

ELECTRONIC APPENDIX

This is the Electronic Appendix to the article

Parasites in sexual and asexual mollies (*Poecilia*, Poeciliidae, Teleostei): A case for the Red Queen?

By

Michael Tobler & Ingo Schlupp

Biol. Lett. (doi:10.1098/rsbl.2005.0305)

Electronic appendices are refereed with the text; however, no attempt is made to impose a uniform editorial style on the electronic appendices.

Table 3: Prevalence and mean intensity with standard deviation of parasites in four populations of molly females of the sexual *P. latipinna* and the asexual *P. formosa* in Central and South Texas (USA). Prevalences were compared using Fisher's Exact Test, mean intensities with Mann-Whitney *U*-Tests.

Population	Parasite	Species	Prevalence	<i>P</i>	Mean intensity	<i>Z, P</i>
County Road 101	<i>Ambiphyra</i> sp.	<i>P. latipinna</i>	0/14	0.126	0	-
		<i>P. formosa</i>	4/20		3.500 ± 1.291	
	<i>Oodinium</i> sp.	<i>P. latipinna</i>	1/14	0.627	1.000	-1.342, 0.180
		<i>P. formosa</i>	3/20		5.000 ± 2.646	
	<i>Trichodina</i> sp.	<i>P. latipinna</i>	4/14	0.171	3.000 ± 2.828	-1.656, 0.098
		<i>P. formosa</i>	11/20		10.82 ± 9.857	
	<i>Dactylogyrus</i> sp.	<i>P. latipinna</i>	1/14	0.050	1.000	-1.011, 0.312
		<i>P. formosa</i>	8/20		4.250 ± 3.536	
	<i>Posthodiplostomum minimum</i>	<i>P. latipinna</i>	0/14	1.000	0	-
		<i>P. formosa</i>	1/20		3.000	
	Unidentified trematod cyst	<i>P. latipinna</i>	2/14	1.000	1.500 ± 0.707	-1.000, 0.317
		<i>P. formosa</i>	2/20		1.000 ± 0.000	
	<i>Uvulifer ambloplitis</i>	<i>P. latipinna</i>	2/14	0.555	1.450 ± 0.688	-0.707, 0.480
		<i>P. formosa</i>	1/20		1.000	
Martindale	<i>Ambiphyra</i> sp.	<i>P. latipinna</i>	3/22	0.755	2.330 ± 1.528	-0.886, 0.376
		<i>P. formosa</i>	12/72		4.080 ± 2.900	

	<i>Oodinium</i> sp.	<i>P. latipinna</i>	2/22	1.000	2.500 ± 0.707	-0.150, 0.881
		<i>P. formosa</i>	2/72		3.140 ± 2.193	
	<i>Trichodina</i> sp.	<i>P. latipinna</i>	6/22	0.144	2.330 ± 2.805	-2.374, 0.018
		<i>P. formosa</i>	33/72		6.700 ± 5.747	
	<i>Dactylogyrus</i> sp.	<i>P. latipinna</i>	0/22	0.588	0	-
		<i>P. formosa</i>	5/72		4.200 ± 2.168	
	<i>Echinochasmus donaldsoni</i>	<i>P. latipinna</i>	1/22	0.234	12.000	-
		<i>P. formosa</i>	0/72		0	
	<i>Posthodiplostomum minimum</i>	<i>P. latipinna</i>	0/22	0.588	0	-
		<i>P. formosa</i>	5/72		3.200 ± 2.775	
	Unidentified trematod cyst	<i>P. latipinna</i>	3/22	1.000	10.33 ± 12.74	-0.236, 0.814
		<i>P. formosa</i>	11/72		8.270 ± 6.326	
	<i>Uvulifer ambloplitis</i>	<i>P. latipinna</i>	5/22	0.765	1.600 ± 0.894	-0.105, 0.916
		<i>P. formosa</i>	14/72		1.500 ± 0.650	
Lincoln Park	<i>Ambiphyra</i> sp.	<i>P. latipinna</i>	2/4	1.000	5.000 ± 4.243	-0.886, 0.376
		<i>P. formosa</i>	2/4		2.000 ± 0.000	
	<i>Oodinium</i> sp.	<i>P. latipinna</i>	0/4	-	0	-
		<i>P. formosa</i>	0/4		0	
	<i>Trichodina</i> sp.	<i>P. latipinna</i>	4/4	0.429	3.750 ± 3.500	-2.000, 0.046
		<i>P. formosa</i>	2/4		1.000 ± 0.000	
	<i>Dactylogyrus</i> sp.	<i>P. latipinna</i>	0/4	-	0	-

		<i>P. formosa</i>	0/4		0	
	<i>Echinochasmus donaldsoni</i>	<i>P. latipinna</i>	4/4	1.000	5.500 ± 1.291	0.000, 1.000
		<i>P. formosa</i>	3/4		8.330 ± 6.658	
	<i>Posthodiplostomum minimum</i>	<i>P. latipinna</i>	2/4	0.429	2.000 ± 0.000	-
		<i>P. formosa</i>	0/4		0	
	Unidentified trematod cyst	<i>P. latipinna</i>	2/4	1.000	4.000 ± 1.414	-0.889, 0.374
		<i>P. formosa</i>	3/4		3.000 ± 1.000	
	<i>Uvulifer ambloplitis</i>	<i>P. latipinna</i>	1/4	0.486	1.000	-0.577, 0.564
		<i>P. formosa</i>	3/4		1.670 ± 1.155	
Weslaco	<i>Ambiphyra</i> sp.	<i>P. latipinna</i>	7/11	0.049	7.000 ± 8.083	-1.857, 0.063
		<i>P. formosa</i>	3/14		2.000 ± 1.000	
	<i>Oodinium</i> sp.	<i>P. latipinna</i>	0/11	-	0	-
		<i>P. formosa</i>	0/14		0	
	<i>Trichodina</i> sp.	<i>P. latipinna</i>	5/11	1.000	3.200 ± 2.280	-0.946, 0.344
		<i>P. formosa</i>	6/14		2.330 ± 1.966	
	<i>Dactylogyrus</i> sp.	<i>P. latipinna</i>	1/11	0.341	9.000	-1.451, 0.147
		<i>P. formosa</i>	4/14		2.750 ± 2.872	
	<i>Posthodiplostomum minimum</i>	<i>P. latipinna</i>	1/11	1.000	4.000	-1.000, 0.317
		<i>P. formosa</i>	1/14		1.000	
	Unidentified trematod cyst	<i>P. latipinna</i>	1/11	0.440	4.000	-
		<i>P. formosa</i>	0/14		0	

<i>Uvulifer ambloplitis</i>	<i>P. latipinna</i>	3/11	0.047	1.330 ± 0.577	-1.807, 0.071
	<i>P. formosa</i>	10/14		4.900 ± 3.929	
