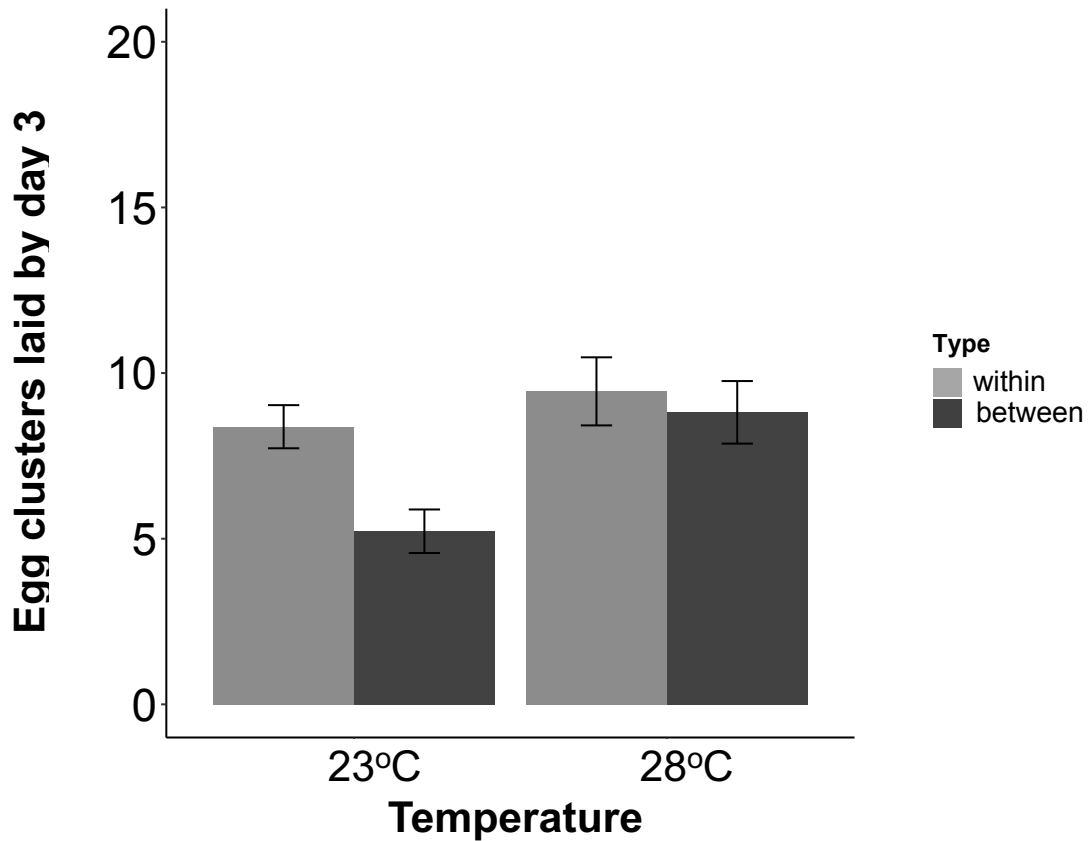


**Appendix Figure 1.** Proportion of pairs producing eggs by male line, female line, and temperature. Male line listed above, female line and temperature listed below. DV females were less likely to produce eggs than BV females at high temperature. Bars represent standard error of the proportion. Light gray = within-line pairs, dark gray between lines = between-line pairs, 28°C pairs shaded in red. No interactions between female line and temperature were significant. G = GE/Geneva D = DV/Dover; H = HR/Hurley, B = BV/Bouckville.



**Appendix Figure 2.** Mean eggs clusters laid by day 3 in within and between pairs raised at constant 23°C. Light gray= within-line pairs, dark grey = between-line pairs. Ambient within low =42, between N = 31; elevated within N =29, elevated between N = 27.