

Appendix 5. The distribution of biomes in Africa, and their associated biome-restricted bird species, by country.
 Part 1. The distribution of biomes, by country¹.

The biomes are mapped and illustrated on pp. 17–32.

Country ¹	Country (ISO) code	Biome														
		Mediterranean North Africa A01	Sahara–Sindian A02	Sahel A03	Sudan–Guinea Savanna A04	Guinea–Congo Forests A05	Lake Victoria Basin A06	Afrotropical Highlands A07	Somali–Masai A08	East African Coast A09	Zambezi A10	Kalahari–Highveld A11	Namib–Karoo A12	Fynbos A13	West Malagasy A14	East Malagasy A15
Morocco	MA	✓	✓													
Algeria	DZ	✓	✓													
Tunisia	TN	✓	✓													
Libya	LY	✓	✓													
Egypt	EG	✓	✓													
Mauritania	MR		✓	✓												
Senegal	SN			✓	✓											
The Gambia	GM				✓	✓										
Mali	ML		✓	✓	✓	(✓)										
Burkina Faso	BF			✓	✓	(✓)										
Niger	NE		✓	✓	✓											
Chad	TD		✓	✓	✓											
Sudan	SD		✓	✓	✓			(✓)	✓							
Ethiopia	ET			(✓)	✓	(✓)		✓	✓							
Eritrea	ER			✓	✓			✓	✓							
Djibouti	DJ								✓							
Somalia	SO								✓	(✓)						
Guinea-Bissau	GW				✓											
Guinea	GN				✓	✓										
Sierra Leone	SL				(✓)	✓										
Liberia	LR					✓										
Côte d'Ivoire	CI				✓	✓										
Ghana	GH				✓	✓										
Togo	TG				✓	✓										
Benin	BJ				✓	(✓)										
Nigeria	NG			(✓)	✓	(✓)		(✓)								
Cameroon	CM			(✓)	✓	✓		✓								
Central African Republic	CF				✓	✓										
Equatorial Guinea	GQ					✓										
Gabon	GA					✓										
Congo	CG					✓										
DR Congo	CD				(✓)	✓	(✓)	✓		✓						
Rwanda	RW					✓	✓	✓								
Burundi	BI					(✓)	✓	✓								
Uganda	UG				✓	(✓)	✓	✓	✓							
Kenya	KE				(✓)	(✓)	✓	✓	✓	✓						
Tanzania	TZ					(✓)	✓	✓	✓	✓	✓					
Angola	AO					(✓)		✓			✓	✓				
Zambia	ZM					✓		(✓)			✓					
Malawi	MW							✓		(✓)	✓					
Mozambique	MZ							✓		✓	✓					
Namibia	NA									✓	✓	✓				
Botswana	BW									✓	✓					
Zimbabwe	ZW							✓		✓						
South Africa	ZA							✓		✓	✓	✓	✓			
Lesotho	LS							✓			✓					
Swaziland	SZ							✓		(✓)	✓	✓				
Madagascar	MG														✓	✓

A symbol in brackets indicates that only a relatively small amount of the biome falls within the country.

Highly marginal countries, where the biome does not occur according to the broad-scale map on p. 17, but where one or a few bird species restricted to that biome do occur (normally in low numbers or at the edge of their range), are not indicated here, although they are listed in Part 2 of this Appendix.

¹. Biomes have only been defined for the 48 countries comprising mainland Africa and Madagascar.

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2. The distribution of biome-restricted species, by range state¹.

A01 – Mediterranean biome (North African component: 17 species in seven range states)

Scientific name	English name	Range state (ISO code)						
		MA	DZ	TN	LY	EG	MR	TD
<i>Falco eleonorae</i>	Eleonora's Falcon	✓	✓	✓				
<i>Alectoris barbara</i>	Barbary Partridge	✓	✓	✓	✓	✓	✓	✓
<i>Caprimulgus ruficollis</i>	Red-necked Nightjar	✓	✓	✓				
<i>Picus vaillantii</i>	Levaillant's Woodpecker	✓	✓	✓				
<i>Ramphocoris clotbey</i>	Thick-billed Lark	✓	✓	✓	✓			
<i>Chersophilus duponti</i>	Dupont's Lark	✓	✓	✓	✓	✓		
<i>Eremophila bilopha</i>	Temminck's Horned Lark	✓	✓	✓	✓	✓		
<i>Phoenicurus moussieri</i>	Moussier's Redstart	✓	✓	✓				
<i>Oenanthe leucura</i>	Black Wheatear	✓	✓	✓	✓			✓
<i>Oenanthe moesta</i>	Red-rumped Wheatear	✓	✓	✓	✓	✓		
<i>Oenanthe hispanica</i>	Black-eared Wheatear	✓	✓	✓	✓			
<i>Sylvia melanocephala</i>	Sardinian Warbler	✓	✓	✓	✓	✓		
<i>Sylvia cantillans</i>	Subalpine Warbler	✓	✓	✓				
<i>Sylvia conspicillata</i>	Spectacled Warbler	✓	✓	✓				
<i>Sylvia deserticola</i>	Tristram's Warbler	✓	✓	✓				
<i>Sitta ledanti</i>	Algerian Nuthatch		✓					
<i>Sturnus unicolor</i>	Spotless Starling	✓	✓	✓				
		16	17	16	8	5	2	1

1. Range-state data are mostly from Dowsett (1996), with some further updates, a number arising from this study. Dowsett, R. J. (1996) *Distribution of Afrotropical birds*. Database version 1.2 (1996, revised) for dBASE 4 (Windows).

A02 – Sahara–Sindian biome (African component: 22 species in 15 range states)

Scientific name	English name	Range state (ISO code)															
		MA	DZ	TN	LY	EG	SN	MR	ML	NE	TD	SD	ET	ER	DJ	SO	
<i>Falco concolor</i>	Sooty Falcon				✓	✓										✓	
<i>Ammoperdix heyi</i>	Sand Partridge					✓						✓	✓				
<i>Pterocles senegallus</i>	Spotted Sandgrouse	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Pterocles coronatus</i>	Crowned Sandgrouse	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Pterocles lichtensteinii</i>	Lichtenstein's Sandgrouse	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Bubo ascalaphus</i>	Pharaoh Eagle-owl	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓					
<i>Strix butleri</i>	Hume's Tawny Owl					✓											
<i>Caprimulgus aegyptius</i>	Egyptian Nightjar	✓	✓	✓		✓						✓					
<i>Ammomanes cincturus</i>	Bar-tailed Lark	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓					
<i>Ammomanes deserti</i>	Desert Lark	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Alaemon alaudipes</i>	Hoopoe Lark	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Hirundo obsoleta</i>	Pale Crag Martin	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Oenanthe leucopyga</i>	White-crowned Black Wheatear	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Oenanthe monacha</i>	Hooded Wheatear					✓						✓					
<i>Oenanthe lugens</i>	Mourning Wheatear	✓	✓	✓	✓	✓						✓					
<i>Cercomela melanura</i>	Blackstart				✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Turdoides squamiceps</i>	Arabian Babbler					✓											
<i>Turdoides fulvus</i>	Fulvous Babbler	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
<i>Scotocerca inquieta</i>	Scrub Warbler	✓	✓	✓	✓	✓	✓	✓									
<i>Rhodopechys githaginea</i>	Trumpeter Finch	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓					
<i>Passer simplex</i>	Desert Sparrow	✓	✓	✓	✓			✓	✓	✓	✓	✓					
<i>Onychognathus tristramii</i>	Tristram's Grackle					✓											
		15	15	13	14	21	4	13	13	13	13	17	9	9	7	6	

A03 – Sahel biome (16 biome-restricted species in 14 range states)

Scientific name	English name	Range state (ISO code)															
		SN	GM	NG	MR	ML	BF	NE	TD	SD	ET	ER	DJ	SO	CM		
<i>Neotis nuba</i>	Nubian Bustard				✓	✓		✓	✓	✓							✓
<i>Ardeotis arabs</i>	Arabian Bustard	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
<i>Eupodotis savilei</i>	Savile's Bustard	✓		✓	✓	✓	✓	✓	✓	✓							✓
<i>Streptopelia roseogrisea</i>	Rose-grey Dove	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Caprimulgus eximius</i>	Golden Nightjar	✓			✓	✓		✓	✓	✓							
<i>Trachyphonus margaritatus</i>	Yellow-breasted Barbet			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		
<i>Dendropicos elachus</i>	Little Grey Woodpecker	✓	✓	✓	✓	✓		✓	✓	✓							✓
<i>Mirafra cordofanica</i>	Kordofan Lark	✓			✓	✓	✓	✓	✓	✓							
<i>Mirafra rufa</i>	Rusty Bush Lark					✓		✓	✓	✓							
<i>Eremalauda dunni</i>	Dunn's Lark				✓	✓		✓	✓	✓							
<i>Cercotrichas podobe</i>	Black Scrub-robin	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
<i>Prinia fluviatilis</i>	River Prinia	✓				✓		✓	✓								✓
<i>Spiloptila clamans</i>	Scaly-fronted Warbler	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
<i>Anthoscopus punctifrons</i>	Sudan Penduline Tit	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓				✓
<i>Passer luteus</i>	Sudan Golden Sparrow	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓
<i>Lamprotornis pulcher</i>	Chestnut-bellied Starling	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓
		12	4	10	14	16	8	16	16	15	8	8	4	2	10		

Important Bird Areas in Africa and associated islands – Appendix 5

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A04 – Sudan–Guinea Savanna biome (54 species in 26 range states)			Range state (ISO code)																									
Scientific name	English name	SN	GM	GW	GN	SL	LR	CI	GH	TG	BJ	NG	MR	ML	BF	NE	TD	SD	ET	ER	DJ	SO	CM	CF	CD	UG	KE	
<i>Falco alexpe</i>	Fox Kestrel	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓
<i>Francolinus icterorhynchus</i>	Heuglin's Francolin																								✓	✓	✓	✓
<i>Vanellus superciliosus</i>	Brown-chested Wattle Plover										✓	✓												✓	✓	✓		
<i>Streptopelia hypopyrrha</i>	Adamawa Turtle Dove	✓										✓						✓						✓				
<i>Poicephalus senegalus</i>	Senegal Parrot	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓					
<i>Poicephalus crassus</i>	Niam-Niam Parrot																	✓	✓					✓	✓			
<i>Tauraco leucolophus</i>	White-crested Tauraco											✓						✓	✓					✓	✓	✓	✓	✓
<i>Musophaga violacea</i>	Violet Turaco	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓				
<i>Merops bulocki</i>	Red-throated Bee-eater	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
<i>Coracias cyanogaster</i>	Blue-bellied Roller	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓				
<i>Lybius dubius</i>	Bearded Barbet	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓				
<i>Lybius rolleti</i>	Black-breasted Barbet																	✓	✓					✓			✓	
<i>Dendropicos poecilolaemus</i>	Uganda Spotted Woodpecker											✓						✓	✓				✓	✓	✓	✓	✓	✓
<i>Galerida modesta</i>	Sun Lark	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓			
<i>Hirundo leucosoma</i>	Pied-winged Swallow	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓					
<i>Lanius gubernator</i>	Emin's Shrike							✓	✓			✓		✓					✓				✓	✓	✓	✓	✓	
<i>Corvinella corvina</i>	Yellow-billed Shrike	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
<i>Cossypha albicapilla</i>	White-crowned Robin-chat	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓				
<i>Myrmecocichla albigrons</i>	White-fronted Black Chat	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓					
<i>Turdoides reinwardtii</i>	Black-cap Babbler	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓				
<i>Turdoides tenebrosus</i>	Dusky Babbler																		✓	✓						✓	✓	
<i>Turdoides leucocephalus</i>	White-headed Babbler																		✓	✓	✓							
<i>Cisticola rufiges</i>	Red-pate Cisticola	✓	✓			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓				✓	✓
<i>Cisticola dorsti</i>	Dorst's Cisticola											✓							✓				✓					
<i>Cisticola rufus</i>	Rufous Cisticola	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓				
<i>Cisticola troglodytes</i>	Foxy Cisticola																		✓	✓				✓	✓	✓	✓	✓
<i>Drymochila incana</i>	Red-winged Grey Warbler					✓													✓				✓	✓	✓	✓	✓	
<i>Hypergerus atriceps</i>	Oriole-Warbler	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓				
<i>Eremomela pusilla</i>	Green-backed Eremomela	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓					
<i>Muscicapa gambagae</i>	Gambaga Flycatcher							✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓				
<i>Anthoscopus parvulus</i>	West African Penduline Tit	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓			
<i>Nectarinia coccinigaster</i>	Splendid Sunbird	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓					
<i>Emberiza affinis</i>	Brown-rumped Bunting	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	
<i>Nesocharis capistrata</i>	White-cheeked Oliveback			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	
<i>Pytilia phoenicoptera</i>	Red-winged Pytilia	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓			
<i>Pytilia hypogrammica</i>	Yellow-winged Pytilia				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓			
<i>Euschistospiza dybowskii</i>	Dybowski's Twinspot	✓			✓	✓	✓	✓				✓						✓	✓				✓	✓	✓			
<i>Lagonosticta rufopicta</i>	Bar-breasted Firefinch		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
<i>Lagonosticta rara</i>	Black-bellied Firefinch	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
<i>Lagonosticta virata</i>	Mali Firefinch	✓												✓														
<i>Lagonosticta larvata</i>	Black-faced Firefinch	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
<i>Estrilda caerulea</i>	Lavender Waxbill	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓				
<i>Estrilda troglodytes</i>	Black-rumped Waxbill	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
<i>Vidua interjecta</i>	Long-tailed Paradise Whydah					✓			✓			✓	✓					✓	✓	✓			✓	✓	✓			
<i>Vidua togoensis</i>	Togo Paradise Whydah					✓		✓	✓	✓									✓				✓					
<i>Petronia dentata</i>	Bush Petronia	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓				
<i>Plocepasser superciliosus</i>	Chestnut-crowned Sparrow-weaver	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
<i>Ploceus heuglini</i>	Heuglin's Masked-weaver	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓	✓	✓	✓
<i>Ploceus badius</i>	Cinnamon Weaver																		✓									
<i>Grafisia torquata</i>	White-collared Starling																						✓	✓	✓			
<i>Coccycolius iris</i>	Emerald Starling				✓	✓		✓																				
<i>Lamprotornis purpureus</i>	Purple Glossy-starling	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
<i>Lamprotornis chalcurus</i>	Bronze-tailed Glossy-starling	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
<i>Ptilostomus afer</i>	Piapiac	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓

