

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Full CRISPR screen data.

File Name: Supplementary Data 2

Description: Raw and normalized data from metabolomics from Δ Tmem14c and its parental line

File Name: Supplementary Data 3

Description: **Hits from MAGECK analysis**. All genes significantly (defined as FDR

File Name: Supplementary Data 4

Description: Raw data from untargeted polar metabolomics from parental lines treated with metabolic inhibitors (NaFAc, SA, 2-DG).

File Name: Supplementary Data 5

Description: Protein abundance in TPP samples relative to abundance in the 37° C sample.

File Name: Supplementary Data 6

Description: Raw data from untargeted polar metabolomics from parental and Δ DegP2 parasite lines. Δ

File Name: Supplementary Data 7

Description: *T. gondii* and *P. falciparum* primers used in this study.