Appendix B

A comprehensive molecular phylogeny of Afrotropical white-eyes (Aves: Zosteropidae) highlights prior underestimation of mainland diversity and complex colonization history

Frederico C. Martins, Siobhan C. Cox, Martin Irestedt, Robert P. Prŷs-Jones, Julia J. Day

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Table S1. Specimen list, locality data and GenBank accession numbers for molecular sequences used in phylogenetic analyses.

van Balen (2019)	Proposed taxonomy (if different)	Country	Locality	Lat.	Long.	Voucher/ Field no.	Sample type	Genbank Accession Numbers							
								mtDNA			nuDNA				
								ND3	CYT B	ATP6	TGFB2	G3PDH	FIB7	CHD1	MUSK
Z. abyssinicus abyssinicus	*Z. abyssinicus*	Eritrea	Ghinda	15.378	39.093	BMNH 1951.55.1	TP	MT140397	MT140467						
Z. abyssinicus abyssinicus	*Z. abyssinicus*	Eritrea	Ghinda	15.378	39.093	BMNH 1951.55.2	TP	MT140398	MT140468						
Z. abyssinicus abyssinicus	*Z. abyssinicus*	Ethiopia	South Gondar	11.693	37.532	BMNH 1927.11.5.554	TP	MT140396	MT140466						
Z. abyssinicus abyssinicus	*Z. abyssinicus*	Ethiopia	South Gondar	11.693	37.532	BMNH 1927.11.5.578	TP	MT140395	MT140465						
Z. abyssinicus abyssinicus	*Z. abyssinicus*	Sudan	Port Sudan	18.633	36.970	BMNH 1919.12.17.1048	TP	MT140394	MT140464						
Z. abyssinicus arabs	*Z. abyssinicus*	Saudi Arabia	Taif	21.294	40.358	BMNH 1935.5.10.48	TP	MT140406	MT140476						
Z. abyssinicus arabs	*Z. abyssinicus*	Yemen	Menacha,	15.074	43.733	BMNH 1913.7.18.44	TP	MT140405	MT140475						
Z. abyssinicus omoensis	*Z. abyssinicus*	Ethiopia	Lake Turkana	4.767	35.992	BMNH 1912.10.15.1275	TP	MT140407	MT140477						
Z. abyssinicus omoensis	*Z. abyssinicus*	Ethiopia	Gofa	6.250	36.750	BMNH 1912.10.15.1920	TP	MT140408	MT140478						
Z. abyssinicus omoensis	*Z. abyssinicus*	Ethiopia	Lake Tana	11.967	36.962	BMNH 1927.11.5.580	TP	MT140409	MT140479						
Z. abyssinicus socotranus	*Z. socotranus*	Yemen	Socotra Island	12.500	54.000	BW293	B	LK056918	LK056804	DQ328432		MT140585		MT140598	
Z. abyssinicus socotranus	*Z. socotranus*	Yemen	Socotra Island	12.633	54.000	BMNH 1953.36.34	TP	MT140404	MT140474						
Z. abyssinicus socotranus	*Z. socotranus*	Yemen	Socotra Island	12.555	54.073	BMNH 1934.8.12.23	TP	MT140403	MT140473						
Z. abyssinicus socotranus	*Z. sp. nov.*	Somalia	Sanaag	10.969	48.749	BMNH 1923.8.7.2987	TP	MT140402	MT140472						
Z. abyssinicus socotranus	*Z. sp. nov.*	Somalia	Sanaag	10.969	48.749	BMNH 1923.8.7.2990	TP	MT140400	MT140470						
Z. abyssinicus socotranus	*Z. sp. nov.*	Somalia	Sanaag	10.969	48.749	BMNH 1923.8.7.2989	TP	MT140399	MT140469						
Z. abyssinicus socotranus	*Z. sp. nov.*	Somalia	Sanaag	10.969	48.749	BMNH 1923.8.7.2996	TP	MT140401	MT140471						
