

FIG. 1

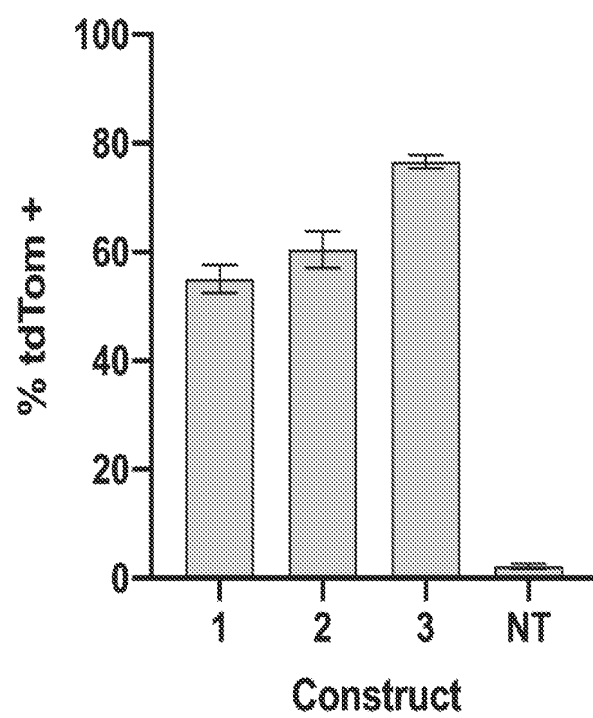


FIG. 2

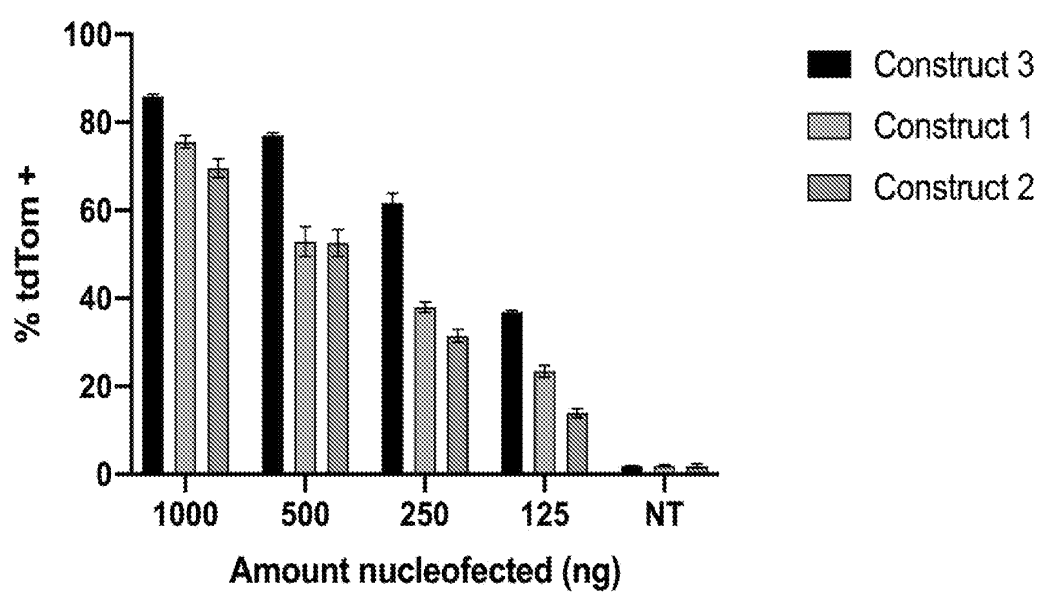


FIG. 3

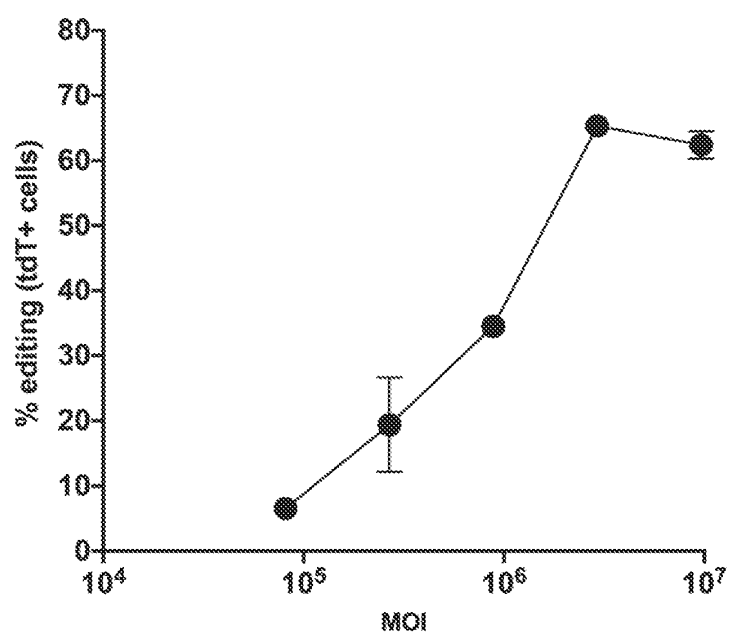


FIG. 4

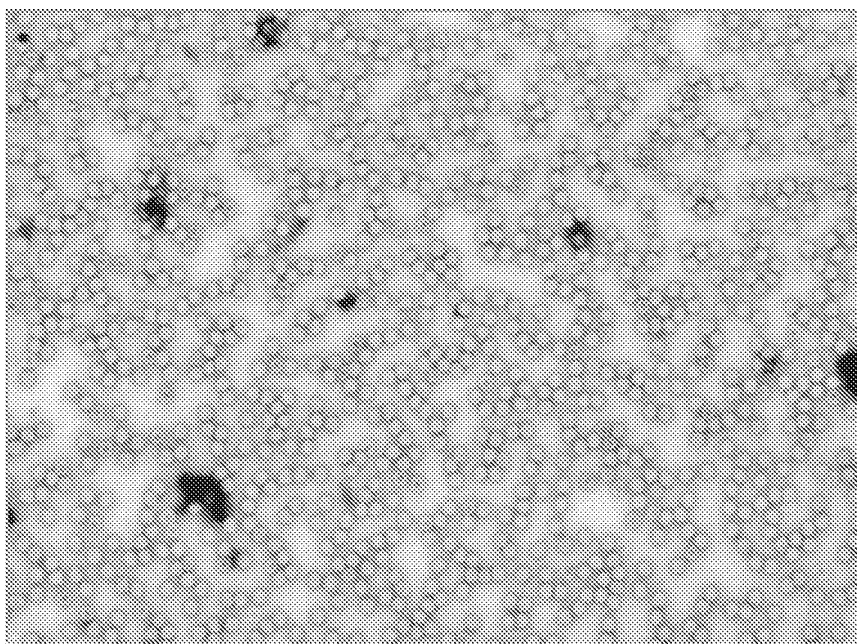


FIG. 5

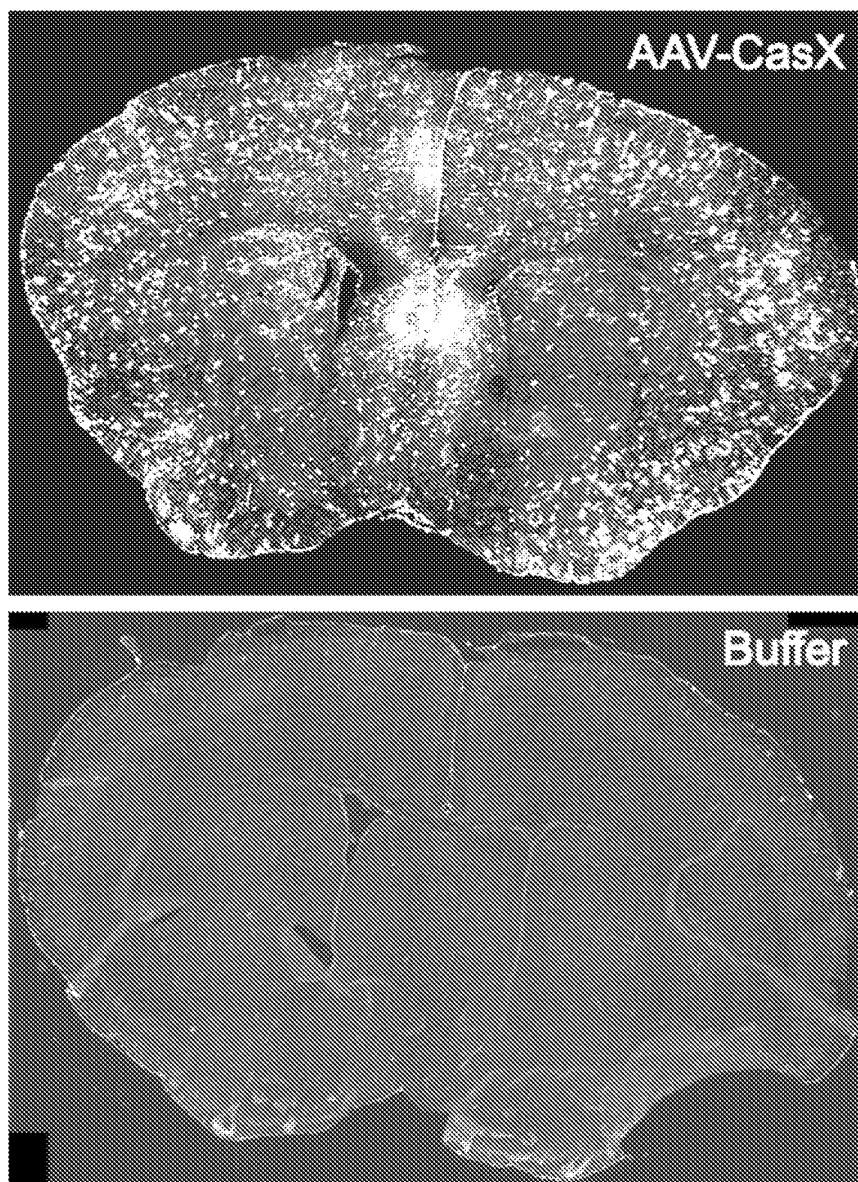


FIG. 6

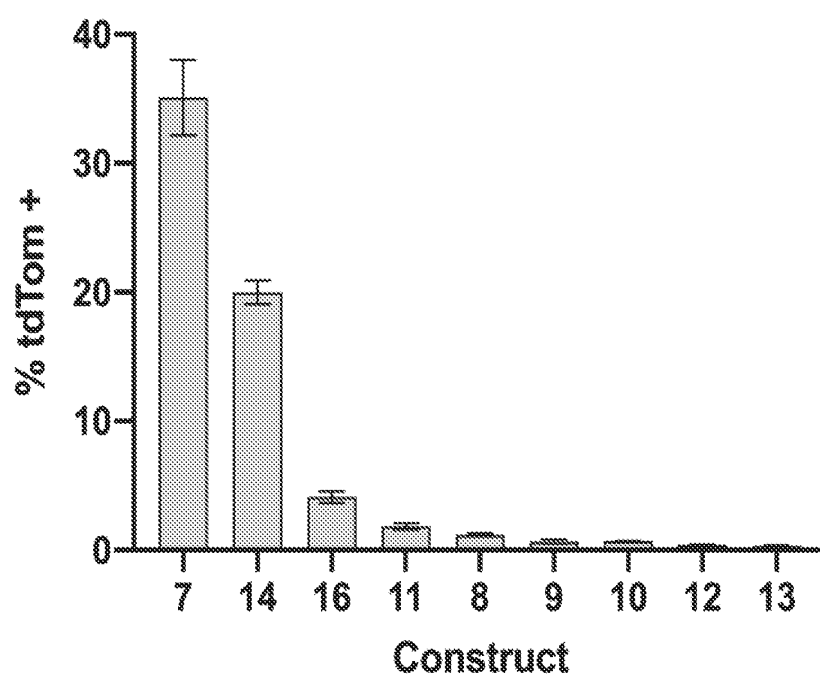


FIG. 7

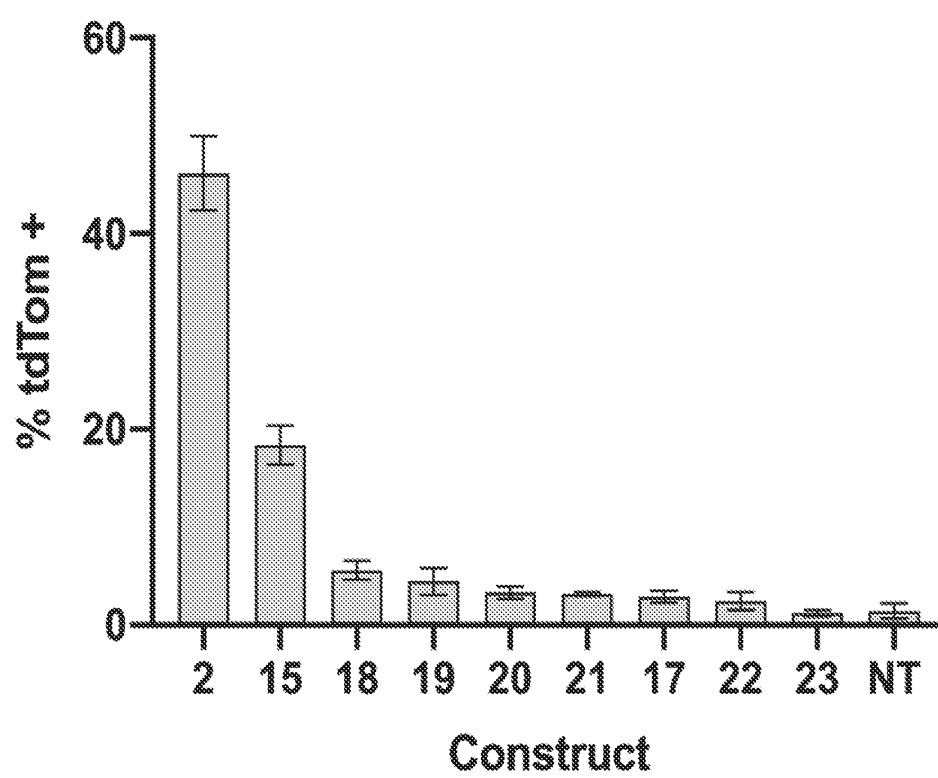
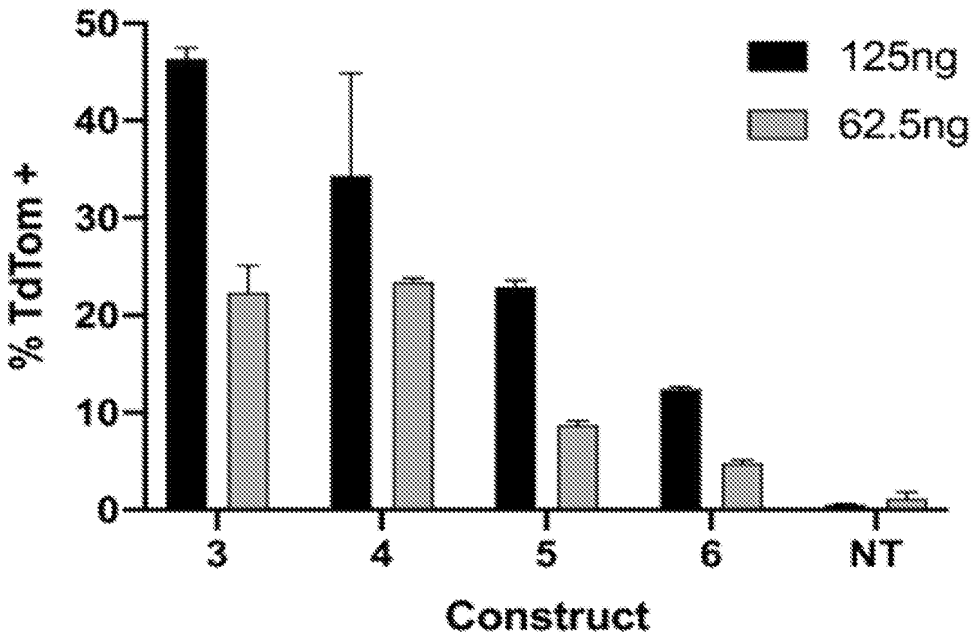


FIG. 8



Construct ID	Promoter size (bp)	AAV transgene size (bp)
3	584	4550
4	400	4349
5	234	4183
6	335	4284

