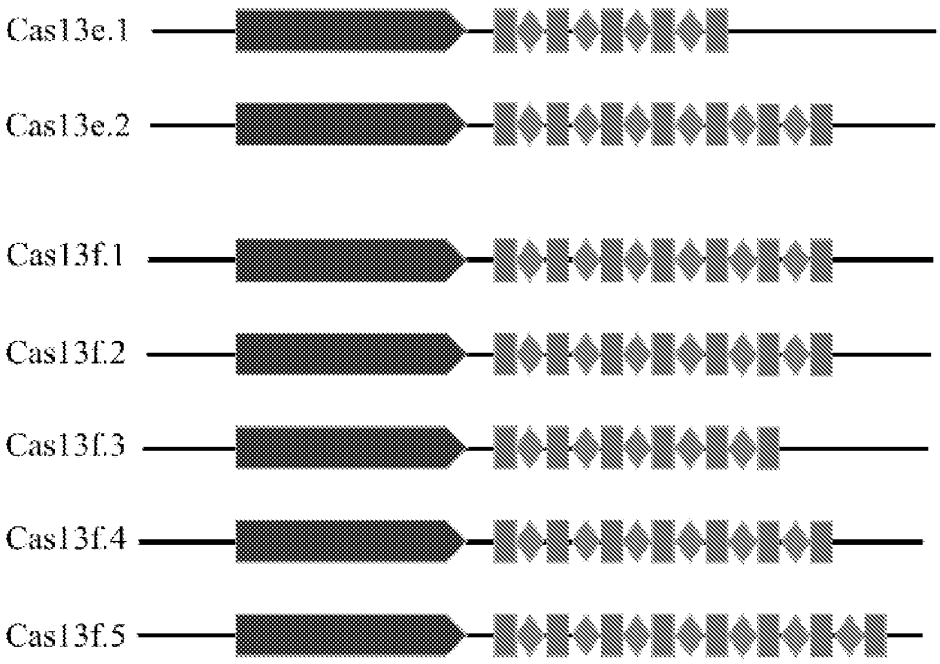

Cas13e.1
Cas13e.2
Cas13f.1
Cas13f.2
Cas13f.3
Cas13f.4
Cas13f.5

FIG. 1

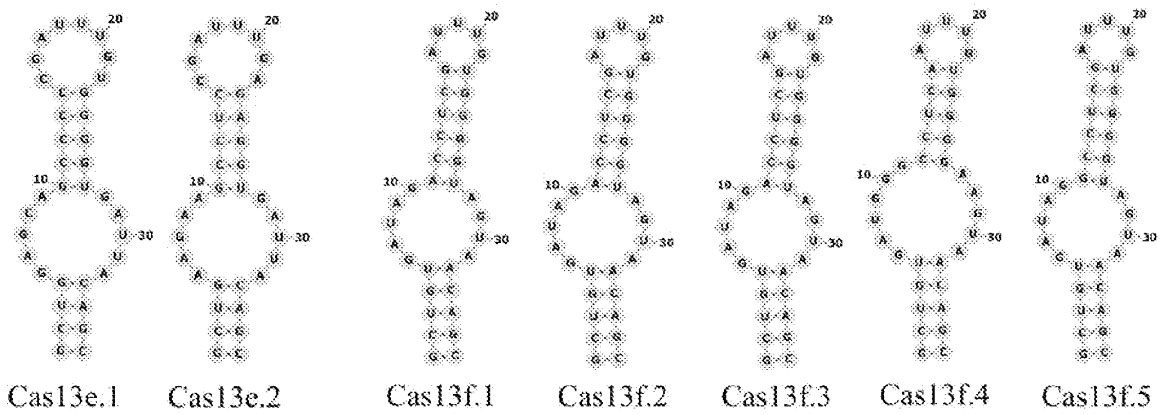

Cas13e.1
Cas13e.2
Cas13f.1
Cas13f.2
Cas13f.3
Cas13f.4
Cas13f.5

FIG. 2

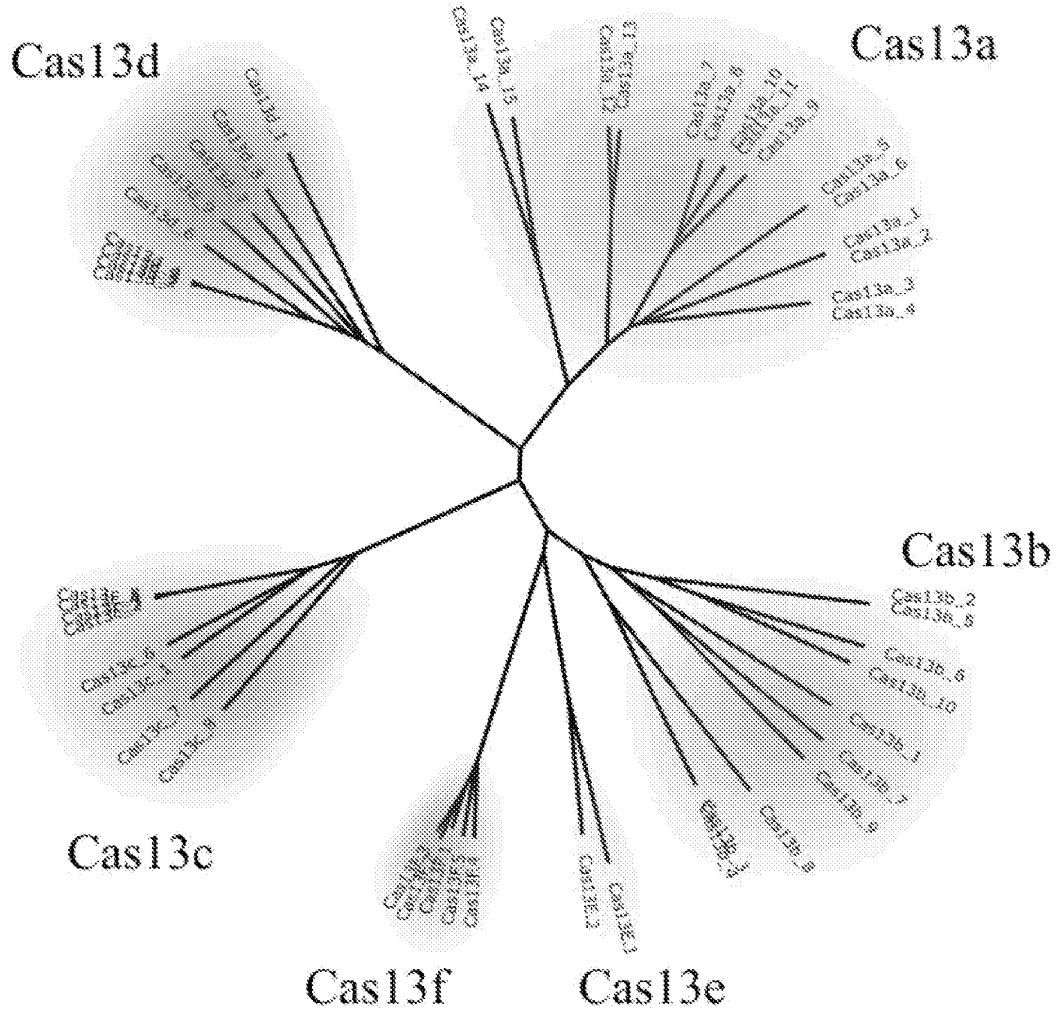


FIG. 3