Z. atricapilla		Borneo	Mt Trusmadi,Sabah	5.563	116.494	LSUMNS B36434	S	DQ328499	DQ328399	DQ328431					
Z. atricapilla		Borneo	Mt Trusmadi,Sabah	5.563	116.494	LSUMNS B36444	S	FJ460870	JN827239		FJ460939				JN825962
Z. atrifrons		Indonesia	Poso	-1.521	120.419	AMNH DOT12589	T	MT140385	MT140455	MT140530					
Z. atrifrons		Indonesia	Banggai	-0.736	123.002	AMNH DOT12620	T	MT140386	MT140456	MT140531	MT140605	MT140586	MT140577		MT140626
Z. borbonicus		Mascarenes	La Reunion	-21.104	55.420	BWM46	S	DQ328497	DQ328397						
Z. borbonicus		Mascarenes	La Reunion	-21.104	55.420	BWM54	B	LK056916	LK056802	DQ328430	MT140606	MT140587	MT140582	MT140604	MT140625
Z. brunneus		Equatorial Guinea	Bioko	3.574	8.693	MM BRU001	S	GU827267	GU827219	GU827201		GU827249	GU827236		
Z. brunneus		Equatorial Guinea	Bioko	3.574	8.693	MM BRU003	S	GU827268	GU827220	GU827202					
Z. chloronothos		Mascarenes	Mauritius	-20.318	57.506	BWM28	S	DQ328494	DQ328394	DQ328429					
Z. chloronothos		Mascarenes	Mauritius	-20.318	57.506	BWM29	S	DQ328493	DQ328393						
Z. erythropleurus		China	Tianjin	40.461	117.237	KT194322	S	KT194322	KT194322	KT194322					
Z. erythropleurus		China	Baidaihe, Hebei	39.822	119.454	ZMUC O2653	S	DQ328492	DQ328392	DQ328428	RB4176 JQ944955	RB4176 JQ944878		RB4176 JQ945021 MT140595	RB4176 JQ945099
Z. eurycricotus		Tanzania	Simba Forest	-3.200	35.467	ZMUC 121003	B	MT140437	MT140511	MT140556	MT140607				
Z. eurycricotus		Tanzania	Simba Forest	-3.200	35.467	ZMUC 121004	B		MT140510	MT140555					
Z. eurycricotus		Tanzania	Mt Meru	-3.233	36.750	NRM 570798	TP	MT140448	MT140524						
Z. eurycricotus		Tanzania	Mt Meru	-3.233	36.750	NRM 570799	TP	MT140447	MT140523						
Z. feae		São Tomé and Príncipe	São Tomé Island	0.246	6.594	MM FIS002	S	GU827279	GU827231	GU827213		GU827256	GU827245		
Z. feae		São Tomé and Príncipe	São Tomé Island	0.246	6.594	MM FIS003	S	GU827280	GU827232	GU827214		GU827257	GU827246		
Z. ficedulinus		Equatorial Guinea	Principe Island	-1.435	5.626	MM FIP001	S	GU827277	GU827229	GU827211		GU827255	GU827243		
Z. ficedulinus		Equatorial Guinea	Principe Island	-1.435	5.626	MM FIP002	S	GU827278	GU827230	GU827212			GU827244		
Z. flavilateralis flavilateralis	*Z. flavilateralis*	Kenya	Umani spring	-2.467	37.914	COX T4	B	LK056831	LK056724	MT140539	MT140608				
Z. flavilateralis flavilateralis	*Z. flavilateralis*	Kenya	Umani spring	-2.467	37.914	COX T15	B	LK056837	LK056730	MT140540					
Z. flavilateralis flavilateralis	*Z. flavilateralis*	Kenya	Umani spring	-2.467	37.914	COX T21	B	LK056838	LK056731	MT140541					
Z. flavilateralis jubaensis	*Z. flavilateralis*	Kenya	South Horr	2.106	36.880	COX T69	B	LK056845	LK056735	MT140542					
Z. flavilateralis jubaensis	*Z. flavilateralis*	Kenya	South Horr	2.106	36.880	COX T70	B	LK056849	LK056739	MT140543					

