Bottleneck Experiment Paper - Figures

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Make sure all of the data files are in the same directory. Set this as your working directory in the R console. The directory I've put everything in to generate figures should be "OneDrive - University of Exeter/Data/Bottlenecks/paper figures".

In the Rmd document, you will find a chunk that details all of the functions and graphing parameters used. Refer to this for details/edits
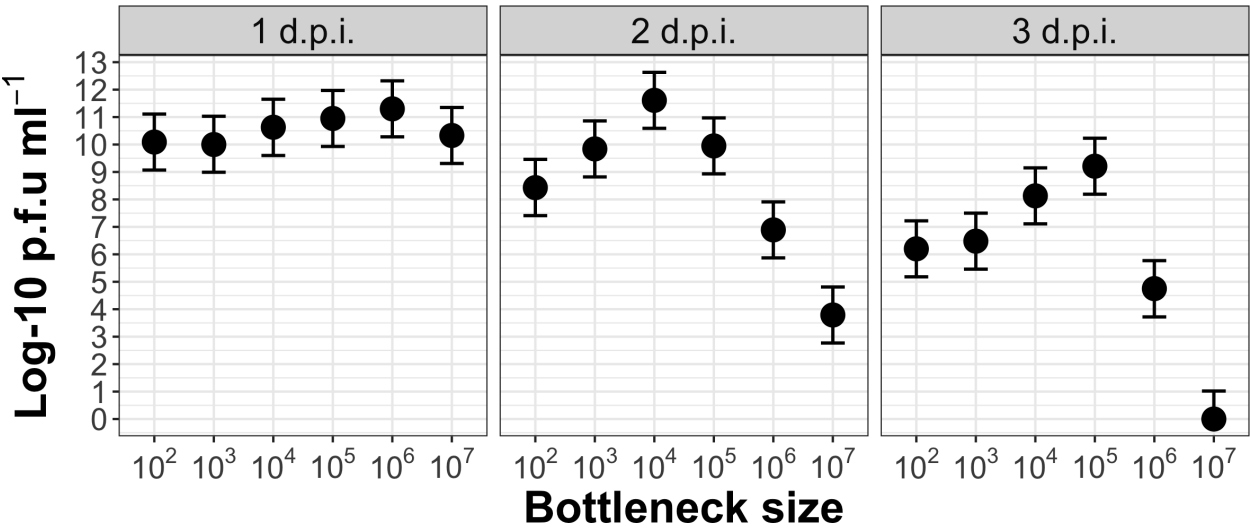
Packages

```r
library(ggplot2)
library(scales)
library(reshape2)
library(ggpubr)
library(cowplot)
library(knitr)
```
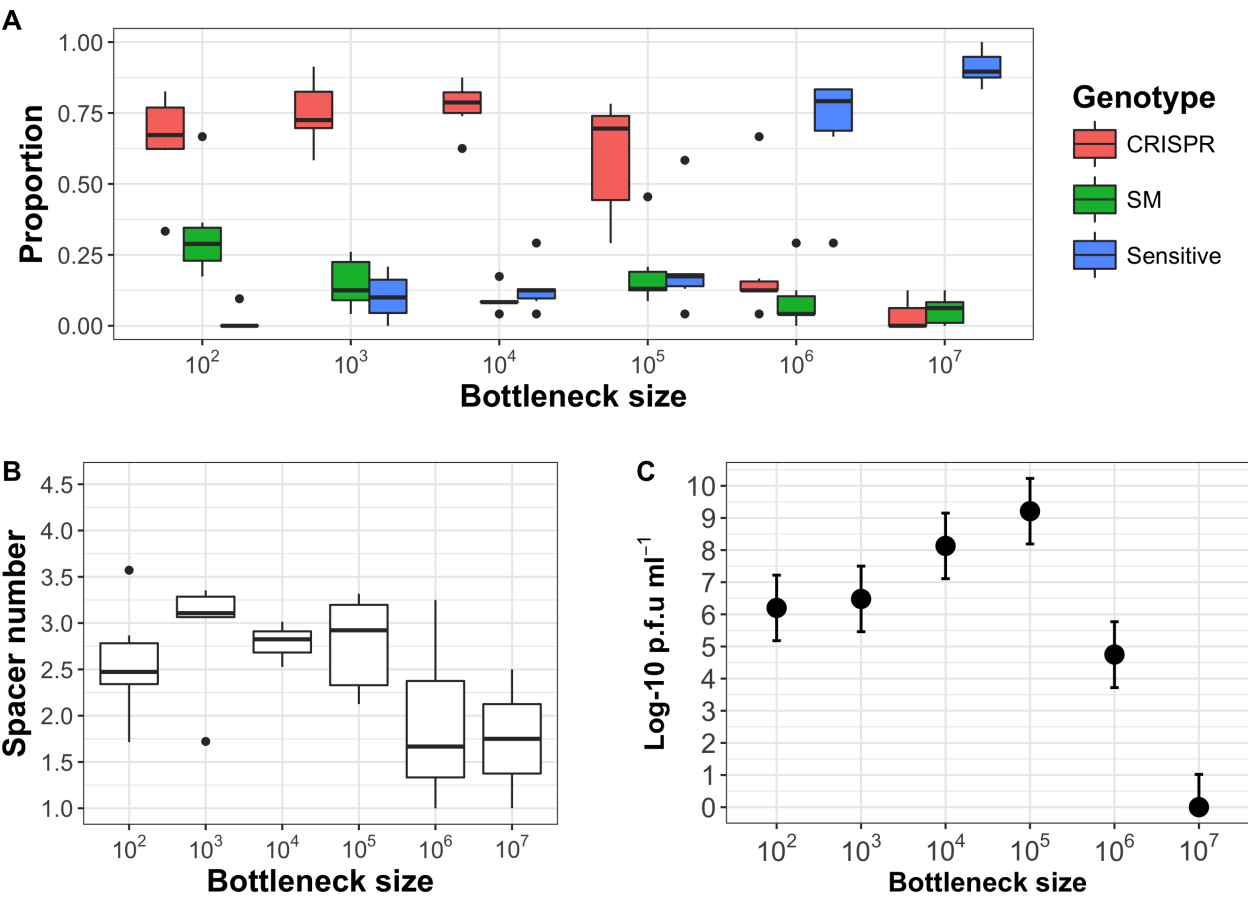
11   Experiment 1: Culture & Phage Bottleneck