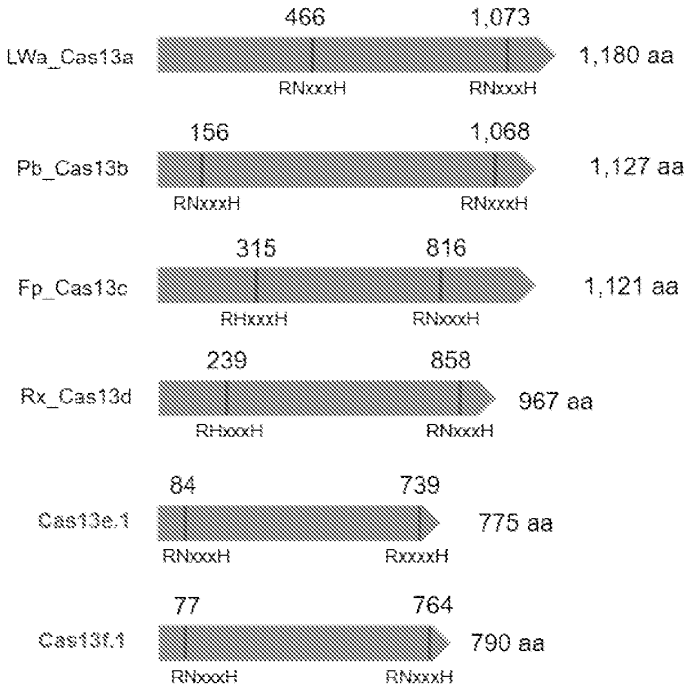

466
1,073
LWa_Cas13a
1,180 aa
RNxxxH
RNxxxH
156
1,068
Pb_Cas13b
1,127 aa
RNxxxH
RNxxxH
315
816
Fp_Cas13c
1,121 aa
RHxxxH
RNxxxH
239
858
Rx_Cas13d
967 aa
RHxxxH
RNxxxH
84
739
Cas13e.1
775 aa
RNxxxH
RxxxxH
77
764
Cas13f.1
790 aa
RNxxxH
RNxxxH

