



Fig. S1. Survival one DPC. The proportion of flies alive one day post challenge is shown on the y-axis and primary exposure–challenge treatment combinations are shown on the x-axis, where R: Ringer’s, L: *L. lactis* and P: *Pseudomonas entomophila*. The legend indicates the four fly genotypes. **(A)** Females first injected with R, heat-killed L or P and seven days later challenged with R. **(B)** Females first injected with R or L and then challenged with live L. **(C)** Females first injected with R or P and challenged with live P. Lines represent the survival reaction norm of one of the four genotypes in each primary exposure–challenge group, each data point is the mean survival from 6 replicate experiments. Error bars represent one standard error. For statistics see Table S2.