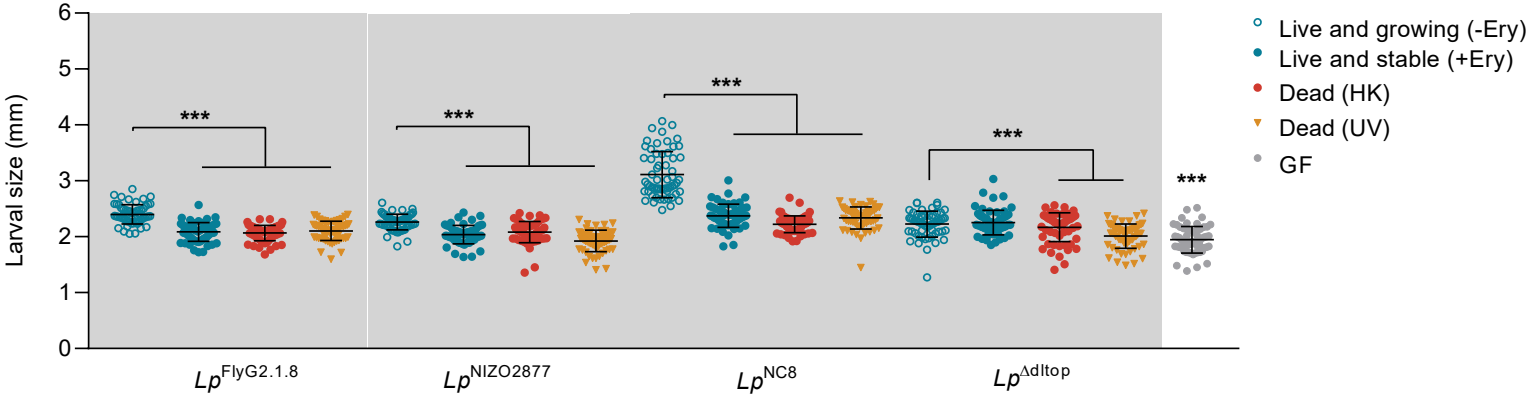


**Supplementary Figure 2.** (A) Larval longitudinal length measured 4 days after inoculation with 1) live bacterial strains on LPD without erythromycin (Live and growing -Ery); 2) live bacterial strains on LPD supplemented with 20µg/ml of erythromycin (Live and stable +Ery); 2) heat-killed bacterial strains on LPD without erythromycin (Dead - HK); 3) UV-treated bacterial strains on LPD without erythromycin (Dead - UV); and 4) PBS on LPD without erythromycin (GF condition). Asterisks illustrate statistically significant difference on pairwise intra-strain comparisons between standard mono-association (Live and growing -Ery) and the respective treatments (including GF) (\*\*\*:  $p < 0,0001$ ). Center values in the graph represent means and error bars represent SD. (B) Larval longitudinal length measured 7 days after inoculation with PBS on LPD with erythromycin (GF + Ery) and without erythromycin (GF -Ery) (ns: not significant). Center values in the graph represent means and error bars represent SD.

**A**



**B**

