

Title: Supplementary Data 1:

Description: PAM-mapping counts, library annotation, replicate correlations. Associated with Figs 1,3.

Title: Supplementary Data 2:

Description: HF-off-target counts, library annotation, replicate correlations. Associated with Fig 2.

Title: Supplementary Data 3:

Description: variant off-target counts, library annotation, replicate correlations. Associated with Fig 4.

Title: Supplementary Data 4:

Description: LFC and probability of being active calculations for all of the off-target datasets that are used to calculate the CFD scores. Associated with Figs 2,4.

Title: Supplementary Data 5:

Description: BRCA1 CBE data - WT, NG, SpG counts, WT library annotation (includes different controls), variant library annotation, replicate correlations. Associated with Fig 5.

Title: Supplementary Data 6:

Description: BRCA1 ABE data - WT, NG, SpG counts, WT library annotation (includes different controls), variant library annotation, replicate correlations. Associated with Fig 5.

Title: Supplementary Data 7:

Description: BCL2 data - NG-CBE and NG-ABE counts, library annotations, replicate correlations. Associated with Fig 7.

Title: Supplementary Data 8:

Description: Primers and guide sequences used for validation experiments and the parameters used to run all validation samples in CRISPResso2. Associated with Figs 6,7.