

Table S1: Species captured, their guild, their capturing location, number of individuals per species per location and references to support their classification into guilds.

Species	Scientific Name	Guild	Location	N	Reference(s)
Green Headed Sunbird	<i>Cyanomitra verticalis</i>	Nectarivore	Naraguta	1	b,g
Scarlet-chested Sunbird	<i>Chalcomitra senegalensis</i>	Nectarivore	Amurum	2	b,g
Scarlet-chested Sunbird	<i>Chalcomitra senegalensis</i>	Nectarivore	Naraguta	4	b,g
Variable sunbird	<i>Cinnyris venustus</i>	Nectarivore	Amurum	1	b,g
Bearded Barbet	<i>Lybius dubius</i>	Frugivore	Amurum	1	a
Speckled Mousebird	<i>Colius striatus</i>	Frugivore	Naraguta	2	a,j
Speckled Mousebird	<i>Colius striatus</i>	Frugivore	Amurum	3	a,j
Yellow-Fronted Tinkerbird	<i>Pogoniulus chrysoconus</i>	Frugivore	Naraguta	7	a
Yellow-Fronted Tinkerbird	<i>Pogoniulus chrysoconus</i>	Frugivore	Amurum	1	a
Adamawa Turtle dove	<i>Streptopelia hypopyrrha</i>	Granivore	Naraguta	1	e,i
Northern Red Bishop	<i>Euplectes franciscanus</i>	Granivore	Naraguta	5	c
Red-billed Firefinch	<i>Lagonosticta senegala</i>	Granivore	Naraguta	5	c
Red-Cheeked Cordon Bleu	<i>Uraeginthus bengalus</i>	Granivore	Amurum	5	c
Red-Cheeked Cordon Bleu	<i>Uraeginthus bengalus</i>	Granivore	Amurum	6	c
Red-billed Firefinch	<i>Lagonosticta senegala</i>	Granivore	Naraguta	3	c
African Thrush	<i>Turdus pelios</i>	Omnivores	Amurum	6	d
African Thrush	<i>Turdus pelios</i>	Omnivores	Naraguta	3	d
Black Necked Weaver	<i>Ploceus nigricollis</i>	Omnivores	Naraguta	1	c
Common Bulbul	<i>Pycnonotus barbatus</i>	Omnivores	Amurum	1	b
Common Bulbul	<i>Pycnonotus barbatus</i>	Omnivores	Naraguta	4	b
Little Weaver	<i>Ploceus luteolus</i>	Omnivores	Naraguta	2	c
Mocking cliff Chat	<i>Thamnolaea cinnamomeiventris</i>	Omnivores	Amurum	1	c
Northern Grey Headed Sparrow	<i>Passer griseus</i>	Omnivores	Amurum	1	c
Spectacled Weaver	<i>Ploceus ocularis</i>	Omnivores	Naraguta	1	c
Village Weaver	<i>Ploceus cucullatus</i>	Omnivores	Amurum	5	c
African paradise flycatcher	<i>Terpsiphone viridis</i>	Insectivore	Naraguta	1	d
African paradise flycatcher	<i>Terpsiphone viridis</i>	Insectivore	Amurum	1	d
Blue flycatcher	<i>Elminia longicauda</i>	Insectivore	Naraguta	1	d
Cardinal woodpecker	<i>Dendropicos fuscescens</i>	Insectivore	Amurum	1	f
Familiar Chat	<i>Oenanthe familiaris</i>	Insectivore	Amurum	1	h
Grey-backed Camaroptera	<i>Camaroptera brevicaudata</i>	Insectivore	Amurum	2	d
Northern black flycatcher	<i>Melaenornis edolioides</i>	Insectivore	Naraguta	1	d
Rock-loving Cisticola	<i>Cisticola emini</i>	Insectivore	Amurum	1	d
Tawny-flanked prinia	<i>Prinia subflava</i>	Insectivore	Amurum	2	d
Tawny-flanked prinia	<i>Prinia subflava</i>	Insectivore	Naraguta	1	d
Yellow White-eye	<i>Zosterops senegalensis</i>	Insectivore	Naraguta	3	b

