannikin	PASSERIFORMES	Estrildidae	1	2
<i>Lopholaimus antarcticus</i>	Topknot Pigeon	COLUMBIFORMES	Columbidae	3	3
<i>Lophoictinia isura</i>	Square-tailed Kite	ACCIPITRIFORMES	Accipitridae	1	3
<i>Lophochroa leadbeateri</i>	Major Mitchell's Cockatoo	PSITTACIFORMES	Cacatuidae	3	3
<i>Macropygia amboinensis</i>	Brown Cuckoo-Dove	COLUMBIFORMES	Columbidae	1	3
<i>Machaerirhynchus flaviventer</i>	Yellow-breasted Boatbill	PASSERIFORMES	Monarchidae	1	3
<i>Malurus amabilis</i>	Lovely Fairy-wren	PASSERIFORMES	Maluridae	2	3
<i>Malurus coronatus</i>	Purple-crowned Fairy-wren	PASSERIFORMES	Maluridae	3	2
<i>Malurus cyaneus</i>	Superb Fairy-wren	PASSERIFORMES	Maluridae	3	3
<i>Malurus elegans</i>	Red-winged Fairy-wren	PASSERIFORMES	Maluridae	2	3
<i>Malurus lamberti</i>	Variiegated Fairy-wren	PASSERIFORMES	Maluridae	2	3
<i>Malurus leucopterus</i>	White-winged Fairy-wren	PASSERIFORMES	Maluridae	3	3
<i>Malurus melanocephalus</i>	Red-backed Fairy-wren	PASSERIFORMES	Maluridae	3	3
<i>Malacorhynchus membranaceus</i>	Pink-eared Duck	ANSERIFORMES	Anatidae	2	3
<i>Malurus pulcherrimus</i>	Blue-breasted Fairy-wren	PASSERIFORMES	Maluridae	2	3
<i>Malurus splendens</i>	Splendid Fairy-wren	PASSERIFORMES	Maluridae	2	3
<i>Manorina flavigula</i>	Yellow-throated Miner	PASSERIFORMES	Meliphagidae	3	3
<i>Manorina melanocephala</i>	Noisy Miner	PASSERIFORMES	Meliphagidae	3	3
<i>Manorina melanophrys</i>	Bell Miner	PASSERIFORMES	Meliphagidae	3	3
<i>Manorina melanotis</i>	Black-eared Miner	PASSERIFORMES	Meliphagidae	1	2
<i>Megalurus gramineus</i>	Little Grassbird	PASSERIFORMES	Megaluridae	2	3
<i>Megapodius reinwardt</i>	Orange-footed Scrubfowl	GALLIFORMES	Megapodiidae	2	3
<i>Megalurus timoriensis</i>	Tawny Grassbird	PASSERIFORMES	Megaluridae	1	1
<i>Melithreptus affinis</i>	Black-headed Honeyeater	PASSERIFORMES	Meliphagidae	3	1
<i>Meliphaga albilineata</i>	White-lined Honeyeater	PASSERIFORMES	Meliphagidae	1	1
<i>Melithreptus albugularis</i>	White-throated Honeyeater	PASSERIFORMES	Meliphagidae	1	3
<i>Melithreptus brevirostris</i>	Brown-headed Honeyeater	PASSERIFORMES	Meliphagidae	2	3
<i>Melanodryas cucullata</i>	Hooded Robin	PASSERIFORMES	Petroicidae	3	3

<i>Meliphaga gracilis</i>	Graceful Honeyeater	PASSERIFORMES	Meliphagidae	1	3
<i>Melithreptus gularis</i>	Black-chinned Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Meliphaga lewinii</i>	Lewin's Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Melithreptus lunatus</i>	White-naped Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Meliphaga notata</i>	Yellow-spotted Honeyeater	PASSERIFORMES	Meliphagidae	2	3
<i>Melopsittacus undulatus</i>	Budgerigar	PSITTACIFORMES	Psittacidae	3	3
<i>Melithreptus validirostris</i>	Strong-billed Honeyeater	PASSERIFORMES	Meliphagidae	1	3
<i>Melanodryas vittata</i>	Dusky Robin	PASSERIFORMES	Petroicidae	2	2
<i>Menura alberti</i>	Albert's Lyrebird	PASSERIFORMES	Menuridae	2	2
<i>Menura novaehollandiae</i>	Superb Lyrebird	PASSERIFORMES	Menuridae	3	3
<i>Merops ornatus</i>	Rainbow Bee-eater	CORACIIFORMES	Meropidae	3	3
<i>Microeca fascians</i>	Jacky Winter	PASSERIFORMES	Petroicidae	1	2
<i>Microeca flavigaster</i>	Lemon-bellied Flycatcher	PASSERIFORMES	Petroicidae	3	3
<i>Microeca griseiceps</i>	Yellow-legged Flycatcher	PASSERIFORMES	Petroicidae	1	2
<i>Microcarbo melanoleucos</i>	Little Pied Cormorant	PHALACROCORACIFORMES	Phalacrocoracidae	3	3
<i>Milvus migrans</i>	Black Kite	ACCIPITRIFORMES	Accipitridae	3	3
<i>Mirafra javanica</i>	Horsfield's Bushlark	PASSERIFORMES	Alaudidae	2	3
<i>Monarcha frater</i>	Black-winged Monarch	PASSERIFORMES	Monarchidae	3	2
<i>Monarcha melanopsis</i>	Black-faced Monarch	PASSERIFORMES	Monarchidae	2	3
<i>Myiagra alecto</i>	Shining Flycatcher	PASSERIFORMES	Monarchidae	3	3
<i>Myiagra cyanoleuca</i>	Satin Flycatcher	PASSERIFORMES	Monarchidae	3	3
<i>Myiagra inquieta</i>	Restless Flycatcher	PASSERIFORMES	Monarchidae	1	3
<i>Myiagra rubecula</i>	Leaden Flycatcher	PASSERIFORMES	Monarchidae	2	3
<i>Myiagra ruficollis</i>	Broad-billed Flycatcher	PASSERIFORMES	Monarchidae	1	2
<i>Myzomela erythrocephala</i>	Red-headed Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Myzomela obscura</i>	Dusky Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Myzomela sanguinolenta</i>	Scarlet Honeyeater	PASSERIFORMES	Meliphagidae	1	3
<i>Nectarinia jugularis</i>	Olive-backed Sunbird	PASSERIFORMES	Nectariniidae	3	3
<i>Neopsephotus bourkii</i>	Bourke's Parrot	PSITTACIFORMES	Psittacidae	2	2
<i>Neophema chrysogaster</i>	Orange-bellied Parrot	PSITTACIFORMES	Psittacidae	0	2
<i>Neophema chrysostoma</i>	Blue-winged Parrot	PSITTACIFORMES	Psittacidae	3	3
<i>Neophema elegans</i>	Elegant Parrot	PSITTACIFORMES	Psittacidae	1	3
<i>Neochmia modesta</i>	Plum-headed Finch	PASSERIFORMES	Estrildidae	2	2
<i>Neophema petrophila</i>	Rock Parrot	PSITTACIFORMES	Psittacidae	2	2
<i>Neochmia phaeton</i>	Crimson Finch	PASSERIFORMES	Estrildidae	2	3
<i>Neophema pulchella</i>	Turquoise Parrot	PSITTACIFORMES	Psittacidae	3	1
<i>Neochmia ruficauda</i>	Star Finch	PASSERIFORMES	Estrildidae	2	1
<i>Neophema splendida</i>	Scarlet-chested Parrot	PSITTACIFORMES	Psittacidae	3	3
<i>Neochmia temporalis</i>	Red-browed Finch	PASSERIFORMES	Estrildidae	2	3
<i>Nettapus coromandelianus</i>	Cotton Pygmy-goose	ANSERIFORMES	Anatidae	2	3
<i>Nettapus pulchellus</i>	Green Pygmy-goose	ANSERIFORMES	Anatidae	3	3
<i>Ninox connivens</i>	Barking Owl	STRIGIFORMES	Strigidae	3	1
<i>Ninox novaeseelandiae</i>	Southern Boobook	STRIGIFORMES	Strigidae	3	3
<i>Ninox rufa</i>	Rufous Owl	STRIGIFORMES	Strigidae	3	3
<i>Ninox strenua</i>	Powerful Owl	STRIGIFORMES	Strigidae	3	3
<i>Northiella haematogaster</i>	Blue Bonnet	PSITTACIFORMES	Psittacidae	3	3

