

**Table 3.** Taxon sampling, specimen information, and GenBank accession numbers for sequences

Sibley and Monroe (1) taxonomy				GenBank accession nos.					
Suborder	Parvorder	Superfamily	Family	Representative taxa <sup>a</sup>	Specimen data <sup>a</sup>	RAG-1	RAG-2	Cytochrome b <sup>b</sup>	
Tyranni			Acanthisittidae	<i>Acanthisitta chloris</i>	Unvouchered (RIF002), <i>vide</i> A.J. Baker, ROM	AY056975			
				<i>Acanthisitta chloris</i>	Unvouchered (RIF001), <i>vide</i> A.J. Baker, ROM		AY443102		
			Pittidae	<i>Pitta sordida</i>	AMNH (PRS712)	AY443319	AY443206		
			Eurylaimidae	<i>Smithornis rufolateralis</i>	AMNH 827484 (CGS5226)	AY057031	AY443228		
				<i>Psarisomus dalhousiae</i>	AMNH 22993 (PRS629)	AY057025	AY443214		
			Philepittidae	<b><i>Philepitta castanea</i></b>	FMNH 345690	AY057018	AY443201		
				<b><i>Neodrepanis coruscans</i></b>	FMNH 393232	AY443306	AY443181		
			Tyrannidae	<i>Mionectes [Pipromorpha] macconnelli</i>	AMNH (GFB2886)	AY443302	AY443174		
				<i>Tyrannus tyrannus</i>	AMNH 24560 (PRS1298)	AF143739	AY443243		
				<i>Schiffornis turdinus</i>	AMNH (GFB2223)	AY443330	AY443225		
				<i>Tityra semifasciata</i>	AMNH (GFB1035)	AY443337	AY443237		
				<i>Rupicola rupicola</i>	AMNH 22747 (PRS802)	AY057029	AY443224		
				<i>Pipra coronata</i>	AMNH 9360 (SC804)	AY057020	AY443204		
			Thamnophilidae	<i>Thamnophilus nigrocinereus</i>	AMNH 18074 (GFB2200), Deaccessioned	AY057034	AY443235		
			Furnariidae	<i>Furnarius rufus</i>	AMNH NA (PRS1836)	AY056995	AY443149		
				<i>Campylorhamphus trochilirostris</i>	AMNH (ALP145)	AY443264	AY443112		
				<i>Formicarius colma</i>	AMNH 9343 (SC721)	AY056993	AY443147		
			Formicariidae	<i>Conopophaga ardesiaca</i>	AMNH (MV25)	AY443271	AY443125		
			Rhinocryptidae	<i>Scytalopus magellanicus</i>	AMNH (RTC449)	AY443331	AY443226		
			Climacteridae	<i>Cormobates leucophaea</i>	ANWC 49979	AY443274	AY443130	AY064278 [placens ]	
				<i>Climacteris erythropus</i>	UWBM 57635	AY443268	AY443121	U58501 [rufus ]	
				<i>Climacteris picumna</i>	UWBM 57695 (SVE1092)	AY056987	AY443122		
			Menuridae	<i>Menura novaehollandiae</i>	ANWC 43660	AY057004	AY443171		
			Ptilonorhynchidae	<i>Aluroedus melanotis</i>	BPBM 110138	AY443260	AY443105	X74257	
				<i>Ptilonorhynchus violaceus</i>	Unvouchered (QM, Lab 3119)	AY057026	AY443216	X74256	
			Meliphagoidea	Maluridae	<i>Malurus melanocephalus</i>	Unvouchered (AM, Lab 1109), <i>in litt.</i> W. Boles	AY057001	AY443162	
				Meliphagidae	<i>Meliphaga analoga</i>	KUMNH 5171 (AM983), unvouchered <i>vide</i> A. Mack	AY057003	AY443170	
					<i>Ephthianura tricolor</i>	UWBM 57574	AY443285	AY443144	