Z. flavilateralis jubaensis	*Z. flavilateralis*	Kenya	South Horr	2.106	36.880	COX T77	B	LK056841	LK056733	MT140544	MT140609				
Z. griseovirescens		São Tomé and Príncipe	Annobon	1.590	7.375	MM GRI001	S	GU827281	GU827233	GU827215					
Z. griseovirescens		São Tomé and Príncipe	Annobon	1.590	7.375	MM GRI002	S	GU827282	GU827234	GU827216		GU827258	GU827247		
Z. hypoxanthus		Papua New Guinea	New Irland	-3.367	152.005	AMNH DOT20050	T	MT140389	MT140459	MT140534					
Z. hypoxanthus		Papua New Guinea	New Irland	-3.367	152.005	AMNH DOT20052	T	MT140390	MT140460	MT140535	MT140610	MT140588	MT140579	MT140597	
Z. kaffensis	*Z. poliogastrus*	Ethiopia	Jimma, Ethiopia	7.667	36.833	BMNH 1912.10.15.1932	TP	MT140446	MT140522						
Z. kaffensis	*Z. poliogastrus*	Ethiopia	Charada forest	7.350	36.450	BMNH 1912.10.15.1262	TP	MT140445	MT140521						
Z. kikuyuensis		Kenya	Aberdares Range	-0.385	36.636	JH AB12	B	LK056870	LK056759	MT140564					
Z. kikuyuensis		Kenya	Aberdares Range	-0.385	36.636	JH AB20	B	LK056866	LK056755	MT140563	MT140611	MT140589	MT140584	MT140602	MT140627
Z. kikuyuensis		Kenya	Aberdares Range	-0.385	36.636	JH AB4	B	LK056868	LK056757						
Z. kirki		Comoros	Grande Comore	-11.775	43.334	BW146	S	DQ328476	DQ328376	DQ328421					
Z. kirki		Comoros	Grande Comore	-11.775	43.334	BW147	S	DQ328475	DQ328375						
Z. kulalensis	*Z. poliogastrus*	Kenya	Mt Kulal	2.733	36.938	COX K30	B	LK056819	LK056711	MT140560	MT140612				
Z. kulalensis	*Z. poliogastrus*	Kenya	Mt Kulal	2.733	36.938	COX K33	B	LK056816	LK056708	MT140561					
Z. kulalensis	*Z. poliogastrus*	Kenya	Mt Kulal	2.733	36.938	JH 2MK7	B	LK056827	LK056719	MT140562					
Z. lateralis chloronotus		Australia	Ravensthorpe	-33.764	119.827	AMNH DOT17779	T	MT140388	MT140458	MT140533					
Z. lateralis chloronotus		Australia	Ravensthorpe	-33.764	119.827	AMNH DOT17785	T	MT140387	MT140457	MT140532	MT140614	MT140590	MT140578	MT140596	MT140628
Z. leucophaeus		São Tomé and Príncipe	Principe	1.590	7.375	MM LEU001	B	GU827269	GU827221	MT140573		GU827250	GU827237		
Z. leucophaeus		São Tomé and Príncipe	Principe	1.590	7.375	MM LEU002	B	GU827270	GU827222	MT140574					
Z. lugubris		São Tomé and Príncipe	Sao Tome	0.246	6.594	MM LUG011	B	LK056903	LK056789	MT140576	MT140613	GU827251	GU827238		MT140629
Z. lugubris		São Tomé and Príncipe	Sao Tome	0.246	6.594	MM2	S	DQ328503	DQ328403	DQ328434					
Z. maderaspatanus aldabrensis		Seychelles	Aldabra	-9.416	46.390	BW301	S	DQ328487	DQ328387	DQ328424					
Z. maderaspatanus aldabrensis		Seychelles	Aldabra	-9.416	46.390	BW303	S	DQ328486	DQ328386						
Z. maderaspatanus anjuanensis		Comoros	Anjouan	-12.219	44.414	BW252	S	DQ328482	DQ328382						
Z. maderaspatanus anjuanensis		Comoros	Anjouan	-12.219	44.414	BW253	S	DQ328481	DQ328381	DQ328423					
Z. maderaspatanus comorensis		Comoros	Moheli	-12.336	43.703	BW121	S	DQ328479	DQ328379						
Z. maderaspatanus comorensis		Comoros	Moheli	-12.336	43.703	BW127	S	DQ328478	DQ328378	DQ328422					
Z. maderaspatanus maderaspatanus		Madagascar	Mt Ankaratre	-19.360	47.300	BW429	B	LK056911	LK056797						
Z. maderaspatanus maderaspatanus		Madagascar	Mt Ankaratre	-19.360	47.300	BW445	B	LK056912	LK056798		MT140615	MT140592	MT140583		
Z. maderaspatanus voeltzkowi		France	Europa Island	-22.341	40.347	BW ML26	S	DQ328468	DQ328368						
Z. maderaspatanus voeltzkowi		France	Europa Island	-22.341	40.347	BW ML30	S	DQ328467	DQ328367						
Z. mauritianus		Mascarenes	Mauritius	-20.280	57.436	BWM17	B	LK056914	LK056800						
Z. mauritianus		Mascarenes	Mauritius	-20.280	57.436	BWM24	B	LK056913	LK056799	DQ328417	MT140624				
Z. mayottensis		France	Mayotte Island	-12.834	45.126	BW64	S	DQ328471	DQ328371						
Z. mayottensis		France	Mayotte Island	-12.834	45.126	BW67	S	DQ328470	DQ328370	DQ328418					
Z. mbuluensis		Kenya	Chyulu Hills	-2.547	37.812	JH CH7	B	LK056850	LK056740	MT140570					
Z. mbuluensis		Kenya	Chyulu Hills	-2.547	37.812	JH CH8	B	LK056851	LK056741	MT140571	MT140616				
Z. mbuluensis		Kenya	Chyulu Hills	-2.547	37.812	JH 2CH11	B	LK056856	LK056746	MT140572					
Z. melanocephalus		Cameroon	Mt Cameroon	4.217	9.074	MM MEL002	S	GU827266	GU827218	MT140575		GU827248	GU827235		
Z. melanocephalus		Cameroon	Mt Cameroon	4.217	9.074	MM MEL001	S	GU827265	GU827217	GU827199					
Z. modestus		Seychelles	Conception	-4.663	55.364	BW344	S	DQ328463	DQ328363	DQ328416					
Z. modestus		Seychelles	Conception	-4.663	55.364	BW345	S	DQ328462	DQ328362						
Z. montanus whiteheadi		Philippines	Mt Pilog, Luzon	16.602	120.900	ZMUC O2655	S	DQ328461	DQ328361	DQ328415					
Z. montanus whiteheadi		Philippines	Mt Pilog, Luzon	16.602	120.900	ZMUC O2662	S	DQ328460	DQ328360	DQ328414					
Z. mouroniensis		Comoros	Grande Comore	-11.775	43.334	BW137	S	DQ328459	DQ328359						

