APPENDIX

Mechanism for microbial population collapse in a fluctuating resource environment

Serdar Turkarslan, Arjun V Raman, Anne W Thompson, Christina E Arens, Mark A Gillespie, Frederick von Netzer, Kristina L Hillesland, Sergey Stolyar, Adrian López García de Lomana, David J Reiss, Drew Gorman-Lewis, Grant M Zane, Jeffrey A Ranish, Judy D Wall, David A Stahl and Nitin S Baliga

Appendix Table of Contents

Figure Legends: Appendix Figure S1-S2 Page 2
Appendix Figure S1 Page 3
Appendix Figure S2 Page 13
Appendix Figure Legends

Appendix Figure S1: Change in abundance of selected Dv transcripts during experimental evolution of wild type and mutant co-cultures. Abundance for each transcript is represented as normalized read counts on the y-axis while conditions are listed on the x-axis.

Appendix Figure S2: Change in abundance (log$_2$) of selected Dv proteins during experimental evolution of wild type and mutant co-cultures. Protein abundances for each condition are listed as boxplots while trends are represented with a trend line. Log$_2$-fold changes between ST1 and SR3 were calculated by Student’s t-test or Mann–Whitney U test depending on normality of observed values; normality assessed by Shapiro–Wilk normality test. * indicates p-value < 0.05 or ** indicates p-value < 0.01. Essential gene names are indicated with red font.