



Figure S1. A schematic of the experimental set-up. Blue chambers are those maintained at ambient CO₂ (400 ppm) and orange chambers are those maintained at elevated CO₂ (760 ppm). The plants and monarchs within the box illustrate the treatment groups represented in each chamber. Plants of different colors represent the different species of milkweed: orange= *A. curassavica*, green = *A. incarnata*, yellow= *A. speciosa* and blue= *A. syriaca*. Up to three plants of each species were grown and fed to individual larvae. Caterpillars with *Ophryocystis elektroscirrha* spores depict inoculated individuals and caterpillars without spores represent the control larvae. Only one larva from each treatment group (4 milkweed species x 2 levels of parasite infection = 8 treatments) was reared on plants from each chamber.