

Table S1.

Summary of Adult physical traits from butterflies reared on eight milkweed species and wild-caught migrant adults. Entries in the same column that do not share a letter are significantly different from each other. Data is displayed as the mean $\pm$ standard error.

*N represents the number of monarchs that survived to the adult stage. For FWL, Percent Survival, and Lipid Content, we did not find any significant differences; these columns are not designated with letter markers within columns.

Milkweed Species	N*	Age (day)	Preflight Adult Mass (g)	FWL (mm)	HWL (mm)	Percent Survival to Adult	Dried Abdominal Mass (g)	Lipid Content (mg)	Lipid Content (% abdominal mass)	Thoracic Mass	Flight Muscle Ratio	Wing Cardenolide Content (mg/g)
<i>A. curassavica</i>	22	8-10	0.572 $\pm$ 0.02 ^A	47.74 $\pm$ 0.67	32.67 $\pm$ 0.71 ^A	73.3	0.05 $\pm$ 0.003	12.3 $\pm$ 2.3	22.6	0.169 $\pm$ 0.007	0.354 $\pm$ 0.019 ^A	62.57 $\pm$ 2.02 ^A
<i>A. exaltata</i>	8	8-10	0.526 $\pm$ 0.08 ^{AB}	47.40 $\pm$ 1.02	31.25 $\pm$ 0.56 ^{AB}	40	0.04 $\pm$ 0.004	10.3 $\pm$ 3.4	23.4	0.142 $\pm$ 0.009	0.262 $\pm$ 0.022 ^{AB}	22.0 $\pm$ 511 ^{BC}
<i>A. incarnata</i>	16	8-10	0.498 $\pm$ 0.02 ^{AB}	44.96 $\pm$ 0.91	30.04 $\pm$ 0.48 ^B	50	0.04 $\pm$ 0.004	12.0 $\pm$ 2.7	24.1	0.150 $\pm$ 0.009	0.298 $\pm$ 0.035 ^{AB}	28.58 $\pm$ 5.28 ^B
<i>A. speciosa</i>	17	8-10	0.506 $\pm$ 0.02 ^{AB}	44.66 $\pm$ 0.85	30.18 $\pm$ 0.82 ^B	60	0.05 $\pm$ 0.004	17.1 $\pm$ 2.4	32.1	0.159 $\pm$ 0.006	0.349 $\pm$ 0.028 ^A	37.67 $\pm$ 5.70 ^B
<i>A. sullivantii</i>	21	8-10	0.520 $\pm$ 0.04 ^{AB}	45.43 $\pm$ 0.95	30.37 $\pm$ 0.79 ^B	70	0.03 $\pm$ 0.003	7.6 $\pm$ 1.4	19.7	0.124 $\pm$ 0.009	0.230 $\pm$ 0.019 ^B	45.85 $\pm$ 13.5 ^A
<i>A. syriaca</i>	17	8-10	0.526 $\pm$ 0.02 ^{AB}	45.77 $\pm$ 0.812	31.29 $\pm$ 0.61 ^{AB}	63.33	0.04 $\pm$ 0.003	10.1 $\pm$ 2.2	26.7	0.143 $\pm$ 0.009	0.261 $\pm$ 0.018 ^A	38.0 $\pm$ 4.56 ^B
<i>A. tuberosa</i>	11	8-10	0.578 $\pm$ 0.06 ^A	46.35 $\pm$ 0.95	30.57 $\pm$ 0.61 ^{AB}	36.67	0.04 $\pm$ 0.006	7.44 $\pm$ 2.3	19.7	0.144 $\pm$ 0.015	0.268 $\pm$ 0.029 ^{AB}	0 ^C
<i>A. verticillata</i>	17	8-10	0.475 $\pm$ 0.02 ^B	44.81 $\pm$ 0.70	29.42 $\pm$ 0.63 ^B	56.67	0.04 $\pm$ 0.003	10.3 $\pm$ 2.1	26.5	0.123 $\pm$ 0.011	0.238 $\pm$ 0.023 ^{AB}	0 ^C