33 29 18 32 28 10 37 37 36 31 42 10 35 33 22 37 37 17 8 1 1 45 39 30 23 13

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A05 – Guinea–Congo Forests biome (278 species in 26 range states)			Range state (ISO code)																								
Scientific name	English name	SN	GM	GW	GN	SL	LR	CI	GH	TG	BJ	NG	ML	BF	SD	CM	CF	GQ	GA	CG	CD	RW	BI	UG	KE	TZ	AO
<i>Tigriornis leucolophus</i>	White-crested Tiger Heron	✓				✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓						✓
<i>Bostrychia rara</i>	Spot-breasted Ibis							✓	✓	✓							✓	✓	✓	✓	✓				✓		✓
<i>Pteronetta hartlaubii</i>	Hartlaub's Duck					✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓						✓
<i>Dryotriorchis spectabilis</i>	Congo Serpent-eagle					✓	✓	✓	✓			✓				✓	✓	✓	✓	✓	✓						✓
<i>Accipiter castanius</i>	Chestnut-flanked Sparrowhawk											✓				✓	✓	✓	✓	✓	✓			✓			✓
<i>Accipiter erythropus</i>	Western Little Sparrowhawk	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓		✓	✓		✓	✓	✓			✓			✓
<i>Urotriorchis macrourus</i>	Long-tailed Hawk						✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓			✓			✓
<i>Spizaetus africanus</i>	Cassin's Hawk Eagle					✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Francolinus lathamii</i>	Forest Francolin					✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓					✓	✓
<i>Francolinus finschi</i>	Finsch's Francolin											✓							✓	✓	✓						✓
<i>Francolinus nahani</i>	Nahan's Francolin																					✓		✓			
<i>Francolinus achantensis</i>	Ahanta Francolin			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓														
<i>Francolinus griseostriatus</i>	Grey-striped Francolin																										✓
<i>Afropavo congensis</i>	Congo Peafowl																					✓					
<i>Agelastes meleagrides</i>	White-breasted Guineafowl						✓	✓	✓	✓																	
<i>Agelastes niger</i>	Black Guineafowl											✓				✓	✓		✓	✓	✓						✓
<i>Guttera plumifera</i>	Plumed Guineafowl															✓	✓		✓	✓	✓						✓
<i>Sarothrura pulchra</i>	White-spotted Flufftail	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Himantornis haematopus</i>	Nkulengu Rail						✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓		✓			✓
<i>Canirallus ocellus</i>	Grey-throated Rail					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓					✓
<i>Columba unicincta</i>	Afep Pigeon					✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Columba albinucha</i>	White-naped Pigeon														✓	✓						✓		✓			✓
<i>Columba iriditorques</i>	Western Bronze-naped Pigeon					✓	✓	✓	✓	✓	✓	✓				✓		✓	✓	✓	✓	✓					✓
<i>Turtur brehmeri</i>	Blue-headed Wood Dove					✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓					✓
<i>Psittacus erithacus</i>	Grey Parrot			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Agapornis swindernianus</i>	Black-collared Lovebird							✓	✓	✓						✓	✓		✓	✓	✓	✓		✓			✓
<i>Tauraco persa</i>	Guinea Turaco	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓					✓
<i>Tauraco macrorhynchus</i>	Black-tip Crested Turaco					✓	✓	✓	✓	✓		✓				✓		✓	✓	✓	✓	✓					✓
<i>Cercococcyx mechowi</i>	Dusky Long-tailed Cuckoo					✓	✓	✓	✓	✓	✓	✓				✓	✓	✓		✓	✓	✓		✓		✓	✓
<i>Cercococcyx olivinus</i>	Olive Long-tailed Cuckoo					✓	✓	✓	✓	✓		✓				✓			✓	✓	✓	✓		✓			✓
<i>Chrysococcyx flavigularis</i>	Yellow-throated Green Cuckoo						✓	✓	✓	✓	✓	✓			✓	✓	✓		✓	✓	✓	✓		✓			✓
<i>Centropus leucogaster</i>	Black-throated Coucal	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓				✓						✓					✓
<i>Centropus anselli</i>	Gabon Coucal															✓	✓		✓	✓	✓						✓
<i>Otus icterorhynchus</i>	Sandy Scops-owl							✓	✓	✓						✓						✓					✓
<i>Bubo poensis</i>	Fraser's Eagle-owl						✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Bubo shelleyi</i>	Shelley's Eagle-owl						✓	✓	✓	✓						✓			✓	✓	✓	✓					✓
<i>Bubo leucostictus</i>	Akun Eagle-owl					✓	✓	✓	✓	✓		✓				✓		✓	✓	✓	✓	✓					✓
<i>Scotopelia ussheri</i>	Rufous Fishing-owl					✓	✓	✓	✓	✓																	✓
<i>Scotopelia bouvieri</i>	Vermiculated Fishing-owl											✓				✓	✓	✓	✓	✓	✓	✓					✓
<i>Jubula lettii</i>	Maned Owl							✓	✓	✓						✓		✓	✓	✓	✓	✓					✓
<i>Glaucidium tephronotum</i>	Red-chested Owlet						✓	✓	✓	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Glaucidium sjostedti</i>	Sjöstedt's Barred Owlet											✓				✓		✓	✓	✓	✓	✓					✓
<i>Glaucidium castaneum</i>	Chestnut Owlet							✓	✓													✓		✓			✓
<i>Caprimulgus binotatus</i>	Brown Nightjar							✓		✓						✓	✓		✓	✓	✓	✓					✓
<i>Caprimulgus nigriscapularis</i>	Black-shouldered Nightjar			✓		✓	✓	✓	✓	✓		✓			✓	✓	✓					✓	✓	✓	✓	✓	✓
<i>Caprimulgus prigoginei</i>	Itombwe Nightjar																					✓					✓
<i>Caprimulgus batesi</i>	Bates' Nightjar															✓	✓		✓	✓	✓	✓		✓			✓
<i>Telacanthura melanopygia</i>	Chapin's Spinetail						✓	✓	✓	✓						✓	✓		✓	✓	✓	✓					✓
<i>Rhaphidura sabini</i>	Sabine's Spinetail						✓	✓	✓	✓		✓				✓	✓		✓	✓	✓	✓		✓	✓		✓
<i>Neafrapus cassini</i>	Cassin's Spinetail						✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓		✓			✓
<i>Apus batesi</i>	Bates' Swift							✓		✓		✓				✓	✓		✓	✓	✓	✓					✓
<i>Apaloderma aequatoriale</i>	Bare-cheeked Trogon											✓				✓		✓	✓	✓	✓	✓					✓
<i>Alcedo leucogaster</i>	White-bellied Kingfisher			✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓		✓		✓	✓
<i>Ispidina lecontei</i>	Dwarf Kingfisher					✓	✓	✓	✓	✓		✓				✓	✓	✓		✓	✓	✓		✓			✓
<i>Halcyon badia</i>	Chocolate-backed Kingfisher					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓		✓			✓
<i>Merops gularis</i>	Black Bee-eater					✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓		✓			✓
<i>Merops muelleri</i>	Blue-headed Bee-eater					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓			✓		✓

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A05 – Guinea–Congo Forests biome ... continued (278 species in 26 range states)			Range state (ISO code)																								
			SN	GM	GW	GN	SL	LR	CI	GH	TG	BJ	NG	ML	BF	SD	CM	CF	GQ	GA	CG	CD	RW	BI	UG	KE	TZ
<i>Merops breweri</i>	Black-headed Bee-eater								✓					✓			✓		✓	✓	✓						✓
<i>Merops malimbicus</i>	Rosy Bee-eater									✓	✓	✓	✓						✓	✓	✓	✓					✓
<i>Eurystomus gularis</i>	Blue-throated Roller			✓	✓	✓	✓	✓	✓	✓		✓	✓			✓	✓	✓	✓	✓	✓			✓			✓
<i>Phoeniculus castaneiceps</i>	Forest Wood Hoopoe							✓	✓	✓						✓				✓	✓	✓			✓		
<i>Tockus albocristatus</i>	White-crested Hornbill				✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Tockus hartlaubi</i>	Black Dwarf Hornbill				✓	✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Tockus camurus</i>	Red-billed Dwarf Hornbill				✓	✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Tockus fasciatus</i>	Allied Hornbill	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Ceratogymna fistulator</i>	Piping Hornbill	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Ceratogymna subcylindricus</i>	Black-and-White Casqued Hornbill			✓		✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Ceratogymna cylindricus</i>	Brown-cheeked Hornbill				✓	✓	✓	✓	✓																		
<i>Ceratogymna albotibialis</i>	White-thighed Hornbill											✓	✓			✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Ceratogymna atrata</i>	Black-casqued Hornbill						✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Ceratogymna elata</i>	Yellow-casqued Hornbill	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓			✓											
<i>Gymnobucco calvus</i>	Naked-faced Barbet				✓	✓	✓	✓	✓	✓		✓				✓			✓	✓	✓						✓
<i>Gymnobucco peli</i>	Bristle-nosed Barbet					✓	✓	✓	✓	✓		✓				✓				✓	✓						✓
<i>Gymnobucco sladeni</i>	Sladen's Barbet																✓					✓					
<i>Pogoniulus scolopaceus</i>	Speckled Tinkerbird				✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
<i>Pogoniulus atroflavus</i>	Red-rumped Tinkerbird	✓			✓	✓	✓	✓	✓			✓	✓			✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Pogoniulus subsulphureus</i>	Yellow-throated Tinkerbird				✓	✓	✓	✓	✓		✓	✓	✓			✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Buccanodon duchaillui</i>	Yellow-spotted Barbet					✓	✓	✓	✓		✓					✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
<i>Tricholaema hirsuta</i>	Hairy-breasted Barbet	✓			✓	✓	✓	✓	✓	✓		✓	✓			✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
<i>Trachyphonus purpuratus</i>	Yellow-billed Barbet				✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Indicator maculatus</i>	Spotted Honeyguide	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Indicator willcocksi</i>	Willcocks' Honeyguide					✓	✓	✓	✓			✓				✓	✓		✓	✓	✓	✓	✓		✓		✓
<i>Melichneutes robustus</i>	Lyre-tailed Honeyguide					✓	✓	✓				✓				✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Melignomon eisentrauti</i>	Yellow-footed Honeyguide					✓	✓		✓							✓											
<i>Melignomon zenkeri</i>	Zenker's Honeyguide																✓	✓	✓	✓	✓	✓					
<i>Prodotiscus insignis</i>	Cassin's Honeyguide				✓	✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
<i>Sasia africana</i>	Piculet							✓	✓	✓						✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Campethera maculosa</i>	Golden-backed Woodpecker		✓		✓	✓	✓	✓	✓			✓															
<i>Campethera nivosa</i>	Buff-spotted Woodpecker	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
<i>Campethera caroli</i>	Brown-eared Woodpecker						✓	✓	✓			✓				✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
<i>Dendropicos gabonensis</i>	Gabon Woodpecker			✓	✓	✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓					
<i>Dendropicos pyrrhogaster</i>	Fire-bellied Woodpecker				✓	✓	✓	✓	✓	✓	✓	✓	✓			✓											
<i>Dendropicos xantholophus</i>	Yellow-crested Woodpecker											✓				✓	✓	✓		✓	✓	✓			✓	✓	✓
<i>Smithornis rufolateralis</i>	Rufous-sided Broadbill					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Smithornis sharpei</i>	Grey-headed Broadbill																✓	✓	✓	✓	✓	✓					
<i>Pitta reichenowi</i>	Green-breasted Pitta																✓								✓		
<i>Pseudochelidon eurystomina</i>	African River Martin																		✓	✓	✓						
<i>Riparia congica</i>	Congo Sand Martin																			✓	✓						
<i>Phedina brazzae</i>	Brazza's Martin																			✓	✓						
<i>Hirundo nigrita</i>	White-throated Blue Swallow						✓	✓	✓	✓		✓	✓			✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Hirundo fuliginosa</i>	Forest Swallow											✓				✓			✓	✓							
<i>Psaldoprocne nitens</i>	Square-tailed Sawwing					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓					✓
<i>Psaldoprocne obscura</i>	Fanti Sawwing	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓											
<i>Anthus pallidiventris</i>	Long-legged Pipit																✓		✓	✓	✓	✓					✓
<i>Coracina azurea</i>	Blue Cuckoo-shrike						✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓			✓		✓
<i>Campephaga petiti</i>	Petit's Cuckoo-shrike											✓				✓			✓	✓	✓	✓			✓	✓	✓
<i>Campephaga lobata</i>	Western Wattled Cuckoo-shrike						✓	✓	✓	✓																	
<i>Campephaga oriolina</i>	Eastern Wattled Cuckoo-shrike																✓	✓		✓	✓	✓					
<i>Andropadus gracilis</i>	Little Grey Greenbul					✓	✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
<i>Andropadus ansorgei</i>	Ansorge's Greenbul						✓	✓	✓	✓		✓				✓			✓	✓	✓	✓			✓		✓
<i>Andropadus curvirostris</i>	Cameroon Sombre Greenbul					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
<i>Calyptocichla serina</i>	Serine Greenbul					✓	✓	✓	✓	✓		✓				✓			✓	✓	✓	✓					✓