Z. mouroniensis		Comoros	Grande Comore	-11.775	43.334	BW140	S	DQ328458	DQ328358	DQ328413					
Z. nigrorum		Philippines		16.447	121.224	FMNH 432997	S	FJ460876	JN827242		FJ460945				JN825965
Z. nigrorum aureiloris		Philippines	Dinapique, Isabella	16.693	122.231	ZMUC O2663	S	JN614683	JN614902	DQ328412		JN614858			
Z. olivaceus		Mascarenes	La Reunion	-21.101	55.436	BWM49	S	DQ328454	DQ328354	DQ328411					
Z. olivaceus		Mascarenes	La Reunion	-21.101	55.436	BWM55	S	DQ328453	DQ328353						
Z. pallidus		South Africa		-28.705	17.364	PFIAO AP50340	B	LK056910	LK056796		JQ94488 [JF2379]	JQ94481 [JF2379]		MT140599	JQ94503 [JF2379]
Z. pallidus		Namibia	Great Namaqualand	-26.780	17.800	BMNH 1950.50.666	TP	MT140410	MT140480						
Z. pallidus		South Africa	Venterskroon	-26.900	27.267	BMNH 1928.2.2.12	TP	MT140411	MT140481						
Z. pallidus		South Africa	Fourteen Streams	-28.080	24.896	BMNH 1904.11.19.56	TP	MT140412	MT140482						
Z. pallidus		South Africa	Bloemfontein	-29.121	26.214	BMNH 1923.8.7.2982	TP	MT140413	MT140483						
Z. palpebrosus palpebrosus		Nepal	Betrawati	27.975	85.208	AMNH DOT5746	T	MT140393	MT140463	MT140538	MT140617				
Z. palpebrosus palpebrosus		Nepal	Betrawati	27.975	85.208	RF1	S	DQ328449	DQ328349	DQ328410					
Z. palpebrosus siamensis		Vietnam	Ha Giang	22.754	104.827	AMNH DOT6512	T	MT140392	MT140462	MT140537					
Z. palpebrosus siamensis		Vietnam	Ha Giang	22.754	104.827	AMNH DOT2659	T	MT140391	MT140461	MT140536	MT140618	MT140591			MT140630
Z. poliogastrus	*Z.aff. poliogastrus*	Ethiopia	Fetche	7.738	36.716	JH FS79	B		MT140518	MT140559					
Z. poliogastrus	*Z.aff. poliogastrus*	Ethiopia	Garuke	7.730	36.980	JH FS95	B	MT140442	MT140516	MT140557					
Z. poliogastrus	*Z.aff. poliogastrus*	Ethiopia	Gera	7.531	36.378	JH FS43	B		MT140517	MT140558					
Z. poliogastrus	*Z. poliogastrus*	Eritrea	Faghena	15.583	38.876	BMNH 1954.24.21	TP	MT140443	MT140519						
Z. poliogastrus	*Z. poliogastrus*	Ethiopia	Borena	10.750	38.767	BMNH 1946.5.2433	TP	MT140444	MT140520						
Z. semiflavus		Seychelles	Marianne Island	-4.341	55.918	BMNH 1927.12.18.398	S	DQ328445	DQ328345						
Z. senegalensis anderssoni	*Z. anderssoni*	Botswana	Kasane	-17.816	25.131	BMNH 1932.5.5.126	TP	MT140429	MT140502						
Z. senegalensis anderssoni	*Z. anderssoni*	Mozambique	Mount Namuli	-15.374	37.041	BMNH 2008.10.33	TP	MT140434	MT140507						
Z. senegalensis anderssoni	*Z. anderssoni*	Mozambique	Mount Namuli	-15.374	37.041	BMNH 2008.10.32	TP	MT140433	MT140506						
Z. senegalensis anderssoni	*Z. anderssoni*	Zambia	Livingstone	-17.891	25.830	BMNH 1947.75.10	TP	MT140432	MT140505						
Z. senegalensis anderssoni	*Z. anderssoni*	DRC		-10.796	27.027	BMNH 1936.4.13.66	TP	MT140431	MT140504						
Z. senegalensis anderssoni	*Z. anderssoni*	DRC		-10.796	27.027	BMNH 1936.4.13.65	TP	MT140430	MT140503						