<i>Nycticorax caledonicus</i>	Nankeen Night-Heron	CICONIIFORMES	Ardeidae	1	3
<i>Nymphicus hollandicus</i>	Cockatiel	PSITTACIFORMES	Cacatuidae	3	3
<i>Ocyphaps lophotes</i>	Crested Pigeon	COLUMBIFORMES	Columbidae	3	3
<i>Oreoica gutturalis</i>	Crested Bellbird	PASSERIFORMES	Pachycephalidae	3	3
<i>Oreoscopus gutturalis</i>	Fernwren	PASSERIFORMES	Acanthizidae	1	2
<i>Oriolus flavocinctus</i>	Yellow Oriole	PASSERIFORMES	Oriolidae	3	3
<i>Oriolus sagittatus</i>	Olive-backed Oriole	PASSERIFORMES	Oriolidae	3	3
<i>Origma solitaria</i>	Rockwarbler	PASSERIFORMES	Acanthizidae	3	1
<i>Orthonyx spaldingii</i>	Chowchilla	PASSERIFORMES	Orthonychidae	2	2
<i>Orthonyx temminckii</i>	Australian Logrunner	PASSERIFORMES	Orthonychidae	3	3
<i>Oxyura australis</i>	Blue-billed Duck	ANSERIFORMES	Anatidae	3	3
<i>Pachycephala inornata</i>	Gilbert's Whistler	PASSERIFORMES	Pachycephalidae	3	3
<i>Pachycephala lanioides</i>	White-breasted Whistler	PASSERIFORMES	Pachycephalidae	3	3
<i>Pachycephala melanura</i>	Mangrove Golden Whistler	PASSERIFORMES	Pachycephalidae	2	3
<i>Pachycephala olivacea</i>	Olive Whistler	PASSERIFORMES	Pachycephalidae	3	3
<i>Pachycephala pectoralis</i>	Golden Whistler	PASSERIFORMES	Pachycephalidae	2	3
<i>Pachycephala rufiventris</i>	Rufous Whistler	PASSERIFORMES	Pachycephalidae	3	3
<i>Pachycephala rufogularis</i>	Red-lore Whistler	PASSERIFORMES	Pachycephalidae	1	3
<i>Pachycephala simplex</i>	Grey Whistler	PASSERIFORMES	Pachycephalidae	2	1
<i>Pandion cristatus</i>	Eastern Osprey	ACCIPITRIFORMES	Accipitridae	1	2
<i>Pardalotus punctatus</i>	Spotted Pardalote	PASSERIFORMES	Pardalotidae	3	3
<i>Pardalotus quadragintus</i>	Forty-spotted Pardalote	PASSERIFORMES	Pardalotidae	2	2
<i>Pardalotus rubricatus</i>	Red-browed Pardalote	PASSERIFORMES	Pardalotidae	3	3
<i>Pardalotus striatus</i>	Striated Pardalote	PASSERIFORMES	Pardalotidae	3	3
<i>Pedionomus torquatus</i>	Plains-wanderer	CHARADRIIFORMES	Pedionomidae	3	3
<i>Pelecanus conspicillatus</i>	Australian Pelican	CICONIIFORMES	Pelecanidae	0	3
<i>Peneonanthe pulverulenta</i>	Mangrove Robin	PASSERIFORMES	Petroicidae	3	2
<i>Petrophassa albipennis</i>	White-quilled Rock-Pigeon	COLUMBIFORMES	Columbidae	1	2
<i>Petrochelidon ariel</i>	Fairy Martin	PASSERIFORMES	Hirundinidae	2	3
<i>Petroica boodang</i>	Scarlet Robin	PASSERIFORMES	Petroicidae	3	3
<i>Petroica goodenovii</i>	Red-capped Robin	PASSERIFORMES	Petroicidae	3	3
<i>Petrochelidon nigricans</i>	Tree Martin	PASSERIFORMES	Hirundinidae	2	3
<i>Petroica phoenicea</i>	Flame Robin	PASSERIFORMES	Petroicidae	3	3
<i>Petroica rodinogaster</i>	Pink Robin	PASSERIFORMES	Petroicidae	1	3
<i>Petroica rosea</i>	Rose Robin	PASSERIFORMES	Petroicidae	3	3
<i>Petrophassa rufipennis</i>	Chestnut-quilled Rock-Pigeon	COLUMBIFORMES	Columbidae	3	3
<i>Pezoporus wallicus</i>	Ground Parrot	PSITTACIFORMES	Psittacidae	2	2
<i>Phalacrocorax carbo</i>	Great Cormorant	PHALACROCORACIFORMES	Phalacrocoracidae	3	3
<i>Phaps chalcoptera</i>	Common Bronzewing	COLUMBIFORMES	Columbidae	3	3
<i>Phaps elegans</i>	Brush Bronzewing	COLUMBIFORMES	Columbidae	3	3
<i>Phalacrocorax fuscescens</i>	Black-faced Cormorant	PHALACROCORACIFORMES	Phalacrocoracidae	3	2
<i>Phaps histrionica</i>	Flock Bronzewing	COLUMBIFORMES	Columbidae	1	3
<i>Phalacrocorax sulcirostris</i>	Little Black Cormorant	PHALACROCORACIFORMES	Phalacrocoracidae	2	3
<i>Phalacrocorax varius</i>	Pied Cormorant	PHALACROCORACIFORMES	Phalacrocoracidae	3	3
<i>Philemon argenteiceps</i>	Silver-crowned Friarbird	PASSERIFORMES	Meliphagidae	2	1

<i>Philemon buceroides</i>	Helmeted Friarbird	PASSERIFORMES	Meliphagidae	3	3
<i>Philemon citreogularis</i>	Little Friarbird	PASSERIFORMES	Meliphagidae	1	3
<i>Philemon corniculatus</i>	Noisy Friarbird	PASSERIFORMES	Meliphagidae	1	3
<i>Phonygammus keraudrenii</i>	Trumpet Manucode	PASSERIFORMES	Paradisaeidae	1	3
<i>Phylidonyris niger</i>	White-cheeked Honeyeater	PASSERIFORMES	Meliphagidae	3	2
<i>Phylidonyris novaehollandiae</i>	New Holland Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Phylidonyris pyrrhopterus</i>	Crescent Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Pitta erythrogaster</i>	Red-bellied Pitta	PASSERIFORMES	Pittidae	0	3
<i>Pitta iris</i>	Rainbow Pitta	PASSERIFORMES	Pittidae	3	3
<i>Pitta versicolor</i>	Noisy Pitta	PASSERIFORMES	Pittidae	2	1
<i>Platycercus adscitus</i>	Pale-headed Rosella	PSITTACIFORMES	Psittacidae	3	3
<i>Platycercus caledonicus</i>	Green Rosella	PSITTACIFORMES	Psittacidae	3	2
<i>Platycercus elegans</i>	Crimson Rosella	PSITTACIFORMES	Psittacidae	3	3
<i>Platycercus eximius</i>	Eastern Rosella	PSITTACIFORMES	Psittacidae	3	3
<i>Platalea flavipes</i>	Yellow-billed Spoonbill	CICONIIFORMES	Threskiornithidae	1	1
<i>Platycercus icterotis</i>	Western Rosella	PSITTACIFORMES	Psittacidae	3	3
<i>Platalea regia</i>	Royal Spoonbill	CICONIIFORMES	Threskiornithidae	2	0
<i>Platycercus venustus</i>	Northern Rosella	PSITTACIFORMES	Psittacidae	3	3
<i>Plegadis falcinellus</i>	Glossy Ibis	CICONIIFORMES	Threskiornithidae	1	1
<i>Plectorhyncha lanceolata</i>	Striped Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Podiceps cristatus</i>	Great Crested Grebe	PODICIPEDIFORMES	Podicipedidae	3	3
<i>Podargus ocellatus</i>	Marbled Frogmouth	CAPRIMULGIFORMES	Podargidae	1	2
<i>Podargus papuensis</i>	Papuan Frogmouth	CAPRIMULGIFORMES	Podargidae	2	3
<i>Podargus strigoides</i>	Tawny Frogmouth	CAPRIMULGIFORMES	Podargidae	3	3
<i>Poephila acuticauda</i>	Long-tailed Finch	PASSERIFORMES	Estrildidae	3	3
<i>Poecilodryas cerviniventris</i>	Buff-sided Robin	PASSERIFORMES	Petroicidae	2	1
<i>Poephila cincta</i>	Black-throated Finch	PASSERIFORMES	Estrildidae	3	3
<i>Poephila personata</i>	Masked Finch	PASSERIFORMES	Estrildidae	1	1
<i>Poecilodryas superciliosa</i>	White-browed Robin	PASSERIFORMES	Petroicidae	2	2
<i>Polytelis alexandrae</i>	Princess Parrot	PSITTACIFORMES	Psittacidae	1	4
<i>Polytelis anthopeplus</i>	Regent Parrot	PSITTACIFORMES	Psittacidae	3	2
<i>Poliocephalus poliocephalus</i>	Hoary-headed Grebe	PODICIPEDIFORMES	Podicipedidae	2	3
<i>Polytelis swainsonii</i>	Superb Parrot	PSITTACIFORMES	Psittacidae	2	3
<i>Pomatostomus halli</i>	Hall's Babbler	PASSERIFORMES	Pomatostomidae	2	2
<i>Pomatostomus ruficeps</i>	Chestnut-crowned Babbler	PASSERIFORMES	Pomatostomidae	2	2
<i>Pomatostomus superciliosus</i>	White-browed Babbler	PASSERIFORMES	Pomatostomidae	3	3
<i>Pomatostomus temporalis</i>	Grey-crowned Babbler	PASSERIFORMES	Pomatostomidae	3	3
<i>Porzana fluminea</i>	Australian Spotted Crane	GRUIFORMES	Rallidae	3	3
<i>Porphyrio porphyrio</i>	Purple Swamphen	GRUIFORMES	Rallidae	3	3
<i>Porzana pusilla</i>	Baillon's Crane	GRUIFORMES	Rallidae	2	3
<i>Porzana tabuensis</i>	Spotless Crane	GRUIFORMES	Rallidae	3	3
<i>Probosciger aterrimus</i>	Palm Cockatoo	PSITTACIFORMES	Cacatuidae	1	2
<i>Psephotus chrysopterygius</i>	Golden-shouldered Parrot	PSITTACIFORMES	Psittacidae	1	1
<i>Psephotus dissimilis</i>	Hooded Parrot	PSITTACIFORMES	Psittacidae	1	3