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

Scientific name	English name	Range state (ISO code)																									
		SN	GM	GW	GN	SL	LR	CI	GH	TG	BJ	NG	ML	BF	SD	CM	CF	GQ	GA	CG	CD	RW	BI	UG	KE	TZ	AO
<i>Baeopogon indicator</i>	Honeyguide Greenbul					✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓			✓	✓		✓
<i>Baeopogon clamans</i>	Sjöstedt's Honeyguide Greenbul														✓				✓	✓	✓						
<i>Ixonotus guttatus</i>	Spotted Greenbul					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓			✓		✓	✓
<i>Chlorocichla simplex</i>	Simple Greenbul			✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓			✓			✓
<i>Chlorocichla falkensteini</i>	Falkenstein's Greenbul															✓	✓	✓	✓	✓	✓						✓
<i>Thescelocichla leucopleura</i>	Swamp Palm Bulbul	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓			✓			✓
<i>Phyllastrephus scandens</i>	Leaflove	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓
<i>Phyllastrephus fulviventris</i>	Pale-olive Greenbul																				✓						✓
<i>Phyllastrephus baumanni</i>	Baumann's Greenbul						✓	✓	✓	✓	✓	✓															
<i>Phyllastrephus hypochloris</i>	Toro Olive-greenbul														✓							✓		✓	✓	✓	
<i>Phyllastrephus lorenzi</i>	Sassi's Greenbul																					✓		✓			
<i>Phyllastrephus albigularis</i>	White-throated Greenbul	✓			✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓		✓	✓	✓			✓			✓
<i>Phyllastrephus icterinus</i>	Icterine Greenbul					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓			✓		✓	✓
<i>Phyllastrephus leucolepis</i>	Liberian Greenbul							✓																			
<i>Phyllastrephus xavieri</i>	Xavier's Greenbul											✓				✓	✓		✓	✓	✓			✓		✓	
<i>Bleda syndactyla</i>	Bristlebill						✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
<i>Bleda eximia</i>	Green-tailed Bristlebill					✓	✓	✓	✓	✓																	
<i>Bleda canicapilla</i>	Grey-headed Bristlebill	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓															
<i>Bleda notata</i>	Lesser Bristlebill											✓			✓	✓	✓	✓	✓	✓	✓			✓		✓	✓
<i>Nicator chloris</i>	Western Nicator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓			✓		✓	✓
<i>Nicator vireo</i>	Yellow-throated Nicator															✓	✓	✓	✓	✓	✓			✓			✓
<i>Criniger barbatus</i>	Bearded Greenbul	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓															
<i>Criniger chloronotus</i>	Eastern Bearded Greenbul															✓		✓	✓	✓	✓			✓			
<i>Criniger calurus</i>	Red-tailed Greenbul	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓		✓	✓	✓			✓			✓
<i>Criniger olivaceus</i>	Yellow-throated Olive Greenbul					✓	✓	✓	✓	✓		✓															
<i>Criniger ndussumensis</i>	White-bearded Greenbul											✓				✓	✓		✓	✓	✓						
<i>Dryoscopus senegalensis</i>	Black-shouldered Puff-back											✓				✓	✓	✓	✓	✓	✓			✓			✓
<i>Dryoscopus sabini</i>	Sabine's Puff-back					✓	✓	✓	✓		✓	✓				✓	✓	✓	✓	✓	✓						✓
<i>Laniarius brauni</i>	Orange-breasted Bush-shrike																										✓
<i>Laniarius amboimensis</i>	Gabela Bush-shrike																										✓
<i>Laniarius turatii</i>	Turati's Boubou			✓	✓	✓																					
<i>Laniarius leucorhynchus</i>	Sooty Boubou			✓	✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓			✓			✓
<i>Telophorus bocagei</i>	Grey-green Bush-shrike															✓	✓	✓	✓	✓	✓			✓	✓		✓
<i>Malaconotus cruentus</i>	Fiery-breasted Bush-shrike					✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓			✓			✓
<i>Malaconotus monteiri</i>	Monteiro's Bush-shrike															✓											✓
<i>Prionops caniceps</i>	Northern Red-billed Helmet-shrike					✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓			✓			✓
<i>Prionops gabela</i>	Gabela Helmet-shrike																										✓
<i>Neocossyphus fraseri</i>	Rufous Ant Thrush					✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓			✓		✓	✓
<i>Neocossyphus poensis</i>	White-tailed Ant Thrush					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
<i>Zoothera oberlaenderi</i>	Forest Ground-thrush																					✓		✓			
<i>Zoothera camerounensis</i>	Black-eared Ground-thrush															✓			✓		✓			✓			
<i>Zoothera princei</i>	Grey Ground-thrush							✓	✓	✓	✓					✓			✓		✓			✓			
<i>Alethe diademata</i>	Fire-crested Alethe	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓			✓		✓	✓
<i>Stiphornis erythrothorax</i>	Forest Robin					✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
<i>Sheppardia cyornithopsis</i>	Akalat					✓	✓	✓	✓		✓					✓	✓	✓	✓	✓	✓			✓		✓	
<i>Sheppardia gabela</i>	Gabela Akalat																										✓
<i>Cossypha cyanocampter</i>	Blue-shouldered Robin-chat					✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	
<i>Cossypha heinrichi</i>	White-headed Robin-chat																					✓					✓
<i>Cercotrichas leucosticta</i>	Forest Scrub-robin						✓	✓	✓	✓			✓				✓				✓			✓			✓
<i>Illadopsis cleaveri</i>	Black-cap Illadopsis						✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓						
<i>Illadopsis albipectus</i>	Scaly-breasted Illadopsis														✓		✓				✓			✓	✓	✓	✓
<i>Illadopsis rufescens</i>	Rufous-winged Illadopsis	✓				✓	✓	✓	✓	✓	✓	✓															
<i>Illadopsis puveli</i>	Puvel's Illadopsis	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓					✓						
<i>Illadopsis fulvescens</i>	Brown Illadopsis	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
<i>Kupeornis chapini</i>	Chapin's Mountain-babbler																					✓					
<i>Phyllanthus atripennis</i>	Capuchin Babbler	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓					✓		✓				
<i>Picathartes gymnocephalus</i>	White-necked Rockfowl					✓	✓	✓	✓	✓																	

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

Scientific name		English name		Range state (ISO code)																								
				SN	GM	GW	GN	SL	LR	CI	GH	TG	BJ	NG	ML	BF	SD	CM	CF	GQ	GA	CG	CD	RW	BI	UG	KE	TZ
<i>Picathartes oreas</i>	Grey-necked Rockfowl																											
<i>Cisticola anonymus</i>	Chattering Cisticola																											
<i>Cisticola bulliens</i>	Bubbling Cisticola																											
<i>Prinia leontica</i>	White-eyed Prinia																											
<i>Apalis nigriceps</i>	Black-capped Apalis																											
<i>Apalis binotata</i>	Masked Apalis																											
<i>Apalis sharpei</i>	Sharpe's Apalis																											
<i>Apalis rufogularis</i>	Buff-throated Apalis																											
<i>Apalis bamendae</i>	Bamenda Apalis																											
<i>Apalis goslingi</i>	Gosling's Apalis																											
<i>Camaroptera supercilialis</i>	Yellow-browed Camaroptera																											
<i>Camaroptera chloronota</i>	Olive-green Camaroptera																											
<i>Bradypterus grandis</i>	Dja River Warbler																											
<i>Bathmocercus cerviniventris</i>	Black-capped Rufous Warbler																											
<i>Eremomela badiceps</i>	Rufous-crowned Eremomela																											
<i>Eremomela turneri</i>	Turner's Eremomela																											
<i>Sylvietta virens</i>	Green Crombec																											
<i>Sylvietta denti</i>	Lemon-bellied Crombec																											
<i>Macrosphenus kempii</i>	Kemp's Longbill																											
<i>Macrosphenus flavicans</i>	Yellow Longbill																											
<i>Macrosphenus concolor</i>	Grey Longbill																											
<i>Macrosphenus pulitzeri</i>	Pulitzer's Longbill																											
<i>Hylia prasina</i>	Green Hylia																											
<i>Phylloscopus budongoensis</i>	Uganda Woodland-warbler																											
<i>Hylia violacea</i>	Violet-backed Hylia																											
<i>Melaenornis annamarulae</i>	Nimba Flycatcher																											
<i>Fraseria ocreata</i>	Forest Flycatcher																											
<i>Fraseria cinerascens</i>	White-browed Forest Flycatcher																											
<i>Muscicapa ussheri</i>	Ussher's Flycatcher																											
<i>Muscicapa infuscata</i>	Sooty Flycatcher																											
<i>Muscicapa olivascens</i>	Olivaceous Flycatcher																											
<i>Muscicapa epulata</i>	Little Grey Flycatcher																											
<i>Muscicapa sethsmithi</i>	Yellow-footed Flycatcher																											
<i>Muscicapa comitata</i>	Dusky Blue Flycatcher																											
<i>Muscicapa tessmanni</i>	Tessmann's Flycatcher																											
<i>Muscicapa cassini</i>	Cassini's Grey Flycatcher																											
<i>Myioparus griseigularis</i>	Grey-throated Flycatcher																											
<i>Bias flammulatus</i>	Shrike-flycatcher																											
<i>Batis minima</i>	Gabon Batis																											
<i>Batis ituriensis</i>	Ituri Batis																											
<i>Batis occulta</i>	West African Batis																											
<i>Platysteira albirostris</i>	White-fronted Wattle-eye																											
<i>Platysteira castanea</i>	Chestnut Wattle-eye																											
<i>Platysteira tonsa</i>	White-spotted Wattle-eye																											
<i>Platysteira blissetti</i>	Red-cheeked Wattle-eye																											
<i>Platysteira chalybea</i>	Black-necked Wattle-eye																											
<i>Platysteira jamesoni</i>	Jameson's Wattle-eye																											
<i>Erythrocerus mcallii</i>	Chestnut-capped Flycatcher																											
<i>Trochocercus nigromitratus</i>	Dusky-crested Flycatcher																											
<i>Trochocercus nitens</i>	Blue-headed Crested Flycatcher																											
<i>Terpsiphone rufiventris</i>	Red-bellied Paradise-flycatcher																											
<i>Terpsiphone bedfordi</i>	Bedford's Paradise-flycatcher																											
<i>Terpsiphone rufocinerea</i>	Rufous-vented Paradise-flycatcher																											
<i>Parus funereus</i>	Dusky Tit																											
<i>Anthoscopus flavifrons</i>	Yellow-fronted Penduline Tit																											