12   Figure 2: Mean phage titer in each bottleneck treatment at each sampling point

13   I'm calling this Figure 2 for the time-being, but it may well end up as Figure 1. Change the code accordingly
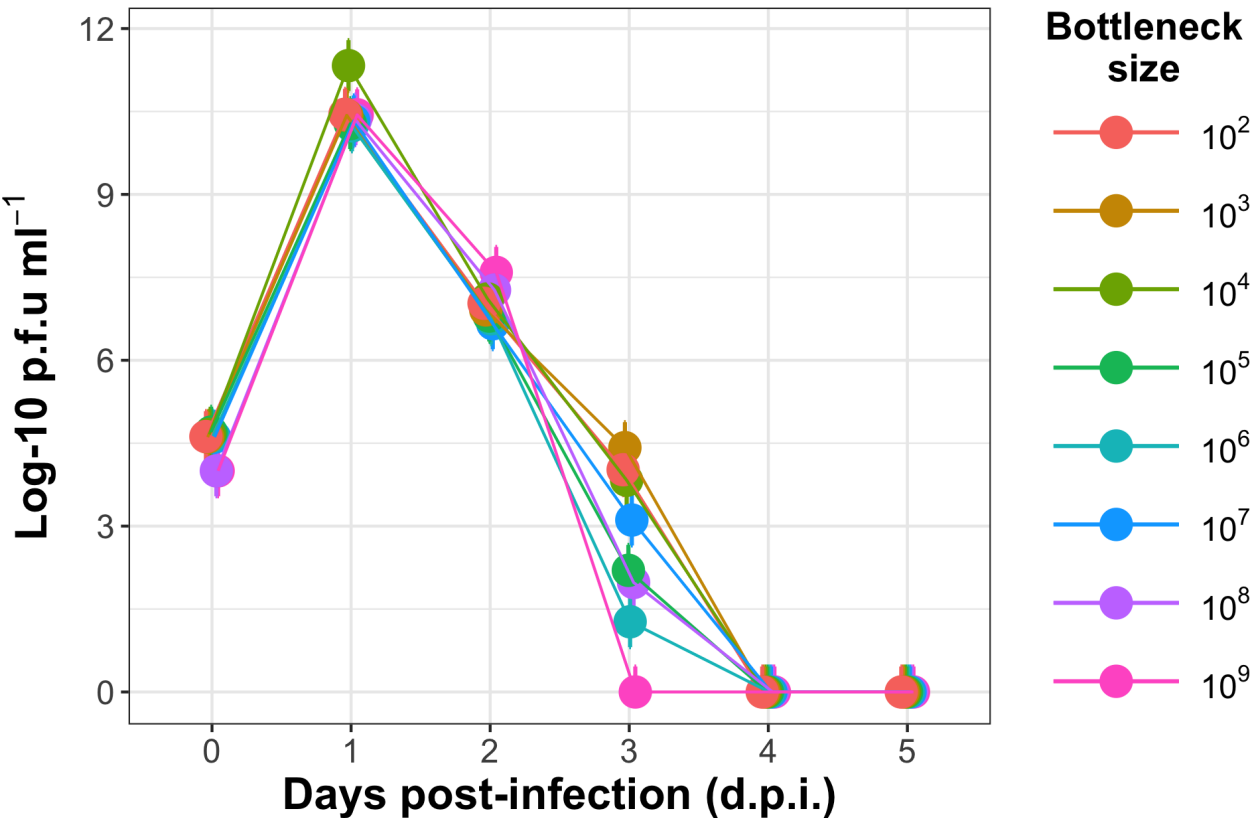
14   if this decision is made!