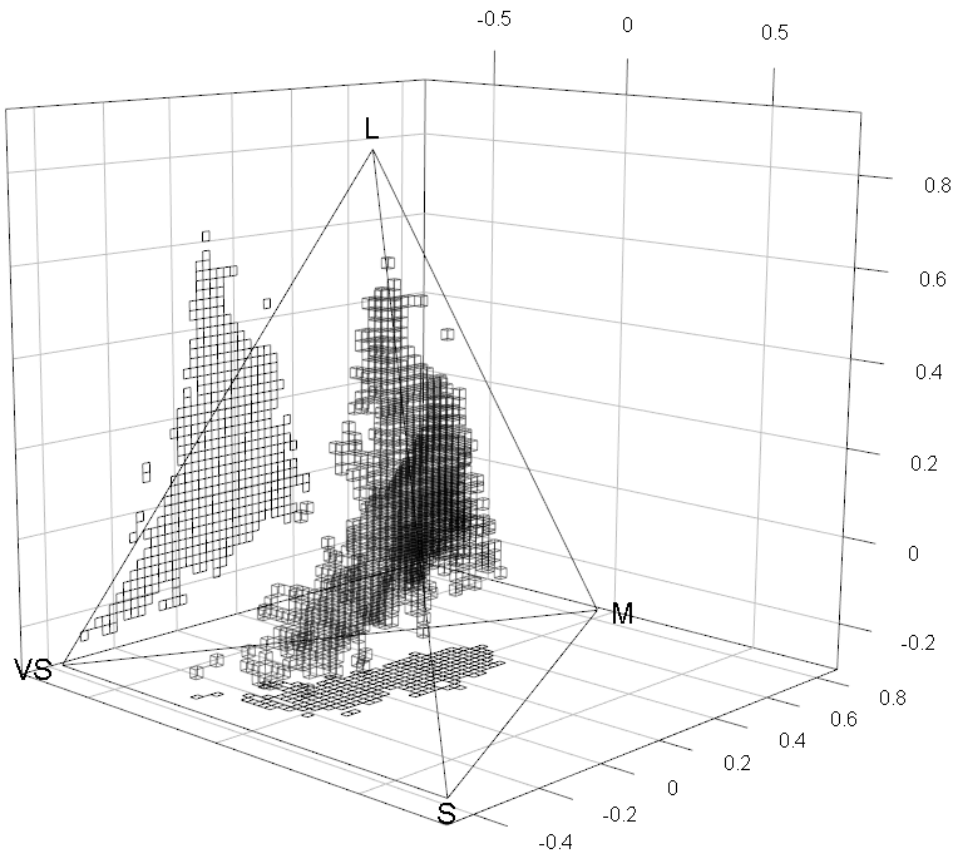
<i>Psephotus haematonotus</i>	Red-rumped Parrot	PSITTACIFORMES	Psittacidae	3	3
<i>Psephotus varius</i>	Mulga Parrot	PSITTACIFORMES	Psittacidae	3	3
<i>Psitteuteles versicolor</i>	Varied Lorikeet	PSITTACIFORMES	Psittacidae	3	3
<i>Psophodes cristatus</i>	Chirruping Wedgebill	PASSERIFORMES	Psophodidae	2	1
<i>Psophodes nigrogularis</i>	Western Whipbird	PASSERIFORMES	Psophodidae	0	2
<i>Psophodes occidentalis</i>	Chiming Wedgebill	PASSERIFORMES	Psophodidae	1	1
<i>Psophodes olivaceus</i>	Eastern Whipbird	PASSERIFORMES	Psophodidae	3	3
<i>Ptilonorhynchus cerviniventris</i>	Fawn-breasted Bowerbird	PASSERIFORMES	Ptilonorhynchid ae	2	1
<i>Ptilinopus cinctus</i>	Banded Fruit-Dove	COLUMBIFORMES	Columbidae	3	3
<i>Ptilonorhynchus guttatus</i>	Western Bowerbird	PASSERIFORMES	Ptilonorhynchid ae	3	3
<i>Ptilonorhynchus maculatus</i>	Spotted Bowerbird	PASSERIFORMES	Ptilonorhynchid ae	3	3
<i>Ptiloris magnificus</i>	Magnificent Riflebird	PASSERIFORMES	Paradisaeidae	1	3
<i>Ptilonorhynchus nuchalis</i>	Great Bowerbird	PASSERIFORMES	Ptilonorhynchid ae	2	3
<i>Ptiloris paradiseus</i>	Paradise Riflebird	PASSERIFORMES	Paradisaeidae	2	2
<i>Ptilinopus regina</i>	Rose-crowned Fruit-Dove	COLUMBIFORMES	Columbidae	3	3
<i>Ptilinopus superbus</i>	Superb Fruit-Dove	COLUMBIFORMES	Columbidae	2	3
<i>Ptiloris victoriae</i>	Victoria's Riflebird	PASSERIFORMES	Paradisaeidae	3	3
<i>Ptilonorhynchus violaceus</i>	Satin Bowerbird	PASSERIFORMES	Ptilonorhynchid ae	3	3
<i>Ptilinopus magnificus</i>	Wompoo Fruit-Dove	COLUMBIFORMES	Columbidae	2	3
<i>Purnella albifrons</i>	White-fronted Honeyeater	PASSERIFORMES	Meliphagidae	3	3
<i>Purpureicephalus spurius</i>	Red-capped Parrot	PSITTACIFORMES	Psittacidae	3	3
<i>Pycnoptilus floccosus</i>	Pilotbird	PASSERIFORMES	Acanthizidae	1	1
<i>Pyrrholaemus brunneus</i>	Redthroat	PASSERIFORMES	Acanthizidae	3	3
<i>Rallina tricolor</i>	Red-necked Crake	GRUIFORMES	Rallidae	2	3
<i>Ramsayornis fasciatus</i>	Bar-breasted Honeyeater	PASSERIFORMES	Meliphagidae	1	3
<i>Ramsayornis modestus</i>	Brown-backed Honeyeater	PASSERIFORMES	Meliphagidae	5	1
<i>Recurvirostra novaehollandiae</i>	Red-necked Avocet	CHARADRIIFORMES	Recurvirostridae	1	3
<i>Rhipidura albiscapa</i>	Grey Fantail	PASSERIFORMES	Rhipiduridae	3	3
<i>Rhipidura dryas</i>	Arafura Fantail	PASSERIFORMES	Rhipiduridae	3	6
<i>Rhipidura leucophrys</i>	Willie Wagtail	PASSERIFORMES	Rhipiduridae	3	3
<i>Rhipidura phasiana</i>	Mangrove Grey Fantail	PASSERIFORMES	Rhipiduridae	3	2
<i>Rhipidura rufifrons</i>	Rufous Fantail	PASSERIFORMES	Rhipiduridae	2	3
<i>Rhipidura rufiventris</i>	Northern Fantail	PASSERIFORMES	Rhipiduridae	3	3
<i>Rostratula australis</i>	Australian Painted Snipe	CHARADRIIFORMES	Rostratulidae	3	3
<i>Scenopoeetes dentirostris</i>	Tooth-billed Bowerbird	PASSERIFORMES	Ptilonorhynchid ae	3	3
<i>Scythrops novaehollandiae</i>	Channel-billed Cuckoo	CUCULIFORMES	Cuculidae	2	2
<i>Sericornis beccarii</i>	Tropical Scrubwren	PASSERIFORMES	Acanthizidae	1	2
<i>Sericulus chrysocephalus</i>	Regent Bowerbird	PASSERIFORMES	Ptilonorhynchid ae	6	6
<i>Sericornis citreogularis</i>	Yellow-throated Scrubwren	PASSERIFORMES	Acanthizidae	3	1
<i>Sericornis frontalis</i>	White-browed Scrubwren	PASSERIFORMES	Acanthizidae	3	3
<i>Sericornis humilis</i>	Tasmanian Scrubwren	PASSERIFORMES	Acanthizidae	3	3
<i>Sericornis kerri</i>	Atherton Scrubwren	PASSERIFORMES	Acanthizidae	2	2
<i>Sericornis magnirostra</i>	Large-billed Scrubwren	PASSERIFORMES	Acanthizidae	3	3
<i>Smicronis brevirostris</i>	Weebill	PASSERIFORMES	Acanthizidae	3	3