FIG. 4

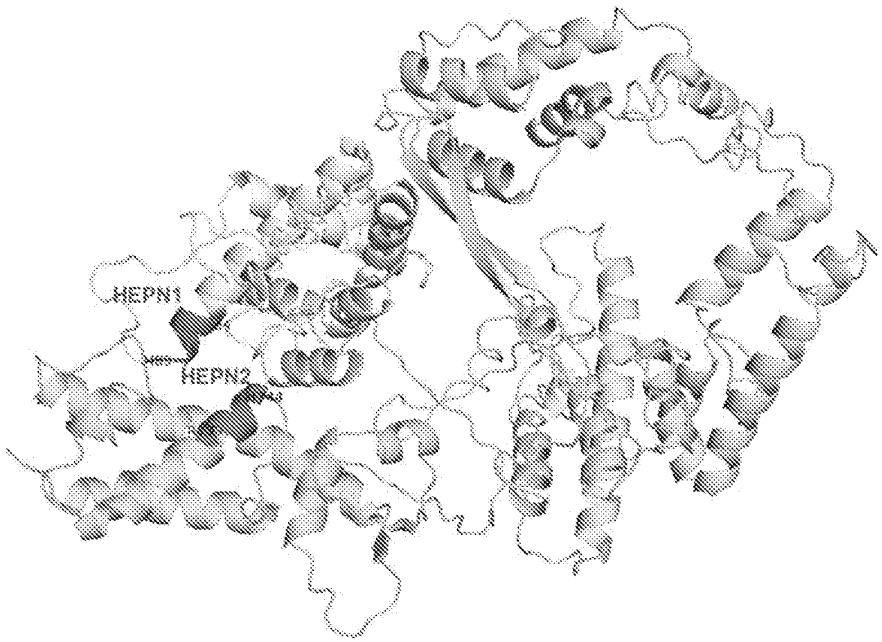

HEPN1
HEPN2

FIG. 5

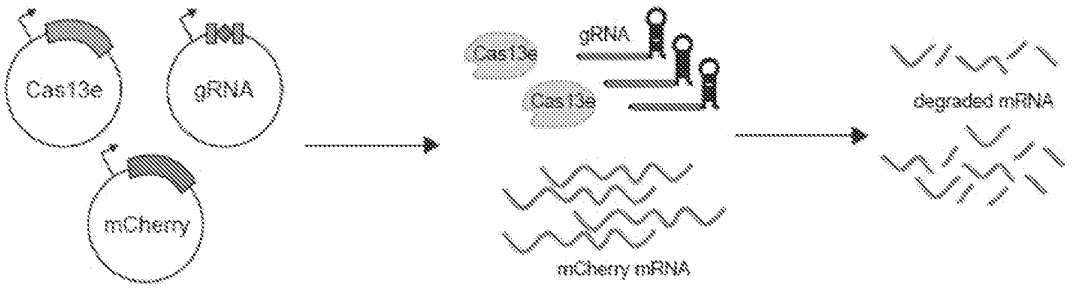


FIG. 6

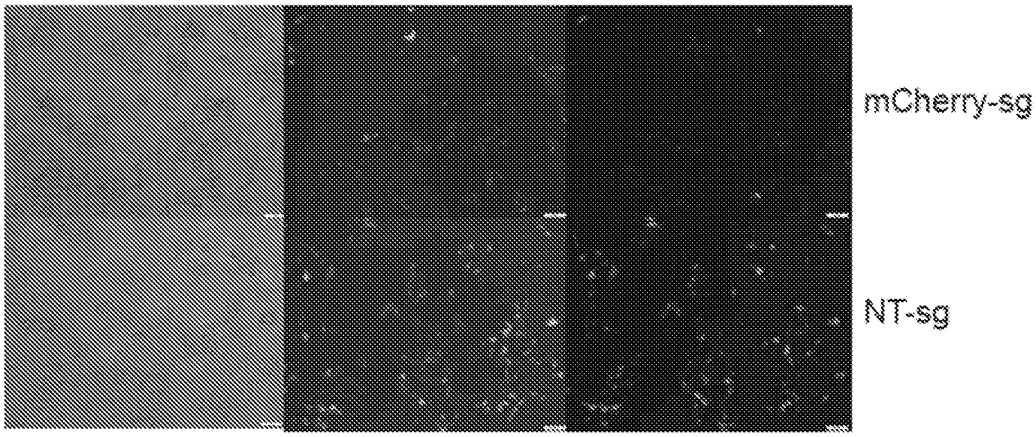


FIG. 7

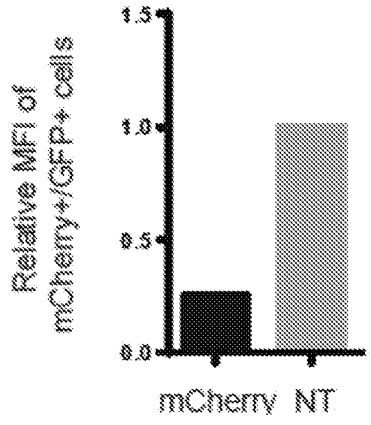


FIG. 8