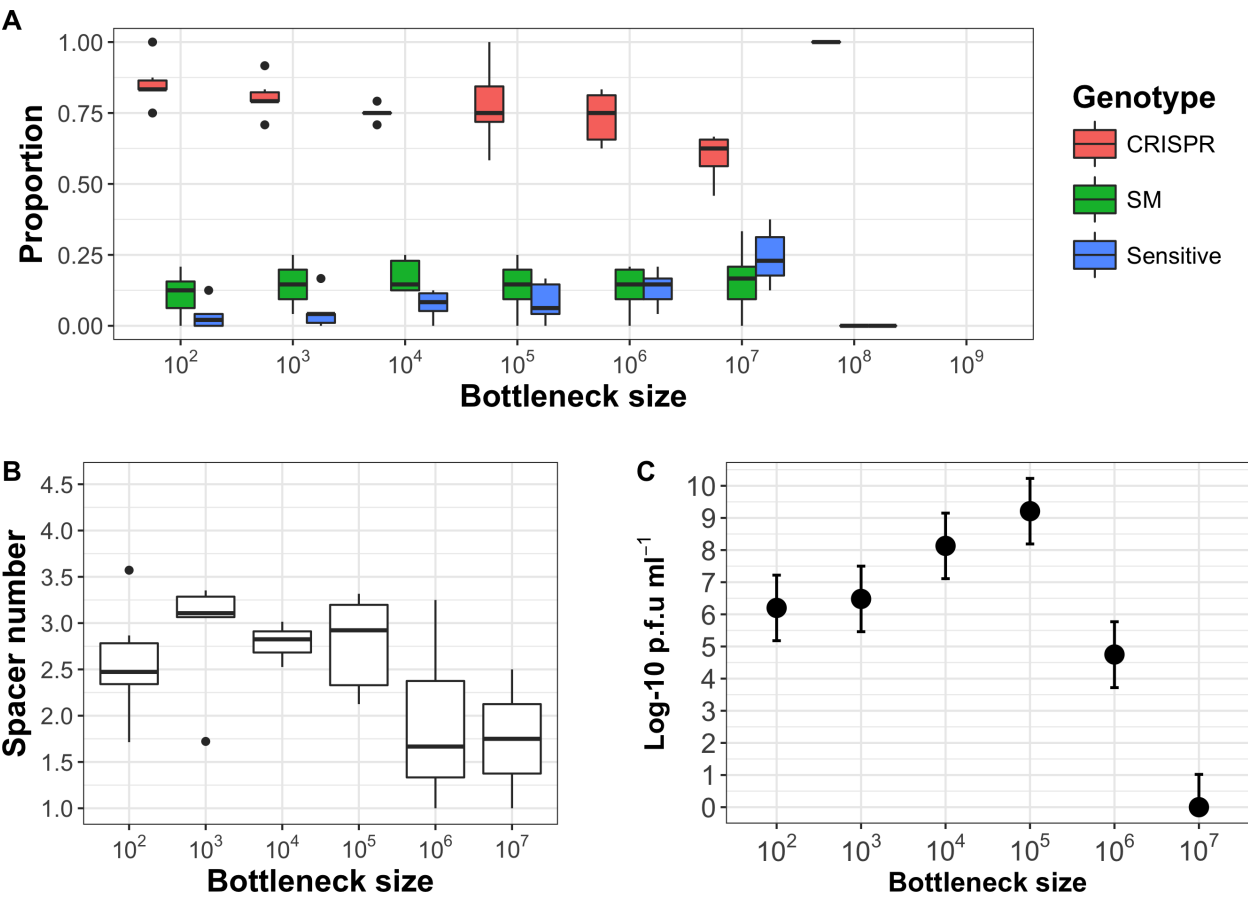15

16

Figure 3: Phenotypes, spacers and phage at t=3

19 **Experiment 2: Culture Bottleneck**

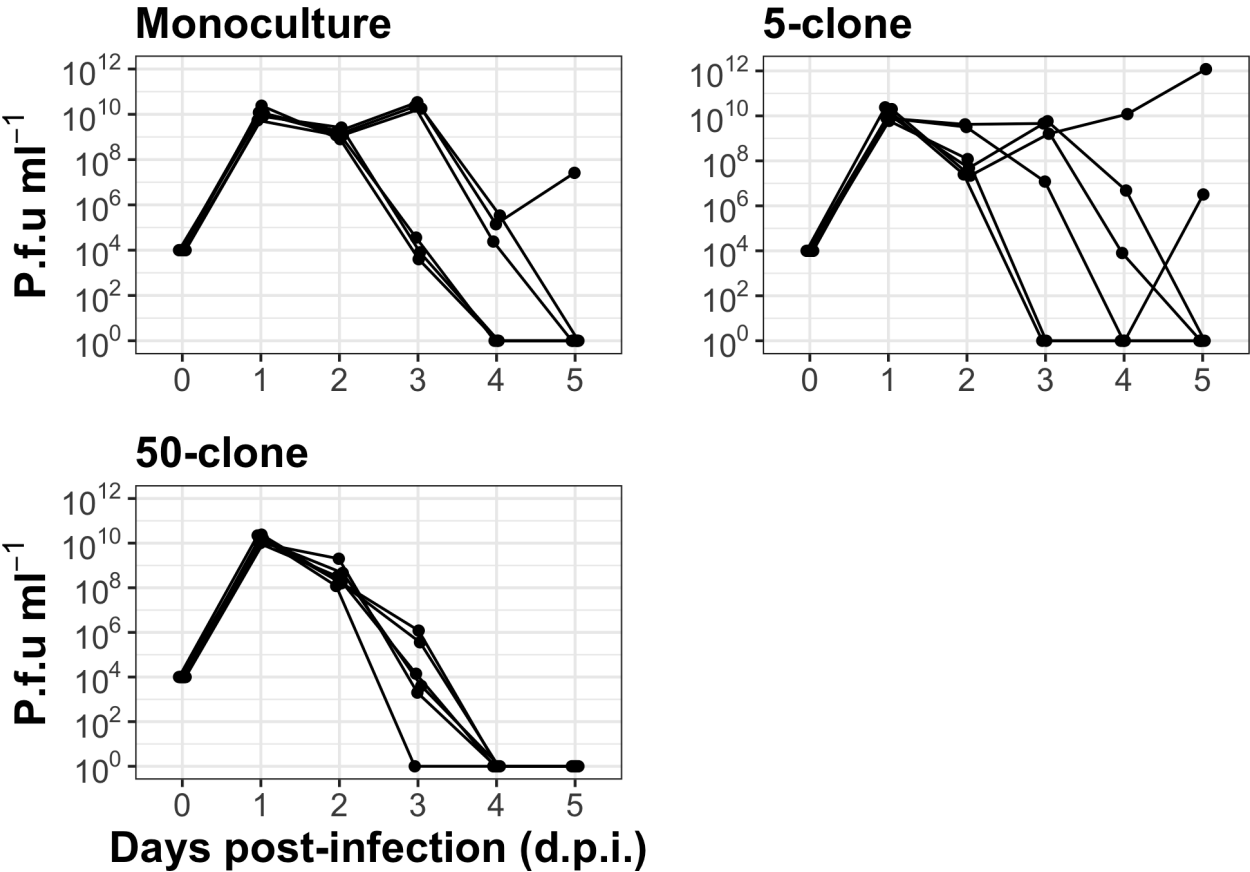20 **Figure 4: Change in phage titers in each bottleneck treatment**

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Figure 5: Phenotype, spacers and phage at t=3

Experiment 3

Figure 6: Change in phage titers in each bottleneck treatment, by replicate

Monoculture

5-clone

50-clone

Days post-infection (d.p.i.)

Figure 7: Phenotype and spacers at t=3