				Pardalotidae	<i>Pardalotus punctatus</i>	AM [Lab 1141]	AY443313	AY443193	
					<i>Pardalotus striatus</i>	AM [Lab 1062]	AY057015	AY443194	
			Corvoidea	Petroicidae	<i>Microeca papuana</i>	KUMNH 5225 (AM1089)	AY443301	AY443172	
					<b><i>Eugerygone rubra</i></b>	KUMNH 5246 (AM1114)	AY443286	AY443145	
					<b><i>Melanodryas [Petroica] cucullata</i></b>	UWBM 60860	AY443300	AY443169	
					<i>Tregellasia leucops</i>	KUMNH 4701 (AM819), voucher BPBM	AY057037	AY443239	AY443259
					<b><i>Peneothello bimaculatus</i></b>	KUMNH 5151 (AM962)	AY443315	AY443199	AY443256
					<b><i>Pachycephalopsis poliosoma</i></b>	KUMNH 4691 (AM803)	AY443311	AY443190	
			Irenidae	<i>Irena cyanogaster</i>	FMNH 350955	AY056999	AY443158		
				<i>Chloropsis cochinchinensis</i>	AMNH 22997 DA-Singapore (PRS717)	AY056984	AY443118		
			Orthonychidae	<i>Orthonyx teminkii</i>	ANWC 46865	AY443309	AY443187		
				<i>Orthonyx spaldingii</i>	ANWC 34489	AY057012	AY443186		
			Pomatostomidae	<i>Pomatostomus isidorei</i>	KUMNH 5099 (AM890), voucher BPBM	AY057023	AY443210		
				<i>Pomatostomus halli</i>	UWBM 57737	AY443321	AY443209		
			Laniidae	<i>Lanius excubitor</i>	AMNH (LMC95-23)	AY443293	AY443160		
				<i>Corvinella corvina</i>	LSUMNS B39326	AY443275	AY443131		
			Vireonidae	<i>Vireo philadelphia</i>	AMNH 24546 (PRS1035)	AY057041	AY443245		
				<i>Hylophilus poicilotis</i>	FMNH 395482	AY443291	AY443156		
			Corvidae	<i>Ptiliorhoa caerulescens</i>	KUMNH 5107 (AM899)	AY443326	AY443218		
	<i>Corcorax melanorhamphos</i>	AM [Lab 1146]	AY443273	AY443129	AY064274				
	<i>Struthidea cinerea</i>	AM [FB 40, SVE071]	AY443335	AY443231	AY064277				
	<i>Daphoenositta chrysoptera</i>	ANWC 43773	AY443281	AY443138					
	<i>Falcunculus frontatus</i>	AM [Lab 1150]	AY443287	AY443146					
	<i>Oreoica gutturalis</i>	ANWC 46761	AY443307	AY443183	AY443255				
	<i>Pachycephala hyperthra</i>	KUMNH 5123 (AM921)	AY443310	AY443188					
	<i>Pachycephala soror</i>	KUMNH 4692 (AM804), voucher BPBM	AY057013	AY443189					
	<i>Colluricincla harmonica</i>	UWBM 57495	AY443270	AY443124					
	<i>Pitohui cristatus</i>	KUMNH 4697 (AM812)	AY443318	AY443205	AY443257				
	<i>Cyanocitta cristata</i>	Unvouchered (AMNH, JLC)	AY443280	AY443137					
	<i>Corvus corone</i>	AMNH 24068 (PRS1288)	AY056989	AY443132	AF094613				
	<i>Corvus orru</i>	AM [Lab 1163]	AY443277	AY443134					
	<i>Corvus coronoides</i>	AMNH (PRS2285)	AY443276	AY443133	AF197837				
	<i>Melampitta lugubris</i>	KUMNH 5257 (AM1126)	AY443298	AY443166	AY443253				
	<i>Melampitta gigantea</i>	SNZP, <i>vide</i> R. Fleischer	AY443297	AY443165	AY443252				
	<b><i>Loboparadisea sericea</i></b>	KUMNH 4720 (AM843)	AY443294	AY443161	AF197843				