FIG. 9

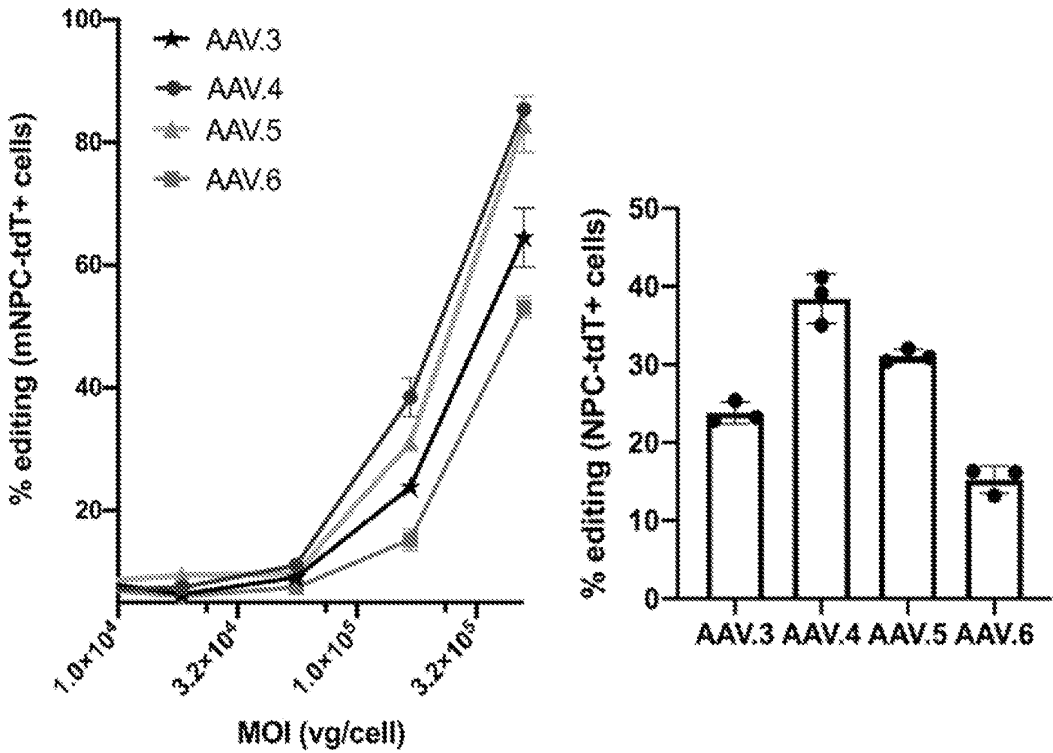


FIG. 10

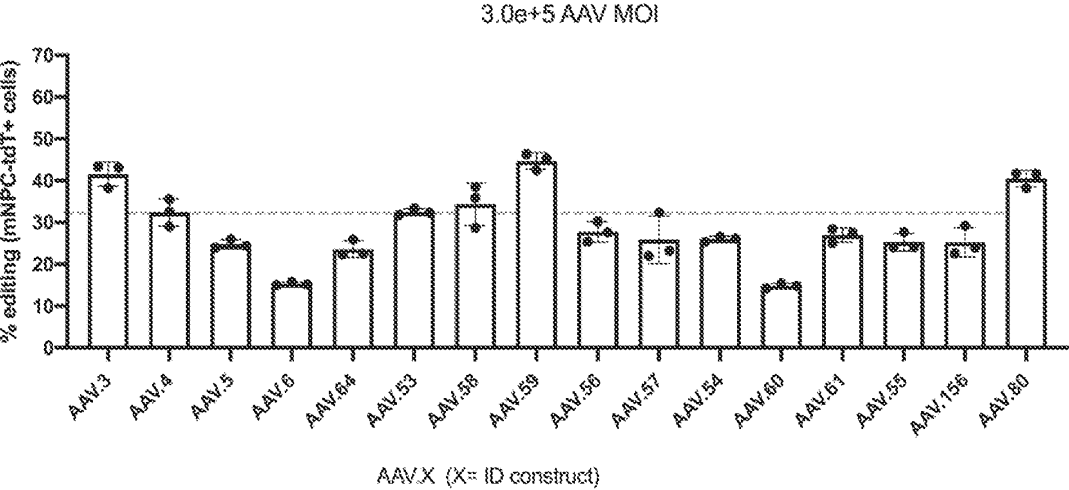


FIG. 11

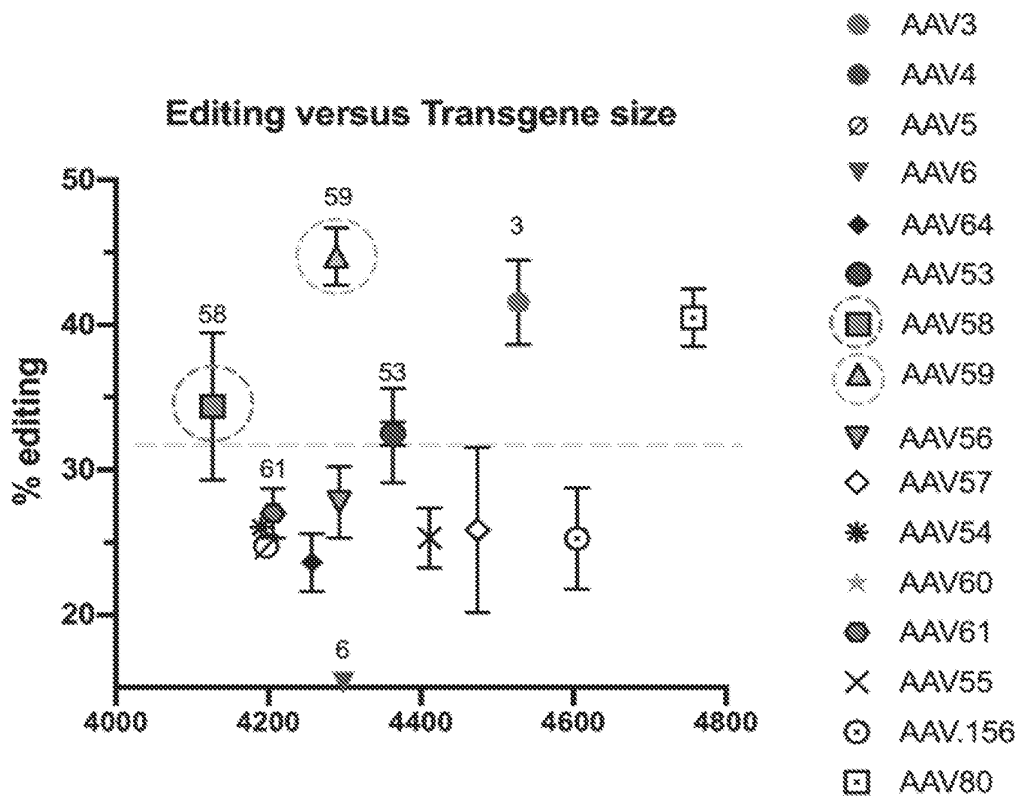


FIG. 12

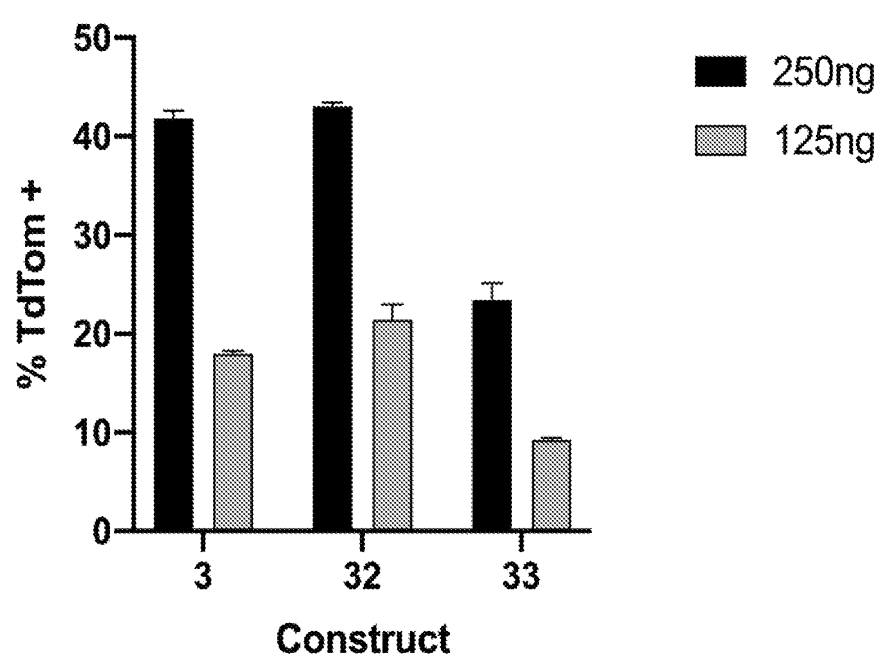


FIG. 13

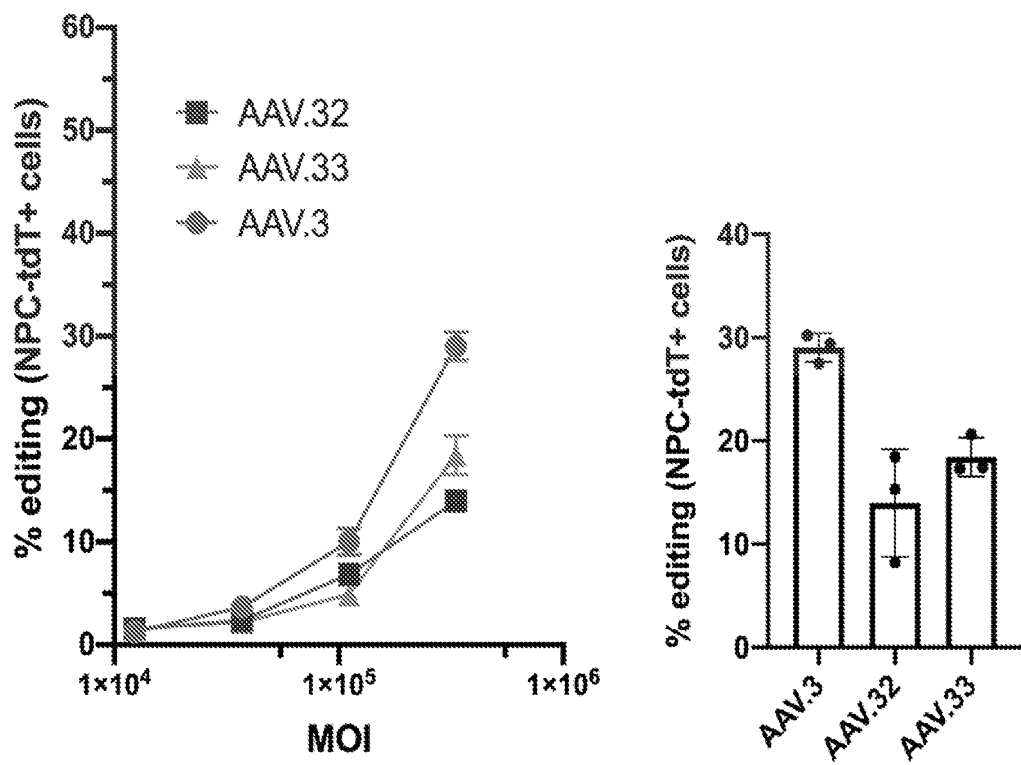