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

Scientific name		English name		Range state (ISO code)																									
				SN	GM	GW	GN	SL	LR	CI	GH	TG	BJ	NG	ML	BF	SD	CM	CF	GQ	GA	CG	CD	RW	BI	UG	KE	TZ	AO
<i>Anthreptes fraseri</i>	Fraser's Sunbird				✓	✓	✓	✓	✓	✓		✓	✓				✓	✓	✓	✓	✓					✓		✓	
<i>Anthreptes gabonicus</i>	Brown Sunbird	✓	✓		✓	✓	✓	✓	✓			✓		✓			✓	✓	✓	✓	✓							✓	
<i>Anthreptes aurantium</i>	Violet-tailed Sunbird																✓	✓		✓	✓	✓					✓	✓	
<i>Anthreptes rectirostris</i>	Yellow-chinned Sunbird				✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	
<i>Nectarinia seimundi</i>	Little Green Sunbird					✓	✓	✓	✓	✓		✓			✓	✓	✓		✓	✓	✓	✓		✓			✓		
<i>Nectarinia batesi</i>	Bates' Sunbird						✓	✓	✓			✓				✓			✓	✓	✓							✓	
<i>Nectarinia reichenbachii</i>	Reichenbach's Sunbird						✓	✓	✓			✓				✓			✓	✓	✓							✓	
<i>Nectarinia cyanoaema</i>	Blue-throated Brown Sunbird				✓	✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	
<i>Nectarinia fuliginosa</i>	Carmelite Sunbird					✓	✓	✓	✓	✓	✓	✓				✓			✓	✓	✓	✓						✓	
<i>Nectarinia rubescens</i>	Green-throated Sunbird											✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Nectarinia adelberti</i>	Buff-throated Sunbird				✓	✓	✓	✓	✓	✓	✓	✓				✓												✓	
<i>Nectarinia minulla</i>	Tiny Sunbird					✓	✓	✓	✓			✓				✓			✓	✓	✓				✓				
<i>Nectarinia congensis</i>	Congo Black-bellied Sunbird																				✓	✓							
<i>Nectarinia johannae</i>	Johanna's Sunbird				✓	✓	✓	✓	✓	✓		✓	✓			✓		✓	✓	✓	✓	✓		✓		✓	✓	✓	
<i>Nectarinia superba</i>	Superb Sunbird				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	
<i>Pholidornis rufiae</i>	Tit-hylia				✓	✓	✓	✓	✓			✓				✓	✓		✓	✓	✓	✓						✓	
<i>Parmoptila rubrifrons</i>	Red-fronted Flower-pecker Weaver-finch					✓	✓	✓	✓			✓										✓							
<i>Parmoptila woodhousei</i>	Red-headed Flower-pecker Weaver-finch											✓				✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	
<i>Nigrita fusconota</i>	White-breasted Negro-finch				✓	✓	✓	✓	✓			✓	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Nigrita bicolor</i>	Chestnut-breasted Negro-finch	✓			✓	✓	✓	✓	✓	✓		✓	✓			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	
<i>Nigrita luteifrons</i>	Pale-fronted Negro-finch					✓		✓	✓			✓				✓	✓	✓	✓	✓	✓	✓		✓			✓	✓	
<i>Pyrenestes sanguineus</i>	Crimson Seed-cracker	✓	✓	✓		✓	✓	✓																					
<i>Spermophaga poliogenys</i>	Grant's Bluebill																				✓	✓				✓			
<i>Spermophaga haematina</i>	Bluebill	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓			✓		✓	✓	✓	✓	✓					✓	✓	
<i>Lagonosticta landanae</i>	Pale-billed Firefinch																				✓	✓						✓	
<i>Estrilda poliopareia</i>	Anambra Waxbill											✓																	
<i>Ploceus batesi</i>	Bates's Weaver																✓												
<i>Ploceus subpersonatus</i>	Loango Weaver																			✓		✓						✓	
<i>Ploceus aurantius</i>	Orange Weaver					✓	✓	✓	✓	✓		✓				✓	✓		✓	✓	✓	✓		✓		✓	✓	✓	
<i>Ploceus nigerrimus</i>	Vieillot's Black Weaver	✓			✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Ploceus aureonucha</i>	Golden-naped Weaver																					✓							
<i>Ploceus tricolor</i>	Yellow-mantled Weaver				✓	✓	✓	✓	✓	✓		✓			✓	✓	✓		✓	✓	✓	✓		✓			✓	✓	
<i>Ploceus albinucha</i>	Maxwell's Black Weaver					✓	✓	✓	✓			✓			✓	✓			✓	✓	✓	✓		✓				✓	
<i>Ploceus preussi</i>	Preuss's Golden-backed Weaver				✓	✓	✓	✓	✓							✓			✓	✓	✓	✓						✓	
<i>Ploceus dorsomaculatus</i>	Yellow-capped Weaver																✓	✓		✓	✓	✓							
<i>Ploceus flavipes</i>	Yellow-legged Weaver																					✓							
<i>Malimbus coronatus</i>	Red-crowned Malimbe																✓		✓	✓	✓	✓							
<i>Malimbus cassini</i>	Cassin's Malimbe											✓				✓	✓		✓	✓	✓								
<i>Malimbus ballmanni</i>	Gola Malimbe					✓	✓	✓																					
<i>Malimbus racheliae</i>	Rachel's Malimbe											✓				✓		✓	✓										
<i>Malimbus scutatus</i>	Red-vented Malimbe				✓	✓	✓	✓	✓		✓	✓			✓														
<i>Malimbus ibadanensis</i>	Ibadan Malimbe											✓																	
<i>Malimbus erythrogaster</i>	Red-bellied Malimbe											✓				✓	✓		✓	✓	✓	✓		✓					
<i>Malimbus nitens</i>	Blue-billed Malimbe	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Malimbus malimbicus</i>	Crested Malimbe				✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Malimbus rubricollis</i>	Red-headed Malimbe				✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Brachycope anomala</i>	Bob-tailed Weaver																✓				✓	✓							
<i>Poeoptera lugubris</i>	Narrow-tailed Starling					✓	✓	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓		✓			✓	✓	
<i>Onychognathus fulgidus</i>	Forest Chestnut-winged Starling				✓	✓	✓	✓	✓			✓				✓	✓		✓	✓	✓	✓		✓		✓	✓	✓	
<i>Lamprotornis cupreocauda</i>	Copper-tailed Glossy-starling				✓	✓	✓	✓	✓																				
<i>Lamprotornis purpureiceps</i>	Purple-headed Glossy-starling											✓				✓	✓	✓	✓	✓	✓	✓		✓			✓	✓	
<i>Oriolus brachyrhynchus</i>	Western Black-headed Oriole				✓	✓	✓	✓	✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<i>Oriolus nigripennis</i>	Black-winged Oriole				✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		✓			✓	✓	
<i>Dicrurus atripennis</i>	Shining Drongo				✓	✓	✓	✓	✓	✓	✓	✓					✓	✓		✓	✓	✓							

37 20 32 120 174 184 182 180 85 39 182 40 10 65 215 160 132 197 197 228 23 10 145 48 57 157

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A06 – Lake Victoria Basin biome (12 biome-restricted species in nine range states)

Scientific name	English name	CD	RW	BI	Range state (ISO code)					
					UG	KE	TZ	SD	CM	ZM
<i>Fringilla monticola</i>	Ring-necked Francolin		✓	✓	✓	✓	✓			✓
<i>Lybius rubrifacies</i>	Red-faced Barbet		✓		✓		✓			
<i>Laniarius mufumbiri</i>	Papyrus Gonolek	✓	✓	✓	✓	✓				
<i>Turdoides sharpei</i>	Sharpe's Pied-babbler	✓	✓	✓	✓	✓	✓			
<i>Cisticola carruthersi</i>	Carruthers's Cisticola	✓	✓	✓	✓	✓	✓			
<i>Bradypterus carpalis</i>	White-winged Warbler	✓	✓	✓	✓	✓				
<i>Chloropeta gracilirostris</i>	Papyrus Yellow Warbler	✓	✓	✓	✓	✓				✓
<i>Nectarinia erythrocerca</i>	Red-chested Sunbird	✓	✓	✓	✓	✓	✓	✓		
<i>Serinus koliensis</i>	Papyrus Canary	✓	✓	✓	✓	✓				
<i>Nesocharis ansorgei</i>	White-collared Oliveback	✓	✓	✓	✓		✓			
<i>Ploceus castanops</i>	Northern Brown-throated Weaver	✓	✓		✓	✓	✓			
<i>Ploceus spekeoides</i>	Fox's Weaver				✓					
		9	11	9	12	9	7	1	1	1

A07 – Afrotropical Highlands biome (228 species in 19 range states)

Scientific name	English name	CAM	ALB	Highland system (see end of table for explanation)						
				ETH	KEN	TAN	ZIM	ANG	SAF	
<i>Bostrychia carunculata</i>	Wattled Ibis			✓						
<i>Geronticus calvus</i>	Southern Bald Ibis									✓
<i>Cyanochen cyanopterus</i>	Blue-winged Goose			✓						
<i>Buteo oreophilus</i>	Mountain Buzzard		✓	✓	✓	✓				✓
<i>Fringilla monticola</i>	Moorland Francolin			✓	✓					
<i>Fringilla harwoodi</i>	Harwood's francolin			✓						
<i>Fringilla erckelii</i>	Erckel's Francolin			✓						
<i>Fringilla ochropectus</i>	Djibouti Francolin			✓						
<i>Fringilla castaneicollis</i>	Chestnut-naped Francolin			✓						
<i>Fringilla nobilis</i>	Handsome Francolin		✓							
<i>Fringilla camerunensis</i>	Mount Cameroon Francolin	✓								
<i>Fringilla swierstrai</i>	Swierstra's Francolin								✓	
<i>Xenoperdix udzungwensis</i>	Udzungwa Forest-partridge					✓				
<i>Sarothrura affinis</i>	Red-tailed Flufftail				✓	✓	✓			✓
<i>Rougetius rougetii</i>	Rouget's Rail			✓						
<i>Vanellus melanocephalus</i>	Spot-breasted Plover			✓						
<i>Columba albitorques</i>	White-collared Pigeon			✓						
<i>Columba sjostedti</i>	Cameroon Olive-pigeon	✓								
<i>Streptopelia lugens</i>	Pink-breasted Turtle Dove		✓	✓	✓	✓				
<i>Poicephalus flavifrons</i>	Yellow-fronted Parrot			✓						
<i>Agapornis taranta</i>	Black-winged Lovebird			✓						
<i>Tauraco corythaix</i>	Knysna Turaco									✓
<i>Tauraco bannermani</i>	Bannerman's Turaco	✓								
<i>Tauraco leucotis</i>	White-cheeked Turaco			✓						
<i>Tauraco hartlaubi</i>	Hartlaub's Turaco				✓					
<i>Musophaga johnstoni</i>	Ruwenzori Turaco		✓							
<i>Phodilus prigoginei</i>	Congo Bay-owl		✓							
<i>Bubo vosseleri</i>	Usambara Eagle-owl					✓				
<i>Glaucidium albertinum</i>	Albertine Owlet		✓							
<i>Asio abyssinicus</i>	Abyssinian Owl		✓	✓	✓					
<i>Caprimulgus poliocephalus</i>	Mountain Nightjar			✓	✓	✓			✓	
<i>Caprimulgus ruwenzorii</i>	Ruwenzori Nightjar		✓							
<i>Schoutedenapus myoptilus</i>	Scarce Swift	✓	✓	✓	✓		✓	✓		
<i>Schoutedenapus schoutedeni</i>	Schouteden's Swift		✓							
<i>Apus niansae</i>	Nyanza Swift		✓	✓	✓					
<i>Apaloderma vittatum</i>	Bar-tailed Trogon	✓	✓		✓	✓			✓	
<i>Merops oreobates</i>	Cinnamon-breasted Bee-eater		✓		✓	✓				
<i>Pogoniulus coryphaeus</i>	Western Green Tinkerbird	✓	✓						✓	
<i>Pogoniulus leucomystax</i>	Moustached Green Tinkerbird				✓	✓				
<i>Lybius undatus</i>	Banded Barbet			✓						
<i>Indicator pumilio</i>	Dwarf Honeyguide		✓							
<i>Campethera tullbergi</i>	Fine-banded Woodpecker	✓	✓		✓					
<i>Dendropicops abyssinicus</i>	Abyssinian Woodpecker			✓						
<i>Pseudocalyptomena graueri</i>	African Green Broadbill		✓							
<i>Heteromira ruddi</i>	Rudd's Lark									✓
<i>Spizocorys fringillaris</i>	Botha's Lark									✓

