ONLINE SUPPLEMENT TO:

Taxonomic and phylogenetic utility of variation in advertising calls of francolins and spurfowls (Galliformes: Phasianidae) by T.G. Mandiwana-Neudani, R.C.K. Bowie, M. Hausberger, L. Henry & T.M. Crowe, in *African Zoology* 49(1): 54–82 (April 2014).

Table S1. List of francolin and spurfowl species and their designated species groups recognized by Hall (1963). English and specific names are as proposed in the IOC list (Gill & Donsker 2013) and the generic classification follows Crowe *et al.* (2006) and Mandiwana-Neudani *et al.* (unpubl. thesis). Genus *Francolinus* Stephens, 1819, *Peliperdix* Bonaparte, 1856, *Scleroptila* Blyth, 1849, *Dendroperdix* Roberts, 1922, *Ortygornis* Reichenbach, 1852, *Pternistis* Wagler, 1832, *Chaetopus* Swainson, 1837. Taxon citation with the authority and year in brackets indicates that either the specific or the subspecific epithet was originally published in another genus by the original author, but subsequently moved to the present genus by another author.

Species group	English name	Scientific name
1. Spotted	Black francolin	<i>Francolinus francolinus</i> (Linnaeus, 1766)
	Painted francolin	<i>F. pictus</i> (Jardine & Selby, 1828)
	Chinese francolin	<i>F. pintadeanus</i> (Scopoli, 1786)
2. Bare-throated	Red-necked spurfowl	<i>Pternistis afer</i> (Müller, 1776)
	Swainson's spurfowl	<i>P. swainsonii</i> (Smith, 1836)
	Yellow-necked spurfowl	<i>P. leucoscepus</i> (Gray, 1867)
	Grey-breasted spurfowl	<i>P. rufopictus</i> Reichenow, 1887
3. Montane	Erckel's spurfowl	<i>P. erckelii</i> (Rüppell, 1835)
	Djibouti spurfowl	<i>P. ochropectus</i> (Dorst & Jouanin, 1952)
	Chestnut-naped spurfowl	<i>P. castaneicollis</i> Salvadori, 1888
	Jackson's spurfowl	<i>P. jacksoni</i> O. Grant, 1891
	Handsome spurfowl	<i>P. nobilis</i> Reichenow, 1908
	Mount Cameroon spurfowl	<i>P. camerunensis</i> Alexander, 1909
	Swierstra's spurfowl	<i>P. swierstrai</i> (Roberts, 1929)
4. Scaly	Ahanta spurfowl	<i>P. achantensis</i> Temminck, 1854
	Scaly spurfowl	<i>P. squamatus</i> Cassin, 1857
	Grey-striped spurfowl	<i>P. griseostriatus</i> O. Grant, 1890
5. Vermiculated	Double-spurred spurfowl	<i>P. bicalcaratus</i> (Linnaeus, 1766)
	Heuglin's spurfowl	<i>P. icterorhynchus</i> Heuglin, 1863
	Clapperton's spurfowl	<i>P. clappertoni</i> (Children & Vigors, 1826)
	Hildebrandt's spurfowl	<i>P. hildebrandti</i> Cabanis, 1878
	Natal spurfowl	<i>P. natalensis</i> Smith, 1833
	Hartlaub's spurfowl	<i>P. hartlaubi</i> Bocage, 1869
	Harwood's spurfowl	<i>P. harwoodi</i> Blundell & Lovat, 1899
	Red-billed spurfowl	<i>P. adspersus</i> Waterhouse, 1838
	Cape spurfowl	<i>P. capensis</i> (Gmelin, 1789)
6. Striated	Crested francolin	<i>Ortygornis sephaena</i> (Smith, 1836)
	Ring-necked francolin	<i>Scleroptila streptophora</i> O. Grant, 1891
7. Red-winged	Shelley's francolin	<i>Scleroptila shelleyi</i> O. Grant, 1890
	Grey-winged francolin	<i>S. afra</i> (Latham, 1790)
	Orange River francolin	<i>S. levaillantoides</i> Smith, 1836
	Red-winged francolin	<i>S. levaillantii</i> (Valenciennes, 1825)
	Finsch's francolin	<i>S. finschi</i> Bocage, 1881
	Moorland francolin	<i>S. psilolaema</i> Gray, 1867
8. Red-tailed	Coqui francolin	<i>Peliperdix coqui</i> (Smith, 1836)
	White-throated francolin	<i>P. albogularis</i> Hartlaub, 1854
	Schlegel's francolin	<i>P. schlegelii</i> Heuglin, 1863