FIG. 14

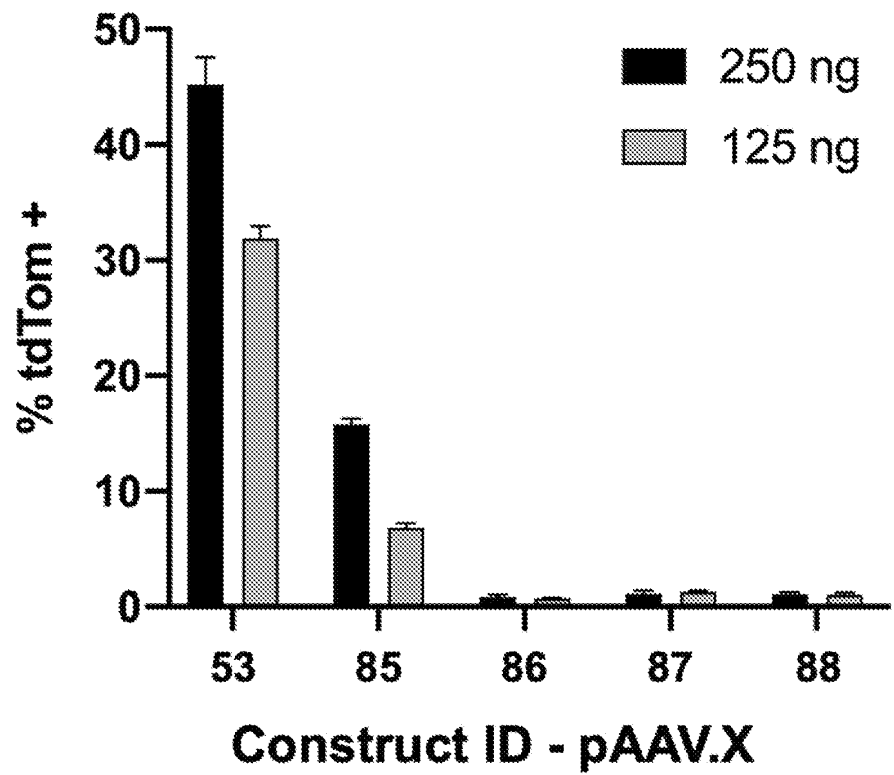


FIG. 15

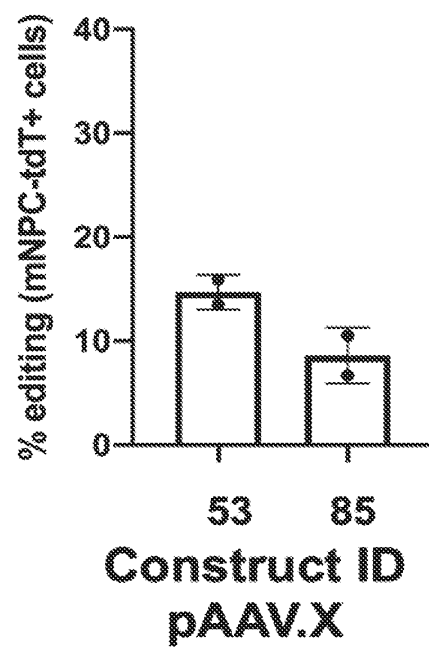


FIG. 16

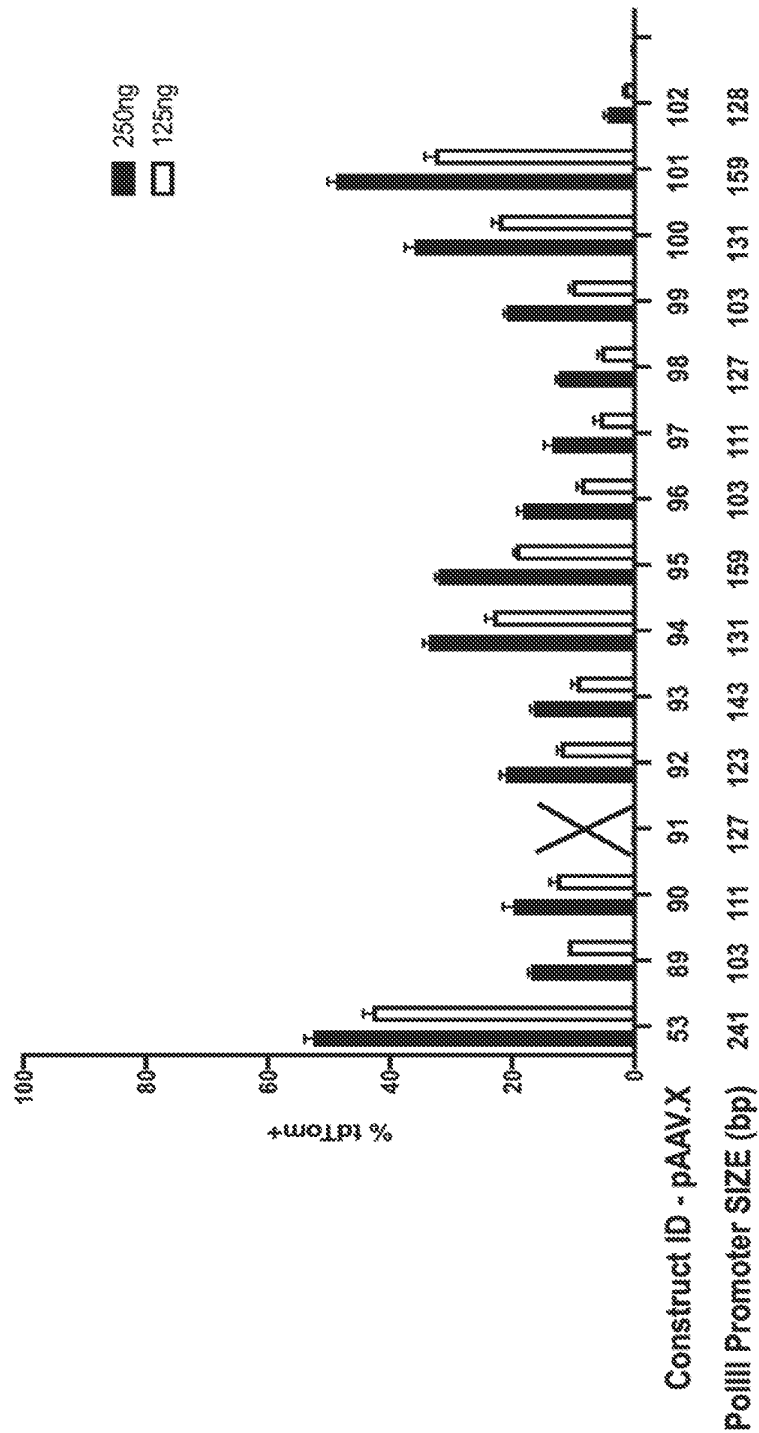


FIG. 17

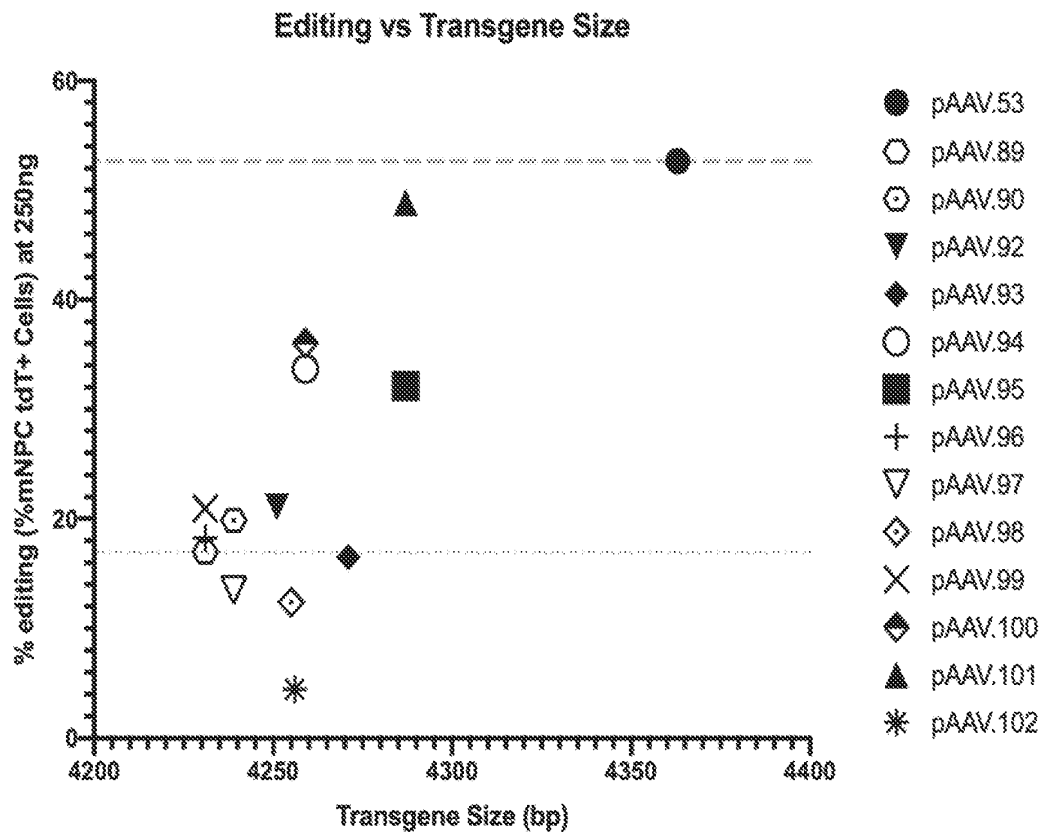


FIG. 18

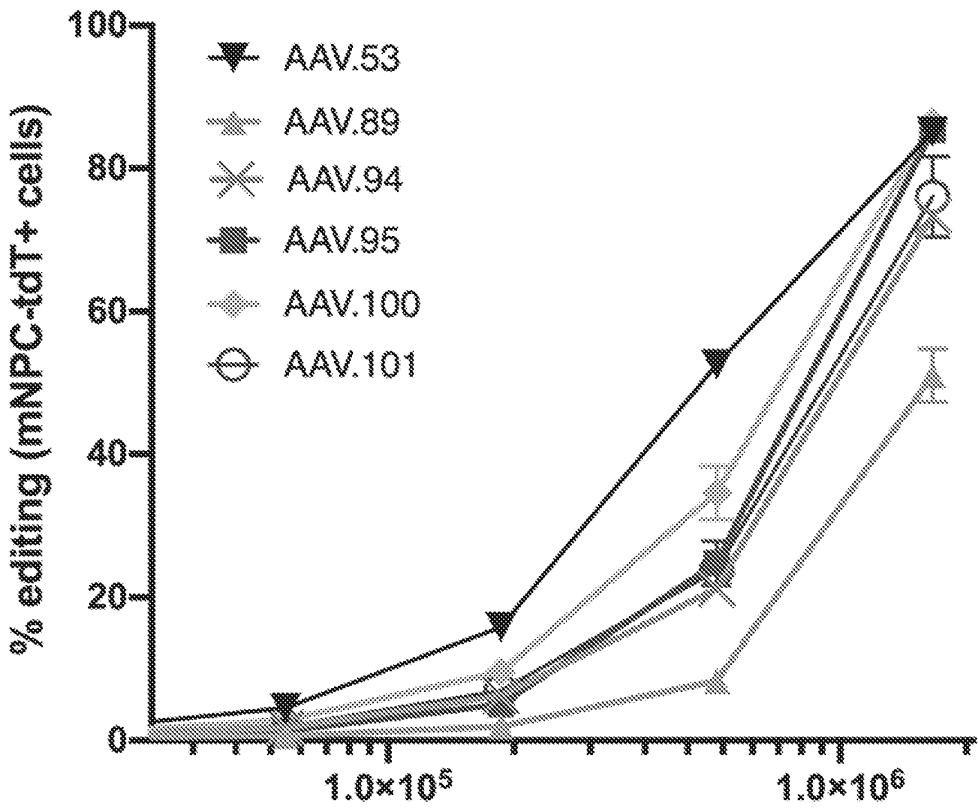


