

Supplementary material - Hadjiaghai and Ladich

TABLE I. Morphometric data of males (M10 - M17) and females (M1 - M9). BM - body mass, SL - standard length, TL - total length, PSL - pectoral spine length, rPSL - relative pectoral spine length.

Fish	BM (g)	SL (mm)	TL (mm)	PSL (mm)	rPSL
M1	13.5	77.0	90.5	12.3	0.200
M2	13.3	78.8	91.5	12.7	0.139
M3	14.4	83.0	100.0	13.7	0.137
M4	13.5	79.5	93.5	12.4	0.133
M5	9.8	71.5	83.5	11.1	0.132
M6	14.6	81.5	96.0	12.9	0.134
M7	10.0	71.3	84.7	11.4	0.135
M8	11.0	75.3	88.7	12.4	0.140
M9	17.1	87.0	101.7	13.7	0.135
M10	12.2	78.0	91.0	21.7	0.238
M11	16.2	84.7	100.3	24.7	0.246
M12	14.4	83.7	97.0	23.7	0.245
M13	19.1	86.2	104.0	24.5	0.236
M14	13.2	78.3	92.7	23.1	0.249
M15	14.0	79.0	94.5	22.3	0.235
M16	14.7	82.0	97.0	22.3	0.230
M17	32.9	105.8	126.0	29.9	0.237

TABLE II. Mean sound characteristics of males (M10 - M17) and females (M1 - M9).

Fish	Sound type	Sound duration (ms)	Dominant frequency (Hz)		Sound pressure level (dB)
			Bark part 1	Bark part 2	
M1	crackle	200	551.3		111.1
M2		144	545.0		113.3
M3		149	618.7		114.4
M4		161	587.1		116.2
M5		158	597.6		110.8
M6		142	515.7		109.4
M8		154	556.2		114.4
M9		230	521.3		109.9
M10	bark	209	456.8	557.9	112.3
M11		192	153.1	350.8	107.0
M12		243	436.9	486.0	111.3
M13		250	150.5	327.8	113.2
M14		264	170.8	338.9	109.8
M15		206	189.8	266.2	112.4
M16		169	213.0	495.0	109.2
M10	thump	210	155.2		117.9
M11		218	141.5		118.5
M12		249	121.7		116.3
M13		230	141.1		121.8
M14		214	105.8		113.8
M16		226	147.0		118.7
M17		334	114.9		132.8

TABLE III. Hearing thresholds of males (M10 - M16) and females (M1 - M9). n.m. – not measured.

Fish	Frequency (kHz)								
	0.1	0.2	0.3	0.5	1	1.5	2	3	4
M1	85	85	77	74	84	94	114	113	123
M3	92	80	79	76	90	105	112	111	126
M4	85	74	76	75	72	90	100	116	122
M6	92	90	81	82	88	103	111	115	131
M8	93	73	77	77	95	104	112	129	130
M9	85	85	85	82	84	114	125	133	131
M10	92	86	88	85	87	100	108	119	129
M11	92	85	89	86	85	104	116	115	120
M12	88	82	85	89	87	111	115	118	128
M13	92	87	83	81	85	107	111	119	128
M14	90	76	78	80	73	n.m.	102	110	122
M16	93	89	89	85	91	112	116	119	129