

Skelton, J., Creed, R.P. and Brown, B. L. 2014. Ontogenetic shift in host tolerance controls initiation of a cleaning symbiosis. – Oikos doi: 10.1111/j.1600-0706.2013.00963.x

Appendix 1

Table A1. Results of two by two factorial ANOVA's testing for effects of crayfish dactyl ablation and initial cleaner density at each sampling day on the proportion of *Xironodrilus appalachius* remaining on crayfish during three experiments using small, medium and large crayfish. Bold font indicates significant p-values ($\alpha = 0.05$).

Size-class	Day	Source	DF	MS	<i>F</i>	p
Small	1	Ablation	1	0.0680	0.261	0.615
		Density	1	0.0005	0.002	0.967
		Interaction	1	1.4948	5.746	0.026
		Residuals	20	0.2602		
	3	Ablation	1	0.5040	1.982	0.175
		Density	1	0.0496	0.195	0.664
		Interaction	1	1.0621	4.176	0.054
		Residuals	20	0.2543		
	7	Ablation	1	1.2624	6.527	0.019
		Density	1	0.2326	1.202	0.286
		Interaction	1	0.6447	3.333	0.083
		Residuals	20	0.1934		
	21	Ablation	1	1.8942	7.294	0.014

Density	1	0.0088	0.034	0.856
Interaction	1	0.1717	0.661	0.426
Residuals	20	0.2597		

Size-class	Day	Source	DF	MS	<i>F</i>	p
Medium	1	Ablation	1	0.2255	3.485	0.077
		Density	1	0.0300	0.464	0.504
		Interaction	1	0.0110	0.170	0.684
		Residuals	20	0.0647		
	3	Ablation	1	0.4871	3.386	0.081
		Density	1	0.0136	0.094	0.762
		Interaction	1	0.0014	0.010	0.923
		Residuals	20	0.1438		
	7	Ablation	1	0.5022	5.501	0.029
		Density	1	0.0004	0.0004	0.949
		Interaction	1	0.0131	0.144	0.709
		Residuals	20	0.0913		
	21	Ablation	1	0.7330	6.892	0.016
		Density	1	0.0224	0.211	0.651
		Interaction	1	0.0049	0.046	0.832
		Residuals	20	0.1064		

Size-class	Day	Source	DF	MS	<i>F</i>	p
Large	1	Ablation	1	0.0686	1.593	0.231
		Density	1	0.0013	0.030	0.866
		Interaction	1	0.0033	0.077	0.787
		Residuals	12	0.0430		
	3	Ablation	1	0.0001	0.008	0.932
		Density	1	0.0025	0.145	0.710
		Interaction	1	0.0037	0.220	0.647
		Residuals	12	0.0170		
	8	Ablation	1	0.0147	0.370	0.554
		Density	1	0.0002	0.001	0.982
		Interaction	1	0.0044	0.111	0.744
		Residuals	12	0.0397		
	18	Ablation	1	0.2865	6.22	0.028
		Density	1	0.0267	0.581	0.461
		Interaction	1	0.0496	1.077	0.320
		Residuals	12	0.0460		

Figure A1. Changes in the abundance of two branchiobdellidan species in Walldrop Stone creek with host age. Absolute abundance of *X. appalachius* and *C. philadelphicus* as a function of crayfish mass (left panel). Both branchiobdellidan species showed similar significant increases in abundance with host mass. The relative abundance of each species did not change with host mass (right panel).

