

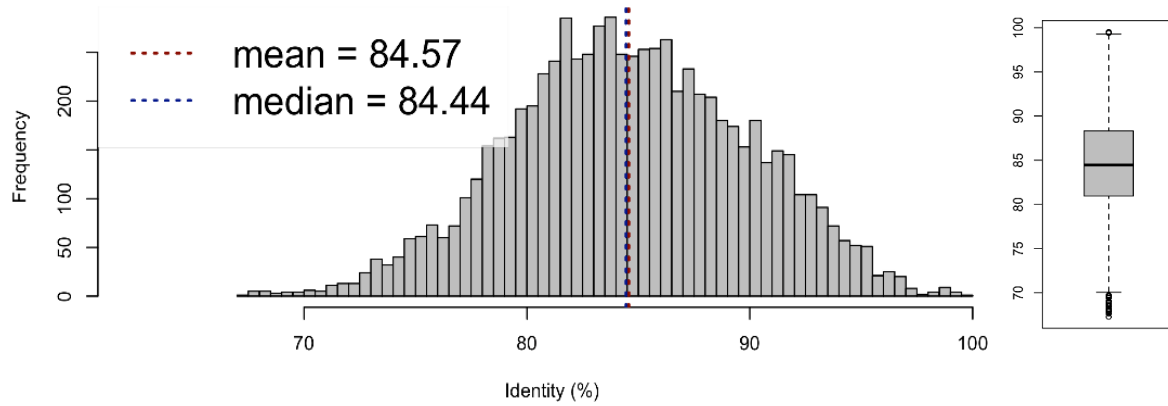
SUPPLEMENTAL INFORMATION

Supplemental Figure 1: Average Nucleotide Identity (ANI) plot between *Caulobacter* species

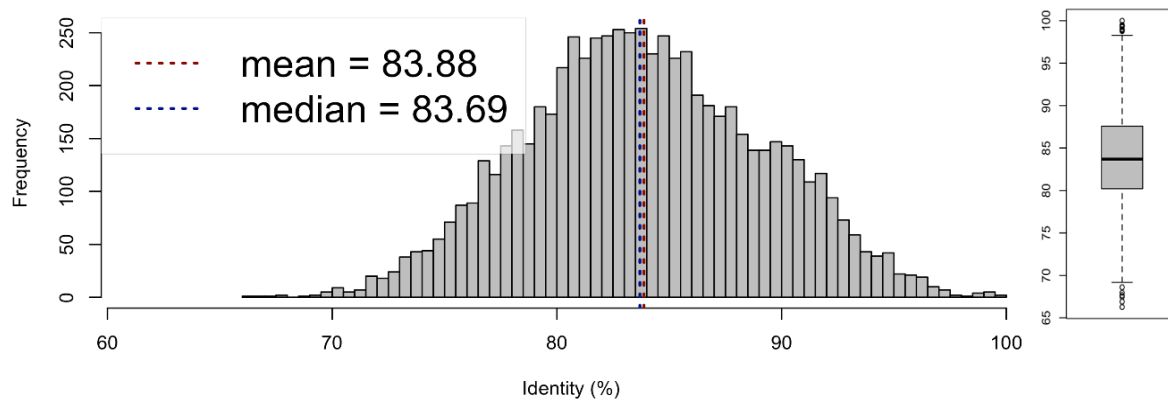
Supplemental Figure 2: Pooled cohort data for healthspan assays

Supplemental Figure 1: Average Nucleotide Identity (ANI) plot between *Caulobacter* species. Histogram represents reciprocal best hits (two-way ANI) between fragments of the specified genomes with box-and-whisker plot showing the distribution.

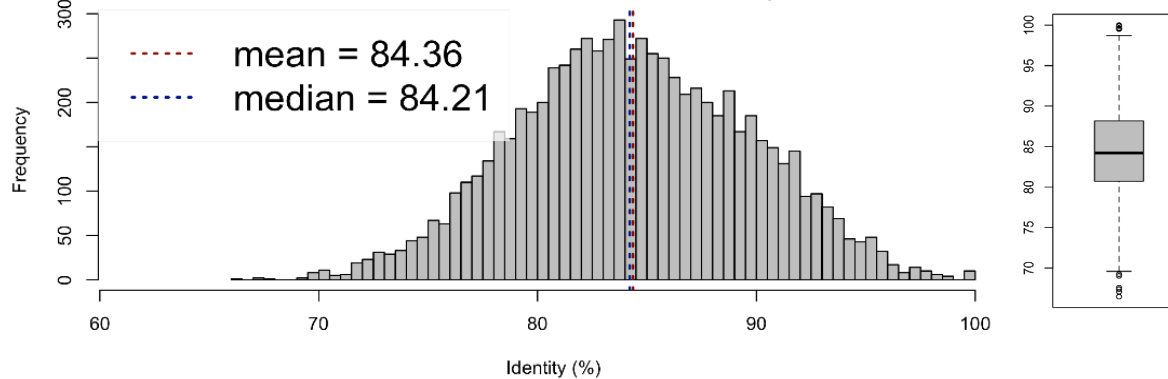
Caulobacter segnis ATCC21756 and *Caulobacter mirare* SSI4214



Caulobacter crescentus CB15 and *Caulobacter mirare* SSI4214



Caulobacter crescentus CB15 and *Caulobacter segnis* ATCC21756



Supplemental Figure 2: Pooled cohort data for healthspan assay. Each experiment was performed in biological triplicate. n represents number of animals per cohort and error bars represents standard error.