Z. senegalensis demeryi	*Z. senegalensis*	Liberia	Mt Nimba	7.489	-8.571	BMNH 1977.20.2492	TP	MT140419	MT140491						
Z. senegalensis gerhardi	*Z. jacksoni*	South Sudan	Didinga Hills	4.334	33.581	BMNH 1939.10.1.284	TP	MT140441	MT140515						
Z. senegalensis heinrichi	*Z. quanzae*	Angola	N'dalatando	-9.301	14.877	BMNH 1910.5.6.1047	TP	MT140425	MT140498						
Z. senegalensis heinrichi	*Z. quanzae*	Angola	N'dalatando	-9.301	14.877	BMNH 1910.5.6.1052	TP	MT140424	MT140497						
Z. senegalensis heinrichi	*Z. quanzae*	Angola	Luena	-11.780	19.870	BMNH 1957.35.527	TP	MT140423	MT140496						
Z. senegalensis jacksoni	*Z. jacksoni*	Kenya	Mt Nyiru	2.133	36.850	BLS35	B	LK056883	LK056772	MT140550					
Z. senegalensis jacksoni	*Z. jacksoni*	Kenya	Mathews Range	1.282	37.298	BLS77	B	LK056871	LK056760	MT140552	MT140619				
Z. senegalensis jacksoni	*Z. jacksoni*	Kenya	Aberdares Range	1.050	36.850	ZMUC 146784	B	LK056890	LK056777	MT140551					
Z. senegalensis kasaicus	*Z. quanzae*	Angola	N'dalatando	-9.280	14.901	BMNH 1910.5.6.1049	TP	MT140428	MT140501						
Z. senegalensis quanzae	*Z. quanzae*	Angola	Quipeia	-10.574	15.862	BMNH 1957.35.331	TP	MT140426	MT140499						
Z. senegalensis quanzae	*Z. quanzae*	Angola	Quipeia	-10.574	15.862	BMNH1957.35.530	TP	MT140427	MT140500						
Z. senegalensis reichenowi		Uganda	Mubuku Valley	0.269	30.103	BMNH 1906.12.23.718	TP	MT140439	MT140513						
Z. senegalensis senegalensis	*Z. senegalensis*	Liberia	Mt Nimba	7.535	-8.517	BMNH 1977.20.2495	TP	MT140417	MT140487						
Z. senegalensis senegalensis	*Z. senegalensis*	Nigeria	Tunga	8.160	7.500	BMNH 1938.8.3.10	TP	MT140418	MT140488						
Z. senegalensis senegalensis	*Z. senegalensis*	Ghana	Kintampo	8.056	-1.731	BMNH 1911.12.23.2612	TP	MT140420	MT140492						
Z. senegalensis senegalensis	*Z. senegalensis*	Ghana		9.308	-1.244	LSUMZ B39250	S	DQ328443	DQ328343						
Z. senegalensis senegalensis	*Z. senegalensis*	Ghana		10.710	-0.555	LSUMZ B39514	S	DQ328442	DQ328342						
Z. senegalensis stuhlmanni	*Z. stuhlmanni*	Uganda	Mt Rwenzori	0.241	29.876	ZMUC 145103	B		MT140489						
Z. senegalensis stuhlmanni	*Z. stuhlmanni*	Uganda	Mt Rwenzori	0.241	29.876	ZMUC 145211	B		MT140490						
Z. senegalensis stuhlmanni	*Z. stuhlmanni*	DRC	Kivu	-2.249	28.835	ZMUC 128660	B	LK056893	LK056780	MT140548					
Z. senegalensis stuhlmanni	*Z. stuhlmanni*	DRC	Kivu	-2.249	28.835	ZMUC 128658	B	LK056894	LK056781	MT140549	MT140620	MT140593	MT140580	MT140601	MT140631
Z. senegalensis stenocricotus	*Z. stenocricotus*	Cameroon	Mt Cameroon	4.170	9.200	BMNH 1966.16.3386	TP	MT140421	MT140493						
Z. senegalensis stenocricotus	*Z. stenocricotus*	Cameroon	Mt Cameroon	4.170	9.200	MM STC01	B	LK056895	LK056782	GU827207		GU827252	GU827239		

