

Appendix S1 *Cyanoramphus* specimens used for sequences generated in this study. Specimens in **bold** represent samples that did not yield amplifiable DNA. Abbreviations are as follows: AM, Auckland Museum; CM, Canterbury Museum; NMNZ, Museum of New Zealand Te Papa Tongarewa; OM, Otago Museum; VUW, Victoria University of Wellington (School of Biological Science); MM, Metz Museum, France. GenBank numbers KT596958-KT597050 also includes sequences generated by Boon et al. (2000, 2001a, 2001b) that were not deposited in GenBank with the original accessions (AB179749- AB179750; AF265700- AF265708; AF218739- AF218755).

Species (morphology)	Collection location	Collection date	Voucher information	mtDNA CR	GenBank no.
<i>Cyanoramphus novaezelandiae novaezelandiae</i>	Adams Island	Blood (2004)	VUW AD0	<i>C. n. novaezelandiae II</i>	KT596975
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD2	<i>C. n. novaezelandiae II</i>	KT596964
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD4	<i>C. n. novaezelandiae II</i>	KT596965
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD5	<i>C. n. novaezelandiae II</i>	KT596966
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD7	<i>C. n. novaezelandiae II</i>	KT596967
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD8	<i>C. n. novaezelandiae II</i>	KT596968
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD9	<i>C. n. novaezelandiae II</i>	KT596969
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD11	<i>C. n. novaezelandiae II</i>	KT596970
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD12	<i>C. n. novaezelandiae II</i>	KT596971
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD13	<i>C. n. novaezelandiae II</i>	KT596972
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD14	<i>C. n. novaezelandiae II</i>	KT596973
<i>C. n. noveazelandiae</i>	Adams Island	Blood (2004)	VUW AD15	<i>C. n. novaezelandiae I</i>	KT596962
<i>C. n. noveazelandiae</i>	Adams Island	Historical skin	NMNZ OR.11501	-	-
<i>C. n. noveazelandiae</i>	Adams Island	Historical skin (1942)	NMNZ OR.25575	-	-
<i>C. n. noveazelandiae</i>	Enderby Island	Historical skin (1943)	NMNZ OR.25577	<i>C. n. novaezelandiae II</i>	KT596990
<i>C. n. noveazelandiae</i>	Auckland Island	Historical skin (1944)	NMNZ OR.25565	<i>C. malherbi</i>	KT596982
<i>C. n. noveazelandiae</i>	Auckland Island	Historical skin (1944)	NMNZ OR.25566	<i>C. n. novaezelandiae II</i>	KT596986
<i>C. n. noveazelandiae</i>	Adams Island	Historical skin (1944)	NMNZ OR.25569	<i>C. n. novaezelandiae II</i>	KT596987
<i>C. n. noveazelandiae</i>	Adams Island	Historical skin (1944)	NMNZ OR.25570	<i>C. n. novaezelandiae II</i>	KT596988
<i>C. n. noveazelandiae</i>	Adams Island	Historical skin (1944)	NMNZ OR.25571	<i>C. n. novaezelandiae II</i>	KT596989
<i>C. n. noveazelandiae</i>	Ewing Island	Historical skin (1963)	NMNZ OR.9956	<i>C. n. novaezelandiae II</i>	KT596985
<i>C. n. noveazelandiae</i>	Ewing Island	Historical skin (1963)	NMNZ OR.9957	<i>C. malherbi</i>	KT596981
<i>C. n. noveazelandiae</i>	West Coast, South Island	Historical skin (1890)	NMNZ OR.475	<i>C. n. novaezelandiae II</i>	KT596992
<i>C. n. noveazelandiae</i>	Nelson	Historical skin (1905)	NMNZ OR.1809	<i>C. n. novaezelandiae II</i>	KT596993
<i>C. n. noveazelandiae</i>	Poor Knights Islands	Historical skin (1980)	NMNZ OR.1980	<i>C. n. novaezelandiae II</i>	KT596991
<i>Cyanoramphus auriceps</i>	Auckland Island	Historical skin (1944)	NMNZ OR.25568	<i>C. auriceps</i>	KT597033