<i>Sphecotheres vieilloti</i>	Australasian Figbird	PASSERIFORMES	Oriolidae	3	3
<i>Stagonopleura bella</i>	Beautiful Firetail	PASSERIFORMES	Estrildidae	1	3
<i>Stagonopleura guttata</i>	Diamond Firetail	PASSERIFORMES	Estrildidae	3	3
<i>Stagonopleura oculata</i>	Red-eared Firetail	PASSERIFORMES	Estrildidae	1	2
<i>Sternula albifrons</i>	Little Tern	CHARADRIIFORMES	Laridae	2	1
<i>Sternula nereis</i>	Fairy Tern	CHARADRIIFORMES	Laridae	2	2
<i>Sterna striata</i>	White-fronted Tern	CHARADRIIFORMES	Laridae	0	2
<i>Sterna sumatrana</i>	Black-naped Tern	CHARADRIIFORMES	Laridae	2	3
<i>Stiltia isabella</i>	Australian Pratincole	CHARADRIIFORMES	Glareolidae	1	1
<i>Stipiturus malachurus</i>	Southern Emu-wren	PASSERIFORMES	Maluridae	2	3
<i>Stipiturus mallee</i>	Mallee Emu-wren	PASSERIFORMES	Maluridae	3	3
<i>Stictonetta naevosa</i>	Freckled Duck	ANSERIFORMES	Anatidae	3	3
<i>Stipiturus ruficeps</i>	Rufous-crowned Emu-wren	PASSERIFORMES	Maluridae	3	3
<i>Struthidea cinerea</i>	Apostlebird	PASSERIFORMES	Corcoracidae	3	3
<i>Strepera fuliginosa</i>	Black Currawong	PASSERIFORMES	Artamidae	3	1
<i>Strepera graculina</i>	Pied Currawong	PASSERIFORMES	Artamidae	2	3
<i>Strepera versicolor</i>	Grey Currawong	PASSERIFORMES	Artamidae	3	3
<i>Sugomel niger</i>	Black Honeyeater	PASSERIFORMES	Meliphagidae	1	3
<i>Syma torotoro</i>	Yellow-billed Kingfisher	CORACIIFORMES	Halcyonidae	1	1
<i>Symposiachrus trivirgatus</i>	Spectacled Monarch	PASSERIFORMES	Monarchidae	1	1
<i>Tachybaptus novaehollandiae</i>	Australasian Grebe	PODICIPEDIFORMES	Podicipedidae	3	3
<i>Tadorna radjah</i>	Radjah Shelduck	ANSERIFORMES	Anatidae	1	1
<i>Tadorna tadornoides</i>	Australian Shelduck	ANSERIFORMES	Anatidae	3	2
<i>Taeniopygia bichenovii</i>	Double-barred Finch	PASSERIFORMES	Estrildidae	2	3
<i>Taeniopygia guttata</i>	Zebra Finch	PASSERIFORMES	Estrildidae	3	3
<i>Tanysiptera sylvia</i>	Buff-breasted Paradise-Kingfisher	CORACIIFORMES	Halcyonidae	3	3
<i>Thalasseus bengalensis</i>	Lesser Crested Tern	CHARADRIIFORMES	Laridae	0	1
<i>Thalasseus bergii</i>	Crested Tern	CHARADRIIFORMES	Laridae	1	3
<i>Thinornis rubricollis</i>	Hooded Plover	CHARADRIIFORMES	Charadriidae	3	3
<i>Threskiornis molucca</i>	Australian White Ibis	CICONIIFORMES	Threskiornithidae	2	2
<i>Threskiornis spinicollis</i>	Straw-necked Ibis	CICONIIFORMES	Threskiornithidae	2	3
<i>Todiramphus chloris</i>	Collared Kingfisher	CORACIIFORMES	Halcyonidae	1	3
<i>Todiramphus macleayii</i>	Forest Kingfisher	CORACIIFORMES	Halcyonidae	3	3
<i>Todiramphus pyrrhopygius</i>	Red-backed Kingfisher	CORACIIFORMES	Halcyonidae	3	3
<i>Todiramphus sanctus</i>	Sacred Kingfisher	CORACIIFORMES	Halcyonidae	3	3
<i>Tregellasia capito</i>	Pale-yellow Robin	PASSERIFORMES	Petroicidae	2	2
<i>Tregellasia leucops</i>	White-faced Robin	PASSERIFORMES	Petroicidae	2	3
<i>Trichoglossus chlorolepidotus</i>	Scaly-breasted Lorikeet	PSITTACIFORMES	Psittacidae	3	2
<i>Trichodere cockerelli</i>	White-streaked Honeyeater	PASSERIFORMES	Meliphagidae	1	2
<i>Trichoglossus haematodus</i>	Rainbow Lorikeet	PSITTACIFORMES	Psittacidae	3	3
<i>Tribonyx mortierii</i>	Tasmanian Native-hen	GRUIFORMES	Rallidae	3	3
<i>Tribonyx ventralis</i>	Black-tailed Native-hen	GRUIFORMES	Rallidae	2	2
<i>Turnix castanotus</i>	Chestnut-backed Button-quail	CHARADRIIFORMES	Turnicidae	3	3
<i>Turnix maculosus</i>	Red-backed Button-quail	CHARADRIIFORMES	Turnicidae	2	2
<i>Turnix melanogaster</i>	Black-breasted Button-quail	CHARADRIIFORMES	Turnicidae	2	1

