

Title: Supplementary Data 1:

Description: List of pan-essential genes

Title: Supplementary Data 2:

Description: List of non-essential genes

Title: Supplementary Data 3:

Description: List of pan-essential pairs

Title: Supplementary Data 4:

Description: List of non-essential pairs

Title: Supplementary Data 5:

Description: Cas9 sgRNA sequences and source

Title: Supplementary Data 6:

Description: Cas9 sgRNA pair combinations

Title: Supplementary Data 7:

Description: Cas12a sgRNA and PFAM annotation

Title: Supplementary Data 8:

Description: Cas12a sgRNA pair combinations

Title: Supplementary Data 9:

Description: Raw counts from CRISPR screens

Title: Supplementary Data 10:

Description: LFC from CRISPR screens

Title: Supplementary Data 11:

Description: GEMINI sensitive synergy score from CRISPR screens