

Table 2 Chi-square ( $\chi^2$ ) test for a sex ratio of 0.5 for the Omani Indian oil sardine (*S. longiceps*) during the sampling months by size classes

Size class (cm) lower length	1997–98			$\chi^2$ value	2004–2008			
	Females (F)	Males (M)	Sex ratio		Females (F)	Males (M)	Sex Ratio	$\chi^2$ value
10	2	2	0.5	0				
10.5	1	10	0.09	7.36				
11	4	22	0.15	12.46**				
11.5	1	0	1	1				
12	4	0	1	4		1	0	1
12.5	22	0	1	22**	1	1	0.5	0
13	75	0	1	75**				
13.5	70	11	0.86	43**	5	10	0.33	1.67
14	57	15	0.79	24.5**	47	36	0.57	1.46
14.5	48	27	0.64	5.88*	67	60	0.53	0.39
15	48	24	0.67	8**	122	70	0.64	14.08**
15.5	46	57	0.45	1.17	144	41	0.78	57.35**
16	71	66	0.52	0.18	121	61	0.66	19.78**
16.5	101	89	0.53	0.76	119	54	0.69	24.42**
17	103	62	0.62	10.19**	137	64	0.68	26.51**
17.5	76	48	0.61	6.84**	75	37	0.67	12.89**
18	45	31	0.59	2.58	44	20	0.69	9**
18.5	32	17	0.65	4.59*	24	12	0.67	4*
19	23	32	0.42	1.47	19	13	0.59	1.13
19.5	20	20	0.5	0	7	15	0.32	2.91
20	30	19	0.61	2.46	20	24	0.45	0.36
20.5	21	6	0.78	8.33**	26	4	0.87	16.13**
21	4	0	1	4*	17	4	0.81	8.05**
21.5					3	2	0.6	0.2
22					1	1	0.5	0

Note: T: total; F: female; M: male; \*P < 0.05, \*\*P < 0.01)