Z. senegalensis stenocricotus	*Z. stenocricotus*	Equatorial Guinea	Bioko	3.573	8.692	MM STB001	S	GU827275	GU827227	GU827209		GU827254	GU827241		
Z. senegalensis stenocricotus	*Z. stenocricotus*	Equatorial Guinea	Bioko	3.573	8.692	MM STB002	S	GU827276	GU827228	GU827210			GU827242		
Z. senegalensis stierlingi	*Z. anderssoni*	Tanzania	Ndundulu Mts	-7.800	36.500	ZMUC 118724	B	MT140435	MT140508	MT140553					
Z. senegalensis stierlingi	*Z. anderssoni*	Tanzania	Ndundulu Mts	-7.800	36.500	ZMUC 118792	B	MT140436	MT140509	MT140554					
Z. senegalensis stierlingi	*Z. anderssoni*	Tanzania	Poroto Mts	-9.017	33.750	ZMUC 142607	B	LK056898	LK056784						
Z. senegalensis stuhlmanni	*Z. stuhlmanni*	Uganda	Mpumuru	0.517	30.317	BMNH 1913.7.16.140	TP		MT140495						
Z. senegalensis stuhlmanni	*Z. stuhlmanni*	Uganda	Entebbe	0.075	32.472	BMNH 1906.12.11.80	TP	MT140422	MT140494						
Z. senegalensis tongensis	*Z. anderssoni*	Mozambique	Coguno	-24.390	34.553	BMNH 1905.12.29.1713	TP	MT140438	MT140512						
Z. senegalensis toroensis		DRC	Godema	1.978	30.697	BMNH 1936.2.21.237	TP	MT140440	MT140514						
Z. silvanus		Kenya	Taita Hills	-3.383	38.361	JH TH13	B	LK056812	LK056703	MT140567	MT140621		MT140581	MT140603	MT140632
Z. silvanus		Kenya	Taita Hills	-3.383	38.361	JH TH212	B	LK056809	LK056700	MT140566					
Z. silvanus		Kenya	Taita Hills	-3.383	38.361	JH TH215	B	LK056808	LK056699	MT140565					
Z. splendidus		Solomon Islands	Ranongga Isl	-8.061	156.562	AMNH DOT171	T	MT140383	MT140453		FJ460971				
Z. splendidus		Solomon Islands	Ranongga Isl	-8.061	156.562	AMNH DOT174	T	MT140384	MT140454	MT140529		JQ94487 [RB4164]		MT140594	JQ94510 [RB4164]
Z. vaughani		Tanzania	Pemba Island	-4.948	39.676	BMNH 1947.5.41	TP	MT140451	MT140527						
Z. vaughani		Tanzania	Pemba Island	-4.948	39.676	BMNH 1947.5.53	TP	MT140452	MT140528						
Z. virens capensis	*Z. virens*	South Africa	Knysna	-34.083	23.067	BMNH 1905.12.29.1741	TP	MT140414	MT140484						
Z. virens capensis	*Z. virens*	South Africa	Cape Town	-33.960	18.409	PFIAO K1	B	MT140415	MT140485	MT140545	MT140622	JQ94483 [JF2145]		MT140600	JQ94505 [JF2145]
Z. virens virens	*Z. virens*	South Africa		-26.075	29.262	PFIAO AM36426	B	MT140416	MT140486	MT140547	MT140623				
Z. virens virens	*Z. virens*	South Africa		-26.075	29.262	PFIAO AM36429	B	LK056907	LK056793	MT140546					
Z. virens virens	*Z. virens*	South Africa		-26.075	29.262	PFIAO AM36433	B	LK056908	LK056794						
Z. winnifredae		Tanzania	Mount Shengena	-4.311	37.933	ZMUC 121694	B	MT140449	MT140525	MT140568					
Z. winnifredae		Tanzania	Mount Shengena	-4.311	37.933	ZMUC 121698	B	MT140450	MT140526	MT140569					
Z. winnifredae		Tanzania	S. Pare Mts	-4.045	37.735	ZMUC O5899	S	DQ328436	DQ328336						
Zosterornis whiteheadi		Philippines		13.909	122.959	KUNHM 18001	S	JN826960	JN827210		JN826431				JN825936