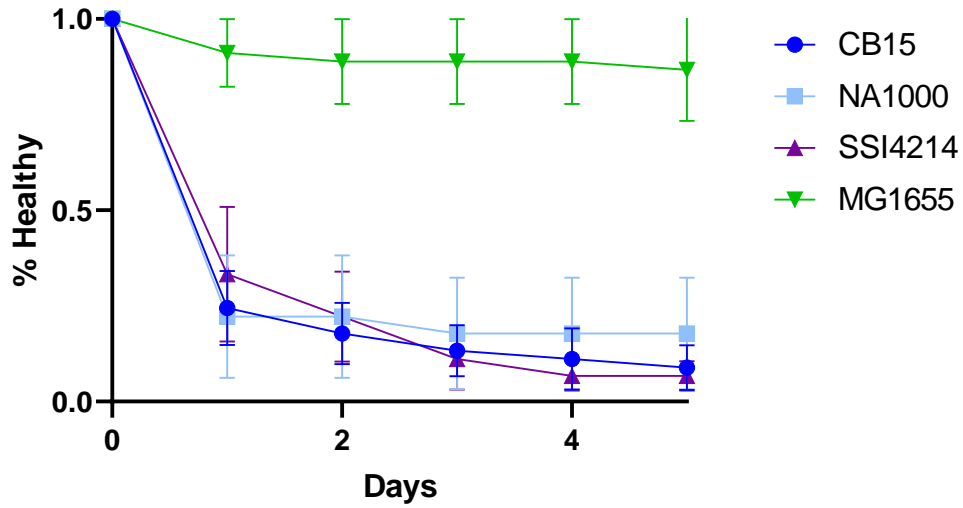


Figure 2C (n = 15)

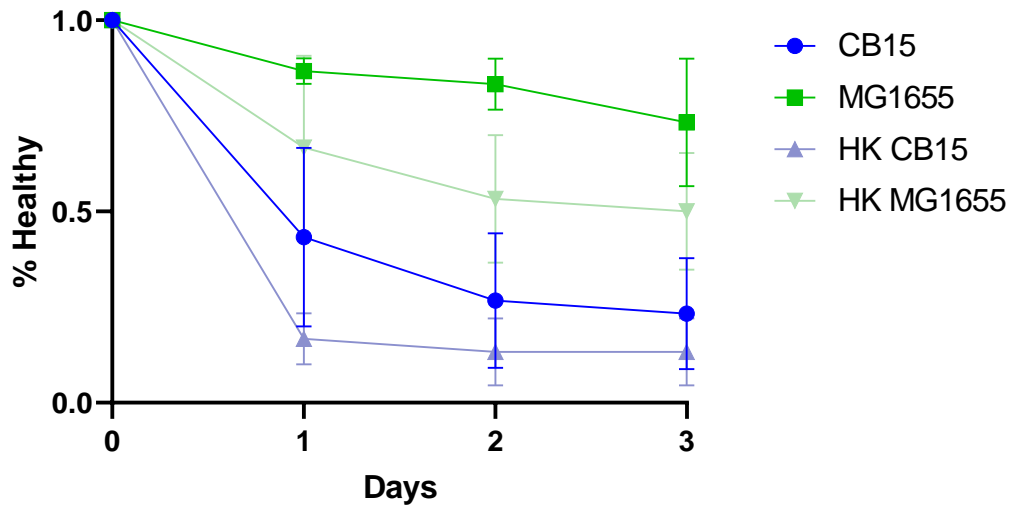


Figure 3A (n = 10)