	<b><i>Cnemophilus loriae</i></b>	KUMNH 5220 (AM1083)	AY443269	AY443123	AF197841 [macgregorii ]				
	<i>Manucodia atra</i>	KUMNH 5108 (AM900)	AY443295	AY443163	AY443250				
	<i>Manucodia chalybata</i>	KUMNH 5157 (AM968)	AY443296	AY443164	AY443251				
	<i>Ptiloris magnificus</i>	KUMNH 5212 (AM1031)	AY443325	AY443217	X74254				
	<i>Paradisaea raggiana</i>	ZSSD AO48924 (27731)	AY057014	AY443191	U25738, U15204				
	<i>Cracticus quoyi</i>	KUMNH 5084 (AM873)	AY443278	AY443135	AY443248				
	<i>Gymnorhina tibicen</i>	Unvouchered (AMNH, JLC)	AY443289	AY443153	AF197867				
	<i>Strepera graculina</i>	UQ, <i>vide</i> L. Joseph	AY443334	AY443230					
	<i>Artamus leucorhynchus</i>	FMNH 345096	AY056980	AY443109					
	<i>Artamus cyanopterus</i>	MV 00133	AY443262	AY443108					
	<i>Oriolus xanthonotus</i>	ANSP 1176	AY443308	AY443185					
	<i>Oriolus larvatus</i>	AMNH 25750 (JGG1280)	AY057011	AY443184					
	<i>Sphecotheres viridis</i>	AM [Lab 1189]	AY443333	AY443229					
	<i>Coracina novaehollandiae</i>	AM [Lab 1142]	AY443272	AY443128					
	<i>Coracina lineata</i>	AMNH 23412 (MKL64)	AY056988	AY443127					
	<i>Lalage leucomela</i>	UWBM 57518	AY443292	AY443159					
	<i>Pericrocotus ethologus</i>	FMNH 347842	AY443316	AY443200					
	<i>Rhipidura hyperthra</i>	KUMNH 5169 (AM981)	AY443329	AY443223					
	<i>Chaetorhynchus papuensis</i>	KUMNH 4690 (AM802)	AY443267	AY443117					
	<i>Dicrurus adsimilis</i>	AMNH 25749 (JGG1301)	AY056991	AY443140					
	<i>Dicrurus hottentottus</i>	KUMNH 5098 (AM889)	AY443283	AY443141					
	<b><i>Elminia [Trochocercus] nigromitratus</i></b>	AMNH (PRS2106)	AY443338	AY443240	AF096474				
	<i>Monarcha axillaris</i>	KUMNH 4716 (AM838), voucher BPBM	AY057006	AY443176					
	<i>Monarcha chrysomela</i>	KUMNH 5202 (AM1021)	AY443304	AY443177	AY443254				
	<i>Grallina cyanoleuca</i>	AM [Lab 1144]	AY443288	AY443152					
	<i>Grallina cyanoleuca</i>	AM [FB 1509 #15]			AY443249				
	<i>Aegithina tiphia</i>	AMNH 22963 (PRS691)	AY056977	AY443104					
	<i>Dryoscopus cubla</i>	DM (D-9)	AY443284	AY443142					
	<i>Telophorus dohertyi</i>	FMNH 358004	AY443336	AY443234					
	<i>Prionops plumatus</i>	ZMUC (LPZ-089, tube 102)	AY443322	AY443211					
	<i>Batis mixta</i>	ZMUC (SMG-4619, tube 465)	AY443263	AY443110					
	<b><i>Vanga curvirostris</i></b>	FMNH 352878	AY057040	AY443244					
Callaeatidae	<b><i>Philesturnus [Creaedion] carunculatus</i></b>	SNZP (1695), <i>vide</i> J. Dumbacher	AY443317	AY443202					
Picathartidae	<i>Chaetops frenatus</i>	PFI (PFI18421)	AY443266	AY443116					

*incertae sedis*  
**Table 3.** continued.

Sibley and Monroe (1) taxonomy				GenBank accession nos.					
