

Restricted dispersal of the reef fish *Myripristis berndti* at the scale of the SW Indian Ocean

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Supplement. Additional data

Table S1. *Myripristis berndti*. Sampling details from the western Indian Ocean to the eastern Pacific Ocean. GPS coordinates, sampling dates, and size of samples in the present study and the details of the Craig et al. (2007) samples used in this study

	Population location	n	GPS coordinates			Abbreviation	Sampling date	
SW Indian Ocean (present study)	Kenya	11	4°65	S	39°38	E	KEN	September 2010
	Europa	45	22°24	S	40°23	E	EUR	May 2010
	Juan de Nova	37	17°03	S	42°47	E	JDN	May 2010
	Moheli	18	12°24	S	43°41	E	MOH	October 2010
	Moroni	44	11°47	S	43°14	E	MOR	October 2010
	Mayotte	46	12°52	S	45°15	E	MAY	March 2008
	Geyser bank	31	12°21	S	46°26	E	GEY	May 2010
	Glorieuses	46	11°34	S	47°23	E	GLO	May 2009
	Madagascar east	21	16°50	S	49°55	E	MAD	November 2010
	Reunion	44	21°05	S	55°14	E	RUN	March 2007
Pacific Ocean (Craig et al. 2007)	Akajima	6	26°20	N	127°33	E	–	–
	Okinawa	7	26°23	N	127°46	E	–	–
	Lizard Island	9	14°66	S	145°44	E	–	–
	Canton island	7	2°48	S	171°40	E	–	–
	Kiribati	12	1°28	N	173°20	E	–	–
	Midway	22	28°12	N	177°21	W	–	–
	Hawai	31	19°34	N	155°30	W	–	–
	Moorea	18	17°32	S	149°50	W	–	–
	Marquesas	18	9°27	S	139°23	W	–	–
	Clipperton	15	10°18	N	109°13	W	–	–
	Panama	19	8°58	N	79°32	W	–	–

Table S2. *Myripristis berndti*. Haplotypic frequencies for the 10 populations sampled in the SWIO

Haplotype:	EUR	JDN	MAY	MOH	MOR	GEY	GLO	KEN	MAD	RUN	TOTAL	GenBank accession number
n	45	37	46	18	44	31	46	11	21	44		
Hap_1	19	10	15	8	15	11	14	1	5	15	113	HQ687596
Hap_2	0	0	0	1	0	0	0	0	0	0	1	HQ687597
Hap_3	1	3	0	1	6	3	1	0	2	0	17	HQ687598
Hap_4	0	0	0	1	0	0	0	0	0	0	1	HQ687599
Hap_5	0	0	0	1	0	0	1	1	0	0	3	HQ687600
Hap_6	0	2	1	1	1	1	0	0	0	0	6	HQ687601
Hap_7	1	2	1	1	3	2	0	0	1	0	11	HQ687602
Hap_8	0	0	0	1	1	0	2	0	0	1	5	HQ687603
Hap_9	0	0	0	1	1	0	0	0	0	0	2	HQ687604
Hap_10	2	0	2	1	1	2	3	0	0	1	12	HQ687605
Hap_11	0	0	0	1	0	0	0	0	0	0	1	HQ687606
Hap_12	1	0	0	0	0	1	0	0	0	0	2	HQ687607
Hap_13	1	0	0	0	0	0	0	0	0	0	1	HQ687608
Hap_14	1	1	1	0	0	1	1	1	0	0	6	HQ687609
Hap_15	3	0	0	0	0	2	2	0	2	1	10	HQ687610
Hap_16	1	0	0	0	0	0	1	0	0	0	2	HQ687611
Hap_17	1	0	0	0	0	0	0	0	0	0	1	HQ687612
Hap_18	3	1	5	0	1	0	4	0	0	1	15	HQ687613
Hap_19	1	0	1	0	2	0	3	6	0	1	14	HQ687614
Hap_20	3	0	1	0	0	0	1	0	2	0	7	HQ687615
Hap_21	1	0	0	0	0	0	0	0	0	0	1	HQ687616
Hap_22	1	0	0	0	0	0	0	0	0	0	1	HQ687617
Hap_23	1	0	0	0	0	0	0	0	0	0	1	HQ687618
Hap_24	1	2	1	0	2	1	2	0	2	1	12	HQ687619
Hap_25	1	0	0	0	0	0	0	0	0	0	1	HQ687620
Hap_26	1	0	0	0	0	0	0	0	0	0	1	HQ687621
Hap_27	1	0	1	0	0	0	1	0	0	1	4	HQ687622
Hap_28	0	0	0	0	0	1	0	0	0	0	1	HQ687623
Hap_29	0	2	0	0	1	1	1	0	0	0	5	HQ687624
Hap_30	0	0	0	0	1	1	0	0	0	1	3	HQ687625
Hap_31	0	0	0	0	0	1	0	0	0	0	1	HQ687626
Hap_32	0	0	0	0	0	1	0	0	0	0	1	HQ687627
Hap_33	0	0	0	0	0	1	0	0	0	0	1	HQ687628
Hap_34	0	0	0	0	0	1	0	0	0	0	1	HQ687629
Hap_35	0	0	1	0	0	0	1	0	0	2	4	HQ687630
Hap_36	0	0	1	0	0	0	1	0	0	1	3	HQ687631
Hap_37	0	5	2	0	4	0	4	2	1	2	20	HQ687632
Hap_38	0	0	0	0	0	0	1	0	0	0	1	HQ687633
Hap_39	0	0	0	0	0	0	1	0	0	0	1	HQ687634
Hap_40	0	0	0	0	0	0	1	0	0	0	1	HQ687635
Hap_41	0	1	0	0	0	0	0	0	0	0	1	HQ687636
Hap_42	0	1	0	0	0	0	0	0	0	0	1	HQ687637