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A07 – Afrotropical Highlands biome ... continued (228 species in 19 range states)		Highland system (see end of table for explanation)							
Scientific name	English name	CAM	ALB	ETH	KEN	TAN	ZIM	ANG	SAF
<i>Hirundo atrocaerulea</i>	Blue Swallow					✓	✓		✓
<i>Psalidoprocne fuliginosa</i>	Mountain Sawwing	✓							
<i>Macronyx flavicollis</i>	Abyssinian Longclaw			✓					
<i>Macronyx sharpei</i>	Sharpe's Longclaw				✓				
<i>Anthus chloris</i>	Yellow-breasted Pipit								✓
<i>Anthus hoeschi</i>	Mountain Pipit								✓
<i>Coracina caesia</i>	Grey Cuckoo-shrike	✓	✓	✓	✓	✓	✓		✓
<i>Coracina graueri</i>	Grauer's Cuckoo-shrike		✓						
<i>Andropadus montanus</i>	Cameroon Greenbul	✓							
<i>Andropadus masukuensis</i>	Shelley's Greenbul		✓		✓	✓			
<i>Andropadus tephrolaemus</i>	Grey-throated Greenbul	✓							
<i>Andropadus nigriceps</i>	Eastern Mountain Greenbul		✓		✓	✓			
<i>Andropadus chlorigula</i>	Green-throated Greenbul					✓			
<i>Andropadus milanjensis</i>	Striped-cheeked Greenbul					✓	✓		
<i>Chlorocichla laetissima</i>	Joyful Greenbul		✓		✓				
<i>Chlorocichla prigoginei</i>	Prigogine's Greenbul		✓						
<i>Phyllastrephus poensis</i>	Cameroon Olive-greenbul	✓							
<i>Phyllastrephus poliocephalus</i>	Grey-headed Greenbul	✓							
<i>Phyllastrephus alfredi</i>	Sharpe's Greenbul					✓			
<i>Lanius marwitzi</i>	Uehe Fiscal					✓			
<i>Laniarius atroflavus</i>	Yellow-breasted Boubou	✓							
<i>Laniarius poensis</i>	Mountain Boubou	✓	✓						
<i>Laniarius fuelleborni</i>	Fuelleborn's Boubou					✓			
<i>Telophorus olivaceus</i>	Olive Bush-shrike					✓	✓		✓
<i>Telophorus kupeensis</i>	Mount Kupe Bush-shrike	✓							
<i>Telophorus dohertyi</i>	Doherty's Bush-shrike		✓		✓				
<i>Malaconotus gladiator</i>	Green-breasted Bush-shrike	✓							
<i>Malaconotus alius</i>	Uluguru Bush-shrike					✓			
<i>Prionops alberti</i>	Yellow-crested Helmet-shrike		✓						
<i>Chaetops aurantius</i>	Orange-breasted Rockjumper								✓
<i>Monticola rufocinereus</i>	Little Rock-thrush			✓	✓				
<i>Zoothera piaggiae</i>	Abyssinian Ground-thrush		✓	✓	✓				
<i>Zoothera tanganjicae</i>	Kivu Ground-thrush		✓						
<i>Zoothera crossleyi</i>	Crossley's Ground-thrush	✓							
<i>Zoothera gurneyi</i>	Orange Ground-thrush		✓		✓	✓	✓	✓	✓
<i>Turdus helleri</i>	Taita Thrush					✓			
<i>Alethe poliophrys</i>	Red-throated Alethe		✓						
<i>Alethe fuelleborni</i>	White-chested Alethe					✓			
<i>Alethe choloensis</i>	Thyolo Alethe					✓			
<i>Swynnertonia swynnertoni</i>	Swynnerton's Robin					✓	✓		
<i>Pogonocichla stellata</i>	White-starred Robin		✓		✓	✓	✓		✓
<i>Sheppardia aequatorialis</i>	Equatorial Akalat		✓		✓				
<i>Sheppardia sharpei</i>	Sharpe's Akalat					✓			
<i>Sheppardia montana</i>	Usambara Akalat					✓			
<i>Sheppardia lowei</i>	Iringa Akalat					✓			
<i>Cossypha isabellae</i>	Mountain Robin-chat	✓							
<i>Cossypha roberti</i>	White-bellied Robin-chat	✓	✓						
<i>Cossypha archeri</i>	Archer's Robin-chat		✓						
<i>Cossypha anomala</i>	Olive-flanked Robin-chat					✓			
<i>Cossypha semirufa</i>	Rüppell's Robin-chat			✓	✓				
<i>Cossypha dichroa</i>	Chorister Robin-chat								✓
<i>Xenocopsychus ansorgei</i>	Angola Cave-chat							✓	
<i>Saxicola bifasciata</i>	Buff-streaked Chat								✓
<i>Cercomela sordida</i>	Alpine Chat			✓	✓				
<i>Myrmecocichla melaena</i>	Rüppell's Chat			✓					
<i>Thamnotlaea semirufa</i>	White-winged Cliff Chat			✓					
<i>Modulatrix stictigula</i>	Spot-throat					✓			
<i>Modulatrix orostruthus</i>	Dappled Mountain-robin					✓			
<i>Illadopsis pyrrhoptera</i>	Mountain Illadopsis		✓		✓	✓			
<i>Pseudoalcippe abyssinica</i>	African Hill Babbler	✓	✓	✓	✓	✓		✓	
<i>Kakamega poliothorax</i>	Grey-chested Illadopsis	✓	✓		✓				
<i>Lioptilus nigricapillus</i>	Bush Blackcap								✓
<i>Kupeornis gilberti</i>	White-throated Mountain-babbler	✓							

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A07 – Afrotropical Highlands biome ... continued (228 species in 19 range states)

Scientific name	English name	Highland system (see end of table for explanation)							
		CAM	ALB	ETH	KEN	TAN	ZIM	ANG	SAF
<i>Kupeornis rufocinctus</i>	Red-collared Mountain-babbler		✓						
<i>Parophasma galinieri</i>	Abyssinian Catbird			✓					
<i>Cisticola discolor</i>	Brown-backed Cisticola	✓							
<i>Cisticola chubbi</i>	Chubb's Cisticola		✓		✓				
<i>Cisticola hunteri</i>	Hunter's Cisticola				✓				
<i>Cisticola nigriloris</i>	Black-lored Cisticola					✓			
<i>Cisticola njombe</i>	Churring Cisticola					✓			
<i>Cisticola aberdare</i>	Aberdare Cisticola				✓				
<i>Prinia robertsi</i>	Briar Warbler						✓		
<i>Urolais epichlora</i>	Green Longtail	✓							
<i>Apalis pulchra</i>	Black-collared Apalis	✓	✓		✓				
<i>Apalis ruwenzorii</i>	Collared Apalis		✓						
<i>Apalis fuscigularis</i>	Taita Apalis					✓			
<i>Apalis lynesii</i>	Namuli Apalis					✓			
<i>Apalis personata</i>	Black-faced Apalis		✓						
<i>Apalis argentea</i>	Kungwe Apalis		✓						
<i>Apalis porphyrolaema</i>	Chestnut-throated Apalis		✓		✓				
<i>Apalis kaboboensis</i>	Kabobo Apalis		✓						
<i>Apalis chapini</i>	Chapin's Apalis					✓			
<i>Apalis chirindensis</i>	Chirinda Apalis						✓		
<i>Bradypterus graueri</i>	Grauer's Swamp-warbler		✓						
<i>Bradypterus alfredi</i>	Bamboo Warbler		✓						
<i>Bradypterus sylvaticus</i>	Knysna Scrub-warbler								✓
<i>Bradypterus barratti</i>	Barratt's Warbler						✓		✓
<i>Bradypterus cinnamomeus</i>	Cinnamon Bracken-warbler		✓	✓	✓	✓			
<i>Bradypterus bangwaensis</i>	Bangwa Forest Warbler	✓							
<i>Bathmocercus winifredae</i>	Mrs Moreau's Warbler					✓			
<i>Chloropeta similis</i>	Mountain Yellow Warbler		✓		✓	✓			
<i>Orthotomus metopias</i>	African Tailorbird					✓			
<i>Orthotomus moreaui</i>	Long-billed Tailorbird					✓			
<i>Poliolais lopezi</i>	White-tailed Warbler	✓							
<i>Graueria vittata</i>	Grauer's Warbler		✓						
<i>Sylvietta chapini</i>	Chapin's Crombec		✓						
<i>Sylvietta leucophrys</i>	White-browed Crombec		✓		✓				
<i>Hemitesia neumanni</i>	Neumann's Warbler		✓						
<i>Phylloscopus laetus</i>	Red-faced Woodland-warbler		✓						
<i>Phylloscopus ruficapilla</i>	Yellow-throated Warbler					✓	✓		✓
<i>Phylloscopus herberti</i>	Black-capped Woodland-warbler	✓							
<i>Phylloscopus umbrovirens</i>	Brown Woodland-warbler		✓	✓	✓	✓			
<i>Sylvia lugens</i>	Brown Sylvia		✓	✓	✓	✓			
<i>Dioptrornis chocolatinus</i>	Abyssinian Slaty-flycatcher			✓					
<i>Dioptrornis fischeri</i>	White-eyed Slaty-flycatcher		✓		✓	✓			
<i>Dioptrornis brunneus</i>	Angola Slaty-flycatcher								✓
<i>Melaenornis ardesiacus</i>	Yellow-eyed Black-flycatcher		✓						
<i>Muscicapa lendu</i>	Chapin's Flycatcher		✓		✓				
<i>Batis diops</i>	Ruwenzori Batis		✓						
<i>Platysteira laticincta</i>	Banded Wattle-eye	✓							
<i>Trochocercus albiventris</i>	White-bellied Crested Flycatcher	✓	✓						
<i>Trochocercus albonotatus</i>	White-tailed Crested Flycatcher		✓		✓	✓	✓		
<i>Parus leuconotus</i>	White-backed Black Tit			✓					
<i>Parus fasciiventer</i>	Stripe-breasted Tit		✓						
<i>Anthreptes rubritorques</i>	Banded Sunbird					✓			
<i>Nectarinia oritis</i>	Cameroon Sunbird	✓							
<i>Nectarinia alinae</i>	Blue-headed Sunbird		✓						
<i>Nectarinia ursulae</i>	Ursula's Sunbird	✓							
<i>Nectarinia ludovicensis</i>	Montane Double-collared Sunbird								✓
<i>Nectarinia prigoginei</i>	Prigogine's Double-collared Sunbird		✓			✓			
<i>Nectarinia stuhlmanni</i>	Stuhlmann's Double-collared Sunbird		✓						
<i>Nectarinia graueri</i>	Grauer's Double-collared Sunbird		✓			✓			
<i>Nectarinia preussi</i>	Northern Double-collared Sunbird	✓	✓		✓				
<i>Nectarinia mediocris</i>	Eastern Double-collared Sunbird				✓	✓			
<i>Nectarinia regia</i>	Regal Sunbird		✓						
<i>Nectarinia loveridgei</i>	Loveridge's Sunbird					✓			

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A07 – Afrotropical Highlands biome ... continued (228 species in 19 range states)

