

Islands under islands: The phylogeography and evolution of *Halocaridina rubra* Holthuis, 1963 (Crustacean: Decapoda: Atyidae) in the Hawaiian archipelago

Jonathan D. Craft, Atlantis D. Russ, Mike N. Yamamoto, Thomas Y. Iwai Jr., Skippy Hau, John Kahiapo, Charlie T. Chong, Sharon Ziegler-Chong, Cam Muir, Yoshihisa Fujita, Dan A. Polhemus, Robert A. Kinzie III, and Scott R. Santos

Web Appendix 1. Distribution and frequency of COI haplotypes for *Halocaridina*, *Halocaridinides trigonophthalma*, and the *Antecaridina* sp. by lineage or species. Detailed information regarding *Halocaridina* haplotypes 1–135 (Genbank accession numbers DQ399124–DQ399258) are presented in Santos (2006).

Haplotype number	Haplotype name	Lineage/species	Genbank accession number	Number of individuals	Sample names
136	HM1	<i>Halocaridina</i> South Maui	EF173755	2	HM1 MLOM9
137	HM2		EF173756	7	HM2 HM6 MLOM12 MLOM13 JOE1 SKIP1 KWS1
138	HM3		EF173757	1	HM3
139	HM4		EF173758	2	HM4 KAUP2
140	HM5		EF173759	17	HM5 HM7 HM8 HM9 HM11 HM13 HM16 HM17 HM18 MLOM7 MLOM10 JOE4 SKIP2 SKIP5 SKIP6 KAUP1 KAUP3
141	HM6		EF173760	3	HM10 MLOM1 JOE6
142	HM7		EF173761	6	HM12 HM23 MLOM6 MLOM14 JOE3 SKIP4
143	HM8		EF173762	2	HM14 MLOM16
144	HM9		EF173763	1	HM15
145	HM10		EF173764	1	HM19
146	HM11		EF173765	1	HM20
147	HM12		EF173766	1	HM21
148	HM13		EF173767	1	HM22
149	HM14		EF173768	1	MLOM2
150	HM15		EF173769	1	MLOM3
151	HM16		EF173770	1	MLOM4
152	HM17		EF173771	1	MLOM5

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Haplotype number	Haplotype name	Lineage/species	Genbank accession number	Number of individuals	Sample names
153	HM18		EF173772	1	MLOM8
154	HM19		EF173773	1	MLOM11
155	HM20		EF173774	1	MLOM15
156	HM21		EF173775	1	JOE2
157	HM22		EF173776	1	SKIP3
158	HM23		EF173777	1	KWS2
159	HM24		EF173778	1	KAUP6
160	WC1	<i>Halocaridina</i> East Maui	EF173779	1	WC1
161	WC2		EF173780	16	WC2 WC3 WC7 WC10 WC12 WC13 WC16 WC18 WC20 WC21 WC22 WC23 WC24 WC25 WC26 WC28
162	WC3		EF173781	1	WC4
163	WC4		EF173782	1	WC5
164	WC5		EF173783	1	WC6
165	WC6		EF173784	1	WC8
166	WC7		EF173785	2	WC9 WC29
167	WC8		EF173786	1	WC11
168	WC9		EF173787	1	WC14
169	WC10		EF173788	1	WC15
170	WC11		EF173789	1	WC19
171	WC12		EF173790	1	WC30
172	WC13		EF173791	1	WC31
173	KKU1	<i>Halocaridina</i> Windward Oahu	EF173792	4	KKU1 KKU6 EP11 EP26
174	KKU2		EF173793	17	KKU2 KKU3 KKU4 EP1 EP2 EP5 EP9 EP12 EP13 EP14 EP15 EP16 EP18 EP20 EP23 EP24 EP25
175	KKU3		EF173794	4	KKU5 EP8 EP10 EP19

Web Appendix 1. Continued.