FIG. 19

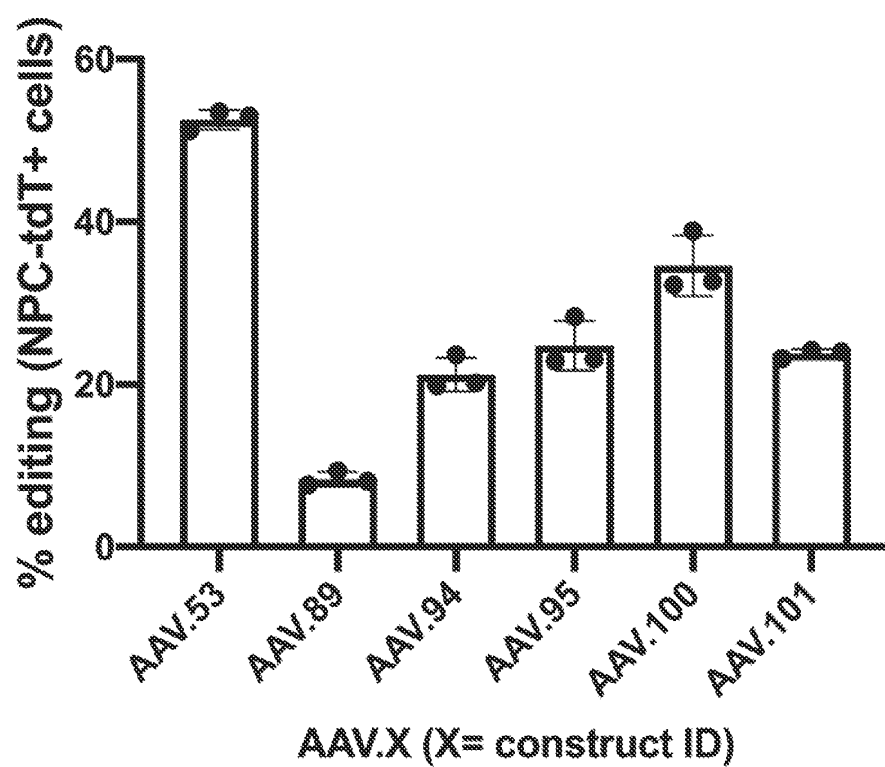


FIG. 20

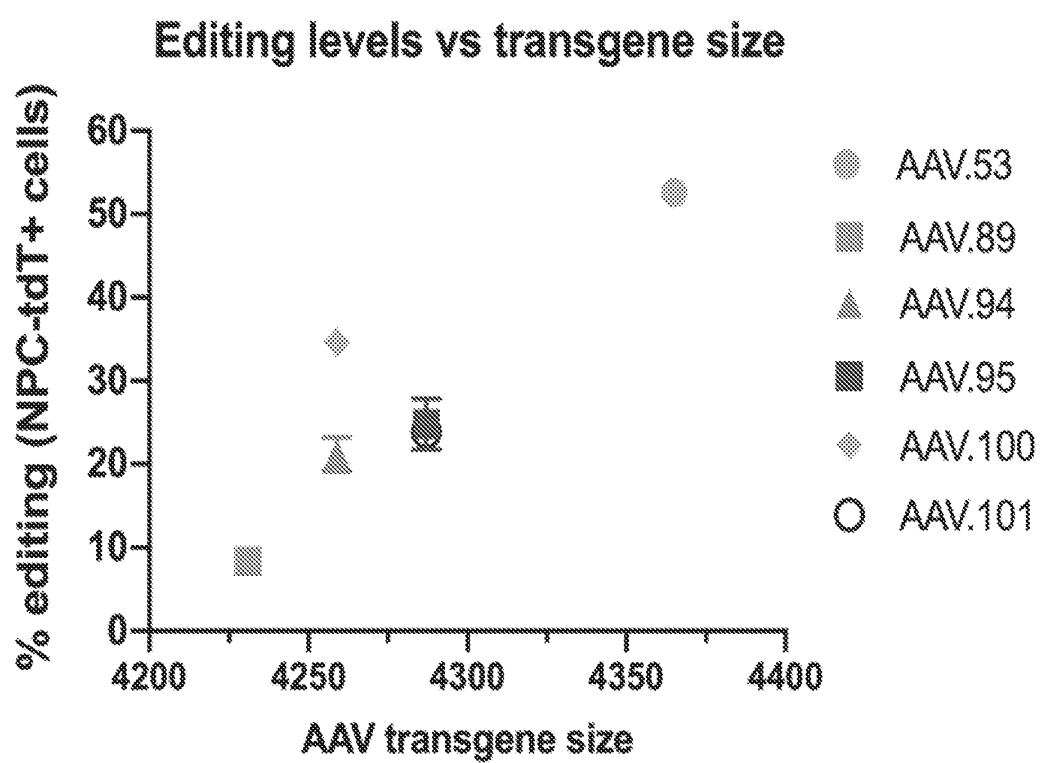


FIG. 21

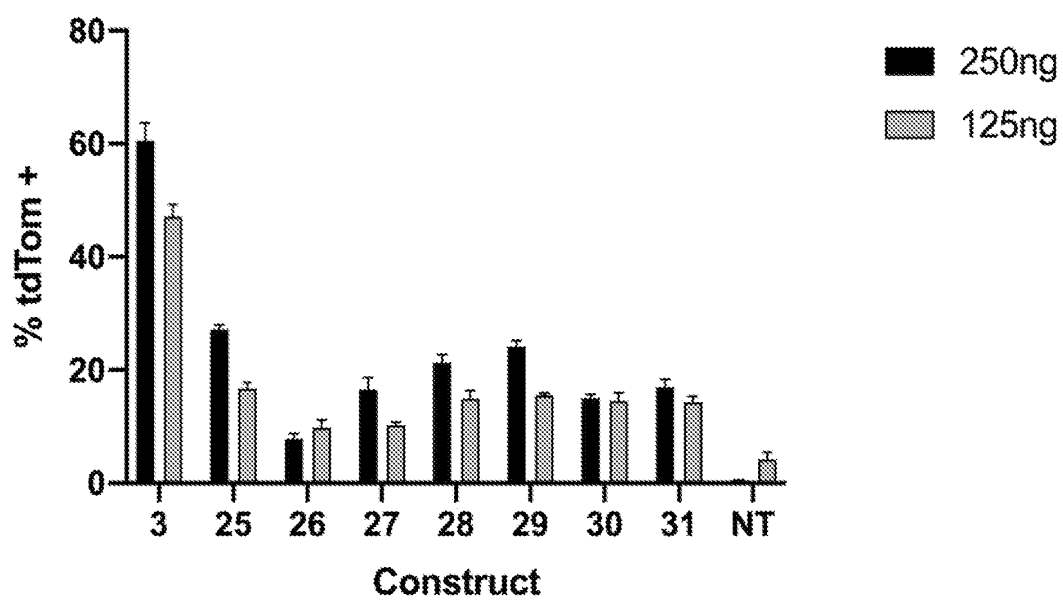


FIG. 22

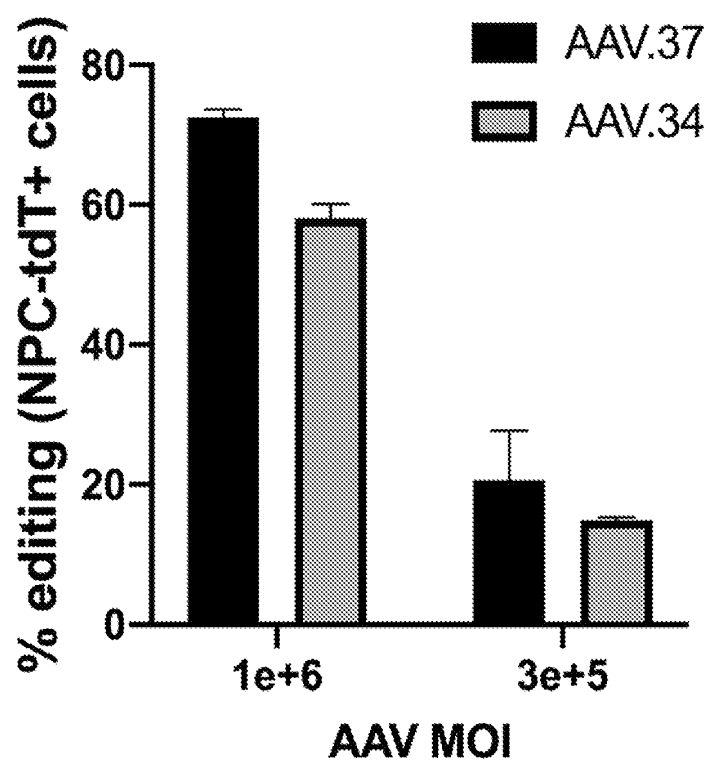


FIG. 23

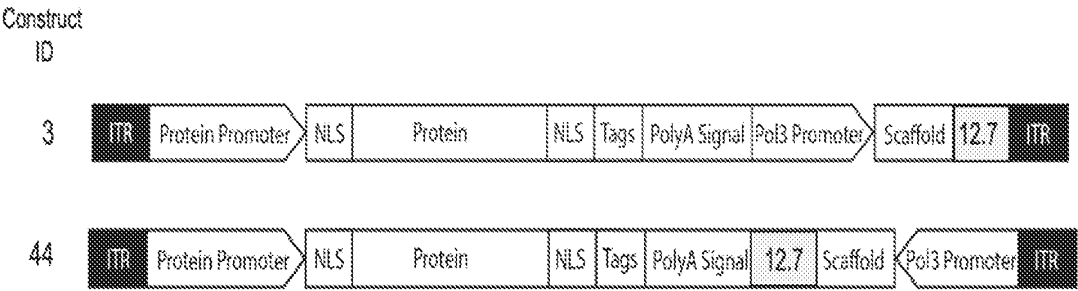