Scientific name	English name	Highland system (see end of table for explanation)							
		CAM	ALB	ETH	KEN	TAN	ZIM	ANG	SAF
<i>Nectarinia moreaui</i>	Moreau's Sunbird					✓			
<i>Nectarinia rockefelleri</i>	Rockefeller's Sunbird		✓						
<i>Nectarinia rufipennis</i>	Rufous-winged Sunbird					✓			
<i>Nectarinia tacazze</i>	Tacazze Sunbird			✓	✓				
<i>Nectarinia purpureiventris</i>	Purple-breasted Sunbird		✓						
<i>Nectarinia kilimensis</i>	Bronze Sunbird		✓		✓	✓	✓	✓	
<i>Nectarinia reichenowi</i>	Golden-winged Sunbird		✓		✓	✓			
<i>Nectarinia johnstoni</i>	Scarlet-tufted Malachite Sunbird		✓		✓	✓			
<i>Speirops melanocephalus</i>	Mount Cameroon Speirops	✓							
<i>Zosterops kulalensis</i>	Kulal White-eye				✓				
<i>Zosterops poliogaster</i>	Montane White-eye			✓	✓				
<i>Zosterops winifredae</i>	South Pare White-eye					✓			
<i>Zosterops silvanus</i>	Taita White-eye					✓			
<i>Promerops gurneyi</i>	Gurney's Sugarbird						✓		✓
<i>Serinus nigriceps</i>	Black-headed Siskin			✓					
<i>Serinus citrinelloides</i>	African Citril			✓					
<i>Serinus frontalis</i>	Western Citril		✓		✓				
<i>Serinus hypostictus</i>	East African Citril				✓	✓			
<i>Serinus scotops</i>	Forest Canary								✓
<i>Serinus tristriatus</i>	Brown-rumped Seedeater			✓					
<i>Serinus flavigula</i>	Yellow-throated Serin			✓					
<i>Serinus xanthopygius</i>	White-throated Serin			✓					
<i>Serinus ankoberensis</i>	Ankober Serin			✓					
<i>Serinus striolatus</i>	Streaky Seedeater		✓	✓	✓	✓			
<i>Serinus whytii</i>	Yellow-browed Seedeater					✓			
<i>Serinus burtoni</i>	Thick-billed Seedeater	✓	✓		✓			✓	
<i>Serinus melanochrous</i>	Kipengere Seedeater					✓			
<i>Serinus symonsi</i>	Drakensberg Siskin								✓
<i>Linurgus olivaceus</i>	Oriole Finch	✓	✓		✓	✓			
<i>Nesocharis shelleyi</i>	Fernando Po Oliveback	✓							
<i>Cryptospiza reichenovii</i>	Red-faced Crimson-wing	✓	✓		✓	✓	✓	✓	
<i>Cryptospiza salvadorii</i>	Abyssinian Crimson-wing		✓	✓	✓				
<i>Cryptospiza jacksoni</i>	Dusky Crimson-wing		✓						
<i>Cryptospiza shelleyi</i>	Shelley's Crimson-wing		✓						
<i>Euschistospiza cinereovinacea</i>	Dusky Twinspot		✓					✓	
<i>Estrilda melanotis</i>	Swee Waxbill		✓	✓	✓	✓	✓	✓	✓
<i>Passer swainsonii</i>	Swainson's Sparrow			✓					
<i>Ploceus bannermani</i>	Bannerman's Weaver	✓							
<i>Ploceus baglafecht</i>	Baglafecht Weaver	✓	✓	✓	✓	✓			
<i>Ploceus bertrandi</i>	Bertram's Weaver					✓			
<i>Ploceus melanogaster</i>	Black-billed Weaver	✓	✓		✓				
<i>Ploceus alienus</i>	Strange Weaver		✓						
<i>Ploceus nicolli</i>	Tanzanian Mountain Weaver					✓			
<i>Ploceus insignis</i>	Brown-capped Weaver	✓	✓		✓			✓	
<i>Euplectes psammocromius</i>	Buff-shouldered Widowbird					✓			
<i>Euplectes jacksoni</i>	Jackson's Widowbird				✓				
<i>Poeoptera stuhlmanni</i>	Stuhlmann's Starling		✓	✓	✓				
<i>Poeoptera kenricki</i>	Kenrick's Starling				✓	✓			
<i>Onychognathus walleri</i>	Waller's Chestnut-winged Starling	✓	✓		✓	✓			
<i>Onychognathus tenuirostris</i>	Slender-billed Chestnut-winged Starling		✓	✓	✓	✓			
<i>Onychognathus albirostris</i>	White-billed Starling			✓					
<i>Cinnyricinclus sharpii</i>	Sharpe's Starling		✓	✓	✓	✓			
<i>Cinnyricinclus femoralis</i>	Abbott's Starling				✓				
<i>Oriolus monacha</i>	Abyssinian Black-headed Oriole			✓					
<i>Oriolus percivali</i>	Montane Oriole		✓		✓				
<i>Corvus crassirostris</i>	Thick-billed Raven			✓					
		44	93	55	69	76	18	16	24

CAM = 'Cameroon' highlands—range states: Cameroon, Nigeria.

ALB = Albertine Rift (from Lendu to Marungu)—range states: DR Congo, Rwanda, Burundi, Tanzania.

ETH = 'Ethiopian' highlands—range states: Ethiopia, Eritrea.

KEN = 'Kenyan' highlands (from Imatong Mountains to Mt Kilimanjaro)—range states: Sudan, Uganda, Kenya, Tanzania.

TAN = Tanganyika–Nyasa highlands (from Taita Hills to Mts Mulanje and Chiperone)—range states: Kenya, Tanzania, Malawi, Zambia, Mozambique.

ZIM = 'Zimbabwe' highlands (Chimanimanis)—range states: Zimbabwe, Mozambique.

ANG = Angola highlands—range state: Angola.

SAF = 'South African' highlands (Drakensburg, Waterburg, Pietersburg, Soutpansburg and forest outliers, e.g. Knysna)—range states: South Africa, Lesotho, Swaziland.

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A08 – Somali–Masai biome (129 biome-restricted species in 10 range states)											
Scientific name	English name	TD	SD	ET	ER	Range state (ISO code)					TZ
						DJ	SO	RW	UG	KE	
<i>Melierax poliopterus</i>	Eastern Chanting Goshawk			✓		✓	✓		✓	✓	✓
<i>Francolinus leucoscepus</i>	Yellow-necked Spurfowl		✓	✓	✓	✓	✓		✓	✓	✓
<i>Francolinus rufopictus</i>	Grey-breasted Spurfowl										✓
<i>Acryllium vulturinum</i>	Vulturine Guineafowl			✓			✓		✓	✓	✓
<i>Neotis heuglinii</i>	Heuglin's Bustard			✓		✓	✓			✓	
<i>Eupodotis gindiana</i>	Buff-crested Bustard		✓	✓		✓	✓		✓	✓	✓
<i>Eupodotis humilis</i>	Little Brown Bustard			✓			✓				
<i>Pterocles decoratus</i>	Black-faced Sandgrouse			✓			✓		✓	✓	✓
<i>Columba oliviae</i>	Somali Pigeon						✓				
<i>Streptopelia reichenowi</i>	White-winged Collared-dove			✓			✓			✓	
<i>Poicephalus rufiventris</i>	Orange-bellied Parrot			✓			✓			✓	✓
<i>Agapornis fischeri</i>	Fischer's Lovebird										✓
<i>Agapornis personatus</i>	Yellow-collared Lovebird										✓
<i>Tauraco ruspolii</i>	Prince Ruspoli's Turaco			✓							
<i>Corythaixoides leucogaster</i>	White-bellied Go-away Bird		✓	✓			✓		✓	✓	✓
<i>Caprimulgus fraenatus</i>	Dusky Nightjar		✓	✓	✓		✓			✓	✓
<i>Caprimulgus donaldsoni</i>	Donaldson-Smith's Nightjar		✓	✓			✓			✓	✓
<i>Caprimulgus solala</i>	Nechisar Nightjar			✓							
<i>Caprimulgus stellatus</i>	Star-spotted Nightjar		✓	✓						✓	
<i>Apus berliozii</i>	Forbes-Watson's Swift						✓				
<i>Colius leucocephalus</i>	White-headed Mousebird			✓			✓			✓	✓
<i>Merops revoilii</i>	Somali Bee-eater			✓			✓			✓	
<i>Phoeniculus somaliensis</i>	Grant's Wood Hoopoe		✓	✓	✓		✓				
<i>Rhinopomastus minor</i>	Abyssinian Scimitarbill		✓	✓			✓				
<i>Tockus flavirostris</i>	Northern Yellow-billed Hornbill		✓	✓	✓	✓	✓		✓	✓	✓
<i>Tockus jacksoni</i>	Jackson's Hornbill		✓						✓	✓	
<i>Tockus deckeni</i>	Von der Decken's Hornbill			✓			✓			✓	✓
<i>Tockus hemprichii</i>	Hemprich's Hornbill		✓	✓	✓	✓	✓		✓	✓	
<i>Tricholaema melanocephala</i>	Black-throated Barbet		✓	✓	✓	✓	✓			✓	✓
<i>Trachyphonus erythrocephalus</i>	Red-and-Yellow Barbet		✓	✓			✓		✓	✓	✓
<i>Trachyphonus darnaudii</i>	d'Arnaud's Barbet		✓	✓			✓		✓	✓	✓
<i>Trachyphonus usambiro</i>	Usambiro Barbet									✓	✓
<i>Mirafra williamsi</i>	Williams's Lark									✓	
<i>Mirafra pulpa</i>	Friedmann's Lark			✓						✓	
<i>Mirafra hypermetra</i>	Red-winged Bush Lark		✓	✓			✓		✓	✓	✓
<i>Mirafra somalica</i>	Somali Lark						✓				
<i>Mirafra ashi</i>	Ash's Lark						✓				
<i>Mirafra collaris</i>	Collared Lark			✓			✓			✓	
<i>Mirafra alopec</i>	Abyssinian Lark			✓			✓				
<i>Mirafra gilletti</i>	Gillett's Lark			✓			✓			✓	
<i>Mirafra poecilosterna</i>	Pink-breasted Lark		✓	✓			✓		✓	✓	✓
<i>Mirafra degodiensis</i>	Degodi Lark			✓							
<i>Heteromirafra archeri</i>	Archer's Lark						✓				
<i>Heteromirafra sidamoensis</i>	Sidamo Lark			✓							
<i>Eremopterix signata</i>	Chestnut-headed Sparrow-lark		✓	✓			✓			✓	
<i>Alaemon hamertoni</i>	Lesser Hoopoe Lark						✓				
<i>Calandrella somalica</i>	Somali Short-toed Lark			✓			✓			✓	✓
<i>Spizocorys obbiensis</i>	Obbia Lark						✓				
<i>Spizocorys personata</i>	Masked Lark			✓						✓	
<i>Pseudalaemon fremantlii</i>	Short-tailed Lark			✓			✓			✓	✓
<i>Hirundo megaensis</i>	White-tailed Swallow			✓							
<i>Tmetothylacus tenellus</i>	Golden Pipit		✓	✓			✓		✓	✓	✓
<i>Macronyx aurantiigula</i>	Pangani Longclaw						✓			✓	✓
<i>Lanius cabanisi</i>	Long-tailed Fiscal						✓			✓	✓
<i>Lanius dorsalis</i>	Taita Fiscal		✓	✓			✓		✓	✓	✓
<i>Lanius somalicus</i>	Somali Fiscal			✓		✓	✓			✓	
<i>Dryoscopus pringlii</i>	Pringle's Puff-back			✓			✓			✓	✓
<i>Tchagra jamesi</i>	Three-streaked Tchagra		✓	✓			✓		✓	✓	
<i>Laniarius ruficeps</i>	Red-naped Bush-shrike			✓			✓			✓	
<i>Laniarius liberatus</i>	Bulo Burti Bush-shrike						✓				
<i>Rhodophoneus cruentus</i>	Rosy-patched Shrike		✓	✓	✓	✓	✓			✓	✓
<i>Prionops poliophus</i>	Grey-crested Helmet-shrike									✓	✓
<i>Turdus tephronotus</i>	Bare-eyed Thrush			✓			✓			✓	✓
<i>Turdus ludoviciae</i>	Somali Thrush						✓				
<i>Oenanthe phillipsi</i>	Somali Wheatear			✓			✓				