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Species group	English name	Scientific name
Unplaced species	Latham's francolin	<i>Fracolinus lathamii</i> Hartlaub, 1854
	Swamp francolin	<i>Ortygornis gularis</i> (Temminck, 1815)
	Grey francolin	<i>O. pondicerianus</i> (Gmelin, 1789)
	Nahan's francolin	<i>Fracolinus 'Ptilopachus' nahani</i> (Dubois, 1905)

Table S2. DNA markers sequenced and primers used for PCR amplifications and sequencing of preserved tissue.

Primer name	Primer sequence (5' to 3')	Reference
FRESH TISSUES		
Francolins & Spurfowls		
(General primers)		
Cytochrome <i>b</i>		
L14578	cta gga atc atc cta gcc cta ga	J.G. Groth (pers. comm.)
MH15364	act cta cta ggg ttg gcc c	P. Beresford (pers. comm.)
ML15347	atc aca aac cta ttc tc	P. Beresford (pers. comm.)
H15915	aac gca gtc atc tcc ggt tta caa gac	Edwards & Wilson (1990)
TOE-PADS		
Cytochrome <i>b</i>		
Spurfowl-specific primers		
L14851 (General)	cct act tag gat cat tcg ccc t	Kornegay <i>et al.</i> (1993)
Pt-H195	ttt cgr cat gtg tgg gta cgg ag	R. Moyle & T. Mandiwana-Neudani
Pt-H194	cat gtr tgg gct acg gag g	R. Bowie
MH15145	aag aat gag gcg cca ttg gc	P. Beresford
Pt-L143	gcc tca tta ccc aaa tcc tca c	R. Moyle & T. Mandiwana-Neudani
Pt-H361	gtg gct att agt gtg agg ag	R. Moyle & T. Mandiwana-Neudani
Pt-L330	tat act atg gct cct acc tgt ac	R. Bowie
Pt-H645	ggg tgg aat ggg att ttg tca gag	R. Moyle & T. Mandiwana-Neudani
Pt-L633	ggc tca aac aac cca cta ggc	R. Moyle & T. Mandiwana-Neudani
Pt-H901	agg aag ggg att agg agt agg at	R. Moyle & T. Mandiwana-Neudani
L2-2312	cat tcc acg aat cag gct c	R. Bowie
H15696	aat agg aag tat cat tcg ggt ttg atg	Edwards <i>et al.</i> (1991)
Pt-L851alt	cct att tgc cta cgc cat cct ac	R. Bowie
Pt-H1050	gat gct gtt tgg ccg atg	R. Bowie
Pt-L961	cga acc ata aca ttc cca c	R. Moyle & T. Mandiwana-Neudani
Pt-L961alt	ctc atc cta ctc cta atc ccc	R. Bowie
HB20 (General)	ttg gtt cac aag acc aat gtt	J. Feinstein (pers. comm.)
Cytochrome <i>b</i>		
Francolin-specific primers		
L14851 (General)	cct act tag gat cat tcg ccc t	Kornegay <i>et al.</i> (1993)
Franc-H1	cag cag aca cyt cyc tyg cct tc	R. Bowie
MH15145	aag aat gag gcg cca ttg gc	P. Beresford
Franc-L1	tgc ctc aca acc caa atc ctc ac	R. Bowie
Franc-H2	agg agr agr att act cct gtg ttg cag g	R. Bowie
Franc-L2	gcc tca ttc tty ttc aty tgy atc ttc c	R. Bowie
Franc-H3	ggr tgg aat ggg att ttg tca gag	R. Bowie
Franc-L3	tcacyractcygacaaaatccc	R. Bowie
Franc-H4	gar rgg gat tag rag gag gat	R. Bowie
Franc-L4	tat tcg cct ayg cya tcc twc gct c	R. Bowie
Franc-H5	gta gga rag kga tgc tat ttg gcc	R. Bowie
Franc-L5	ctc atc ctc ctc cta atc cc	R. Bowie
HB20 (General)	ttg gtt cac aag acc aat gtt	J. Feinstein (pers. comm.)