<i>C. auriceps</i>	Auckland Island	Historical skin (1944)	NMNZ OR.25572	<i>C. auriceps</i>	KT597034
<i>C. auriceps</i>	Auckland Island	Historical skin (1942)	NMNZ OR.25573	<i>C. auriceps</i>	KT597032
<i>C. auriceps</i>	Auckland Island	Historical skin (1943)	NMNZ OR.25576	<i>C. malherbi</i>	KT596983
<i>C. auriceps</i>	Auckland Island	Historical skin (1943)	NMNZ OR.25578	<i>C. malherbi</i>	KT596984
<i>C. auriceps</i>	Taranga Island	Historical skin (1903)	NMNZ OR.4888	<i>C. auriceps</i>	KT597038
<i>C. auriceps</i>	Stewart Island	Historical skin (1899)	NMNZ OR.4896	<i>C. auriceps</i>	KT597037
<i>C. auriceps</i>	Stewart Island	Historical skin (1899)	NMNZ OR.4902	<i>C. malherbi</i>	KT597018
<i>C. auriceps</i>	D'Urville Island	Historical skin (1913)	NMNZ OR.4971	<i>C. malherbi</i>	KT597019
<i>C. auriceps</i>	Herekopare/Te Marama Island	Historical skin	NMNZ OR.4972	<i>C. auriceps</i>	KT597035
<i>C. auriceps</i>	Puwai Long Island	Historical skin (1964)	NMNZ OR.11329	<i>C. auriceps</i>	KT597040
<i>C. auriceps</i>	Top House Nelson	Historical skin (1933)	NMNZ OR.18643	<i>C. auriceps</i>	KT597039
<i>C. auriceps</i>	Lake Waikaremoana	Historical skin (1974)	NMNZ OR.19463	<i>C. auriceps</i>	KT597041
<i>C. auriceps</i>	Taupo	Historical skin (1978)	NMNZ OR.21507	<i>C. auriceps</i>	KT597036
<i>C. auriceps</i>	Whirinaki Forest	Historical skin (1981)	NMNZ OR.22383	<i>C. auriceps</i>	KT597043
<i>C. auriceps</i>	Hope River	Historical skin (1979)	NMNZ OR.22696	<i>C. auriceps</i>	KT597042
<i>C. auriceps</i>	Tararua Mountains	Historical skin (1999)	NMNZ OR.25842	<i>C. auriceps</i>	KT597044
<i>Cyanoramphus malherbi</i>	Unknown location	Historical skin	OM Av448	<i>C. auriceps</i>	KT597010
<i>C. malherbi</i>	Unknown location	Historical skin	OM Av449	<i>C. auriceps</i>	KT597011
<i>C. malherbi</i>	Unknown location	Historical skin (1874)	OM Av712	-	-
<i>C. malherbi</i>	Nelson	Historical skin (1856)	AM 4179	-	-
<i>C. malherbi</i>	Otago or Nelson	Historical skin (1885)	AM 7869	-	-
<i>C. malherbi</i>	Owen Junction	Historical skin (1928)	CM Av63	<i>C. auriceps</i>	KT597008
<i>C. malherbi</i>	Takaka	Historical skin (1915)	CM Av64	<i>C. auriceps</i>	KT597009
<i>C. malherbi</i>	Unknown location	Historical skin	CM Av2060	-	-
<i>C. malherbi</i>	Unknown location	Historical skin	CM Av2061	-	-
<i>C. malherbi</i>	Unknown location	Historical skin	CM Av2074	<i>C. malherbi</i>	KT597016
<i>C. malherbi</i>	Nelson	Historical skin (1896)	CM Av2075	<i>C. auriceps</i>	KT597017
<i>C. malherbi</i>	Stewart Island	Historical skin (1904)	NMNZ OR.472	<i>C. auriceps</i>	KT597012
<i>C. malherbi</i>	Unknown location	Historical skin	NMNZ OR.4825	-	-
<i>C. malherbi</i>	Waiarapa	Historical skin	NMNZ OR.13877	-	-
<i>C. malherbi</i>	Lake Sumner	Historical skin (1981)	NMNZ OR.22273	<i>C. auriceps</i>	KT597013
<i>C. malherbi</i>	Lake Sumner	Historical skin (1981)	NMNZ OR.22274	<i>C. auriceps</i>	KT597014
<i>C. malherbi</i>	Unknown Locality (captive)	Historical skin (1996)	NMNZ OR.25784	<i>C. n. novaezelandiae</i> 1	KT597015
<i>C. malherbi</i>	“South Island”	Historical skin	MM 1309	-	-