Novel sequence data generated in this study is represented by MT accession numbers.

Institutional abbreviations
AMNH – American Museum of Natural History
BMNH – The Natural History Museum, UK (NHMUK)
FMNH – The Field Museum of Natural History
KUNHM –The University of Kansas Biodiversity Institute and Natural History Museum
LSUMNS (LSUMZ) – Louisiana State University Museum of Natural Science
NRM – Swedish Museum of Natural History
PFIAO – Percy FitzPatrick Institute of African Ornithology
ZMUC – Zoological Museum University of Copenhagen

Collection codes
BLS – Luca Borghesio
BW – Ben Warren
COX – Siobhan Cox, Day lab, UCL
MM – Martin Melo
JH – Jan Habel

Sample type: B = Blood**;** T = Tissue; TP = Toe pad; S = sequence data from Genbank

Table S2. Primers used in the amplification of DNA from blood samples

Locus	Locus name	Primer name	Primer sequence 5' - 3'	PCR-conditions				Reference
				Denaturing	Annealing	Extension	Cycles	
mtDNA								
ND3	NADH dehydrogenase subunit 3	L10755	GACTTCCAATCTTTAAAATCTG	95ºC 45"	54ºC 30"	72ºC 45"	35	Chesser 1999
		H11151	GATTTGTTGAGCCGAAATCAAC					
Cyt b	Cytochrome b	CytbF25	GGCTCTCAATCTTCGTAAAAACC	95ºC 45"	60ºC 20"	72ºC 45"	30	Cox et al. 2014
		CytbR649	GGGTGGAATGGGATTTTGTC					
		CytbF409	GTAGGCTACGTCCTACCCTGAG	95ºC 45"	58ºC 20"	72ºC 45"	30	Helm-Bychowski and Cracraft 1993
		H16065	GAGTCTTCAGTCTCTGGTTTACAAGAC					
ATPase6	ATP Synthase subunit 6	L14990	CCATCCAACATCTCAGCATGATGAAA	94ºC 45"	55ºC 30"	72ºC 45"	30	Eldredge Bermingham Lab
		H15298	CCCTCAGAATGATATTTGTCCTCA					
nuDNA								
TGFβ2	Transformation-growth-factor beta 2 intron 5	TGF5	GAAGCGTGCTCTAGATGCTG	94ºC 30"	56ºC 30"	72ºC 45"	35	Primmer et al. 2002
		TGF6	AGGCAGCAATTATCCTGCAC					
G3PDH	Glyceraldehyde 3-phosphate dehydrogenase intron 11	L890	ACCTTTAATGCGGGTGCTGGCATTGC	94ºC 40"	60ºC 40"	72ºC 1'	40	Friesen et al. 1997
		H950	CATCAAGTCCACAACACGGTTGCTGTA					
FIB7	b-fibrinogen intron 7	Fib7U	GGAGAAAACAGGACAATGACAATTCAC	94ºC 45"	50º-54ºC 1'	74ºC 2'	30	Prychitko and Moore 1997
		Fib7L	TCCCCAGTAGTATCTGCCATTAGGGTT					
CHD1	Chromodomain-helicase-DNA binding gene	ZostF	TTATACTACACTGAATATCAGAGCCAC	94ºC 40"	50ºC 20"	72ºC 1'	35	Oatley et al. 2012
		ZostR	ACCGTCAATTCCCATTTCAGG					
MUSK	Muscle skeletal receptor tyrosine kinase gene intron 3	I3F	CTTCCATGCACTACAATGGGAAA	94ºC 40"	52ºC 20"	72ºC 1'	35	Kimball et al. 2009
		I3R	CTCTGAACATTGTGGATCCTCAA					

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Table S3. Primers used in the amplification of DNA from archival material

Locus	Locus name	Primer name	Primer sequence 5' - 3'	Primer characteristics			PCR-conditions							Reference
				Length	G-C content	GC clamp	PreDenat	6 Cycles*			6 Cycles			Final Extens.	
								Denat.	Anneal.	Extens.	Denat.	Anneal.	Extens.		
ND3	NADH dehydrogenase subunit 3	L10755	GACTTCCAATCTTTAAAATCTG	22 bp	31.82%		95ºC 4'	95ºC 30''	52.64ºC 30''	72ºC 30''	95ºC 30''	51ºC 30''	72ºC 30''	72ºC 9'	Chesser, 1999
		H11151	GATTTGTTGAGCCGAAATCAAC	22 bp	40.91%				60.84ºC 30''						
		ND3_Zost_F1	CCATTCTCAATCCGTTTCTTCCT	23 bp	43.48%				62.77ºC						This study
		ND3_Zost_R1	GTCGAATAGTAGGAATAGGATTGC	24 bp	41.67%	Y			57.52ºC 30''						
Cyt b	Cytochrome b	Cytb_Zost_F1	GCTCTCAATCTTCGTAAAAACCAC	24 bp	41.67%				60.51ºC 30''						
		Cytb_Zost_F2	ACACACTACACAGCAGACACCA	22 bp	50.00%				59.31ºC 30''						
		Cytb_Zost_F3	TAGGAGTTGTCCTTCTACTAGC	22 bp	45.45%	Y			52.44ºC 30''						
		Cytb_Zost_F4	CCGATTCTTTGCCCTACACTTC	22 bp	50.00%				62.16ºC 30''						
		Cytb_Zost_F5	CGTAGCTCTATTCGCTCCAAAC	22 bp	50.00%				60.40ºC 30''						
		Cytb_Zost_F6	GTTACACACGTCCAAGCTACGT	22 bp	50.00%				59.24ºC 30''						
		Cytb_Zost_R1	GTGAGCTACTGAAGCAAAGGCTA	23 bp	47.83%				60.22ºC 30''						
		Cytb_Zost_R2	CTACGAATGCGGTAGCCATTAG	22 bp	50.00%				60.97ºC 30''						
		Cytb_Zost_R3	CTAATGTGAGCCCTGCGATTAC	22 bp	50.00%				60.99ºC 30''						
		Cytb_Zost_R4	AATTTTCTGGGTCCCCTAGTAG	22 bp	45.45%				57.75ºC 30''						
		Cytb_Zost_R5	AGAGAGGTCGGAAGGTCATTGA	22 bp	50.00%				62.41ºC 30''						
		Cytb_Zost_R6	TTATAGTTTGAGTAGTTTATTTTCTAGGA	28 bp	24.14%	Y			54.59ºC						

*****Where the annealing temperature was lowered to 53°C there were two-cycle incrimination

References

Chesser, R. T. 1999. Molecular systematics of the Rhinocryptid genus *Pteroptochos*. The Condor, 101: 439-44

Figure S1. Mitochondrial (Cyt b, ND3, ATP6) Bayesian phylogeny (50% majority rule consensus) of Afrotropical *Zosterops*, including a subset of Asian taxa. Taxon names are based on the current taxonomy (Van Balen, 2019). See Appendix A for our proposed revised taxonomy. AR = Afrotropical radiation; the outgroup *Z. whiteheadi* has been removed for clarity. Support below branches = BPP.