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A08 – Somali–Masai biome ... continued (129 biome-restricted species in 10 range states)											
Scientific name	English name	Range state (ISO code)									
		TD	SD	ET	ER	DJ	SO	RW	UG	KE	TZ
<i>Cercomela scotocerca</i>	Brown-tailed Rock Chat	✓	✓	✓	✓		✓		✓	✓	
<i>Cercomela dubia</i>	Sombre Chat			✓			✓				
<i>Turdoides aylmeri</i>	Scaly Chatterer			✓			✓			✓	✓
<i>Turdoides rubiginosus</i>	Rufous Chatterer		✓	✓			✓		✓	✓	✓
<i>Turdoides leucopygius</i>	White-rumped Babbler		✓	✓	✓		✓				
<i>Turdoides hypoleucus</i>	Northern Pied-babbler									✓	✓
<i>Turdoides hindei</i>	Hinde's Pied-babbler									✓	
<i>Cisticola bodessa</i>	Boran Cisticola		✓	✓	✓					✓	
<i>Cisticola cinereolus</i>	Ashy Cisticola		✓	✓			✓			✓	✓
<i>Cisticola nanus</i>	Tiny Cisticola		✓	✓			✓			✓	✓
<i>Prinia somalica</i>	Pale Prinia		✓	✓			✓			✓	
<i>Apalis karamojae</i>	Karamoja Apalis								✓		✓
<i>Calamonastes simplex</i>	Grey Wren Warbler		✓	✓			✓		✓	✓	✓
<i>Eremomela flavicrissalis</i>	Yellow-vented Eremomela			✓			✓		✓	✓	✓
<i>Sylvietta philippae</i>	Somali Short-billed Crombec			✓			✓				
<i>Sylvietta isabellina</i>	Somali Long-billed Crombec			✓			✓			✓	✓
<i>Sylvia boehmi</i>	Banded Sylvia			✓			✓			✓	✓
<i>Bradornis microrhynchus</i>	Grey Flycatcher		✓	✓			✓		✓	✓	✓
<i>Batis perkeo</i>	Pygmy Batis		✓	✓			✓				✓
<i>Anthoscopus musculus</i>	Mouse-coloured Penduline Tit		✓	✓			✓		✓	✓	✓
<i>Parus fringillinus</i>	Red-throated Tit									✓	✓
<i>Parus thruppi</i>	Northern Grey Tit			✓			✓		✓	✓	✓
<i>Anthreptes orientalis</i>	Eastern Violet-backed Sunbird		✓	✓			✓	✓	✓	✓	✓
<i>Nectarinia hunteri</i>	Hunter's Sunbird		✓	✓			✓		✓	✓	✓
<i>Nectarinia habessinica</i>	Shining Sunbird		✓	✓	✓	✓	✓		✓	✓	✓
<i>Nectarinia nectarinioides</i>	Smaller Black-bellied Sunbird			✓			✓			✓	✓
<i>Zosterops abyssinicus</i>	Abyssinian White-eye		✓	✓	✓	✓	✓			✓	✓
<i>Emberiza poliopleura</i>	Somali Golden-breasted Bunting		✓	✓			✓		✓	✓	✓
<i>Serinus flavigula</i>	Yellow-throated Serin			✓							
<i>Serinus xantholaema</i>	Salvadori's Serin			✓							
<i>Serinus donaldsoni</i>	Abyssinian Grosbeak Canary			✓			✓			✓	
<i>Serinus buchani</i>	Kenyan Grosbeak Canary									✓	✓
<i>Serinus dorsostratus</i>	White-bellied Canary		✓	✓			✓		✓	✓	✓
<i>Rhynchostruthus socotranus</i>	Golden-winged Grosbeak						✓				
<i>Carduelis johannis</i>	Warsangli Linnet						✓				
<i>Uraeginthus cyanocephalus</i>	Blue-capped Cordon-bleu		✓	✓			✓			✓	✓
<i>Uraeginthus ianthinogaster</i>	Purple Grenadier		✓	✓			✓		✓	✓	✓
<i>Estrilda charmosyna</i>	Black-cheeked Waxbill		✓	✓			✓		✓	✓	✓
<i>Lonchura griseicapilla</i>	Grey-headed Silverbill		✓	✓						✓	✓
<i>Vidua hypocherina</i>	Steel-blue Whydah		✓	✓			✓		✓	✓	✓
<i>Vidua fischeri</i>	Straw-tailed Whydah		✓	✓			✓		✓	✓	✓
<i>Dinemellia dinemelli</i>	White-headed Buffalo Weaver		✓	✓		✓	✓		✓	✓	✓
<i>Passer castanopterus</i>	Somali Sparrow			✓		✓	✓			✓	
<i>Passer gongonensis</i>	Parrot-billed Sparrow		✓	✓			✓		✓	✓	✓
<i>Passer suahelicus</i>	Swahili Sparrow									✓	✓
<i>Plocepasser donaldsoni</i>	Donaldson-Smith's Sparrow-weaver			✓			✓			✓	
<i>Histurgops ruficauda</i>	Rufous-tailed Weaver										✓
<i>Pseudonigrita cabanisi</i>	Black-capped Social Weaver			✓			✓			✓	✓
<i>Ploceus bojeri</i>	Golden Palm Weaver			✓			✓			✓	
<i>Ploceus castaneiceps</i>	Taveta Golden-weaver									✓	✓
<i>Ploceus galbula</i>	Rüppell's Weaver		✓	✓	✓	✓	✓			✓	✓
<i>Ploceus spekei</i>	Speke's Weaver		✓	✓			✓			✓	✓
<i>Ploceus dichrocephalus</i>	Salvadori's Weaver			✓			✓			✓	✓
<i>Euplectes diadematus</i>	Fire-fronted Bishop						✓			✓	✓
<i>Onychognathus blythii</i>	Somali Chestnut-winged Starling			✓	✓	✓	✓				
<i>Onychognathus salvadorii</i>	Bristle-crowned Starling			✓			✓		✓	✓	
<i>Lamprotornis shelleyi</i>	Shelley's Starling		✓	✓			✓			✓	✓
<i>Lamprotornis hildebrandti</i>	Hildebrandt's Starling									✓	✓
<i>Speculipastor bicolor</i>	Magpie Starling		✓	✓			✓		✓	✓	✓
<i>Spreo fischeri</i>	Fischer's Starling			✓			✓			✓	✓
<i>Spreo albicapillus</i>	White-crowned Starling			✓		✓	✓			✓	
<i>Cosmopsarus regius</i>	Golden-breasted Starling			✓			✓			✓	✓
<i>Cosmopsarus unicolor</i>	Ashy Starling									✓	✓
<i>Zavattariornis stresemanni</i>	Ethiopian Bush-crow			✓							
		1	49	98	14	16	99	1	37	96	74

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A09 – East African Coast biome (36 biome-restricted species in eight range states)		Range state (ISO code)														
Scientific name	English name	ET	SO	KE	TZ	MW	MZ	ZW	ZA							
<i>Circaetus fasciolatus</i>	Southern Banded Snake Eagle		✓	✓	✓		✓	✓	✓							
<i>Poicephalus cryptoxanthus</i>	Brown-headed Parrot			✓	✓	✓	✓	✓	✓							
<i>Tauraco fischeri</i>	Fischer's Turaco		✓	✓	✓											
<i>Otus ireneae</i>	Sokoke Scops-owl			✓												
<i>Halcyon senegaloides</i>	Mangrove Kingfisher		✓	✓	✓		✓		✓							
<i>Pogoniulus simplex</i>	Eastern Green Tinkerbird			✓	✓	✓	✓									
<i>Lybius melanopterus</i>	Brown-breasted Barbet		✓	✓	✓	✓	✓									
<i>Campethera mombassica</i>	Mombasa Woodpecker		✓	✓	✓											
<i>Anthus melindae</i>	Malindi Pipit		✓	✓												
<i>Anthus sokokensis</i>	Sokoke Pipit			✓	✓											
<i>Phyllastrephus fischeri</i>	Fischer's Greenbul		✓	✓	✓		✓									
<i>Phyllastrephus debilis</i>	Tiny Greenbul			✓	✓		✓	✓								
<i>Telophorus quadricolor</i>	Four-coloured Bush-shrike		✓	✓	✓	✓	✓	✓	✓							
<i>Prionops scopifrons</i>	Chestnut-fronted Helmet-shrike		✓	✓	✓		✓	✓	✓							
<i>Sheppardia gunningi</i>	East Coast Akalat			✓	✓	✓	✓									
<i>Turdoides squamulatus</i>	Scaly Babbler	✓	✓	✓												
<i>Cisticola restrictus</i>	Tana River Cisticola			✓												
<i>Apalis chariessa</i>	White-winged Apalis			✓	✓	✓	✓									
<i>Apalis ruddi</i>	Rudd's Apalis					✓	✓		✓							
<i>Macrosphenus kretschmeri</i>	Kretschmer's Longbill			✓	✓		✓									
<i>Batis fratrum</i>	Woodward's Batis					✓	✓	✓	✓							
<i>Batis soror</i>	Mozambique Batis			✓	✓	✓	✓	✓								
<i>Erythrocerus holochlorus</i>	Little Yellow Flycatcher		✓	✓	✓											
<i>Anthreptes reichenowi</i>	Plain-backed Sunbird			✓	✓		✓	✓	✓							
<i>Anthreptes neglectus</i>	Uluguru Violet-backed Sunbird			✓	✓		✓									
<i>Anthreptes pallidigaster</i>	Amani Sunbird			✓	✓											
<i>Nectarinia veroxii</i>	Grey Sunbird			✓	✓	✓	✓		✓							
<i>Nectarinia neergaardi</i>	Neergaard's Sunbird						✓		✓							
<i>Nectarinia chalcomelas</i>	Violet-breasted Sunbird		✓	✓	✓											
<i>Serinus citrinipectus</i>	Lemon-breasted Seedeater					✓	✓	✓	✓							
<i>Pyrenestes minor</i>	Lesser Seed-cracker				✓	✓	✓	✓								
<i>Hypargos margaritatus</i>	Pink-throated Twinspot						✓		✓							
<i>Ploceus golandii</i>	Clarke's Weaver			✓												
<i>Euplectes nigroventris</i>	Zanzibar Red Bishop			✓	✓		✓									
<i>Lamprotornis corruscus</i>	Black-bellied Glossy-starling		✓	✓	✓		✓	✓	✓							
<i>Oriolus chlorocephalus</i>	Green-headed Oriole			✓	✓	✓	✓									
		1	13	30	26	13	26	11	15							
A10 – Zambezan biome (67 biome-restricted species in 15 range states)		Range state (ISO code)														
Scientific name	English name	GA	CG	CD	RW	BI	UG	TZ	AO	ZM	MW	MZ	NA	BW	ZW	ZA
<i>Falco dickinsoni</i>	Dickinson's Kestrel			✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Agapornis nigrigenis</i>	Black-cheeked Lovebird									✓						
<i>Agapornis lilianae</i>	Lilian's Lovebird							✓		✓	✓	✓			✓	
<i>Tauraco erythrolophus</i>	Red-crested Turaco								✓							
<i>Centropus cupreicaudus</i>	Coppery-tailed Coucal			✓				✓	✓	✓			✓	✓	✓	
<i>Colius castanotus</i>	Red-backed Mousebird			✓					✓							
<i>Merops boehmi</i>	Boehm's Bee-eater			✓				✓		✓	✓	✓				
<i>Coracias spatulata</i>	Racket-tailed Roller			✓				✓	✓	✓	✓	✓		✓	✓	✓
<i>Tockus bradfieldi</i>	Bradfield's Hornbill								✓	✓			✓	✓	✓	
<i>Tockus pallidirostris</i>	Pale-billed Hornbill			✓				✓	✓	✓	✓	✓				
<i>Stactolaema anchietae</i>	Anchieta's Barbet			✓					✓	✓						
<i>Stactolaema whytii</i>	Whyte's Barbet							✓		✓	✓	✓			✓	
<i>Pogoniulus makawai</i>	White-chested Tinkerbird									✓						
<i>Tricholaema frontata</i>	Miombo Pied Barbet			✓				✓	✓	✓	✓					
<i>Lybius chaplini</i>	Chaplin's Barbet									✓						
<i>Lybius minor</i>	Black-backed Barbet	✓	✓	✓		✓		✓	✓	✓	✓					
<i>Dendropicos stierlingi</i>	Stierling's Woodpecker							✓			✓	✓				
<i>Mirafra angolensis</i>	Angola Lark			✓				✓	✓	✓						
<i>Hirundo nigrorufa</i>	Black and Rufous Swallow			✓				✓	✓							
<i>Hirundo rufigula</i>	Red-throated Cliff Swallow	✓	✓	✓				✓	✓							
<i>Macronyx fuellebornii</i>	Fuelleborn's Longclaw			✓				✓	✓	✓						
<i>Macronyx grimwoodi</i>	Grimwood's Longclaw			✓					✓	✓						

