



Supplementary Figure 1: Fluxes for reactions in 174 different environmental conditions. (A) Standard deviation of the rank calculated across 174 environmental conditions; color map represents the average of the rank across all 174 environmental conditions. (B) Distribution of coefficient of variation amongst reactions included in (A). (C) Distribution of all non-zero fluxes distributed across all 174 environmental conditions. (D) Fitness (growth rate ratio compared with Wild Type in a particular environmental condition) of single reaction deletions identified in Figure 1C; the letter in the parentheses represents the subsystem mentioned in Table 1.