

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Raw data from combinatorial CRISPR screen

File Name: Supplementary Data 2

Description: Summary of all single KO gene x environment interactions

File Name: Supplementary Data 3

Description: π -score and p-values for all gene x gene interactions in the screen

File Name: Supplementary Data 4

Description: Summary of all gene x gene x environment interaction hits in the screen

File Name: Supplementary Data 5

Description: Expression profiles of SLC25 genes in K562 cells

File Name: Supplementary Data 6

Description: Metabolite profiles of SLC25A39 KO in K562 mitochondria

File Name: Supplementary Data 7

Description: Metabolite profiles of SLC25A39 KO in HeLa mitochondria

File Name: Supplementary Data 8

Description: Metabolite profiles of SLC25A39 KO in K562 cells