



Supplementary Material 4. Boxplots showing distribution of bacterial loads (log[colony forming units per fly]) measured in virgin adult female *D. melanogaster* from four different mating treatments. In the control group (“0-0” treatment), females were kept in isolation for the entire experimental 2-day period. In two treatments, females were mated once, either on the 1st or the 2nd day of the experimental period (treatments “1-0” and “0-1”, respectively). In the final treatment, females were mated on each of the two days of the experimental period. The bacterial loads of these groups did not differ from each other ($F_{3,45} = 0.07$, $p = 0.98$). The box encloses values between the first and third quartiles of the data (the inter-quartile range, IQR), while the horizontal bar within the box indicates the median. Whiskers extend from the box to largest/smallest values that are within 1.5 x the IQR of the box. Values outside that range are outliers and are indicated by circles.