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A10 – Zambezi biome ... continued (67 biome-restricted species in 15 range states)		Range state (ISO code)														
Scientific name	English name	GA	CG	CD	RW	BI	UG	TZ	AO	ZM	MW	MZ	NA	BW	ZW	ZA
<i>Lanius souzae</i>	Souza's Shrike		✓	✓	✓			✓	✓	✓	✓	✓		✓		
<i>Monticola angolensis</i>	Miombo Rock-thrush			✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	
<i>Cossypha humeralis</i>	White-throated Robin-chat											✓		✓	✓	✓
<i>Cercotrichas barbata</i>	Central Bearded Scrub-robin			✓		✓		✓	✓	✓	✓	✓				
<i>Mymecocichla arnotti</i>	Arnot's Chat			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Pinarornis plumosus</i>	Boulder Chat									✓	✓	✓		✓	✓	
<i>Turdus libonyana</i>	Kurrichane Thrush		✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Turdoides melanops</i>	Black-lored Babbler								✓				✓	✓		
<i>Turdoides hartlaubii</i>	Angola Babbler			✓	✓	✓		✓	✓	✓			✓	✓		
<i>Cisticola pipiens</i>	Chirping Cisticola			✓		✓		✓	✓	✓			✓	✓	✓	
<i>Cisticola angusticauda</i>	Tabora Cisticola			✓	✓			✓		✓						
<i>Cisticola melanura</i>	Slender-tailed Cisticola			✓					✓							
<i>Cisticola dambo</i>	Black-tailed Cisticola			✓					✓	✓						
<i>Calamonastes undosus</i>	Miombo Barred Warbler			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Eremomela atricollis</i>	Black-collared Eremomela			✓					✓	✓						
<i>Sylvietta ruficapilla</i>	Red-capped Crombec		✓	✓				✓	✓	✓	✓	✓	✓	✓		
<i>Phylloscopus laurae</i>	Laura's Warbler			✓				✓	✓	✓						
<i>Muscicapa boehmi</i>	Boehm's Flycatcher			✓				✓	✓	✓	✓					
<i>Batis margaritae</i>	Margaret's Batis			✓					✓	✓						
<i>Parus rufiventris</i>	Rufous-bellied Tit		✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	
<i>Parus griseiventris</i>	Miombo Grey Tit			✓				✓	✓	✓	✓	✓			✓	
<i>Anthreptes anchietae</i>	Red-and-Blue Sunbird			✓				✓	✓	✓	✓	✓				
<i>Nectarinia bannermani</i>	Bannerman's Sunbird			✓					✓	✓						
<i>Nectarinia talatala</i>	White-bellied Sunbird			✓				✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Nectarinia oustaleti</i>	Oustalet's White-bellied Sunbird							✓	✓	✓	✓					
<i>Nectarinia manoensis</i>	Miombo Double-collared Sunbird			✓				✓	✓	✓	✓	✓		✓	✓	
<i>Nectarinia bocagii</i>	Bocage's Sunbird			✓					✓							
<i>Nectarinia shelleyi</i>	Shelley's Sunbird			✓				✓		✓	✓	✓			✓	
<i>Serinus mennelli</i>	Black-eared Seed eater			✓				✓	✓	✓	✓	✓		✓	✓	
<i>Lagonosticta nitidula</i>	Brown Firefinch			✓					✓	✓			✓	✓	✓	
<i>Estrilda nigriloris</i>	Black-lored Waxbill			✓												
<i>Vidua codringtoni</i>	Green Indigobird										✓				✓	
<i>Vidua obtusa</i>	Broad-tailed Paradise Whydah			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<i>Plocepasser rufoscapulatus</i>	Chestnut-mantled Sparrow-weaver			✓					✓	✓	✓					
<i>Ploceus temporalis</i>	Bocage's Weaver			✓					✓	✓						
<i>Ploceus burnieri</i>	Kilombero Weaver							✓								
<i>Ploceus katangae</i>	Katanga Masked-weaver			✓						✓						
<i>Ploceus ruweti</i>	Lake Lufira Weaver			✓												
<i>Ploceus reichardi</i>	Tanzania Masked-weaver							✓								
<i>Ploceus olivaceiceps</i>	Olive-headed Weaver							✓		✓	✓	✓				
<i>Ploceus angolensis</i>	Bar-winged Weaver			✓					✓	✓						
<i>Euplectes aureus</i>	Golden-backed Bishop								✓							
<i>Lamprotornis acuticaudus</i>	Sharp-tailed Starling			✓				✓	✓	✓			✓	✓		
<i>Lamprotornis mevesii</i>	Southern Long-tailed Starling								✓	✓	✓	✓	✓	✓	✓	✓
<i>Neocichla gutturalis</i>	White-winged Starling							✓	✓	✓	✓					
		2	6	47	7	8	2	37	49	54	33	26	16	23	23	9
A11 – Kalahari–Highveld biome (13 biome-restricted species in seven range states)		Range state (ISO code)														
Scientific name	English name	AO	ZM	MZ	NA	BW	ZW	ZA								
<i>Francolinus hartlaubii</i>	Hartlaub's Francolin	✓														
<i>Pterocles burchelli</i>	Burchell's Sandgrouse	✓			✓	✓	✓	✓								
<i>Poicephalus rueppellii</i>	Rüppell's Parrot	✓			✓											
<i>Tockus monteiri</i>	Monteiro's Hornbill	✓			✓											
<i>Certhilauda chuana</i>	Short-clawed Lark					✓		✓								
<i>Lanioturdus torquatus</i>	White-tailed Shrike	✓				✓										
<i>Cercotrichas paena</i>	Kalahari Scrub-robin	✓			✓	✓	✓	✓								
<i>Turdoides gymnogenys</i>	Bare-cheeked Babbler	✓			✓											
<i>Calamonastes fasciolatus</i>	Southern Barred Warbler	✓			✓	✓	✓	✓								
<i>Achaetops pycnopygius</i>	Damara Rockjumper	✓			✓											
<i>Estrilda thomensis</i>	Cinderella Waxbill	✓														
<i>Philetairus socius</i>	Sociable Weaver				✓	✓		✓								
<i>Lamprotornis australis</i>	Burchell's Starling	✓	✓	✓	✓	✓		✓								
		11	1	1	10	7	3	6								

Appendix 5 ... continued. The distribution in Africa of avian biomes, and their associated biome-restricted bird species, by country. Part 2 ... continued. The distribution of biome-restricted species, by range state¹.

A12 – Namib–Karoo biome (23 biome-restricted species in four range states)				A14 – West Malagasy biome ... continued (24 biome-restricted species in one range state)				
Scientific name	English name	Range state (ISO code)				Scientific name	English name	Range state (ISO code)
		AO	NA	BW	ZA			
<i>Neotis ludwigii</i>	Ludwig's Bustard	✓	✓			<i>Xenopirostris damii</i>	Van Dam's Vanga	✓
<i>Eupodotis rueppellii</i>	Rüppell's Korhaan	✓	✓			<i>Falco pinnatus</i>	Sickle-billed Vanga	✓
<i>Eupodotis vigorsii</i>	Karoo Korhaan			✓	✓	<i>Monticola imerinus</i>	Littoral Rock-thrush	✓
<i>Certhilauda erythroclamys</i>	Dune Lark			✓		<i>Nesillas lantzii</i>	Lantz's Brush-warbler	✓
<i>Certhilauda curvirostris</i>	Cape Long-billed Lark			✓	✓	<i>Thamnornis chloropetoides</i>	Thamnornis Warbler	✓
<i>Certhilauda subcoronata</i>	Karoo Long-billed Lark			✓	✓	<i>Newtonia archboldi</i>	Archbold's Newtonia	✓
<i>Certhilauda albescens</i>	Karoo Lark				✓	<i>Ploceus sakalava</i>	Sakalava Weaver	✓
<i>Certhilauda barlowi</i>	Barlow's Lark			✓	✓			24
<i>Certhilauda burra</i>	Red Lark				✓	A15 – East Malagasy biome (46 biome-restricted species in one range state)		
<i>Eremopterix australis</i>	Black-eared Sparrow-Lark			✓	✓			Range state (ISO code)
<i>Ammomanes grayi</i>	Gray's Lark	✓	✓			Scientific name	English name	MG
<i>Spizocorys sclateri</i>	Sclater's Lark			✓	✓	<i>Tachybaptus rufolavatus</i>	Alaotra Grebe	✓
<i>Eremalauda starki</i>	Stark's Lark	✓	✓	✓	✓	<i>Anas melleri</i>	Meller's Duck	✓
<i>Namibornis herero</i>	Herero Chat	✓	✓			<i>Aythya innotata</i>	Madagascar Pochard	✓
<i>Cercomela sinuata</i>	Sickle-winged Chat			✓	✓	<i>Eutriorchis astur</i>	Madagascar Serpent-eagle	✓
<i>Cercomela schlegelii</i>	Karoo Chat	✓	✓		✓	<i>Mesitornis unicolor</i>	Brown Mesite	✓
<i>Cercomela tractrac</i>	Tractrac Chat	✓	✓		✓	<i>Sarothrura insularis</i>	Madagascar Flufftail	✓
<i>Phragmacia substriata</i>	Namaqua Prinia			✓	✓	<i>Sarothrura watersi</i>	Slender-billed Flufftail	✓
<i>Euryptila subcinnamomea</i>	Cinnamon-breasted Warbler			✓	✓	<i>Canirallus kioloides</i>	Madagascar Grey-throated Rail	✓
<i>Eremomela gregalis</i>	Karoo Eremomela			✓	✓	<i>Rallus madagascariensis</i>	Madagascar Rail	✓
<i>Sylvia layardi</i>	Layard's Tit-babbler			✓	✓	<i>Gallinago macrodactyla</i>	Madagascar Snipe	✓
<i>Serinus alario</i>	Black-headed Canary			✓	✓	<i>Alectroenas madagascariensis</i>	Madagascar Blue-pigeon	✓
<i>Onychognathus naboroupp</i>	Pale-winged Starling	✓	✓		✓	<i>Coua delalandei</i>	Snail-eating Coua	✓
		8	21	2	19	<i>Coua serriana</i>	Red-breasted Coua	✓
A13 – Fynbos biome (nine biome-restricted species in two range states)								
Scientific name	English name	Range state (ISO code)		Scientific name	English name	Range state (ISO code)	MG	
		NA	ZA					
<i>Francolinus capensis</i>	Cape Francolin		✓	<i>Coua reynaudii</i>	Red-fronted Coua	✓	✓	
<i>Certhilauda brevirostris</i>	Agulhas Long-billed lark			<i>Coua caerulea</i>	Blue Coua	✓	✓	
<i>Pycnonotus capensis</i>	Cape Bulbul			<i>Tyto soumagnei</i>	Madagascar Red Owl	✓	✓	
<i>Chaetops frenatus</i>	Rufous Rockjumper			<i>Caprimulgus enarratus</i>	Collared Nightjar	✓	✓	
<i>Bradypterus victorini</i>	Victorin's Scrub-warbler			<i>Brachypteracias leptosomus</i>	Short-legged Ground-roller	✓	✓	
<i>Nectarinia violacea</i>	Orange-breasted Sunbird			<i>Brachypteracias squamigera</i>	Scaly Ground-roller	✓	✓	
<i>Promerops cafer</i>	Cape Sugarbird			<i>Atelornis pittoides</i>	Pitta-like Ground-roller	✓	✓	
<i>Serinus leucopterus</i>	Protea Canary			<i>Atelornis crossleyi</i>	Rufous-headed Ground-roller	✓	✓	
<i>Serinus totta</i>	Cape Siskin			<i>Philepitta castanea</i>	Velvet Asity	✓	✓	
			1	9	<i>Neodrepanis coruscans</i>	Wattled Asity	✓	
A14 – West Malagasy biome (24 biome-restricted species in one range state)								
Scientific name	English name	Range state (ISO code)		Scientific name	English name	Range state (ISO code)	MG	
		NA	ZA					
<i>Ardea humbloti</i>	Madagascar Heron			<i>Phyllastrephus zosterops</i>	Short-billed Greenbul	✓	✓	
<i>Anas bernieri</i>	Madagascar Teal			<i>Phyllastrephus tenebrosus</i>	Dusky Greenbul	✓	✓	
<i>Haliaeetus vociferoides</i>	Madagascar Fish-eagle			<i>Phyllastrephus cinereiceps</i>	Grey-crowned Greenbul	✓	✓	
<i>Mesitornis variegata</i>	White-breasted Mesite			<i>Xenopirostris polleni</i>	Pollen's Vanga	✓	✓	
<i>Monias benschi</i>	Subdesert Mesite			<i>Oriolia bernieri</i>	Bernier's Vanga	✓	✓	
<i>Amaurornis olivieri</i>	Sakalava Rail			<i>Euryceros prevostii</i>	Helmet Vanga	✓	✓	
<i>Charadrius thoracicus</i>	Madagascar Plover			<i>Hypositta corallirostris</i>	Nuthatch Vanga	✓	✓	
<i>Coua gigas</i>	Giant Coua			<i>Monticola sharpei</i>	Forest Rock-thrush	✓	✓	
<i>Coua coquereli</i>	Coquerel's Coua			<i>Neomixis viridis</i>	Green Jery	✓	✓	
<i>Coua cursor</i>	Running Coua			<i>Hartertula flavoviridis</i>	Wedge-tailed Jery	✓	✓	
<i>Coua ruficeps</i>	Red-capped Coua			<i>Oxylabes madagascariensis</i>	White-throated Oxylabes	✓	✓	
<i>Coua verreauxi</i>	Verreaux's Coua			<i>Crossleyia xanthophrys</i>	Madagascar Yellowbrow	✓	✓	
<i>Uratelornis chimaera</i>	Long-tailed Ground-roller			<i>Mystacornis crossleyi</i>	Crossley's Babbler	✓	✓	
<i>Philepitta schlegelii</i>	Schlegel's Asity			<i>Dromaeocercus brunneus</i>	Brown Emu-tail	✓	✓	
<i>Phyllastrephus apperti</i>	Appert's Greenbul			<i>Randia pseudozosterops</i>	Rand's Warbler	✓	✓	
<i>Calicalicus rufocarpalis</i>	Red-shouldered Vanga			<i>Amphilais seebohmi</i>	Grey Emu-tail	✓	✓	
<i>Xenopirostris xenopirostris</i>	Lafresnaye's Vanga			<i>Cryptosylvicola randrianasoloi</i>	Cryptic Warbler	✓	✓	
				<i>Newtonia amphichroa</i>	Dark Newtonia	✓	✓	
				<i>Newtonia fanovanae</i>	Red-tailed Newtonia	✓	✓	
				<i>Pseudobias wardi</i>	Ward's Flycatcher	✓	✓	
				<i>Ploceus nelicourvi</i>	Nelicourvi Weaver	✓	✓	
				<i>Foudia omissa</i>	Forest Fody	✓	✓	
							46	