Suborder	Parvorder	Superfamily	Family	Representative taxa <sup>1</sup>	Specimen data <sup>1</sup>	RAG-1	RAG-2	Cytochrome b <sup>2</sup>	
Passeri	<i>incertae sedis</i>	Passerida	Picathartidae	<i>Picathartes gymnocephalus</i>	AMNH 827716 (AC350)	AY057019	AY443203		
			Bombycillidae	<i>Bombycilla garrulus</i>	Unvouchered (AMNH, PRS1417)	AY056981	AY443111	AF285796	
				Muscicapoidea	<i>Ptilogonys cinereus</i>	FMNH (ATP6132)	AY443324	AY443215	AY443258
				Cinclidae	<i>Cinclus cinclus</i>	AMNH NA (PRS2328)	AY056985	AY443119	
				Muscicapidae	<i>Catharus ustulatus</i>	Unvouchered (AMNH, JLC)	AY443265	AY443114	AY049507
					<i>Turdus falcklandii</i>	AMNH NA (PRS1825)	AY057039	AY443242	AF197835 [migratorius ]
					<i>Muscicapa ferruginea</i>	AMNH (PRS2233)	AY443305	AY443179	
					<b><i>Culicicapa ceylonensis</i></b>	AMNH (JGG1172)	AY443279	AY443136	AF096453
					<i>Sturnus vulgaris</i>	FMNH 389606 (MCP96-437)	AY057032	AY443232	
					<i>Mimus patagonicus</i>	AMNH NA (PRS1711)	AY057005	AY443173	
			Sylvioidea	Sittidae	<i>Sitta carolinensis</i>	AMNH (MGL253)	AY443332	AY443227	
				Certhiidae	<i>Certhia familiaris</i>	FMNH 351158 (S87-0026)	AY056983	AY443115	
					<i>Troglodytes aedon</i>	FMNH 343273 (MEX331)	AY057038	AY443241	AY352547
					<i>Poliophtila caerulea</i>	FMNH 343322 (MEX167)	AY443320	AY443208	AY352535
				Paridae	<i>Remiz pendulinus</i>	ZMUC 117640 (O1851)	AY443328	AY443222	
					<i>Parus major</i>	AMNH (PRS2335)	AY443314	AY443197	AF347962
					<i>Parus inornatus</i>	AMNH 23656 (PRS1015)	AY057017	AY443196	X60944
				Aegithalidae	<i>Aegithalos iouschensis</i>	AMNH 831357 (JGG1052)	AY056976	AY443103	
				Hirundinidae	<i>Hirundo rustica</i>	Unvouchered (AMNH, JLC)	AY443290	AY443155	AF074577
					<i>Hirundo pyrrhonota</i>	AMNH 23653 (PRS1013)	AY056997	AY443154	AF074591
				Regulidae	<i>Regulus calendula</i>	AMNH 24545 (PRS1080)	AY057028	AY443220	AJ004327
					<i>Regulus satrapa</i>	AMNH (GFB3235)	AY443327	AY443221	AJ004329
				Pycnonotidae	<i>Pycnonotus barbatus</i>	AMNH 24822 (PRS2125)	AY057027	AY443219	
				Cisticolidae	<i>Cisticola anonymus</i>	AMNH 832156 (PB159)	AY056986	AY443120	
				Zosteropidae	<i>Zosterops senegalensis</i>	FMNH 346671 (JCK0607)	AY057042	AY443247	AY352549
				Sylviidae	<i>Garrulax milleti</i>	AMNH 833160 (PRS2191)	AY056996	AY443151	
					<b><i>Modulatrix stictigula</i></b>	ZMUC 118730 (O2941)	AY443303	AY443175	
					<b><i>Arcanator orostruthus</i></b>	ZMUC 118184 (OZ395)	AY443261	AY443107	
					<b><i>Erpornis [Yuhina] zantholeuca</i></b>	AMNH (PRS2248)	AY443339	AY443246	
					<i>Sylvia nana</i>	AMNH 23211 (LMC95-22)	AY057033	AY443233	Z73494 [atricapilla ]
			Passeroidea	Alaudidae	<i>Alauda arvensis</i>	AMNH NA (PRS2316)	AY056978	AY443106	
				Nectariniidae	<i>Promerops cafer</i>	PFI, <i>vide</i> T. Crowe	AY443323	AY443212	
					<i>Dicaeum aeneum</i>	AMNH (MKL115)	AY443282	AY443139	
					<i>Nectarinia olivacea</i>	AMNH 831874 (RWD23779)	AY057008	AY443180	