FIG. 24

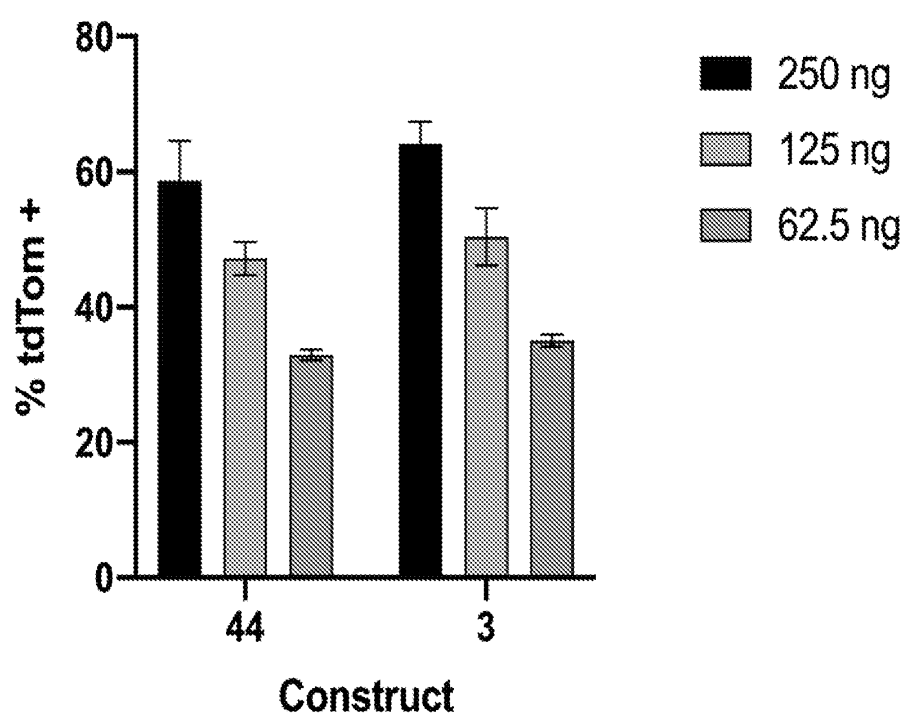


FIG. 25

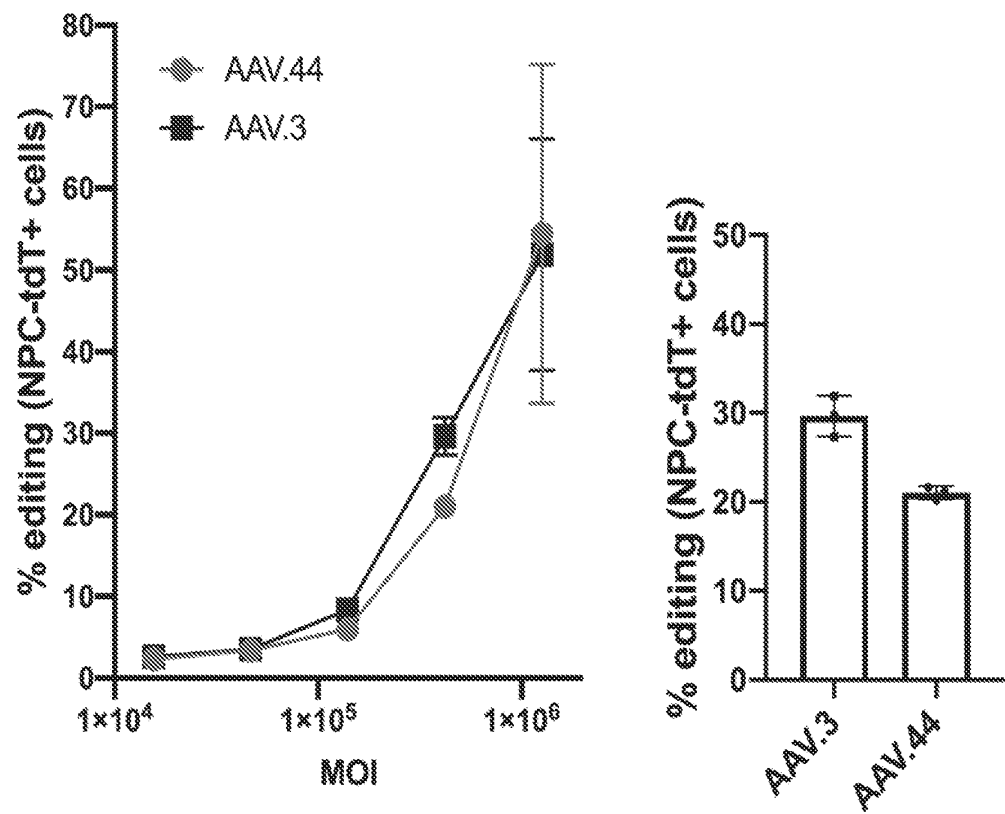


FIG. 26

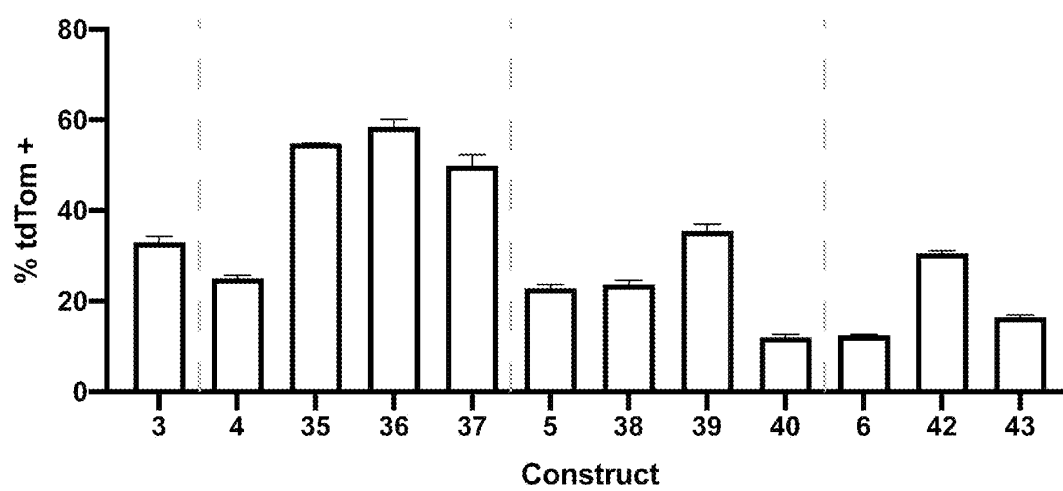


FIG. 27

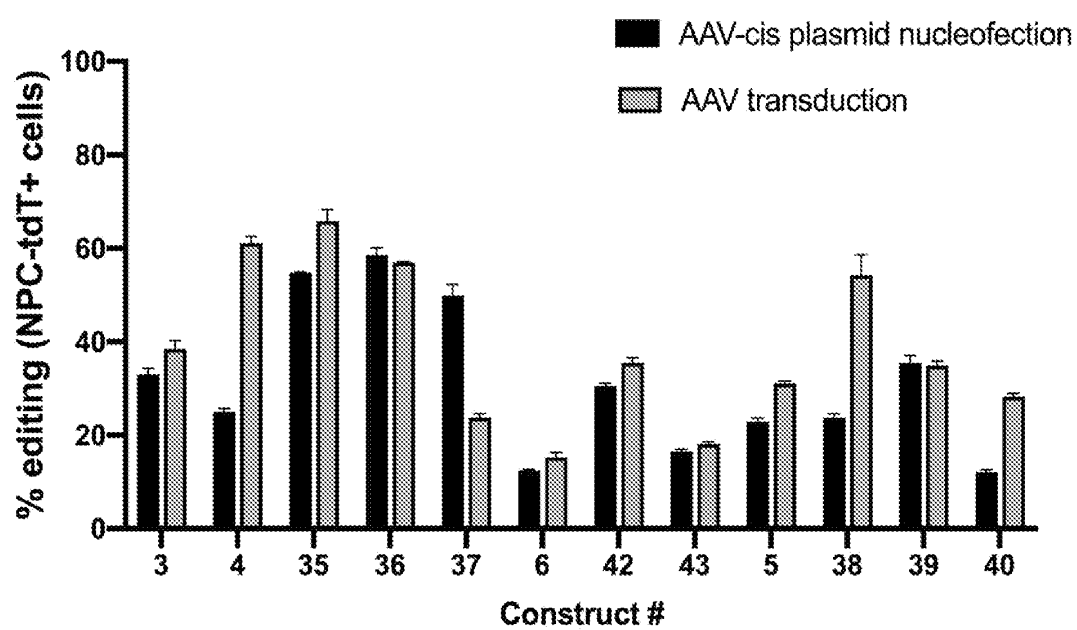
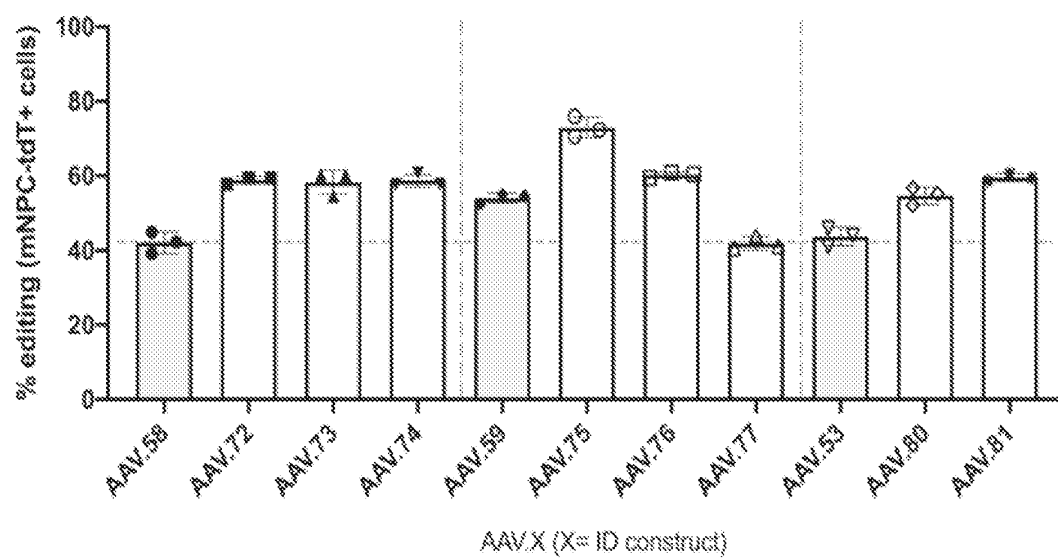