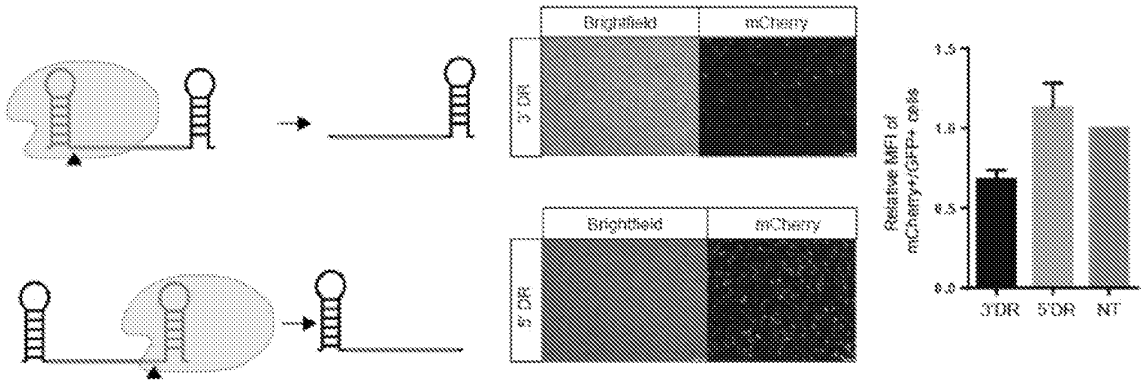


FIG. 9

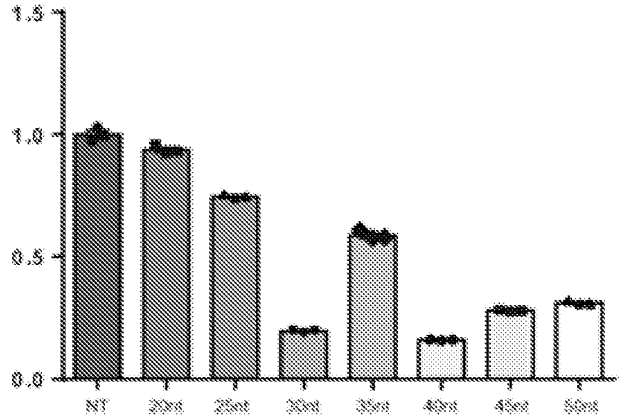


FIG. 10

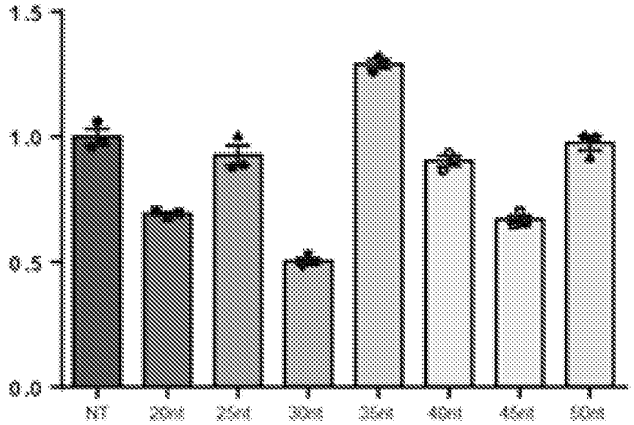


FIG. 11

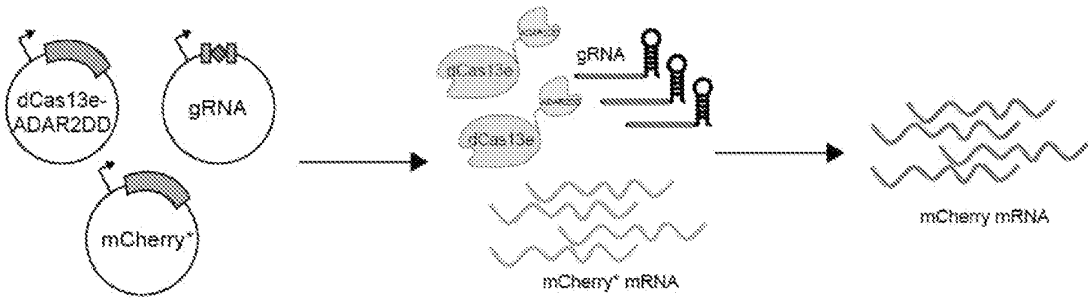


FIG. 12

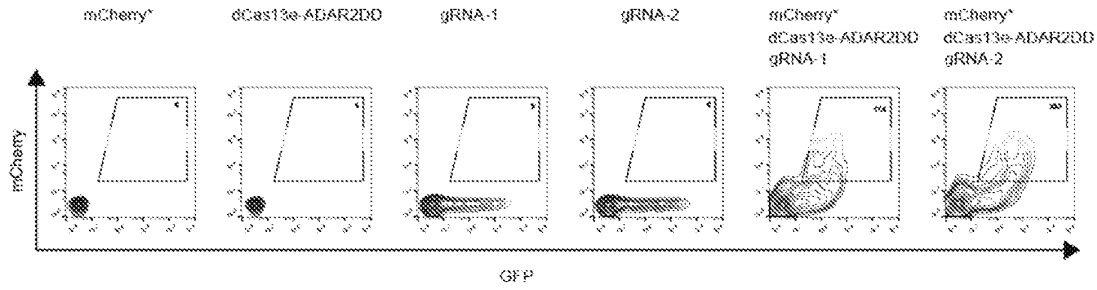