^a Fry CH, Keith S, Urban EK (eds) 1988. The birds of Africa, Vol 3. Academic Press, London

^b Fry CH, Keith S, Urban EK (eds) 2000. The birds of Africa, Vol 4. Academic Press, London

^c Urban EK, Fry CH, Keith S, (eds) 1997. The birds of Africa Vol 5. Academic Press, London

^d Urban EK, Fry CH, Keith S, (eds) 1986. The birds of Africa Vol 2. Academic Press, London

^e Fry CH, Keith S, (eds) 2004. The birds of Africa Vol 7. Christopher Helm, London

^f del Hoyo, J., Elliott, A., Sargatal, J., Christie, D.A. Handbook of the birds of the World (Jacanas to Woodpeckers) Vol. 7. *Lynx Edicions*. 2002. ISBN 8487334377

^g Pettet, A. Seasonal changes in nectar-feeding by birds at Zaria, Nigeria. *Ibis* **1977**, 119: 291-308

^h Hockey, P.A.R., Dean, W.R.J., Ryan, P.G. Roberts - Birds of southern Africa, VII ed. The Trustees of the John Voelcker Bird Book Fund **2005**, Cape Town

ⁱ Wood, B. Observations of the Adamawa Turtle Dove. *Bull. Br. Orni. Club* **1975**, 95: 68-73

^j Bartholomew, C.A., Trost, C.H. Temperature regulation in the Speckled Mousebird, *Colius striatus*. *Condor* **1970**, 72: 141-146

Table S2: relative Bayesian Standard Ellipse Area Overlap (in percentage) for all combinations of isotopes ($\delta^2\text{H}$ & $\delta^{13}\text{C}$, $\delta^2\text{H}$ & $\delta^{15}\text{N}$, and $\delta^{13}\text{C}$ & $\delta^{15}\text{N}$) for all the different guilds.

Overlap was calculated as the percentage of area shared of each guild's ellipse with each other guild's ellipse. Shown are Median and (CI) – credible interval of 95%.

Guild	$\delta^2\text{H}$ - $\delta^{13}\text{C}$ overlap (%)	$\delta^2\text{H}$ - $\delta^{15}\text{N}$ overlap (%)	$\delta^{13}\text{C}$ - $\delta^{15}\text{N}$ overlap (%)
Nectarivores – Frugivores	26.7 (25.7 – 30.6)	44.3 (43.1 – 46.5)	27.1 (25.8 – 29.8)
Nectarivores – Granivores	0.0 (0.0 – 0.0) *	8.8 (8.1 – 9.9)	0.0 (0.0 – 0.0)
Nectarivores – Omnivores	19.4 (19.4 – 21.6)	36.1 (34.9 – 38.3)	11.1 (11.4 – 13.9)
Nectarivores – Insectivores	26.2 (25.9 – 29.0)	34.6 (34.1 – 37.7)	22.8 (22.0 – 24.4)
Frugivores – Granivores	0.0 (0.0 – 0.0) *	20.7 (19.3 – 21.3)	0.0 (0.0 – 0.0)
Frugivores – Omnivores	17 (16.2 – 17.5)	50.6 (48.7 – 51.5)	14.8 (14.5 – 16.5)
Frugivores – Insectivores	20.1 (19.1 – 20.9)	35.7 (34.3 – 37.1)	22.2 (21.8 – 23.7)
Granivores – Omnivores	7.3 (7.1 – 8.6)	20.5 (19.6 – 21.2)	4.8 (4.8 – 6.0)
Granivores – Insectivores	0.0 (0.0 – 0.0) *	5.6 (5.5 – 7.0)	3.0 (3.4 – 5.1)
Omnivores – Insectivores	48.8 (47.4 – 50.7)	31.4 (31.4 – 34.0)	32.3 (32.7 – 36.4)

* < 1e^{-10}