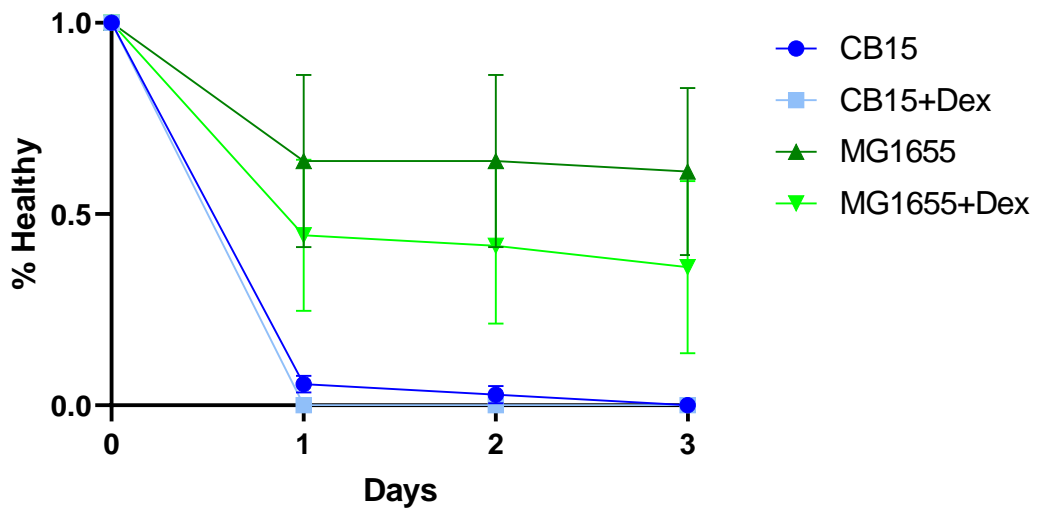


Figure 3B (n = 15)

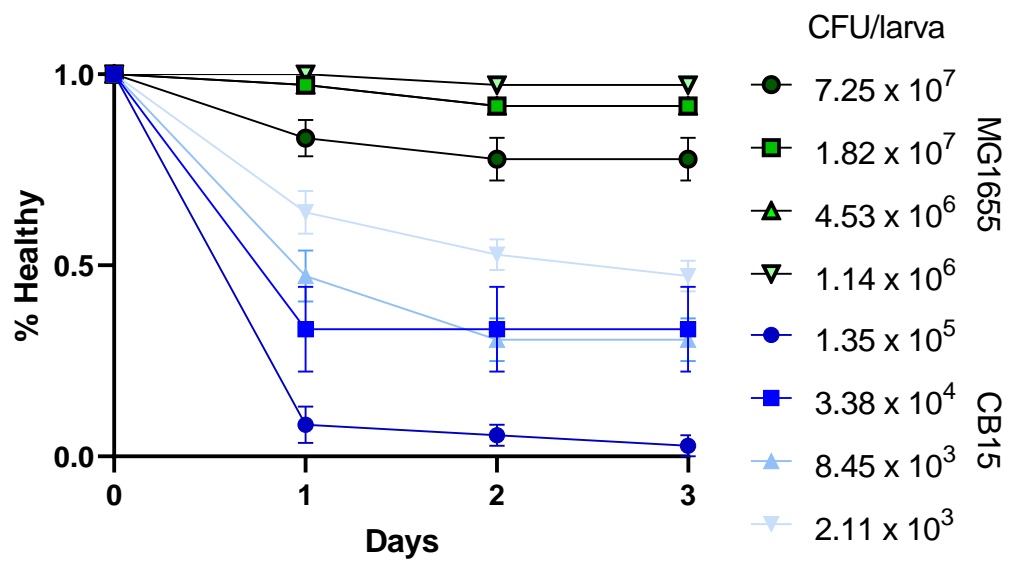


Figure 3C (n = 12)

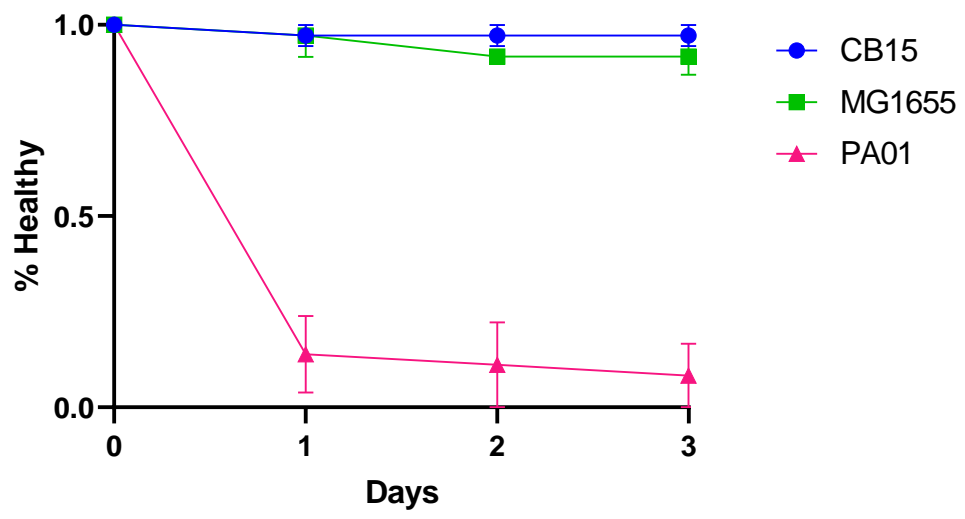


Figure 3D (n = 12)