FIG. 13

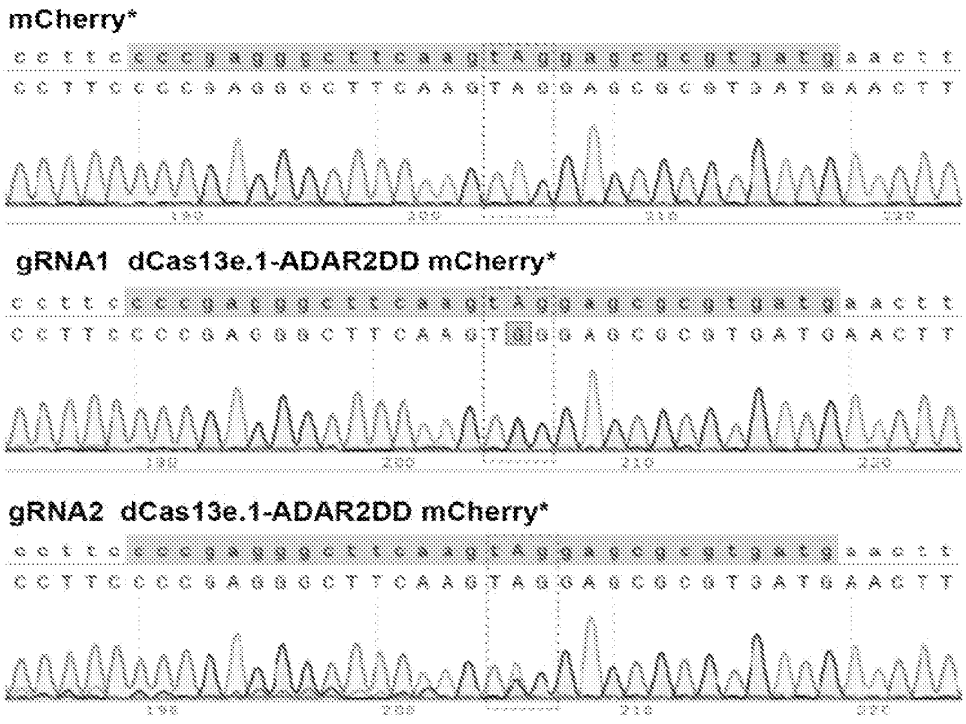


FIG. 14

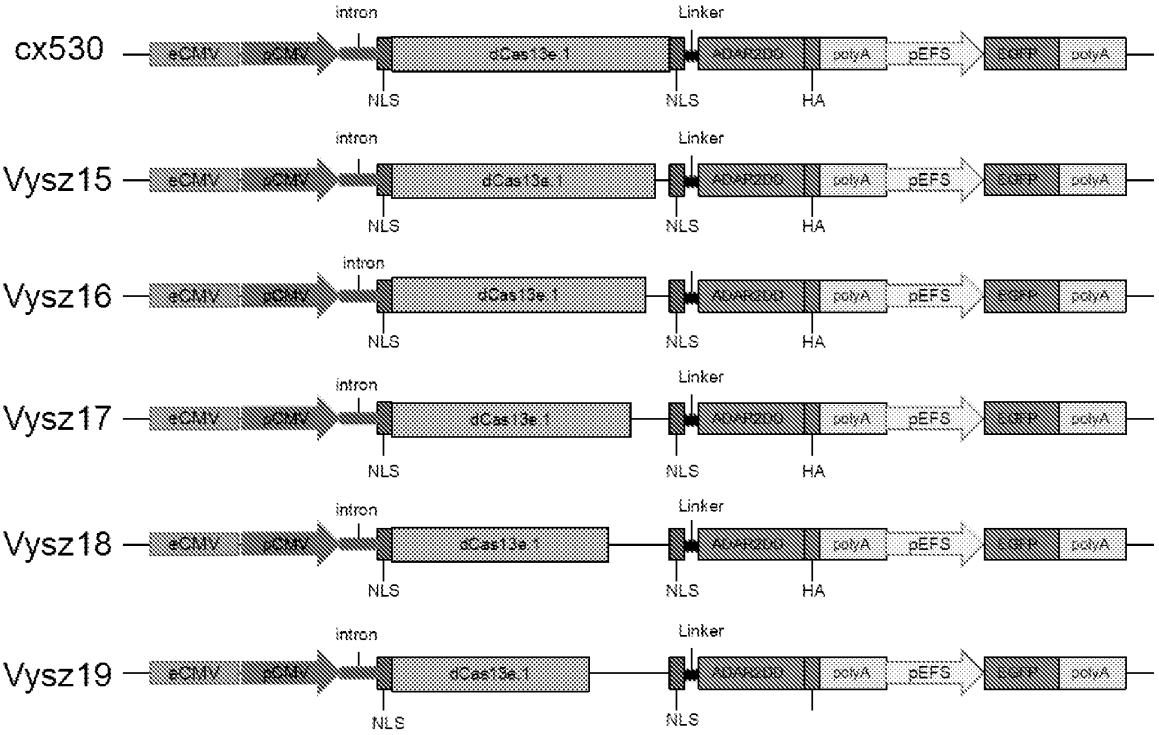

cx530
Vysz15
Vysz16
Vysz17
Vysz18
Vysz19
eCMV
pCMV
intron
dCas13e.1
Linker
ADARDD
polyA
pEFS
EGFP
NLS
HA

FIG. 15