Hap_43	0	1	0	0	0	0	0	0	0	0	1	HQ687638
Hap_44	0	1	0	0	0	0	0	0	0	1	2	HQ687639
Hap_45	0	1	0	0	0	0	0	0	0	0	1	HQ687640
Hap_46	0	1	0	0	0	0	0	0	0	0	1	HQ687641
Hap_47	0	1	0	0	0	0	0	0	0	0	1	HQ687642
Hap_48	0	1	2	0	1	0	0	0	0	7	11	HQ687643
Hap_49	0	1	0	0	0	0	0	0	0	0	1	HQ687644
Hap_50	0	0	1	0	0	0	0	0	1	0	2	HQ687645
Hap_51	0	0	0	0	0	0	0	0	1	0	1	HQ896824
Hap_52	0	0	0	0	0	0	0	0	1	0	1	HQ896825
Hap_53	0	0	0	0	0	0	0	0	1	0	1	HQ896826
Hap_54	0	0	0	0	0	0	0	0	1	0	1	HQ896827
Hap_55	0	0	0	0	0	0	0	0	1	0	1	HQ896828
Hap_56	0	0	1	0	0	0	0	0	0	0	1	HQ687646
Hap_57	0	0	1	0	0	0	0	0	0	0	1	HQ687647
Hap_58	0	0	1	0	0	0	0	0	0	0	1	HQ687648
Hap_59	0	0	1	0	0	0	0	0	0	0	1	HQ687649
Hap_60	0	0	1	0	0	0	0	0	0	0	1	HQ687650
Hap_61	0	0	1	0	0	0	0	0	0	0	1	HQ687651
Hap_62	0	0	1	0	0	0	0	0	0	0	1	HQ687652
Hap_63	0	0	1	0	0	0	0	0	0	0	1	HQ687653
Hap_64	0	0	1	0	0	0	0	0	0	0	1	HQ687654
Hap_65	0	0	1	0	0	0	0	0	0	0	1	HQ687655
Hap_66	0	0	0	0	1	0	0	0	0	0	1	HQ687656
Hap_67	0	0	0	0	1	0	0	0	0	1	2	HQ687657
Hap_68	0	0	0	0	1	0	0	0	0	0	1	HQ687658
Hap_69	0	0	0	0	1	0	0	0	0	0	1	HQ687659
Hap_70	0	0	0	0	0	0	0	0	0	1	1	HQ687660
Hap_71	0	0	0	0	0	0	0	0	0	1	1	HQ687661
Hap_72	0	0	0	0	0	0	0	0	0	1	1	HQ687662
Hap_73	0	0	0	0	0	0	0	0	0	1	1	HQ687663
Hap_74	0	0	0	0	0	0	0	0	0	1	1	HQ687664
Hap_75	0	0	0	0	0	0	0	0	0	2	2	HQ687665