

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: The source data behind the graphs in the paper.

File name: Supplementary Data 2

Description: extensions from SECRETS protocol for EMX1, FANCF, and VEGFA Targets and top off-target. (Top five extensions sequences labeled as in Figures 3, 4, and S3).

File name: Supplementary Data 3

Description: extensions from SECRETS protocol for HBB target and top off-target from gRNA from clinical trial ClinicalTrials.gov ID NCT04774536. (top three extensions sequences labeled as in Figure 5A).

File name: Supplementary Data 4

Description: Oligonucleotide and primer sequences.

File name: Supplementary Data 5

Description: dsDNA fragments used to clone pSECRETS plasmids.