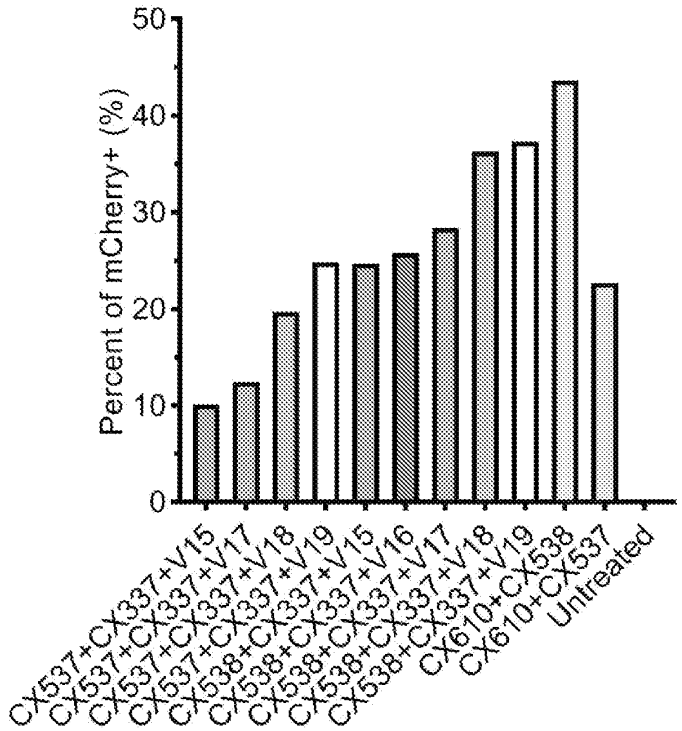

Percent of mCherry+ (%)
0
10
20
30
40
50
CX537+CX337+V15
CX537+CX337+V17
CX537+CX337+V18
CX537+CX337+V19
CX538+CX337+V15
CX538+CX337+V16
CX538+CX337+V17
CX538+CX337+V18
CX610+CX538
CX610+CX537
Untreated

