

## SUPPLEMENTAL TABLES AND FIGURES

**Table S1:** Diet Recipe. Ingredient amounts are for each diet and are listed used in order of addition. All ingredients were mixed with a Waring industrial blender. Xanthotoxin was added for experimental diets but not colony rearing.

| <b><u>Ingredient</u></b>     | <b><u>Amount</u></b>   | <b><u>Source</u></b>        |
|------------------------------|------------------------|-----------------------------|
| Soy Flour                    | 12.5 g                 | Bio-Serv                    |
| Wheatgerm                    | 37.5 g                 | Bio-Serv                    |
| Casein                       | 25 g                   | Bio-Serv                    |
| Torula Yeast                 | 31.25 g                | Bio-Serv                    |
| Alfalfa meal                 | 25 g                   | Bio-Serv                    |
| Ascorbic Acid                | 3 g                    | Bio-Serv                    |
| Sorbic Acid                  | 1.5 g                  | Bio-Serv                    |
| Methyl Paraben               | 2.5 g                  | Sigma-Aldrich               |
| Tetracycline                 | 62.5 mg                | Sigma-Aldrich               |
| Xanthotoxin                  | 0, 0.5, 1, 1.5, or 2 g | Sigma-Aldrich               |
| Pinto Beans + Water (cooked) | 62.5 g + 250 mL        |                             |
| 7.4% Formalin                | 10 mL                  | Mollinckrodt (Formaldehyde) |
| Raw Linseed Oil              | 6.75 mL                | Sonyside                    |
| Agar (heated with water)     | 11.25 g + 500 mL       | MoorAgar                    |
| Vitamin Mix                  | 5 g                    | Bio-Serv                    |

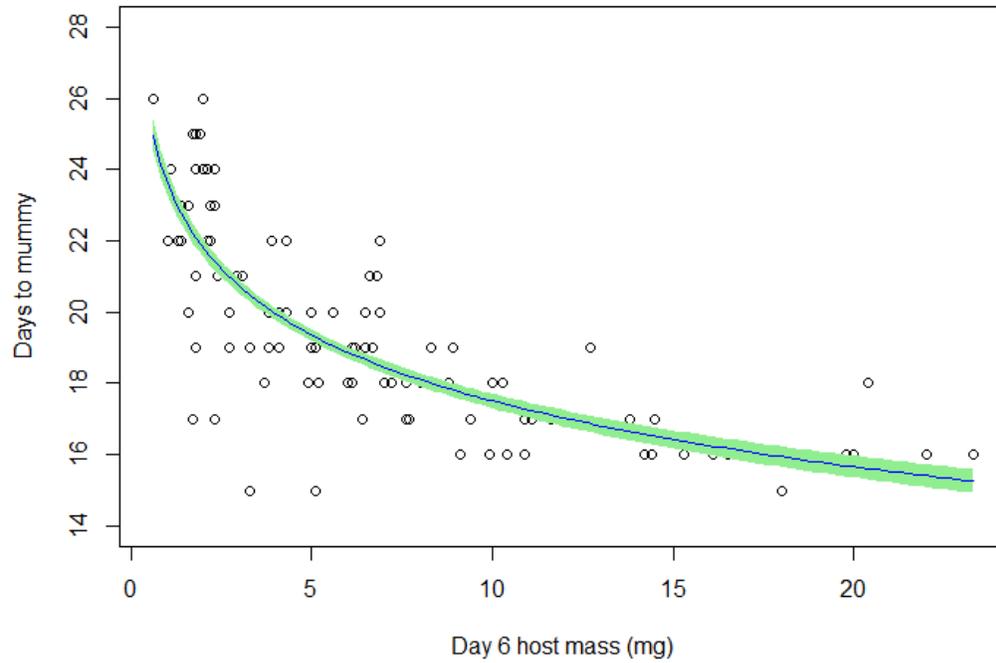


Figure S1. Relationship between host day six mass and parasitoid development time. Fit regression line represents development time as a logarithmic function of caterpillar mass at day six ( $F_{1,38} = 78.26$ ,  $p < 0.0001$ ,  $R^2 = 0.673$ ).