

# Supplementary Information

Laboratory evolution of gene knockout strains of *E. coli* reveal regulatory architectures that are governed by metabolism

McCloskey et al.

## Supplementary Figure 1

Innovative transcript levels vs. Fitness change. Innovative transcripts are those transcript profiles (Ref - uKO - eKO, see Fig. 3) that classify as Novel, Overcompensated, Reinforced, or Unrestored (p-value < 0.05). Fitness change is calculated as the average distance in % fitness change from Ref to uKO, and from uKO to eKO. Average counts for transcript levels and average % fitness change are shown as y- and x- axis, respectively. Pearson correlation coefficient and p-value are annotated on the plot.

