**SUPPORTING INFORMATION**

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| Initial Bacterial | Host survival |
| Load (Vib 79) | 0h | 24h | 48h | 72h | 96h | 120h |
| 107 CFU/mL | 1 | 0 | 0 | 0 | 0 | 0 |
| 105 CFU/mL | 1 | 1 | 0 | 0 | 0 | 0 |
| 103 CFU/mL | 1 | 1 | 0.95 | 0.35 | 0.1 | 0.05 |

**Table S1:** Host survival data from [38]. G. mellonella were infected with different bacterial loads of Vib 79: 103 CFU/mL, 105 CFU/mL and 107 CFU/mL. Larvae were then monitored at the end of every 24 h period, up to 120 h, and their survival rates recorded. No antibiotic, or other treatments, were administered during this time.