A

HCC78-derived cell lines

Number of Reads

reads supporting wild-type U2AF1
reads supporting U2AF1S34F

sgRNA-GFP clone #2
sgRNA-GFP clone #3
sgRNA-S34F clone #4
sgRNA-S34F clone #6

B

increased exon inclusion (relative to HCC78 cells sgRNA-S34F clone #4)

no change in exon inclusion (relative to HCC78 cells sgRNA-S34F clone #4)

decreased exon inclusion (relative to HCC78 cells sgRNA-S34F clone #4)

C

HCC78 cells

sgRNA-GFP clone #2

reads supporting wild-type U2AF1
reads supporting U2AF1S34F

n = 257
n = 21337
n = 236

intron

exon

relative position