FIG. 28

**FIG. 29**

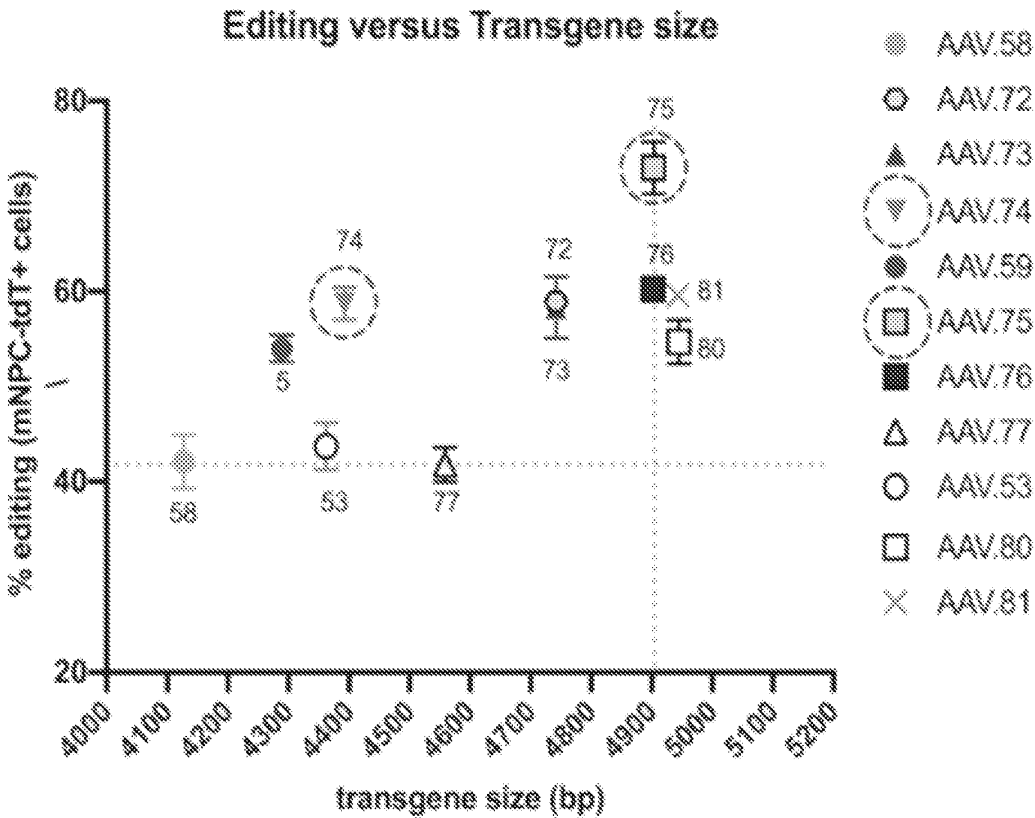


FIG. 30

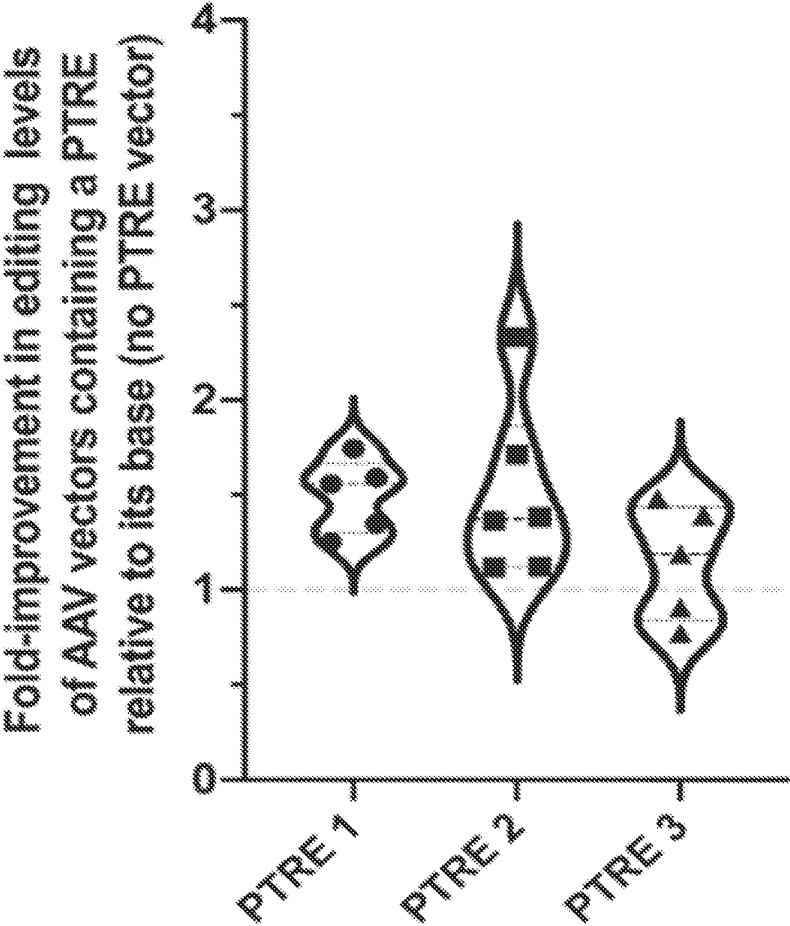


FIG. 31

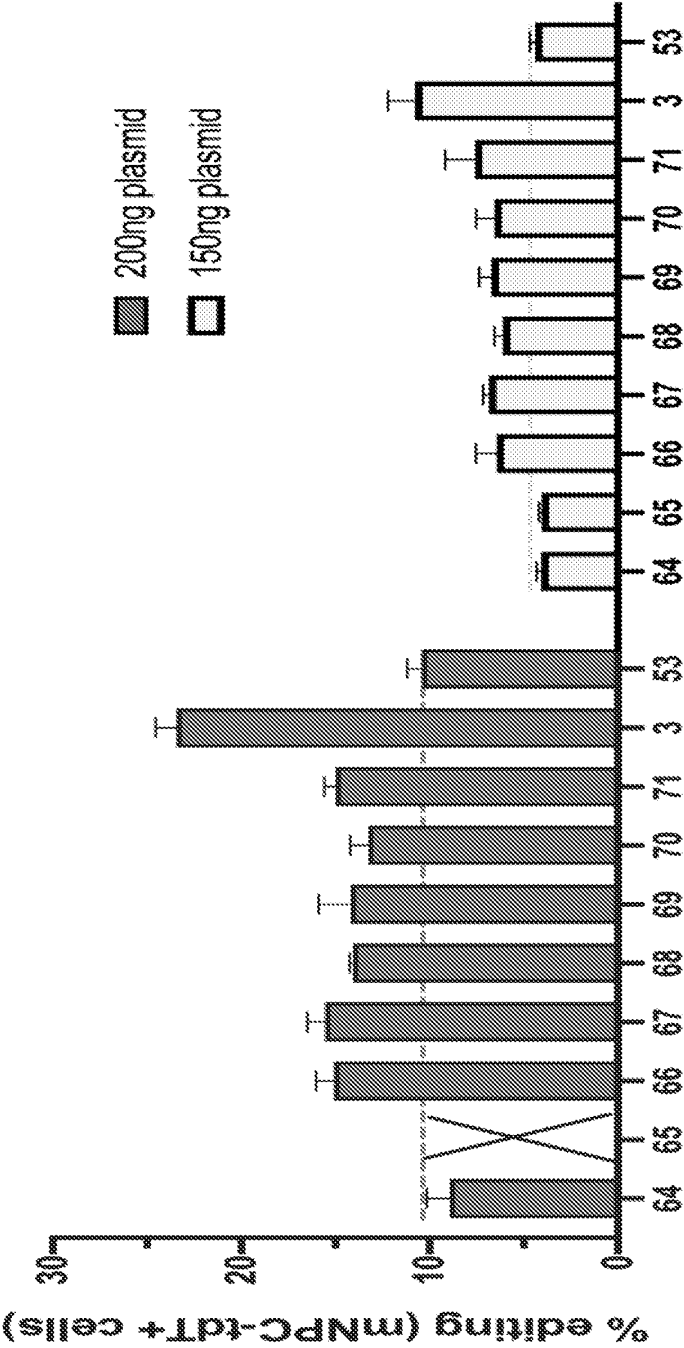


FIG. 32

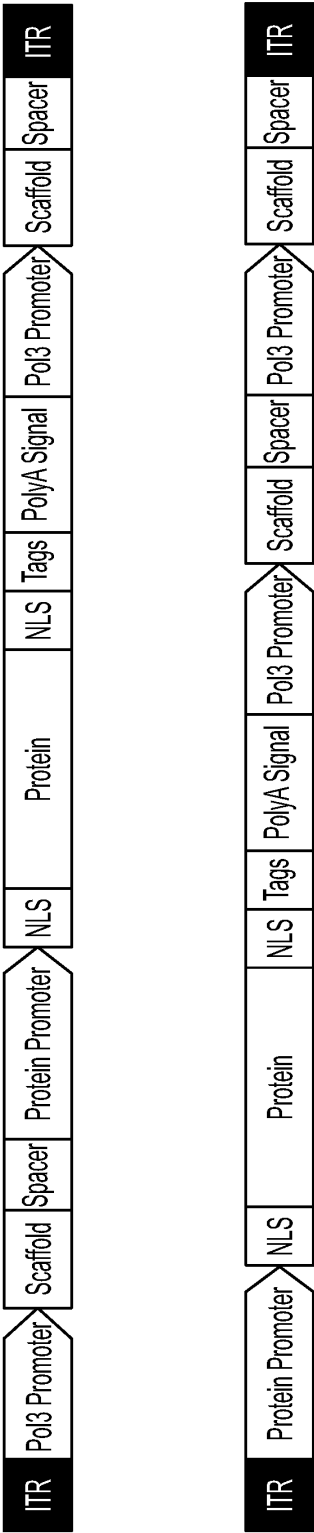


FIG. 33

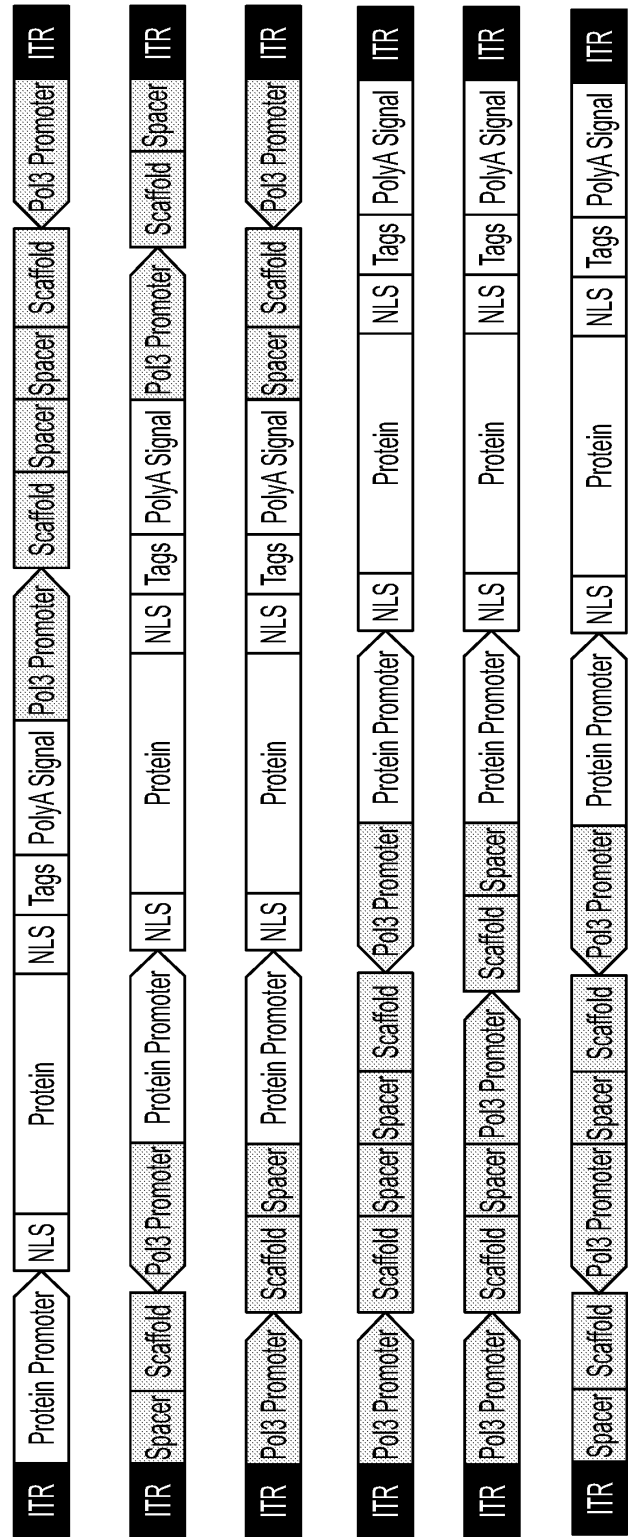