<i>Turnix olivii</i>	Buff-breasted Button-quail	CHARADRIIFORMES	Turnicidae	3	1
<i>Turnix pyrrhоторax</i>	Red-chested Button-quail	CHARADRIIFORMES	Turnicidae	3	3
<i>Turnix varius</i>	Painted Button-quail	CHARADRIIFORMES	Turnicidae	3	3
<i>Turnix velox</i>	Little Button-quail	CHARADRIIFORMES	Turnicidae	1	2
<i>Tyto javanica</i>	Eastern Barn Owl	STRIGIFORMES	Tytonidae	3	3
<i>Tyto longimembris</i>	Eastern Grass Owl	STRIGIFORMES	Tytonidae	2	1
<i>Tyto novaehollandiae</i>	Masked Owl	STRIGIFORMES	Tytonidae	3	1
<i>Tyto tenebricosa</i>	Sooty Owl	STRIGIFORMES	Tytonidae	3	1
<i>Vanellus miles</i>	Masked Lapwing	CHARADRIIFORMES	Charadriidae	3	3
<i>Vanellus tricolor</i>	Banded Lapwing	CHARADRIIFORMES	Charadriidae	2	3
<i>Xanthotis flaviventer</i>	Tawny-breasted Honeyeater	PASSERIFORMES	Meliphagidae	1	4
<i>Xanthotis macleayanus</i>	Macleay's Honeyeater	PASSERIFORMES	Meliphagidae	2	3
<i>Zoothera heinei</i>	Russet-tailed Thrush	PASSERIFORMES	Turdidae	1	2
<i>Zoothera lunulata</i>	Bassian Thrush	PASSERIFORMES	Turdidae	3	3
<i>Zosterops citrinella</i>	Pale White-eye	PASSERIFORMES	Timaliidae	3	0
<i>Zosterops lateralis</i>	Silveryeye	PASSERIFORMES	Timaliidae	3	3
<i>Zosterops luteus</i>	Yellow White-eye	PASSERIFORMES	Timaliidae	1	2

3D grid in visual space

Figure S2. A graphical representation of the process of three-dimensional 'rasterization' of visual space. Each cube in the figure represents a chromatic locus. 'Shadows' on the bottom and side panels are those used in Figs. 1-3 to represent three-dimensional chromatic variation in two dimensions (see text for more details).



Examples of reflectance spectra

Figure S3. Examples of reflectance spectra classified as melanin-based. Wing scapulars of *Malurus pulcherrimus* male (red), upper back of *Arses telescopthalmus* male (black), upper back *Chroicocephalus novaehollandiae* male (grey), crown *Chroicocephalus novaehollandiae* male (black dashed), belly *Stipiturus malachurus* male (orange) and belly *Malurus melanocephalus* male (thin black).

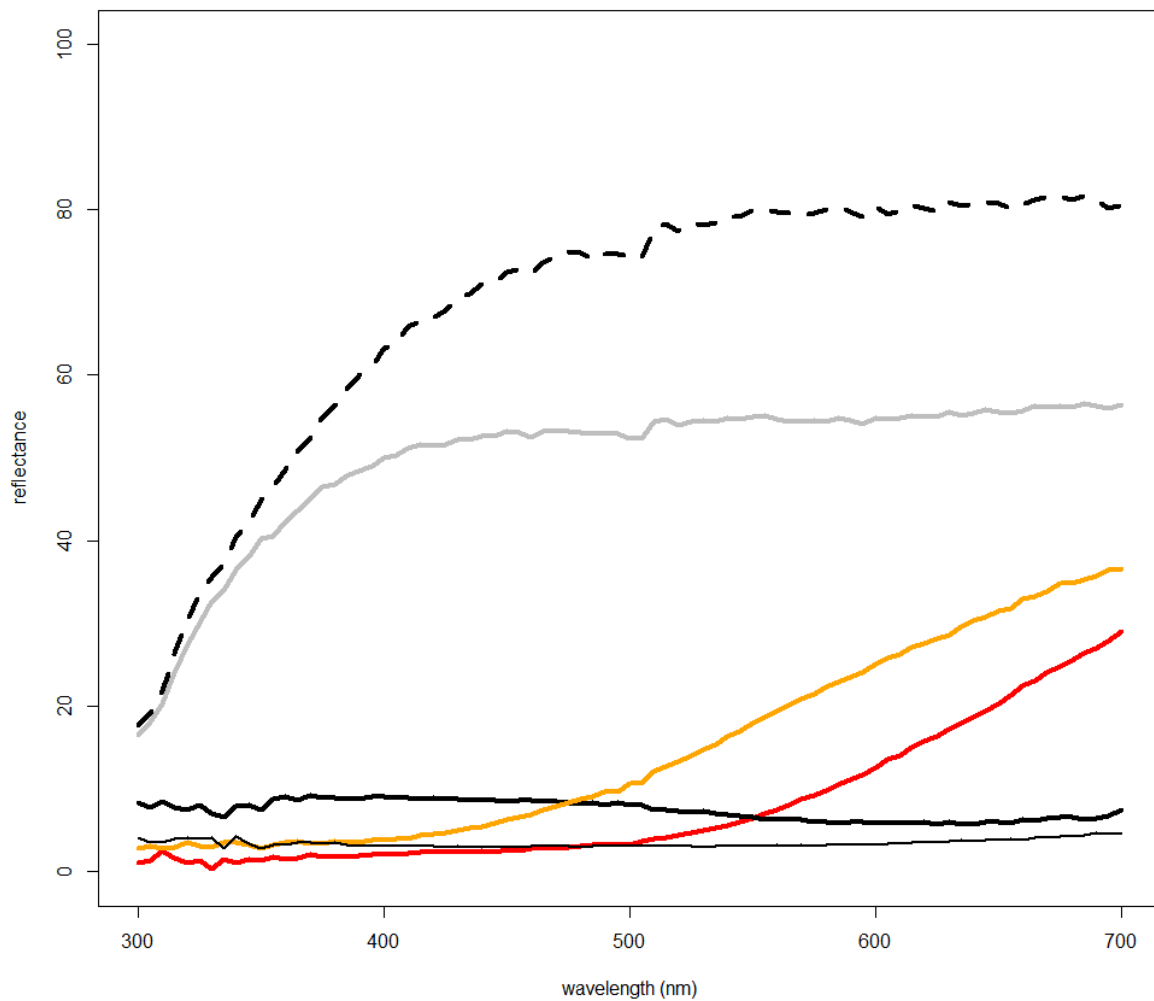


Figure S4. Examples of reflectance spectra classified as carotenoid-based. Cheek of *Stagonopleura oculata* female (red), ventral neck of *Machaerirhynchus flaviventer* (yellow), crown of *Ptilinopus superbis* male (purple), rump of *Acanthiza reguloides* (blue), breast of *Petroica rodinogaster* male (pink), front of *Sericulus chrysocephalus* male (orange).

