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Electronic appendices are refereed with the text. However, no attempt has been made to impose a uniform editorial style on the electronic appendices.

APPENDIX A. Test for an association between UV Colours and courtship displays

family	common name (§ species used in genus-level analysis)	scientific name	UV Colours in displayed regions? (+ yes, - no)	UV Colours in non-displayed regions? (+ yes, - no)
kingfishers				
	azure kingfisher	(<i>Alcedo azurea</i>)	+	+
	forest kingfisher	(<i>Halcyon macleayii</i>)	+	+
	sacred kingfisher §	(<i>Halcyon sancta</i>)	+	-
parrots				
	budgerigar	(<i>Melopsittacus undulatus</i>)	+	-
	king parrot	(<i>Alistreus scaoularis</i>)	-	+
	red-capped parrot	(<i>Purpureicephalus spurius</i>)	+	+
	blue bonnet	(<i>Northeriella haematogaster</i>)	+	-
	red-winged parrot	(<i>Aprosmictus erythropterus</i>)	+	+
	turquoise parrot	(<i>Neophema pulchella</i>)	+	-
	scarlet-chested parrot	(<i>Neophema splendida</i>)	+	-
	Bourke's parrot	(<i>Neophema bourkii</i>)	+	+
	blue-winged parrot	(<i>Neophema chrysostoma</i>)	+	-
	rock parrot	(<i>Neophema petrophilla</i>)	+	+
	ring-necked parrot	(<i>Platycercus zanarius</i>)	+	-
	crimson rosella	(<i>Platycercus elegans</i>)	+	-
	eastern rosella §	(<i>Platycercus eximicus</i>)	+	-
	Alexandra's parrot	(<i>Polytelis alexandrae</i>)	+	+
	regent parrot	(<i>Polytelis anthopeplus</i>)	+	+
	superb parrot	(<i>Polytelis swainsonii</i>)	+	+

rainbow lorikeet	(<i>Trichoglossus haematodus</i>)	+	+
pigeons			
crested pigeon §	(<i>Ocyphaps lopholes</i>)	+	+
rose-crowned fruit-dove	(<i>Ptilinopus regina</i>)	-	+
pittas			
noisy pitta §	(<i>Pitta versicolour</i>)	+	-
bowerbirds			
green catbird §	(<i>Ailuroedus crassirostris</i>)	+	+
spotted bowerbird	(<i>Chlamydera maculata</i>)	+	-
fairy-wrens			
variegated fairy-wren	(<i>Malurus assimilis</i>)	+	-
splendid fairy-wren §	(<i>Malurus splendens</i>)	+	-
southern emu-wren	(<i>Stripityurus ruficeps</i>)	+	-
honeyeaters			
brown honeyeater §	(<i>Lichimera indistincta</i>)	+	-
rufous-throated honeyeater	(<i>Conopophila rufularis</i>)	+	-
robins			
rose robin	(<i>Petroica rosae</i>)	+	-
eastern yellow robin §	(<i>Eopsaltria australis</i>)	+	-
corvids			
golden whistler §	(<i>Pachycephala pectoralis</i>)	+	-
yellow-breasted boatbill	(<i>Machaerirhynchus flaviventer</i>)	-	+
shining flycatcher	(<i>Myiagra alecto</i>)	+	-
magnificent riflebird	(<i>Ptiloris magnificus</i>)	+	-
Victoria riflebird	(<i>Ptiloris victoriae</i>)	+	-
paradise riflebird	(<i>Ptiloris paradiseus</i>)	+	-
trumpet manucode	(<i>Manucodia keraudrenii</i>)	+	-
sunbirds			
yellow-breasted sunbird §	(<i>Nectarinia jugularia</i>)	+	-
estrilid finches			
gouldian finch §	(<i>Erythrura gouldiae</i>)	+	-

APPENDIX B Test for an association between Fluorescent plumage and courtship displays in parrots

genus	common name (§ species used in family-level analysis)	scientific name	Fluorescence in displayed regions? (+ yes, - no)	Fluorescence in non-displayed regions ? (+ yes, - no)
Calyptorhynchus	red tailed black cockatoo	(<i>Calyptorhynchus banksii</i>)	+	+
	glossy black cockatoo §	(<i>Calyptorhynchus lathami</i>)	+	-
	yellow tailed black cockatoo	(<i>Calyptorhynchus funereus</i>)	+	+
Callocephalon	gang gang cockatoo §	(<i>Callocephalon fimbriatum</i>)	+	+
Cacatua	little corella §	(<i>Cacatua sanguinea</i>)	+	-
	long billed corella	(<i>Cacatua tenuirostris</i>)	+	-
	western corella	(<i>Cacatua pastinator</i>)	+	+
	major mitchell's cockatoo	(<i>Cacatua leadbeateri</i>)	+	-
	sulphur crested cockatoo	(<i>Cacatua galerita</i>)	+	-
Nymphicus	cockateil §	(<i>Nymphicus hollandicus</i>)	+	+
Alisterus	australian king parrot §	(<i>Alisterus scapularis</i>)	+	-
Aprosmictus	red winged parrot §	(<i>Aprosmictus erythropterus</i>)	-	+
Polytelis	regent parrot §	(<i>Polytelis anthopeplus</i>)	+	-
	superb parrot	(<i>Polytelis swainsonii</i>)	+	-
	princess parrot	(<i>Polytelis alexandrae</i>)	+	-
Melopsittacus	budgerigar §	(<i>Melopsittacus undulatus</i>)	+	+
Purpureicephalus	red capped parrot §	(<i>Purpureicephalus spurius</i>)	+	+
Platycercus				

green rosella						+
crimson rosella						-
eastern rosella						+
pale headed rosella						+
northern rosella §						+
western rosella						+
Barnardius						
australian ring neck §						-
Psephotus						
red rumped parrot						-
mulga parrot §						-
golden shouldered parrots						-
hooded parrot						-
Northiella						
blue bonnet §						-
Neophema						
blue winged parrot						+
elegant parrot						+
turquoise parrot §						-
scarlet chested parrot						-

(Platycercus caledonicus) +
(Platycercus elegans) +
(Platycercus eximius) +
(Platycercus adscitus) +
(Platycercus venustus) +
(Platycercus icterotis) +
(Barnardius zonarius) +
(Psephotus haemototus) +
(Psephotus varius) +
(Psephotus chrysopterygius) +
(Psephotus dissimilis) +
(Northiella haematogaster) +
(Neophema chrysostema) +
(Neophema elegans) +
(Neophema pulchella) +
(Neophema splendida) +

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