FIG. 16

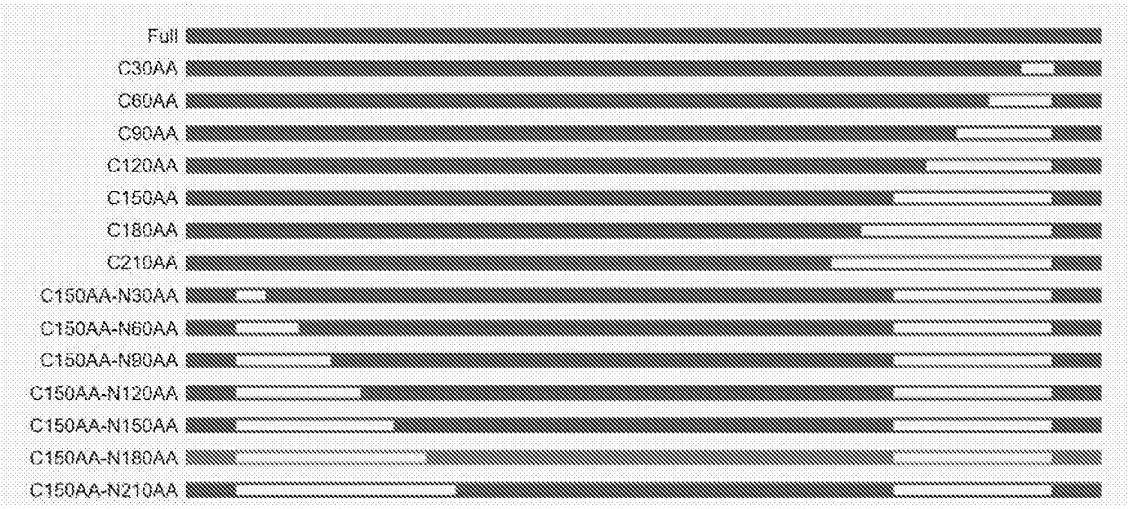

Full
C30AA
C60AA
C90AA
C120AA
C150AA
C180AA
C210AA
C150AA-N30AA
C150AA-N60AA
C150AA-N90AA
C150AA-N120AA
C150AA-N150AA
C150AA-N180AA
C150AA-N210AA

