

Supplementary Appendix : Summary statistics of parasite species found in Moorea

• Snappers (Lutjanidae)

Parasite species	<i>Lutjanus fulvus</i> Moorea (2006-2007) N=193			<i>Lutjanus kasmira</i> Moorea (2006-2007) N=145		
	Prevalence (%)	Intensity (mean ± SD)	Minimum Maximum	Prevalence (%)	Intensity (mean ± SD)	Minimum Maximum
Cestodes						
Tetraphyllidea	7	6.2 ± 3.5	3-12	10	14.5 ± 12.9	1-50
Trypanorhyncha sp.1	3	9.0 ± 12.2	1-23	1	1.0 ± 0.0	1-1
Copepods						
<i>Caligus</i> sp.1	32	1.3 ± 0.7	1-4	62	12.1 ± 4.2	1-16
<i>Caligus</i> sp.2	1	1.0 ± 0.0	1-1	nd	nd	nd
<i>Hatschekia</i> sp.1	14	1.5 ± 0.8	1-4	50	7.5 ± 2.6	1-12
Digenea						
Bivesiculidae	3	1.7 ± 0.8	1-3	nd	nd	nd
<i>Hamacreadium mutabile</i>	16	1.6 ± 0.9	1-4	5	2.0 ± 0.8	1-3
Isopods						
<i>Gnathia</i> spp.	1	2.6 ± 0.5	2-3	3	1.0 ± 0.0	1-1
Monogeneans						
<i>Benedenia lutjani</i>	2	1.0 ± 0.0	1-1	2	1.0 ± 0.0	1-1
<i>Diplectanum fusiformis</i>	9	1.2 ± 0.4	1-2	46	2.4 ± 1.8	1-8
<i>Euryhaliotrema chrysotaeniae</i>	30	3.6 ± 3.2	1-13	40	2.3 ± 1.6	1-8
<i>Euryhaliotrema spirotubiformum</i>	35	5.3 ± 5.4	1-23	12	1.3 ± 0.6	1-3
<i>Haliotrema patellacirrus</i>	37	3.5 ± 3.2	1-15	39	2.7 ± 2.5	1-12
<i>Haliotrema longitubocirrus</i>	13	2.0 ± 1.3	1-4	16	1.5 ± 0.8	1-4
<i>Haliotrema</i> conf. <i>anguiformis</i>	22	2.5 ± 2.0	1-8	2	1.5 ± 0.7	1-2
<i>Lutianicola</i> sp.	nd	nd	nd	1	1.0 ± 0.0	1-1
<i>Polylabris</i> sp.	1	1.0 ± 0.0	1-1	5	1.8 ± 0.9	1-4
Nematodes						
Anisakidae	2	1.0 ± 0.0	1-1	5	1.5 ± 0.75	1-3
<i>Spirocamallanus istiblenni</i>	2	4.5 ± 2.7	1-5	29	1.7 ± 0.9	1-8

• Groupers (Serranidae)

Parasite species	<i>Cephalopholis argus</i> Moorea (2005-2006-2007) N=195			<i>Cephalopholis urodeta</i> Moorea (2006-2007) N=249			<i>Epinephelus fasciatus</i> Moorea (2006-2007) N=213			<i>Epinephelus hexagonatus</i> Moorea (2006-2007) N=122		
	Prevalence (%)	Intensity (mean ± SD)	Minimum Maximum	Prevalence (%)	Intensity (mean ± SD)	Minimum Maximum	Prevalence (%)	Intensity (mean ± SD)	Minimum Maximum	Prevalence (%)	Intensity (mean ± SD)	Minimum Maximum
Cestodes												
Tetraphyllidea	46	14.4 ± 13.8	1-54	7	1.5 ± 0.7	1-2	100	291 ± 290	3-1347	76	5.8 ± 6.2	1-28
Trypanorhyncha sp.1	3	1.0 ± 0.0	1-1	2	1.2 ± 0.4	1-2	43	5.3 ± 0 4.1	1-18	1	3.0 ± 0.0	3-3
Trypanorhyncha sp.2	nd	nd	nd	nd	nd	nd	12	3.1 ± 1.8	1-4	1	1.0 ± 0.0	1-1
Trypanorhyncha sp.3	nd	nd	nd	nd	nd	nd	7	2.1 ± 2.0	1-5	nd	nd	nd
Copepods												
<i>Caligus</i> sp.3	68	7.2 ± 5.4	1-19	90	27.3 ± 38.2	1-176	48	3.7 ± 5.1	1-16	73	9.4 ± 17.3	1-103
<i>Lepeophtheirus</i> sp.1							1	1.0 ± 0.0	1-1	nd	nd	nd
<i>Hatschekia</i> sp.2	7	2.2 ± 0.8	2-4	1	4.5 ± 4.9	1-8	46	3.0 ± 2.8	1-12	nd	nd	nd
Digenes												
<i>Bivesicula</i> conf. <i>claviformis</i>	nd	nd	nd	nd	nd	nd	11	2.9 ± 3.2	1-8	2	1.0 ± 0.0	1-1
Opecoelidae sp.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	1	1.0 ± 0.0	1-1
Isopods												
<i>Alcirona</i> sp.	2	1.0 ± 0.0	1-1	nd	nd	nd	nd	nd	nd	nd	nd	nd
<i>Gnathia</i> spp.	38	3.9 ± 3.1	2-18	8	1.3 ± 0.7	1-2	13	1.4 ± 0.9	1-3	24	3.2 ± 2.7	1-9
Leaches												
Piscicolidae	4	1.2 ± 0.5	1-2	nd	nd	nd	nd	nd	nd	nd	nd	nd
Monogeneans												
<i>Benedenia epinepheli</i>	41	4.4 ± 5.5	1-32	18	4.1 ± 3.5	1-10	74	4.9 ± 4.3	1-17	6	1.2 ± 0.9	1-2
<i>Pseudorhabdosynochus youngi</i>	nd	nd	nd	nd	nd	nd	72	12.2 ± 10.7	1-41	nd	nd	nd
Nematodes												
Anisakidae spp.	2	2.0 ± 1.5	1-4	3	1.6 ± 0.8	1-3	1	1.0 ± 0.0	1-1	4	1.0 ± 0.0	1-1
<i>Spirocamallanus istiblenni</i>	2	1.5 ± 0.7	1-2	nd	nd	nd	nd	nd	nd	nd	nd	nd

(nd: not detected, no parasites found)