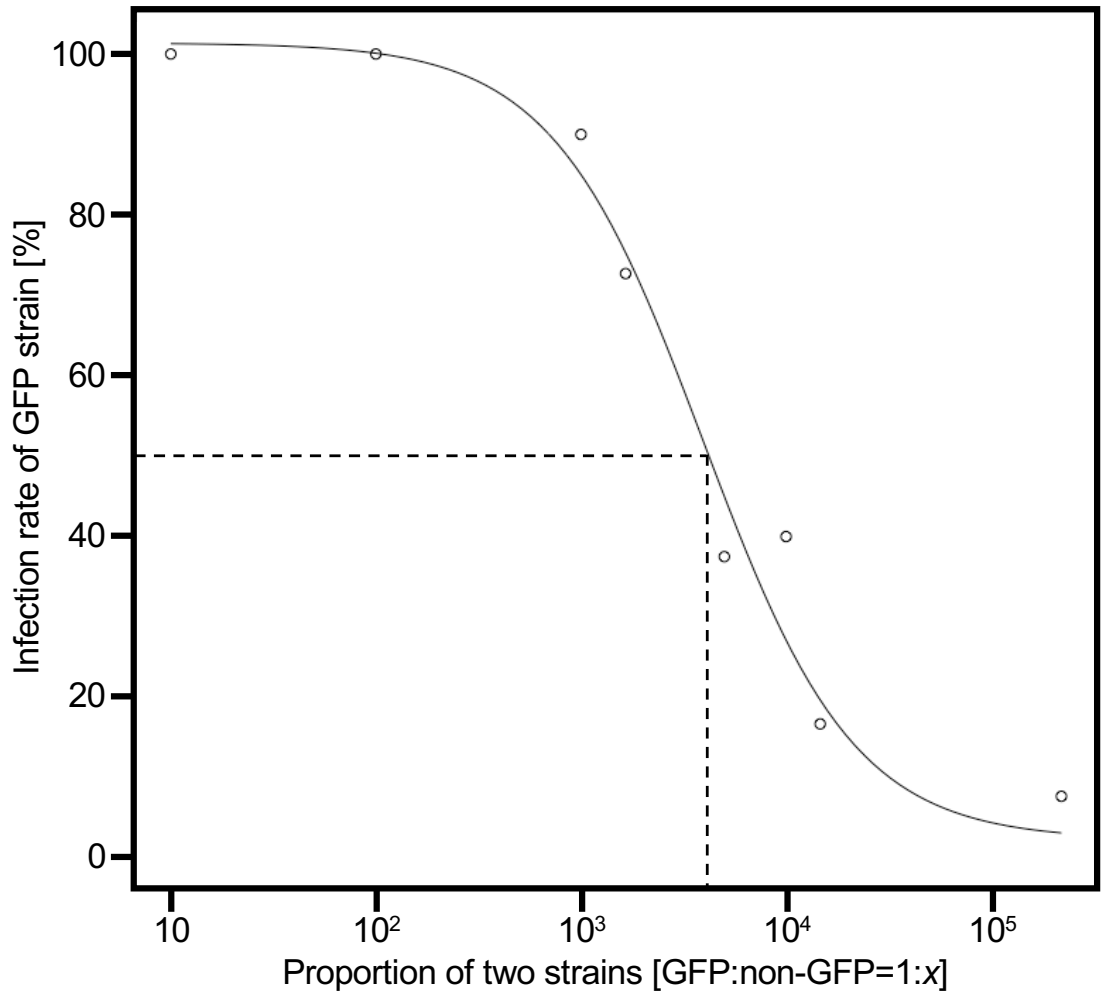

Fig. S7. The constricted region and midgut closure create a bottleneck on the symbiont population. In the oral administration experiments, second-instar nymphs were fed with GFP-labelled and non-labelled symbiont strains, mixed in different ratios (1:10; $1:10^2$; $1:10^3$; $1:1.65x10^3$; $1:5.0x10^3$; $1:10^4$; $1:1.5x10^4$; 1: $4.6x10^4$ and $1:2.2x10^5$), and the percentage of host individuals colonized by the GFP-labelled symbiont was subsequently determined by plating on selective medium. The dilution ratio at which 50% of the bean bugs carry the GFP-labelled symbiont, indicated by the dotted lines, was determined by using the drc package in R software; the equation probit is $(y) = 2.2913+99.08/(1+\exp(1.18*(x-3950))$.