

Supplementary Material

Genomic data show little geographical structure across the naturally fragmented range of the purple-gaped honeyeater

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Supplemental Table S1. Metadata of specimens of *Lichenostomus cratitius* and *L. melanops* used here (all collected between 1989 and 2017). All are from the Australian National Wildlife Collection except MV B18038 from Museum Victoria. Localities and latitudes and longitudes are abbreviated. Seven specimens marked with an asterisk * are those in the mtDNA clade of Figure 2 having 99% bootstrap support. Full details available from the Atlas of Living Australia (<http://www.ala.org.au>). Abbreviations: EP, Eyre Peninsula; KI, Kangaroo Island; km - kilometres; NSW – New South Wales; QLD – Queensland; Rd – road; SA – South Australia; VIC – Victoria; WA – Western Australia; YP - Yorke Peninsula. In the Locality column, read localities as follows: “Cave Hill, S Coolgardie” reads “Cave Hill, south of Coolgardie.”

Species, Specimen	State	Locality	Sex	Latitude	Longitude	Number in Figure 2	GenBank Accession for <i>ND2</i>
<i>L. cratitius</i>							
B42451*	SA	22 km E Murray Bridge	F	-35.15	139.55	29	MW310595
B42452*	SA	22 km E Murray Bridge	M	-35.15	139.55	27	MW310596
B42481	SA	Cape Gantheaume, KI	M	-35.98	137.61	19	MW310597
B42482	SA	Cape Gantheaume, KI	M	-35.98	137.61	20	MW310598
B42501	SA	Cape Gantheaume, KI	M	-35.98	137.62	21	MW310622
B46555	SA	Stenhouse Bay, YP	F	-35.03	137.29	22	MW310599
B46591	SA	15 km SW Warooka, YP	M	-35.06	137.25	18	MW310600
B46598*	SA	30 km SW Warooka, YP	M	-35.10	137.16	30	MW310623
B46607	SA	30 km SW Warooka, YP	M	-35.10	137.16	11	MW310601
B46608	SA	30 km SW Warooka, YP	M	-35.10	137.16	6	MW310602
B46695	SA	8 km W Cummins, EP	M	-34.25	135.65	--	Not sequenced
B46696*	SA	8 km W Cummins, EP	M	-34.25	135.65	31	MW310603
B46697	SA	8 km W Cummins, EP	F	-34.25	135.65	3	MW310604
B48475	SA	12 km W Cummins, EP	F	-34.27	135.60	5	MW310617
B48476	SA	12 km W Cummins, EP	M	-34.27	135.60	--	Not sequenced
B48488	SA	15 km SE Coffin Bay, EP	F	-34.70	135.59	7	MW310605
MV B18038	SA	10 km N Fowlers Bay, EP	M	-31.92	132.52	--	Not sequenced
B49959*	SA	18 km W Coonalpyn	F	-35.70	139.69	28	MW310606
B31830	WA	7 km W Hopetoun	F	-33.93	120.10	13	HQ267664
B58919	WA	Burra Rock, S Coolgardie	M	-31.39	121.20	--	Not sequenced
B58921	WA	Cave Hill, S Coolgardie	F	-31.66	121.23	1	MW310621
B58938	WA	Cave Hill, S Coolgardie	F	-31.66	121.23	2	MW310594

B58971	WA	50 km W Norseman	M	-32.18	121.23	9	MW310607
B58975	WA	50 km W Norseman	M	-32.18	121.23	4	MW310608
B58976	WA	50 km W Norseman	F	-32.18	121.23	16	MW310609
B60019	WA	90 km SE Balladonia	M	-32.75	124.98	12	MW310618
B60038*	WA	90 km SE Balladonia	M	-32.75	124.98	26	MW310610
B60039	WA	90 km SE Balladonia	M	-32.75	124.98	23	MW310611
B60040	WA	90 km SE Balladonia	F	-32.75	124.98	24	MW310612
B60058	WA	S Cocklebiddy Roadhouse	M	-32.04	126.10	10	MW310619
B60059	WA	S Cocklebiddy Roadhouse	M	-32.04	126.10	8	MW310613
B60087	WA	S Madura Roadhouse	M	-32.05	127.05	14	MW310614
B60088	WA	S Madura Roadhouse	F	-32.05	127.05	17	MW310615
B60089	WA	S Madura Roadhouse	M	-32.05	127.05	15	MW310616
B60115*	WA	30 km S Mundrabilla HS	M	-32.07	127.95	25	MW310620

L. melanops

B44915	VIC	near Bairnsdale	F	-37.63	147.54		KJ586870
B43492	QLD	Kroombit Tops	F	-24.34	150.95		MW310592
B43648	NSW	Yalwal State Forest	M	-34.85	150.41		MW310593