Haplotype number	Haplotype name	Lineage/species	Genbank accession number	Number of individuals	Sample names
176	KKU4		EF173795	1	EP3
177	KKU5		EF173796	1	EP6
178	KKU6		EF173797	1	EP7
179	KKU7		EF173798	1	EP17
180	KKU8		EF173799	1	EP22
181	KAP1	<i>Halocaridina</i> West Hawai'i	EF173800	7	KIP1 KIP4 KIP5 KIP14 KIP21 KIP22 KIP23
182	KAP2		EF173801	17	KIP2 KIP3 KIP6 KIP7 KIP8 KIP9 KIP10 KIP11 KIP15 KIP17 KIP18 KIP19 KIP20 KIP24 KIP25 KIP26 KIP30
183	KAP3		EF173802	2	KIP12 KIP13
184	KAP4		EF173803	1	KIP16
185	KAP5		EF173804	1	KIP27
186	KAP6		EF173805	1	KIP28
187	KAP7		EF173806	1	KIP29
188	LAN1	<i>Halocaridina</i> Windward Oahu	EF173807	5	LAN1 LAN3 LAN4 LAN5 LAN6
189	LAN2		EF173808	1	LAN2
190	EWA1	<i>Halocaridina</i> South Oahu	EF173809	18	EWA1 EWA4 EWA5 EWA6 WP6_4 WP6_5 WP6_6 WP6_10 WP6_11 WP6_12 WP7_2 WP7_8 WP8_1 WP8_4 KBP1 KBP13 KBP_R5 KBP_R6

Web Appendix 1. Continued.

Haplotype number	Haplotype name	Lineage/species	Genbank accession number	Number of individuals	Sample names
191	EWA2		EF173810	3	EWA2 WP6_7 WP7_12
192	EWA3		EF173811	1	EWA3
193	EWA4		EF173812	1	WP6_1
194	EWA5		EF173813	7	WP6_2 WP6_3 WP6_9 WP7_5 WP7_6 WP7_7 WP7_11
195	EWA6		EF173814	1	WP6_8
196	EWA7		EF173815	1	WP7_1
197	EWA8		EF173816	1	WP7_9
198	EWA9		EF173817	1	WP7_10
199	EWA10		EF173818	1	WP7_13
200	EWA11		EF173819	1	WP8_2
201	EWA12		EF173820	1	WP8_3
202	EWA13		EF173821	1	KBP6
203	KBP1	<i>Halocaridina</i> West Oahu	EF173822	20	KBP2 KBP3 KBP7 KBP8 KBP9 KBP10 KBP12 KBP14 KBP15 KBP19 KBP_W2 KBP_W3 KBP_W4 KBP_W5 KBP_W7 KBP_R1 KBP_R2 KBP_R3 KBP_R4 KBP_R7
204	KBP2		EF173823	1	KBP4
205	KBP3		EF173824	6	KBP5 KBP11 KBP16 KBP18 KBP20
206	KBP4		EF173825	1	KBP_W1 KBP17

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Haplotype number	Haplotype name	Lineage/species	Genbank accession number	Number of individuals	Sample names
207	OWAI1	<i>Halocaridina</i> West Oahu	EF173826	22	OWAI1 OWAI2 OWAI3 OWAI4 OWAI6 OWAI7 OWAI9 OWAI10 OWAI11 OWAI12 OWAI14 OWAI16 OWAI19 OWAI20 OWAI21 OWAI23 OWAI24 OWAI26 OWAI27 OWAI28 OWAI29 OWAI30
208	OWAI2		EF173827	1	OWAI5
209	OWAI3		EF173828	1	OWAI8
210	OWAI4		EF173829	1	OWAI15
211	OWAI5		EF173830	1	OWAI18
212	OWAI6		EF173831	1	OWAI22
213	OWAI7		EF173832	1	OWAI25
214	PU1	<i>Halocaridina</i> Ka'ū	EF173833	12	PU1 PU2 PU4 PU5 PU7 PU9 PU14 PU17 PU23 PU24 PU25 PU26
215	PU2		EF173834	1	PU3
216	PU3		EF173835	8	PU6 PU8 PU10 PU11 PU15 PU16 PU21 PU22
217	PU4		EF173836	1	PU13
218	PU5		EF173837	1	PU20

Web Appendix 1. Continued.

Haplotype number	Haplotype name	Lineage/species	Genbank accession number	Number of individuals	Sample names
219	OKI1	<i>Halocaridinides trigonophthalma</i>	EF173838	11	IJ1 IJ2 IJ3 IJ7 IJ8 IJ9 IJ10 IJ11 IJ13 IJ14 MJ2
220	OKI2		EF173839	1	IJ4
221	OKI3		EF173840	1	IJ6
222	OKI4		EF173841	1	IJ12
223	OKI5		EF173842	1	MJ1
224	ET1	<i>Antecaridina</i> sp.	EF173843	1	ET1
225	ET2		EF173844	2	ET2 ET5
226	ET3		EF173845	1	ET3
227	ET4		EF173846	1	ET4
228	ET5		EF173847	1	ET6