

**Table S1.** Linear Mixed Models examining the effect of the number of larvae (#Larvae) and container size (ContS) on life history variables. We report the interaction terms of the initial models that include all data, and sex as a predictor variable. We then report the results of models run separately for males and females. The number of larvae by container size interaction term is given, and subsequent model parameters are for a reduced model that excludes the interaction term, if it was non-significant ( $p > 0.05$ ).

	Estimate	Std. Error	DF	t-value	Pr(> t )
<b>Pupal Weight</b>					
#Larvae*ContS*Sex	0.007	0.0028	729.4	2.513	<b>0.012</b>
#Larvae*Sex	0.004	0.0021	731.6	1.916	0.056
ContS*Sex	-0.0027	0.0021	733.3	1.317	0.188
<i>Males only</i>					
#Larvae*ContS	0.0011	0.0019	31.85	0.568	0.574
#Larvae	-0.0024	0.00093	32.72	2.597	<b>0.014</b>
ContS	0.0029	0.0009	33.88	3.052	<b>0.004</b>
<i>Females only</i>					
#Larvae*ContS	-0.0054	0.0035	29.88	1.551	0.131
#Larvae	-0.011	0.0018	31.82	6.017	< 0.001
ContS	0.0022	0.0018	31.77	1.216	0.233
<b>Developmental Time</b>					
#Larvae*ContS*Sex	0.648	0.888	723.9	0.73	0.466
#Larvae*Sex	-1.562	0.447	724.3	3.493	< 0.001
ContS*Sex	-0.262	0.44	724.0	0.597	0.551
<i>Males only</i>					
#Larvae*ContS	2.891	1.285	36.0	2.249	<b>0.031</b>
#Larvae	1.852	0.963	38.5	1.923	0.062
ContS	3.927	0.869	39.8	4.519	< 0.001
Pupal weight	169.434	29.434	364.6	5.756	< 0.001
<i>Females only</i>					
#Larvae*ContS	2.469	1.079	35.7	2.289	<b>0.028</b>
#Larvae	3.311	0.812	36.7	4.078	< 0.001
ContS	4.551	0.747	41.9	6.096	< 0.001
Pupal weight	102.449	12.602	364.6	8.129	<b>0.028</b>
<b>Wing Length</b>					
#Larvae*ContS*Sex	0.24	0.158	718.8	1.519	0.129
#Larvae*Sex	-0.202	0.079	721.1	2.546	<b>0.011</b>
ContS*Sex	-0.129	0.078	719.7	1.648	0.100
<i>Males only</i>					
#Larvae*ContS	-0.18	0.115	39.5	1.568	0.125
#Larvae	-0.212	0.058	40.8	3.641	< 0.001
ContS	-0.25	0.059	43.3	4.233	< 0.001
Pupal weight	66.84	4.068	360.5	16.431	< 0.001
<i>Females only</i>					
#Larvae*ContS	-0.403	0.136	28.1	2.97	<b>0.006</b>
#Larvae	0.141	0.102	26.8	1.387	0.177
ContS	0.155	0.0998	44.6	1.55	0.128
Pupal weight	47.712	2.533	346.1	18.834	< 0.001
<b>Antennal Length</b>					
#Larvae*ContS*Sex	0.313	0.143	699.5	2.183	<b>0.029</b>
#Larvae*Sex	-0.313	0.108	701.3	2.891	<b>0.004</b>
ContS*Sex	-0.326	0.106	702.7	3.082	<b>0.002</b>
<i>Males only</i>					
#Larvae*ContS	0.026	0.085	36.8	0.305	0.762
#Larvae	-0.128	0.042	39.4	3.019	<b>0.004</b>
ContS	-0.206	0.043	41.9	4.791	< 0.001
Pupal weight	36.582	2.952	359.7	12.394	< 0.001
<i>Females only</i>					
#Larvae*ContS	-0.294	0.138	42.1	2.131	<b>0.039</b>
#Larvae	0.116	0.105	42.6	1.108	0.274
ContS	0.154	0.103	68.3	1.492	0.14
Pupal weight	22.015	2.607	325.3	2.131	<b>0.039</b>
<b>Testes Area</b>					
#Larvae*ContS	-0.884	1.084	35.3	0.815	0.42
#Larvae	1.228	0.539	36.9	2.28	<b>0.029</b>
ContS	-0.734	0.549	39.9	1.337	0.189
Pupal weight	-1.459	37.36	354.8	0.039	0.969