				Melanocharitidae	<i>Melanocharis nigra</i>	KUMNH 5153 (AM964), voucher BPBM	AY057002	AY443167	
					<i>Melanocharis versteri</i>	KUMNH 4708 (AM830)	AY443299	AY443168	
					<i>Toxorhamphus novaeguineae</i>	KUMNH 5102 (AM894), voucher BPBM	AY057036	AY443238	
					<i>Oedistoma iliolophum</i>	KUMNH 5145 (AM956), voucher BPBM	AY057010	AY443182	
				Paromythidae	<i>Paromythia montium</i>	MV (FB15)	AY443312	AY443192	
				Passeridae	<i>Passer montanus</i>	AMNH 22967 (PRS697)	AF143738	AY443198	
					<i>Motacilla cinerea</i>	UWBM 46534 (GAV158)	AY057007	AY443178	
					<i>Prunella collaris</i>	AMNH 831301 (JGG1154)	AY057024	AY443213	
					<i>Ploceus cucullatus</i>	AMNH 831877 (RWD23772)	AY057022	AY443207	
				Fringillidae	<i>Fringilla montifringilla</i>	ROM (MKP1553)	AY056994	AY443148	
					<i>Emberiza schoeniclus</i>	MVZUC O480	AY056992	AY443143	
					<i>Parula americana</i>	Unvouchered (AMNH, PRS152)	AY057016	AY443195	AF256503
					<i>Thraupis cyanocephala</i>	AMNH 24097 (GFB3133)	AY057035	AY443236	AF489898 [bonariensis ]
				<i>Cardinalis cardinalis</i>	AMNH 23188 (PRS930)	AY056982	AY443113	AF447363	
				<i>Icterus parisorum</i>	AMNH 832513 (JGG1243)	AY056998	AY443157	AF089035	
Outgroups			Coraciidae	<i>Coracias caudata</i>	AMNH 22703 (PRS756)	AF143737	AY443126		
			Phasianidae	<i>Gallus gallus</i>	Unvouchered, <i>vide</i> M. Zuk, U. C. Riverside	AF143730	AY443150		

<sup>1</sup>Passerine genera unsampled by Sibley and Ahlquist (2) are highlighted in bold.

<sup>2</sup>AM, Australian Museum, Sydney; AMNH, American Museum of Natural History, New York; BPBM, Bernice Parks Bishop Museum, Hawaii; ANWC, Australian National Wildlife Collection, Commonwealth Scientific and Industrial Research Organization; DM, Durban Museum; FMNH, Field Museum of Natural History, Chicago; KUMNH, University of Kansas, Museum of Natural History; MV, Museum Victoria, Melbourne; PFI, Percy Fitzpatrick Institute of Ornithology, University of Cape Town; SNZP, Smithsonian National Zoological Park; UQ, University of Queensland; QM, Queensland Museum, Brisbane; UWBM, Burke Museum, University of Washington, Seattle; ZMUC, Zoological Museum, University of Copenhagen; ZSSD, Zoological Society of San Diego; DA, deaccessioned; NA, not accessioned. Numbers in parentheses are collector's numbers. All KUMNH specimen numbers are tissue numbers. Australian Museum specimens with "Lab" or "FB" numbers in many cases lack vouchers (W. Boles, personal communication).

<sup>3</sup>In some cases, cytochrome b sequences from a different species within a genus were used in the mtDNA calibration analysis, and these are indicated in brackets.

- Sibley, C.G. & Monroe, B.L., Jr. (1990) *Distribution and Taxonomy of the Birds of the World* (Yale Univ. Press, New Haven, CT)
- Sibley, C.G. & Ahlquist, J.E. (1990) *Phylogeny and Classification of Birds: A Study in Molecular Evolution* (Yale Univ. Press, New Haven, CT).