FIG. 17

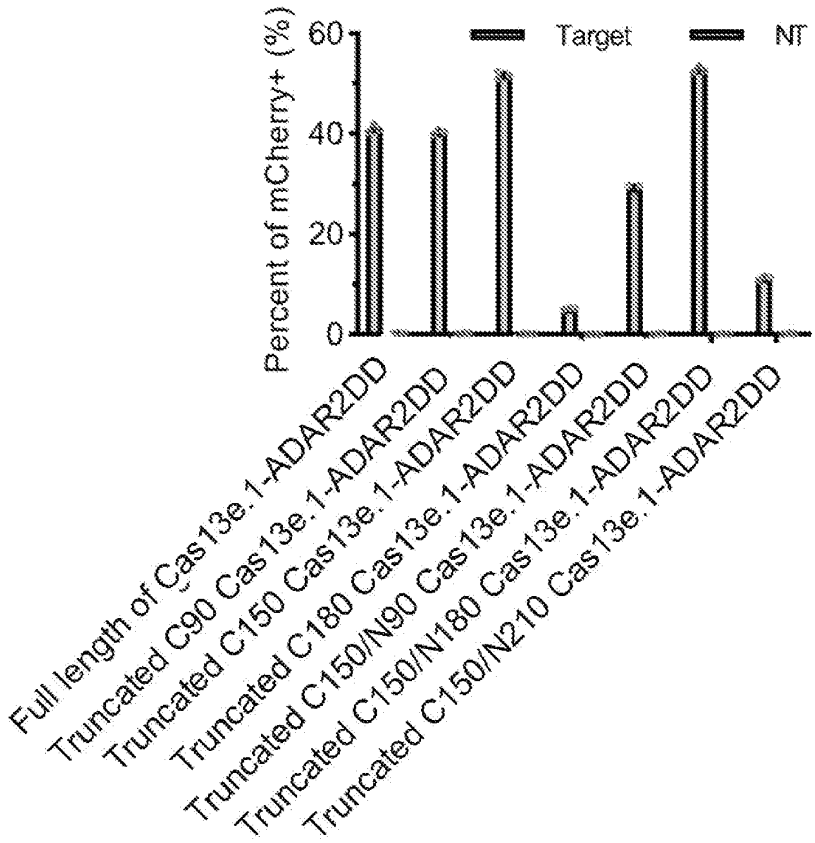

Percent of mCherry+ (%)
60
40
20
0
Target
NT
Full length of Cas13e.1-ADAR2DD
Truncated C90 Cas13e.1-ADAR2DD
Truncated C150 Cas13e.1-ADAR2DD
Truncated C180 Cas13e.1-ADAR2DD
Truncated C150/N90 Cas13e.1-ADAR2DD
Truncated C150/N180 Cas13e.1-ADAR2DD
Truncated C150/N210 Cas13e.1-ADAR2DD

FIG. 18

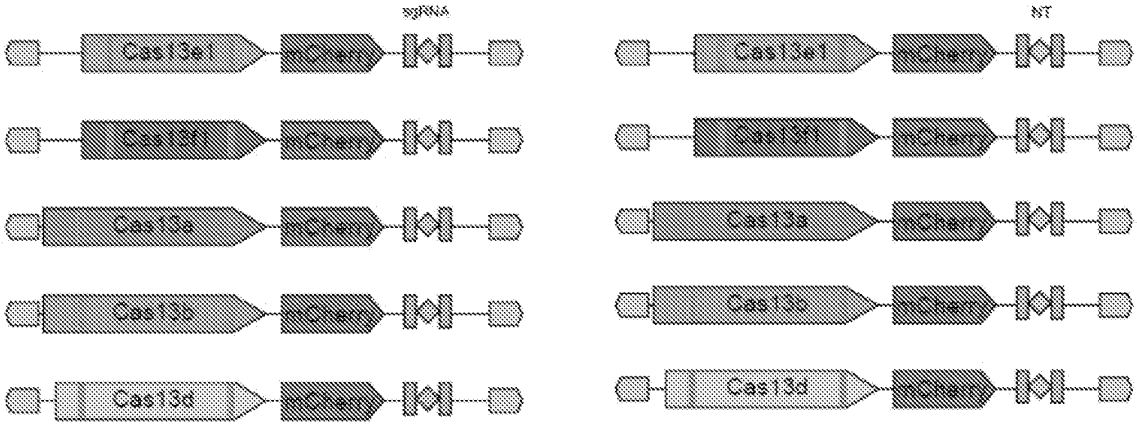

sgRNA
NT
Cas13e1
Cas13f1
Cas13a
Cas13b
Cas13d
mCherry

FIG. 19

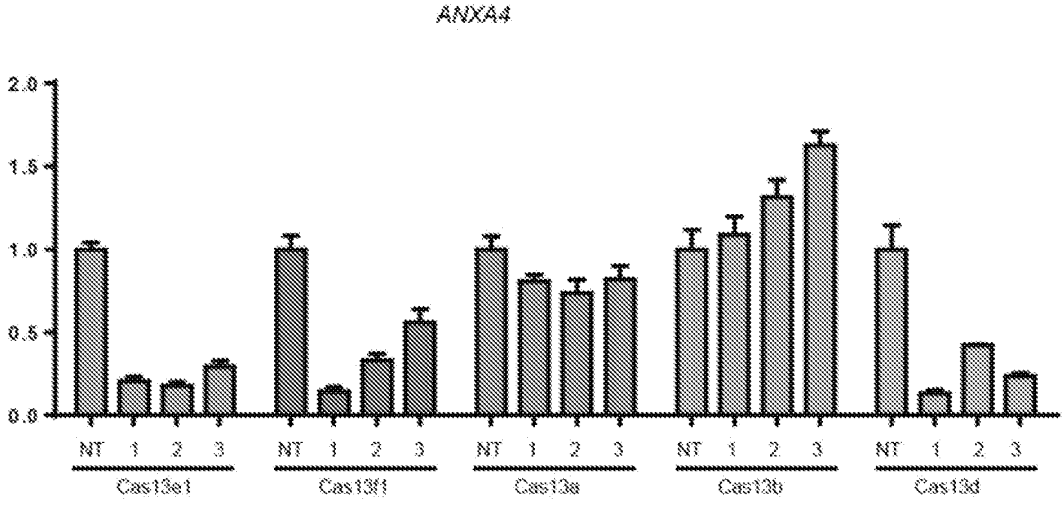

ANXA4
2.0
1.5
1.0
0.5
0.0
NT 1 2 3
Cas13e1
Cas13f1
Cas13a
Cas13b
Cas13d

FIG. 20