



Fig.S1. Chen, et al

Supplementary Fig. 1 Whole-genome CRISPR-Cas9 screen in NCI-H1373 cells.

A, Histograms showing the of the frequency of all sgRNA counts in DMSO and RBN-2397 treated samples. **B**, Volcano plot for hits from the DMSO vs RBN-2397(20 nM) CRISPR screen. x axis shows gene-level LFC (median of LFC for all sgRNAs per gene, scaled). y axis shows the $-\log_{10}(\text{adjp})$ as calculated by MAGeCK. Positive hits (enriched in 20nM RBN-2397 treated cells, $\text{LFC} > 0.6$ and $-\log_{10}(\text{adjp}) > 2$ are in blue and negative hits (depleted in 20nM RBN-2397 treated cells, $\text{LFC} < 0.6$ and $-\log_{10}(\text{adjp}) > 2$ are in red. **C**, Venn diagram of significantly enriched genes in RBN-2397(10 nM) vs DMSO and RBN-2397(20 nM) vs DMSO ($P < 0.05$) analyses **D**, Venn diagram of significantly depleted genes in RBN-2397(10 nM) vs DMSO and RBN-2397(20 nM) vs DMSO analyses ($P < 0.05$). **E**, Pathway analysis of the 346 shared hits in (**D**).