

Supplementary material

Isotopic evidence of connectivity between an inshore vegetated lagoon (nursery habitat) and coastal artificial reefs (adult habitats) for the reef fish *Lethrinus lentjan* on the Terengganu coast, Malaysia

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Table S1. Multiple comparisons in otolith stable isotope ($\delta^{13}\text{C}_{\text{otolith}}$ and $\delta^{18}\text{O}_{\text{otolith}}$) values among fishes collected from different sampling periods in Setiu Lagoon and coastal artificial reefs (CARs)

The error term is mean square (error) = 0.111. JApril, juvenile portion in adult fishes sampled from CARs in April; JAug, juvenile portion in adult fishes sampled from CARs in August; JLJan16, juveniles sampled from Setiu Lagoon (Site 1) in January 2016; JLJul16, juveniles sampled from Setiu Lagoon (Site 1) in July 2016; JLJul17, juveniles sampled from Setiu Lagoon (Site 2) in July 2017

OSI	Scheffe		Mean difference (I – J)	s.e.	P	95% confidence interval	
	(I) Groups	(J) Groups				Lower bound	Upper bound
$\delta^{13}\text{C}_{\text{otolith}}$	JApril	JAug	0.58	0.43	0.765	-0.82	1.95
		JLJan16	2.06 ^A	0.54	0.016	0.28	3.83
		JLJul16	2.72 ^A	0.54	0.001	0.94	4.49
		JLJul17	1.70	0.54	0.067	-0.08	3.47
	JAug	JApril	-0.58	0.43	0.765	-1.99	0.82
		JLJan16	1.48	0.54	0.144	-0.30	3.25
		JLJul16	2.14 ^A	0.54	0.011	0.36	3.91
		JLJul17	1.12	0.54	0.394	-0.66	2.89
	JLJan16	JApril	-2.06 ^A	0.54	0.016	-3.83	-0.28
		JAug	-1.48	0.54	0.144	-3.25	0.30
		JLJul16	0.66	0.64	0.896	-1.42	2.74
		JLJul17	-0.36	0.64	0.988	-2.44	1.72
	JLJul16	JApril	-2.72 ^A	0.54	0.001	-4.49	-0.94
		JAug	-2.14 ^A	0.54	0.011	-3.91	-0.36
		JLJan16	-0.66	0.63	0.896	-2.74	1.42
		JLJul17	-1.02	0.64	0.637	-3.10	1.06
	JLJul17	JApril	-1.70	0.54	0.067	-3.47	0.077
		JAug	-1.12	0.54	0.394	-2.89	0.66
		JLJan16	0.36	0.64	0.988	-1.72	2.44
		JLJul16	1.02	0.64	0.637	-1.06	3.10
$\delta^{18}\text{O}_{\text{otolith}}$	JApril	JAug	-0.06	0.14	0.995	-0.53	0.40
		JLJan16	2.21 ^A	0.18	0.000	1.62	2.79
		JLJul16	0.39	0.18	0.344	-0.20	0.97
		JLJul17	0.95 ^A	0.18	0.000	0.36	1.53
	JAug	JApril	0.06	0.14	0.995	-0.40	0.53
		JLJan16	2.27 ^A	0.18	0.000	1.69	2.86
		JLJul16	0.45	0.18	0.204	-0.14	1.04
		JLJul17	1.01 ^A	0.18	0.000	0.43	1.60
	JLJan16	JApril	-2.21 ^A	0.18	0.000	-2.79	-1.62
		JAug	-2.27 ^A	0.18	0.000	-2.86	-1.69
		JLJul16	-1.82 ^A	0.21	0.000	-2.51	-1.13
		JLJul17	-1.26 ^A	0.21	0.000	-1.95	-0.57
	JLJul16	JApril	-0.39	0.18	0.344	-0.97	0.20
		JAug	-0.45	0.18	0.204	-1.04	0.14
		JLJan16	1.82 ^A	0.21	0.000	1.13	2.51
		JLJul17	0.56	0.21	0.159	-0.13	1.25
	JLJul17	JApril	-0.95 ^A	0.18	0.000	-1.53	-0.36

Scheffe							
OSI	(I) Groups	(J) Groups	Mean difference (I – J)	s.e.	<i>P</i>	95% confidence interval	
						Lower bound	Upper bound
		JAug	-1.01 ^A	0.18	0.000	-1.60	-0.43
		JLJan16	1.26 ^A	0.21	0.000	0.57	1.95
		JLJul16	-0.56	0.21	0.159	-1.25	0.13

^AThe mean difference is significant at the 0.05 level.