



**Fig. S3. Fecundity one DPC.** Fecundity on the y-axis was measured as the number of adult offspring produced. The x-axis shows fly genotypes and the primary exposure treatments, where R: Ringer's, L: *L. lactis* and P: *P. entomophila*. Seven days after primary exposure flies were challenged with either (A) *L. lactis*, (B) *P. entomophila* or (C) Ringer's. Each dot is the number of adult offspring produced by one fly in the 24 hours after challenge. The coloured lines show median fecundity. For statistics see Table S3.