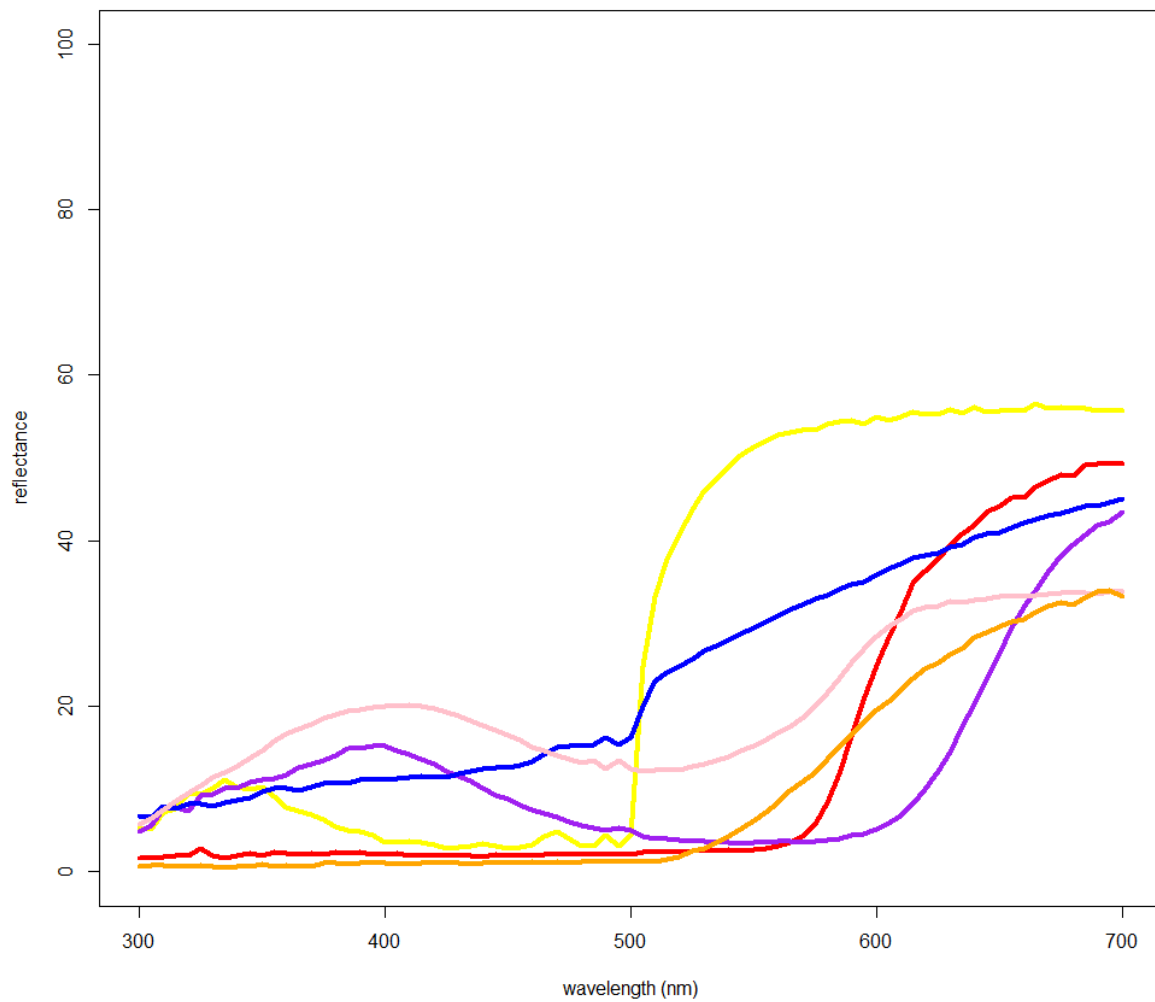


Figure S5. Examples of reflectance spectra classified as psittacofulvin-based. Front of *Platycercus caledonicus* male (red), neck of *Eolophus roseicapillus* (pink), wing scapulars of *Psephotus varius* male (orange), breast of *Neopsephotus bourkii* male (pink dashed), cheek of *Calyptorhynchus funereus* male (yellow) and cheek of *Cacatua galerita* male (yellow dashed).

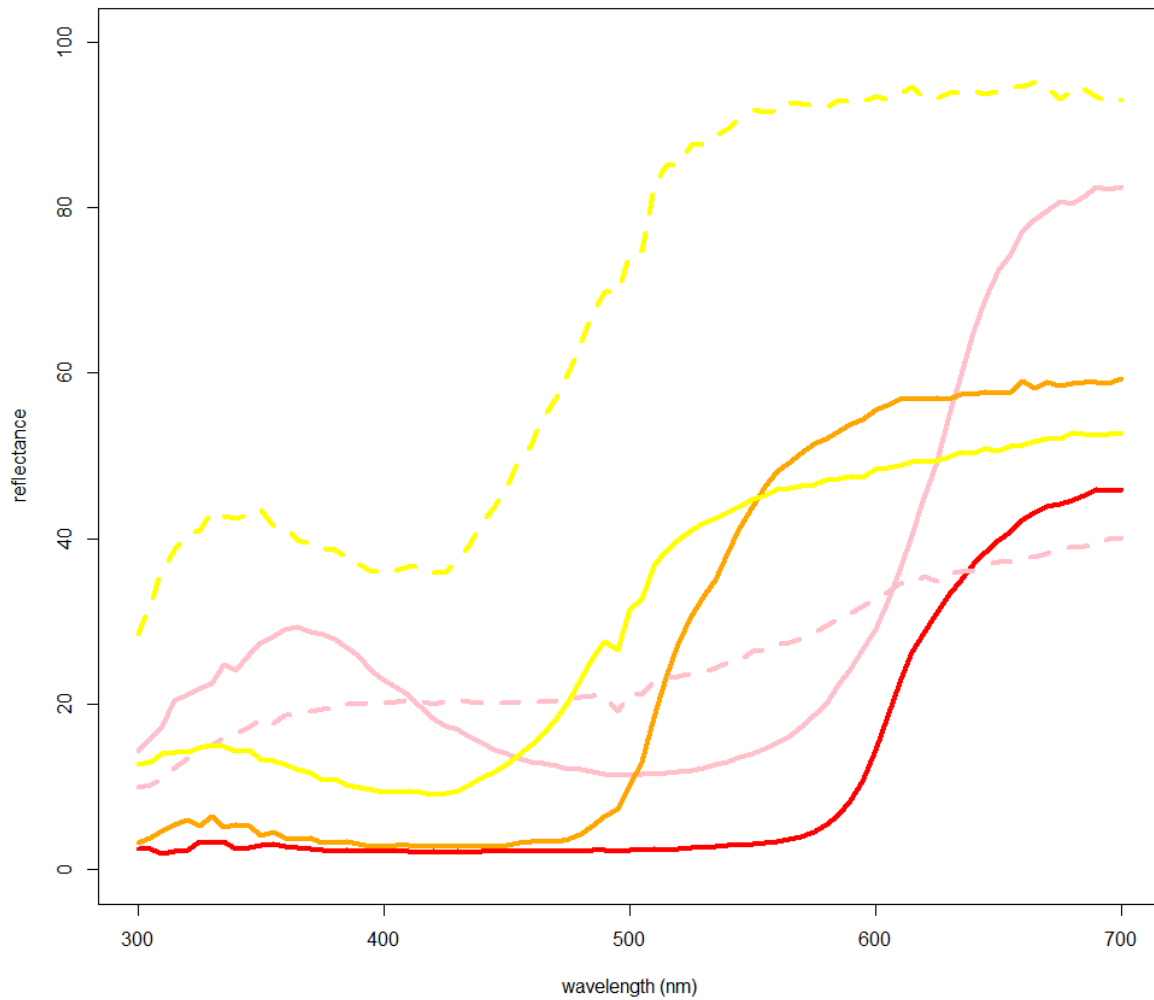


Figure S6. Examples of reflectance spectra classified as structural. Wing scapulars of female *Phaps chalcoptera* (red), upper breast of male *Malurus splendens* (cyan), upper back male *Chalcophaps indica* (green), upper back female *Threskiornis spinicollis* (black), lower back of male *Nettapus pulchellus* (dark green), upper back of male *Aplonis metallica* (black dashed), upper breast male *Erythrura gouldiae* (purple).

