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Dawson et al. A marker suitable for sex-typing birds from degraded samples

Supplementary Table 1 Sample details and identities of the providers of the samples and sex data.

Order (sub-order)	NCBI taxonomic classification	Species, binomial name	Tissue type*	Samples provided by	Additional sample details	Z37B genotyped by
Aves; Neognathae	NON-RATITES					
Anseriformes	Anatidae	Mallard	Dead embryos	EC		NdR
		<i>Anas platyrhynchos</i>				
		Muscovy duck	Blood	MV, APK		GJH
		<i>Cairina moschata</i>				
		Blue duck	Blood	BR		NdR
		<i>Hymenolaimus malacorhynchos</i>				
Bucerotiformes	Bucerotidae	Monteiro's hornbill	Blood	DSR		GJH
		<i>Tockus monteiri</i>				
Charadriiformes	Scolopacidae	Ruff	Blood	DL, LF, ¥		LF
		<i>Philomachus pugnax</i>				

Order (sub-order)	NCBI taxonomic classification	Species, binomial name	Tissue type*	Samples provided by	Additional sample details	Z37B genotyped by
		Curlew sandpiper	Blood	JdF		NdR
		<i>Calidris ferruginea</i>				
		Broadbilled sandpiper	Blood	JdF		NdR
		<i>Limicola falcinellus</i>				
		Dunlin	Blood	JdF		NdR
		<i>Calidris alpina</i>				
		Redshank	Blood	JdF		NdR
		<i>Tringa totanus</i>				
		Terek sandpiper	Blood	JdF		NdR
		<i>Xenus cinereu</i>				
		Turnstone	Blood	JdF		NdR
		<i>Arenaria interpres</i>				
	Charadriidae	Snowy plover	Blood	CK		NdR
		<i>Charadrius nivosus</i>				
		Ringed plover	Blood	PT		NdR

Order (sub-order)	NCBI taxonomic classification	Species, binomial name	Tissue type*	Samples provided by	Additional sample details	Z37B genotyped by
Columbiformes	Columbidae	Charadrius hiaticula	Feathers	BT		NdR
		Ringed plover				
Columbiformes	Columbidae	Charadrius hiaticula	Blood	DSR		GJH
		Seychelles turtle dove				
Coraciiformes	Meropidae	Streptopelia picturata rostrata	Blood	KL		GJH
		European bee-eater				
Falconiformes	Accipitridae	Merops apiaster	Blood	BB, ¥		GJH
		Golden eagle				
Falconiformes	Accipitridae	Aquila chrysaetos	Blood	BM-C		NdR
		Spanish Imperial eagle				
Falconiformes	Accipitridae	Aquila adalberti	Blood	FH		NdR
		White-tailed sea eagle				
Falconiformes	Accipitridae	Haliaeetus albicilla	Blood	SM, KW		NdR
		Bonelli's eagle				
Falconiformes	Accipitridae	Hieraaetus fasciatus				

Order (sub-order)	NCBI taxonomic classification	Species, binomial name	Tissue type*	Samples provided by	Additional sample details	Z37B genotyped by
Galliformes	Pandioninae	Western osprey	Shed feather	RD, FMP		NdR
		Pandion haliaetus haliaetus				
	Falconidae	Western osprey	Blood	RD, FMP		NdR
		Pandion haliaetus haliaetus				
		Saker	Blood	AD		NdR
		Falco cherrug				
		Eleonora's falcon	Blood	CD		NdR
		Falco eleonora				
	Megapodiidae	Australian brush-turkey	Blood	DJ		GJH
		Alectura lathami				
“	Phasianidae	Chicken (Crittenden breed)	Blood	HC		GJH
		Gallus gallus				
Gruiformes	Gruidae	Blue crane	Blood	KM, ¥		GJH
		Anthropoides paradiseus (Grus paradisea)				

Order (sub-order)	NCBI taxonomic classification	Species, binomial name	Tissue type*	Samples provided by	Additional sample details	Z37B genotyped by
Passeriformes (Passeri) “ “ “	Rallidae	Corncrake	Blood	PB, EF	Captive bred, blood preserved in ethanol	AR
		Crex crex	Blood slide	PB, EF	Blood slides for parasitology preserved in methanol and air dried	AR
		“	Buccal Swab	PB, RG	Wild caught in Nene washes preserved in ethanol	DL
		“	Tissue	PB, EF	Captive bred corncrakes tissue taken at post mortem preserved in ethanol	AR
	Paridae	Blue tit Parus caeruleus	Blood	JS, ¥		JS
	Estrildidae (Passeridae)	Zebra finch Taeniopygia guttata	Blood	TRB		ADB
	“	Gouldian finch Erythrura gouldiae	Blood	SG, SP		SB, KK
	“	“	Sociable weaver	Blood	BH	JK, BH