FIG. 34

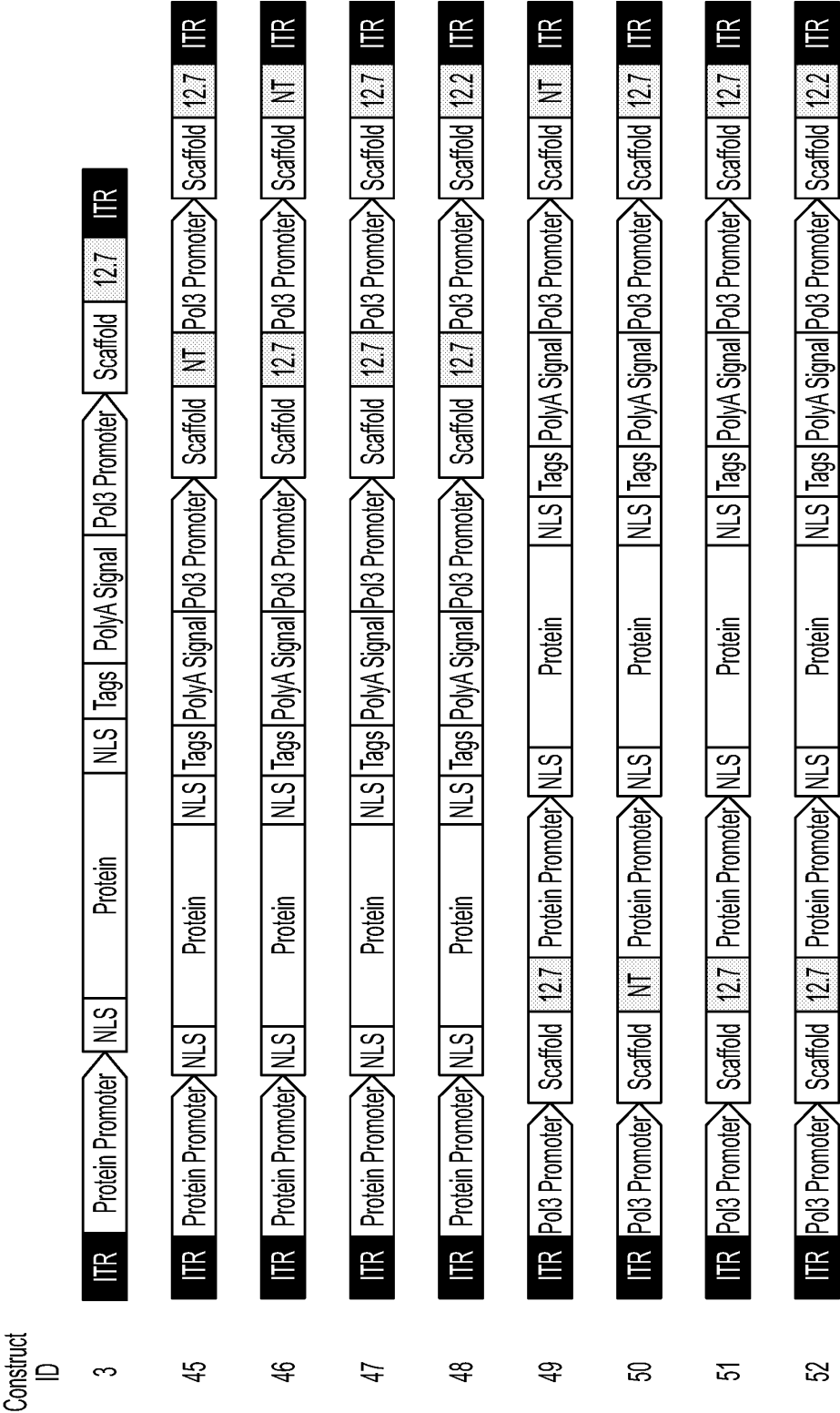


FIG. 35

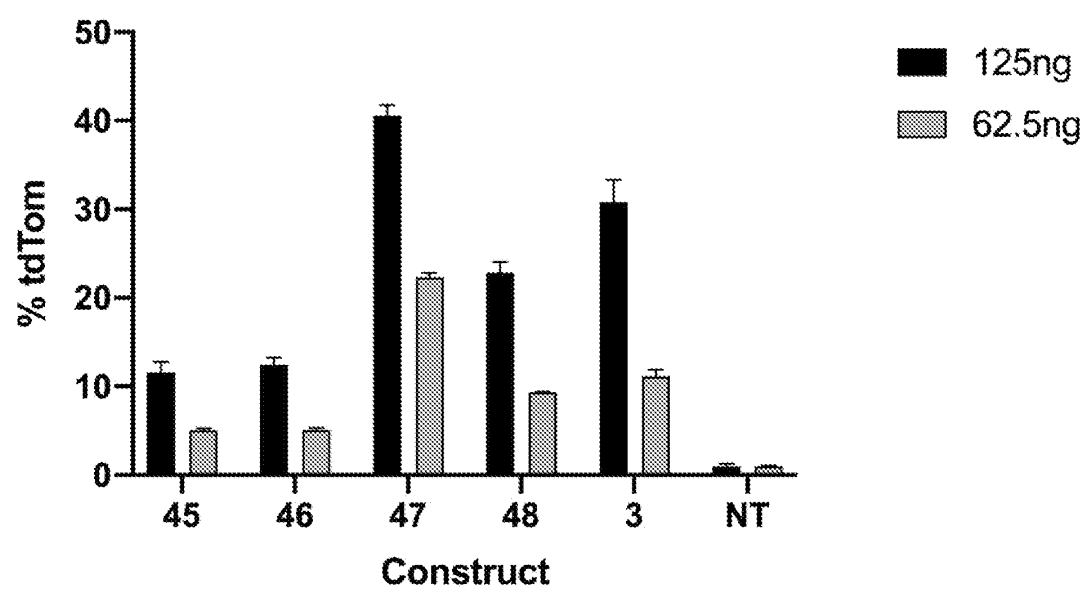


FIG. 36

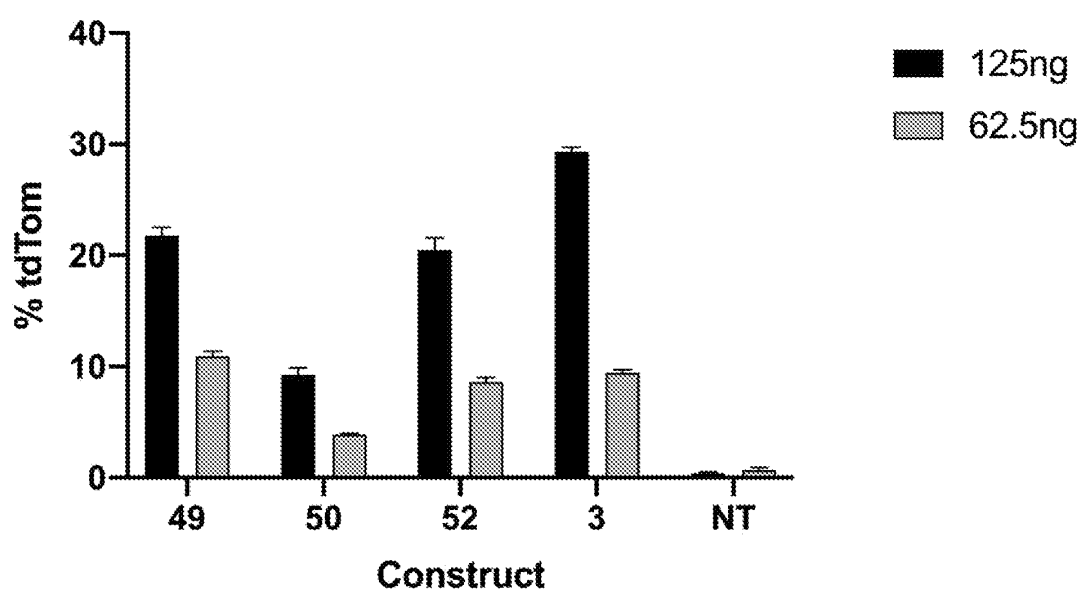


FIG. 37

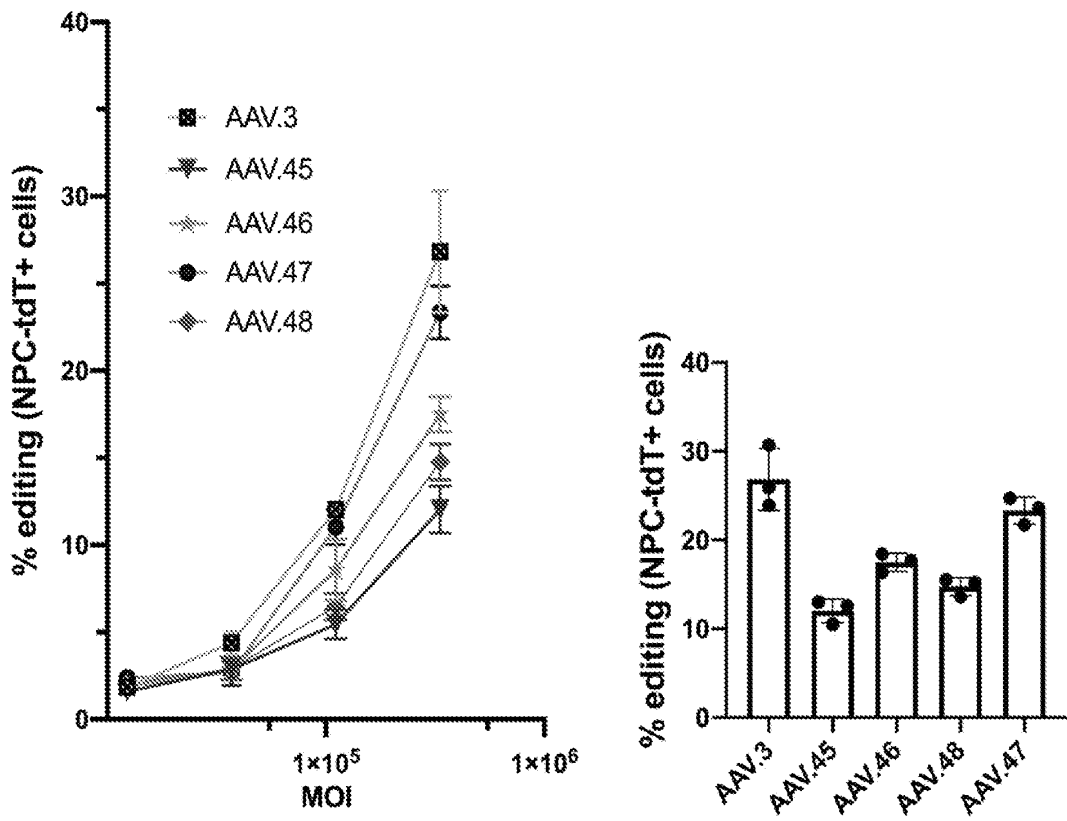


FIG. 38

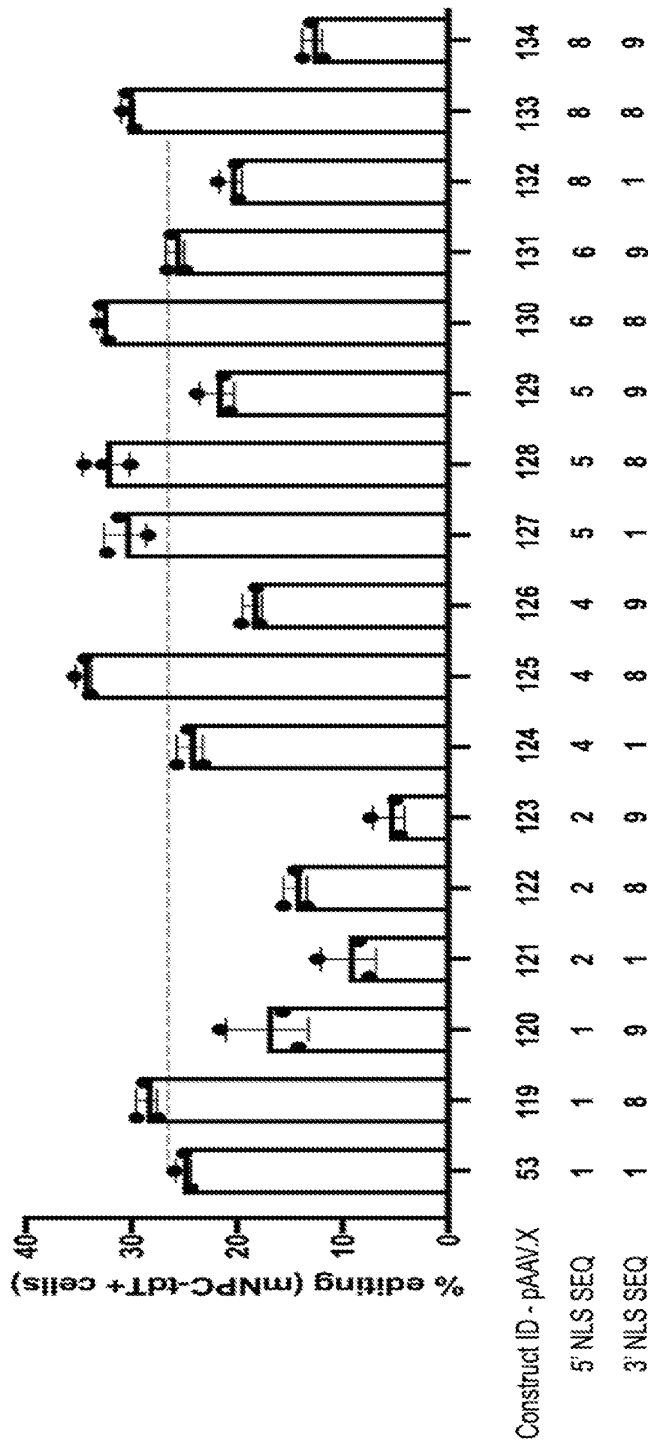