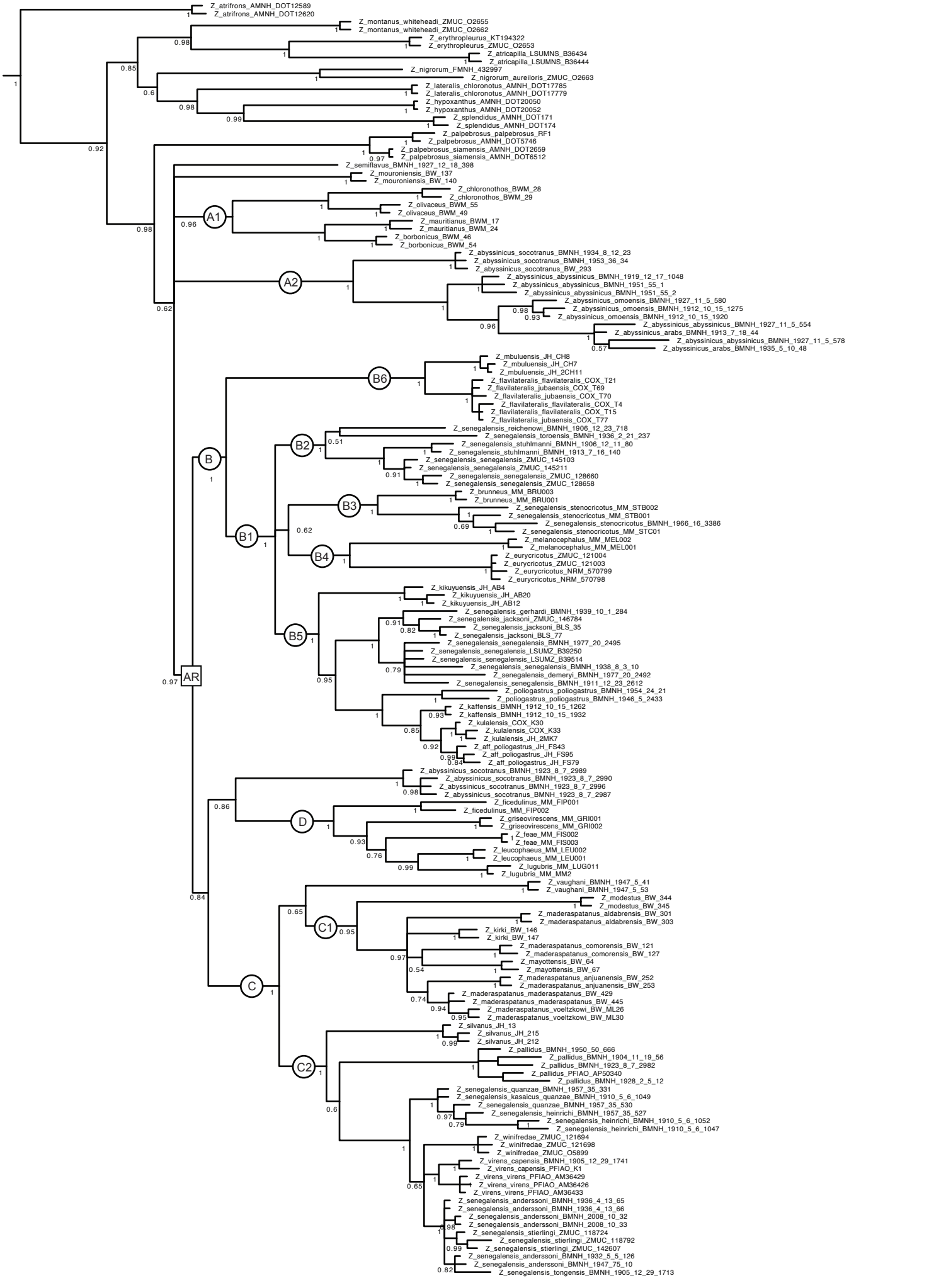

Figure S2. Nuclear Bayesian phylogeny (50% majority rule consensus) of a subset of Afrotropical *Zosterops*, with near complete sequence data including Asian species (branches highlighted in blue) and the outgroup *Zosterornis whiteheadi*. Taxon names are based on the current taxonomy (Van Balen, 2019). See Appendix A for our proposed revised taxonomy. Support below branches = BPPs.