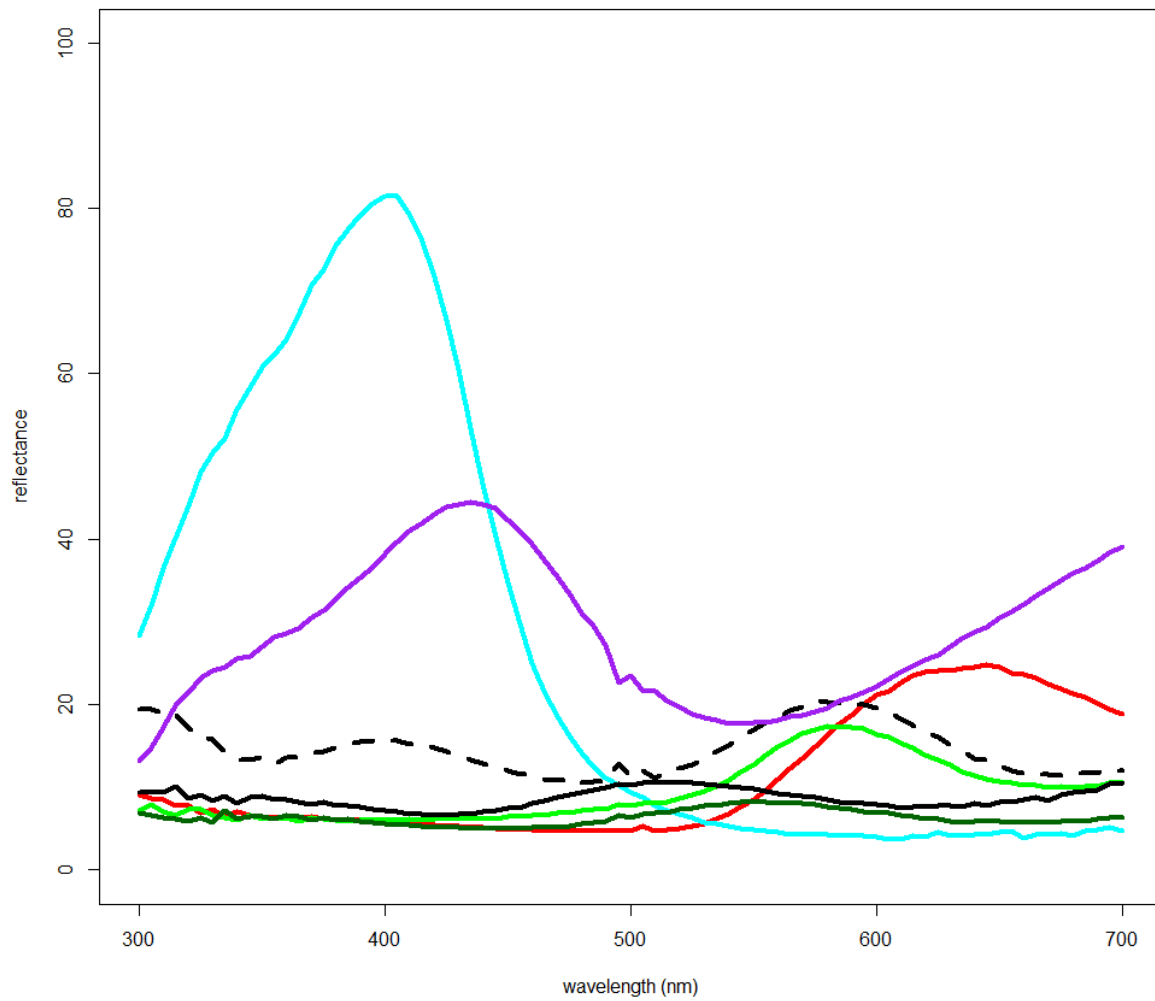


Figure S7. Examples of reflectance spectra classified as carotenoids+structure. Ventral neck of *Erythrura trichroa* female (green), rump of *Ailuroedus crassirostris* male (green dashed), upper back of *Ptilinopus superbis* female (dark green) and front of *Merops ornatus* male (black). Note that some subtle aspects of spectral shape (absorption peaks at around 450 nm) cannot be appreciated at this scale for darker spectra.

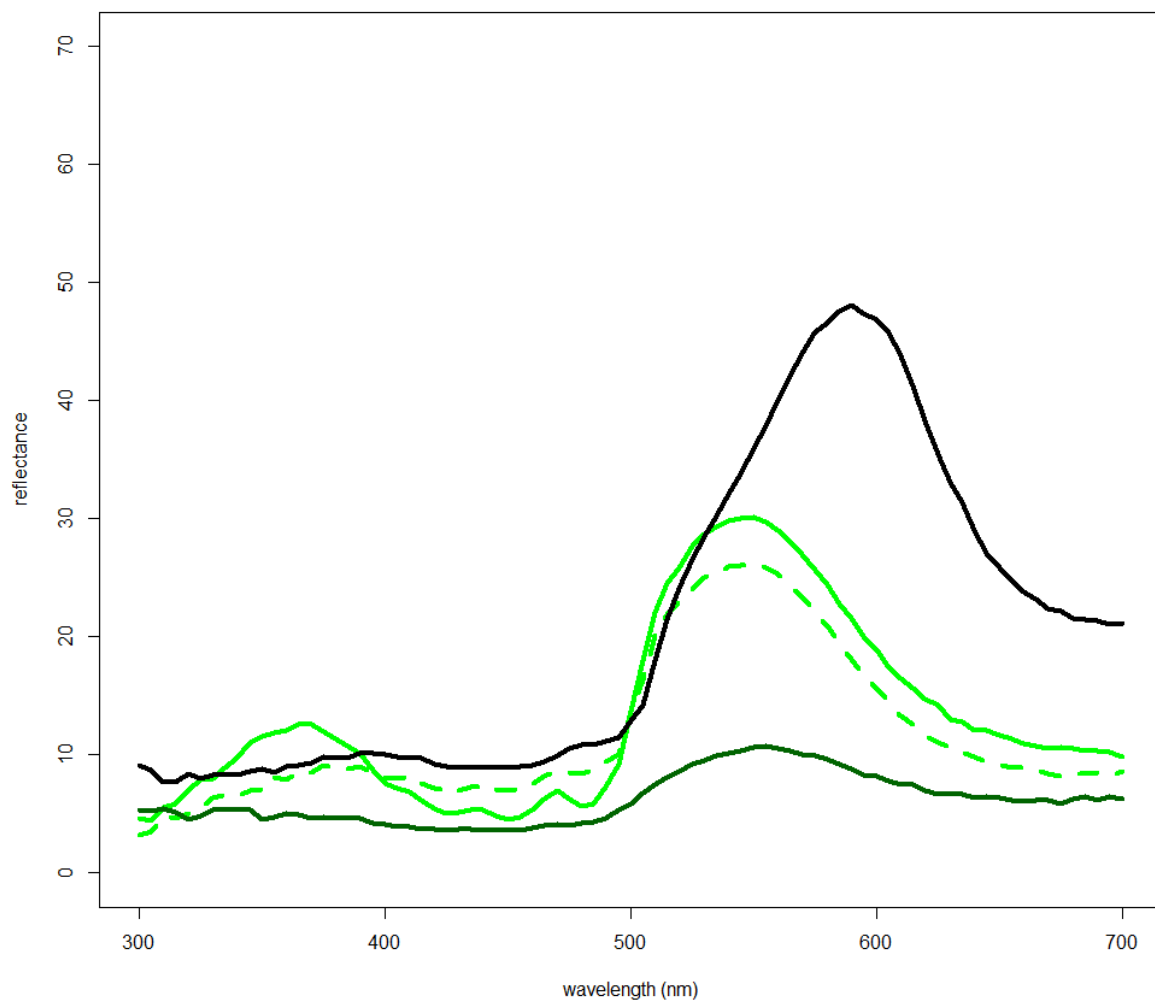
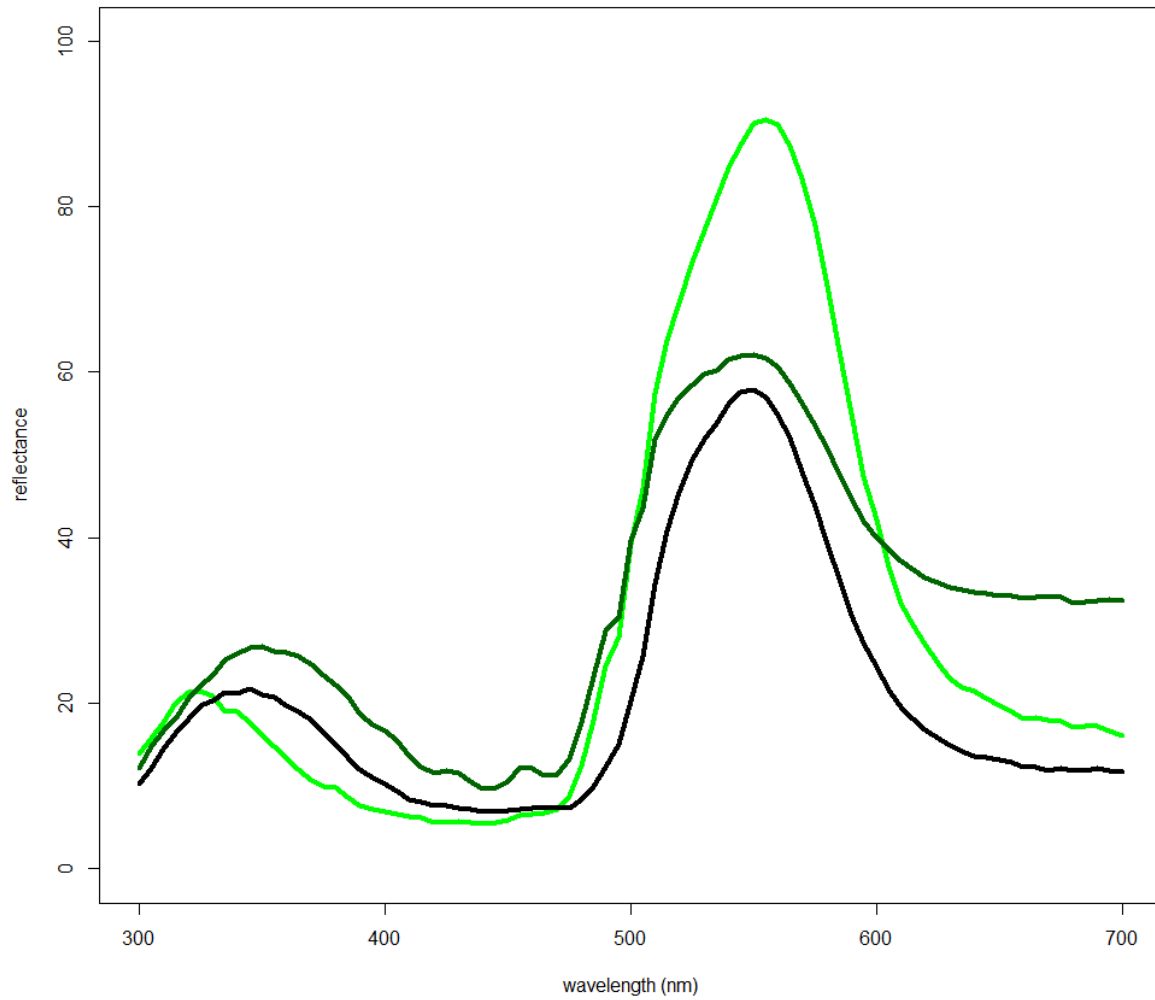


Figure S8. Examples of reflectance spectra classified as psittacofulvins+structure. Cheek of male *Aprosmictus erythropterus* (green), lower breast of female *Melopsittacus undulatus* (dark green) and crown of male *Electus roratus* (black).