Order (sub-order)	NCBI taxonomic classification	Species, binomial name	Tissue type*	Samples provided by	Additional sample details	Z37B genotyped by
	Parulidae	Philetairus socius Seychelles warbler	Blood	JK, TAB, DSR		NdR
“	Notiomystidae (Meliphagidae)	Acrocephalus sechellensis Hihi (Stitchbird)	Blood	PB, JE		JFN
“	“	“	Dead embryos	PB, JE	From 2012-2013 breeding season on the island of Tiritiri Matangi	JFN
“	“	“	Dead nestlings	PB, JE		JFN
“	“	“	Feathers	PB, RE	From 2012-2013 breeding season at Karori Wildlife Sanctuary. Plucked feather tips preserved in ethanol.	JFN
“	“	“	Museum specimen (toe-pads)	PB, PS (AMNH), MA (BNHM), PS	Various museum collections.	PB

Order (sub-order)	NCBI taxonomic classification	Species, binomial name	Tissue type*	Samples provided by	Additional sample details	Z37B genotyped by
				(CMNZ)		
	Formicariidae	Dusky antbird	Blood	TAB		GJH
	(Thamnophilidae)	Cercomacra tyrannina				
Piciformes	Picidae	Acorn woodpecker	Blood	JH		GJH
		Melanerpes formicivorus				
Procellariiformes	Hydrobatidae	Leach's storm petrel	Blood	AWJB, ¥		AWJB
		Oceanodroma leucorhoa				
Procellariiformes	Procellariidae	Round Island petrel	Blood	JG		AWJB
		Pterodroma arminjoniana				
		Northern fulmar	Plucked feathers	PMP, LRQ		NdR
		Fulmarus glacialis				
Psittaciformes	Psittacidae	Peachy-faced lovebird	Blood	TRB		GJH
		Agapornis roseicollis				
Sphenisciformes	Spheniscidae	Macaroni penguin	Blood	TH		SA

Order (sub-order)	NCBI taxonomic classification	Species, binomial name	Tissue type*	Samples provided by	Additional sample details	Z37B genotyped by
Strigiformes	Tytonidae	Eudytes sclateri Barn owl (Hungarian) Tyto alba guttata	Blood	AK, ¥		GJH
Aves; Palaeognathae Apterygiformes	RATITES Apterygidae	Brown kiwi Apteryx australis	Blood	Maori Leaders Council		GJH

Sample and sex/genotyping data providers:

AD, Andy Dixon; ADB, Alex Ball; AJWB, Anthony Bicknell; APK, Andy Krupa; AK, Akos Klein; BM-C, Begona Martinez-Cruz; BT, Böðvar Þórisson (Bödvar Thorrison); CD, Claudie Doums; CK, Clemens Küpper; BB, Brian Bourke; BH, Ben Hatchwell; BR, Bruce Robertson; DJ, Darryl Jones; DL, Dov Lank, DSR, David Richardson; EC, Emma Cunningham; FH, Frank Hailer; FMF, Fiona MacFee; HC, Hans Cheng; Jan Komdeur; KK, Kang-Wook Kim; KL, Kate

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Hihi samples:

PB, Patricia Brekke; JE, John Ewen; JFN, Johanna F. Nielsen; RE, Raewyn Empson; PS, Paul Sweet (AMNH, American Museum of Natural History); MA, Mark Adams (British Natural History Museum); PS, Paul Scofield (CMNZ, Canterbury Museum of New Zealand);

Corncrake samples:

PB, Patricia Brekke; EF, Edmund Flach (ZSL; Zoological Society of London corncrake breeding and reintroduction programme); AR, Aimie Robinson; RG, Rhys Green (RSPB, Royal Society for the protection of birds); DL, Debbie Leigh.

*Genomic DNA was extracted from bird blood, blood slides, shed and plucked feathers, buccal swabs, degraded tissue (dead embryos from unhatched eggs, dead nestlings, museum (toe pad) samples) and crocodile skin using an ammonium acetate protocol (Richardson et al. 2001) or the Wizard Genomic DNA Purification kit (Promega). The blood was freshly collected and stored in ethanol. DNA was extracted from museum specimens using the DNeasy Tissue Kit (Qiagen) or the QIAamp DNA Micro Kit (Qiagen) and swabs using the QIAamp DNA Micro Kit (Qiagen). All samples had been stored in absolute ethanol (1 volume of sample to 10+ volumes of absolute ethanol; tissue samples were thinly sliced), except the feathers and blood slides which were stored air-dry at room temperature. For the feather extractions (shed and plucked), we used the Richardson et al. (2001) ammonium acetate method, however we used a higher concentration of proteinase K (final concentration: 1.0 mg/ml) and incubated the samples for longer (overnight (ca 20 hours) at 37°C).