Summary of results for V-type visual systems

The total volume occupied by Australian landbirds modelled using V-type visual sensitivities was 0.055, or 16% of the total theoretical avian colour space. Similar to U-type eyes most colours were concentrated in the centre of the visual space.

Colour production mechanisms

Table S2. Colour space occupation by the main colour-production mechanisms in birds.

	% of total volume	% of total chromatic loci	% of unique chromatic loci
Melanins	4.2	16.3	5.8
Carotenoids	18.8	22.8	10.7
Psittacofulvins	13.3	23.1	11.1
Structural	43.8	39.9	28.5
Carotenoids+structure	2.6	10.3	1.8
Psittacofulvins+structure	18.2	28	16.1

Sex differences

The total volume of chromatic space occupied by males was 0.054 and by females 0.031. This corresponds to 98% and 55.5% of the total chromatic volume of the sample. The overlap in convex hull volume between the sexes comprises 99% of female- and 56% of male-occupied volume. In terms of chromatic loci females occupy 59% and males 79% of all chromatic loci; 39% of occupied loci are shared by the sexes, 21% are restricted to females and 40% to males. Bootstrapping confirms that males occupy larger portions of the chromatic space than females (bootstrapped ratio female/male volume, median = 0.56, 2.5% quantile = 0.39, 97.5% quantile = 0.75; ratio female/male occupied chromatic loci: median = 0.77, 2.5% quantile = 0.73, 97.5% quantile = 0.81).

Taxonomic differences

The orders Passeriformes and Psittaciformes occupy the largest proportion of the colours space (>70% of volume and > 50% of chromatic loci). However, only Psittaciformes show higher values than expected for their number of species (Supplementary Tables S3 and S4). Most orders show expected or lower than expected levels of occupation of the visual space. The only exception was

the order Coraciiformes (>10% of colour volume and >14% of chromatic loci) which had higher levels than expected (see Supplementary Tables S3 and S4).

Table S3. Comparing observed values of male colour diversity (computed for V-type visual system) for each bird order (% occupied convex hull volume and chromatic loci) with the expected values obtained from bootstrapping the same number of random species from the entire sample of male colours. P-values are two-tailed and represent the proportion of bootstrapped values more extreme than the observed value.

ORDER	n	% of male convex hull volume				% of male occupied chromatic loci			
		observed	2.5% quantile bootstrap	97.5% quantile bootstrap	p-value	observed	2.5% quantile bootstrap	97.5% quantile bootstrap	p-value
1 ACCIPITRIFORMES	18	0.005	0.018	0.398	<0.001	0.057	0.068	0.147	0.001
2 ANSERIFORMES	18	0.030	0.018	0.398	0.033	0.081	0.068	0.147	0.062
3 APODIFORMES	2	<0.001	<0.001	0.107	0.125	0.016	0.012	0.034	0.087
4 CAPRIMULGIFORMES	6	<0.001	0.001	0.207	<0.001	0.028	0.031	0.075	0.006
5 CASUARIIFORMES	1	<0.001	<0.001	0.052	0.003	0.004	0.005	0.020	0.003
6 CHARADRIIFORMES	35	0.003	0.073	0.546	<0.001	0.066	0.112	0.215	<0.001
7 CICONIIFORMES	35	0.012	0.014	0.378	0.009	0.070	0.064	0.136	0.035
8 COLUMBIFORMES	22	0.077	0.030	0.441	0.080	0.110	0.079	0.165	0.179
9 CORACIIFORMES	12	0.109	0.008	0.321	0.192	0.141	0.051	0.116	0.001
10 CUCULIFORMES	10	0.009	0.005	0.286	0.041	0.051	0.044	0.103	0.050
11 FALCONIFORMES	6	0.001	0.001	0.207	0.001	0.034	0.031	0.075	0.039
12 GALLIFORMES	6	0.001	0.001	0.207	0.008	0.029	0.031	0.075	0.009
13 GRUIFORMES	16	0.028	0.014	0.378	0.042	0.065	0.064	0.136	0.017
14 PASSERIFORMES	305	0.738	0.533	0.938	0.234	0.509	0.509	0.670	0.013
15 PHALACROCORACIFORMES	6	0.001	0.001	0.207	0.004	0.023	0.031	0.075	0.001
16 PODICIPEDIFORMES	3	0.001	0.000	0.132	0.057	0.016	0.017	0.046	0.007
17 PSITTACIFORMES	49	0.730	0.133	0.630	0.002	0.529	0.144	0.263	0.000
18 STRIGIFORMES	8	0.001	0.003	0.257	0.002	0.040	0.038	0.089	0.025

Table S4. Comparing observed values of female colour diversity (computed for V-type visual system) for each bird order (% occupied convex hull volume and

chromatic loci) with the expected values obtained from bootstrapping the same number of random species from the entire sample of female colours. P-values are two-tailed and represent the proportion of bootstrapped values more extreme than the observed value.

	Order	n	% of female convex hull volume				% of female occupied chromatic loci			
			observed	2.5% quantile bootstrap	97.5% quantile bootstrap	p-value	observed	2.5% quantile bootstrap	97.5% quantile bootstrap	p-value
1	ACCIPITRIFORMES	18	0.006	0.019	0.379	<0.001	0.078	0.087	0.178	0.004
2	ANSERIFORMES	18	0.050	0.019	0.379	0.098	0.087	0.087	0.178	0.014
3	APODIFORMES	2	0.001	<0.001	0.086	0.097	0.023	0.016	0.044	0.123
4	CAPRIMULGIFORMES	6	0.001	0.002	0.201	0.002	0.039	0.041	0.095	0.010
5	CASUARIIFORMES	1	<0.001	<0.001	0.032	0.003	0.005	0.008	0.025	0.005
6	CHARADRIIFORMES	35	0.009	0.062	0.546	<0.001	0.111	0.134	0.258	0.001
7	CICONIIFORMES	35	0.025	0.016	0.356	0.042	0.083	0.080	0.167	0.023
8	COLUMBIFORMES	22	0.081	0.026	0.414	0.126	0.144	0.098	0.201	0.254
9	CORACIIFORMES	12	0.153	0.009	0.293	0.091	0.163	0.065	0.144	0.002
10	CUCULIFORMES	10	0.013	0.006	0.256	0.056	0.057	0.057	0.129	0.013
11	FALCONIFORMES	6	0.002	0.002	0.201	0.012	0.052	0.041	0.095	0.114
12	GALLIFORMES	6	0.001	0.002	0.201	0.001	0.041	0.041	0.095	0.016
13	GRUIFORMES	16	0.034	0.016	0.356	0.069	0.087	0.080	0.167	0.034
14	PASSERIFORMES	305	0.347	0.507	0.942	<0.001	0.456	0.536	0.706	<0.001
15	PHALACROCORACIFORMES	6	0.001	0.002	0.201	0.001	0.028	0.041	0.095	<0.001
16	PODICIPEDIFORMES	3	0.001	<0.001	0.130	0.032	0.021	0.025	0.059	0.006
17	PSITTACIFORMES	49	0.827	0.100	0.624	<0.001	0.609	0.168	0.307	<0.001
18	STRIGIFORMES	8	0.001	0.004	0.243	<0.001	0.042	0.051	0.114	0.002