FIG. 39

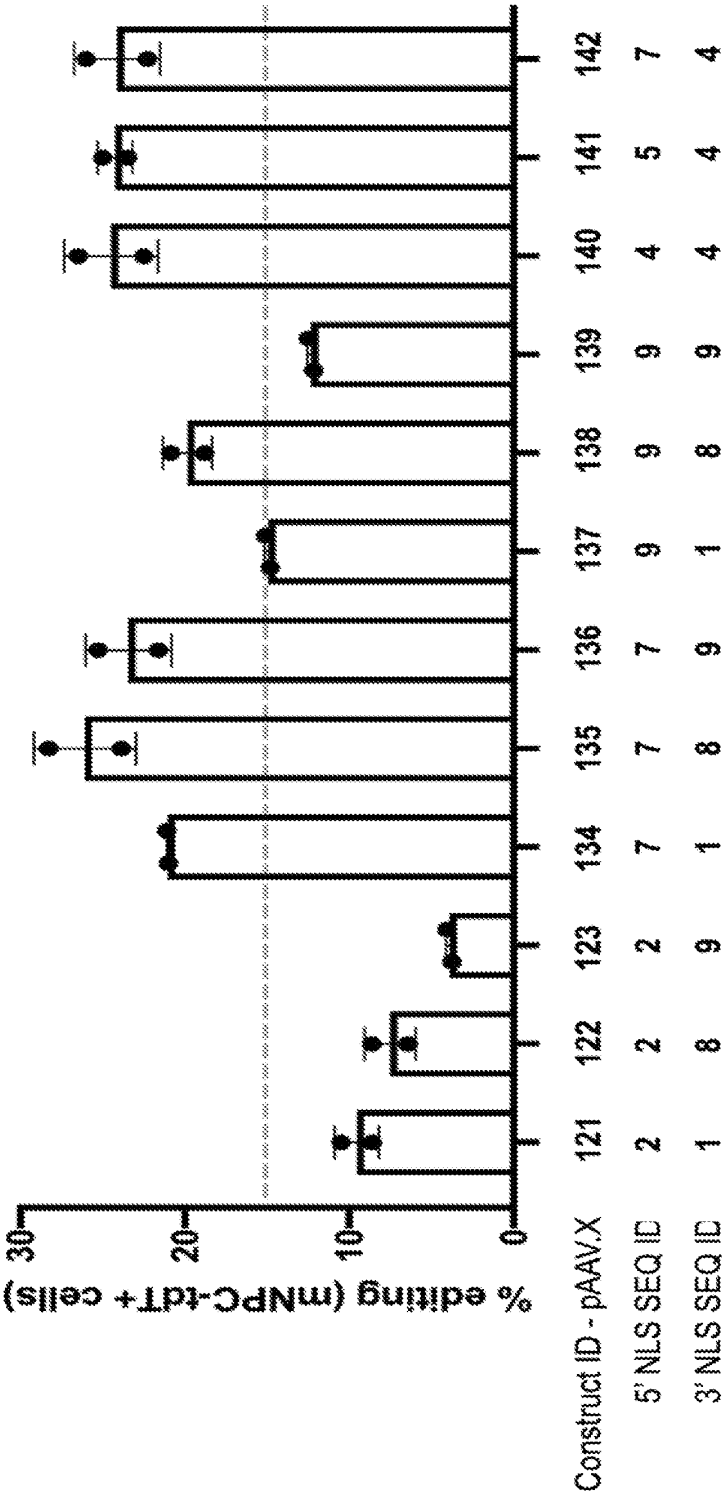


FIG. 40

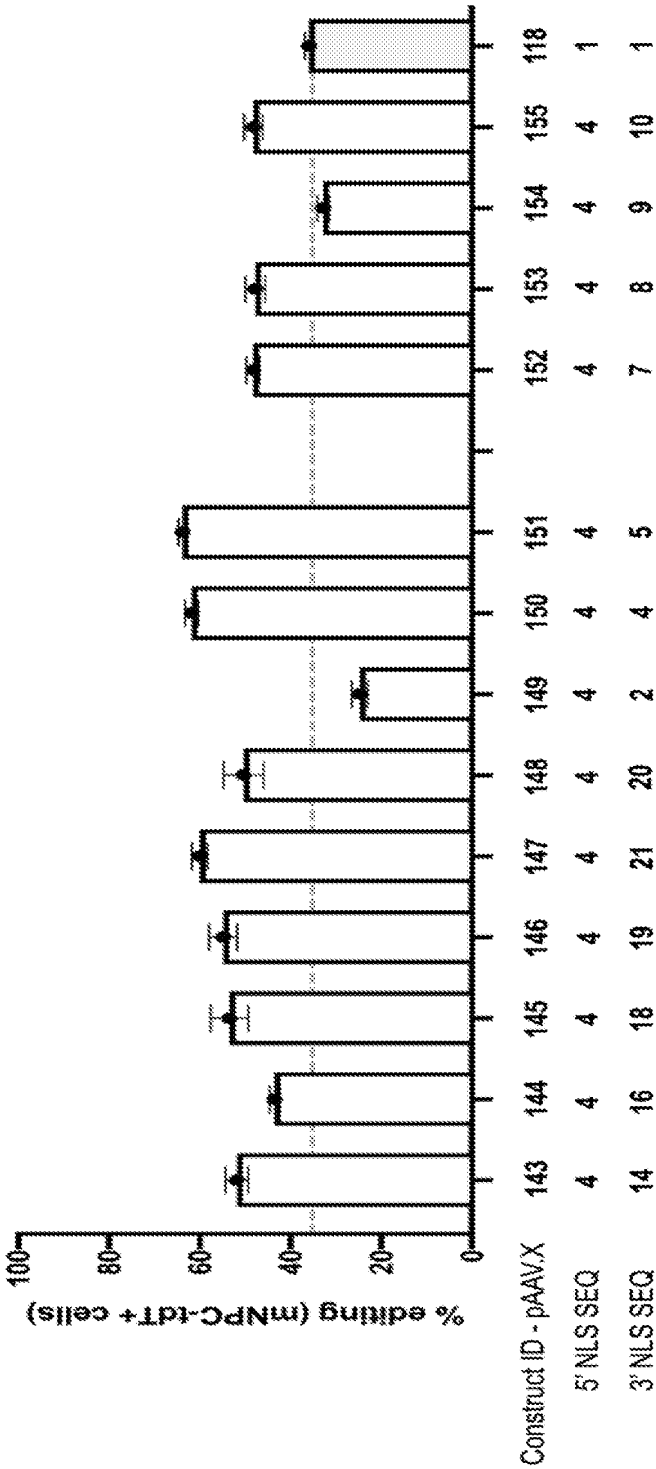
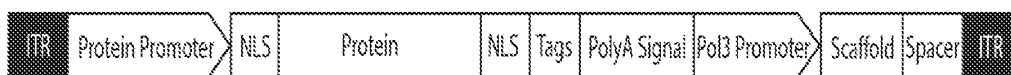
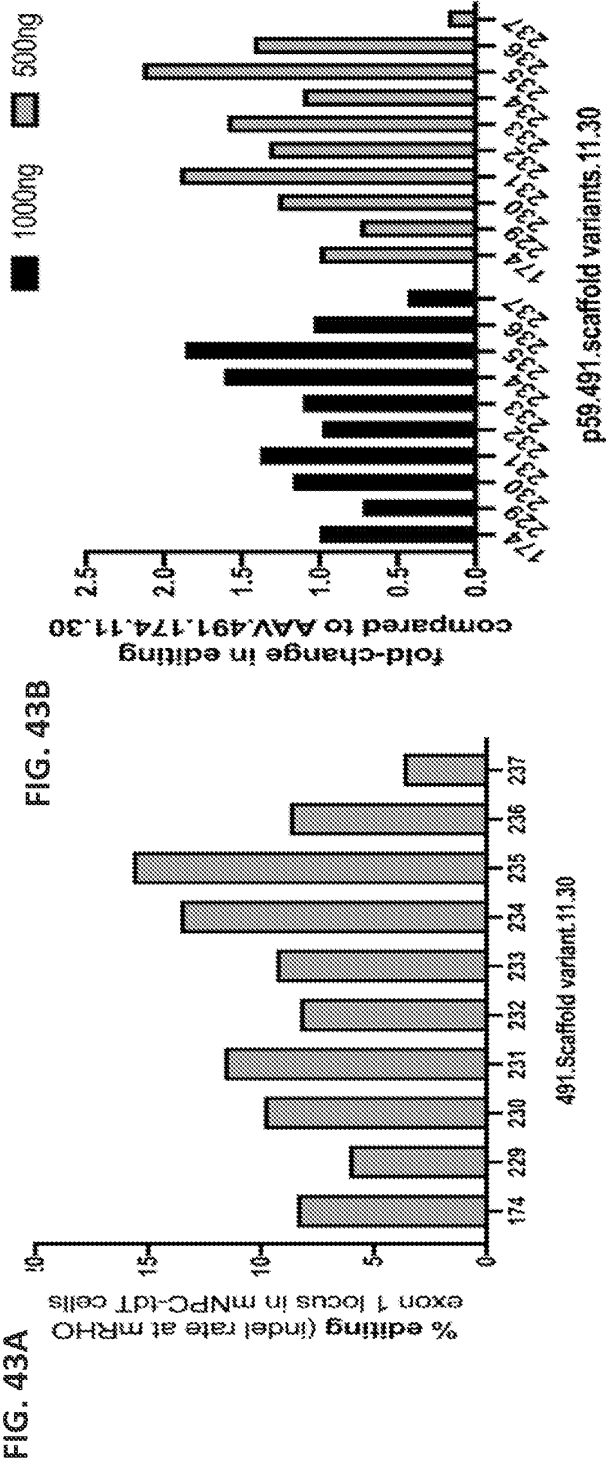


FIG. 41

**FIG. 42**



ARPE-19, hRHO exon 1 locus

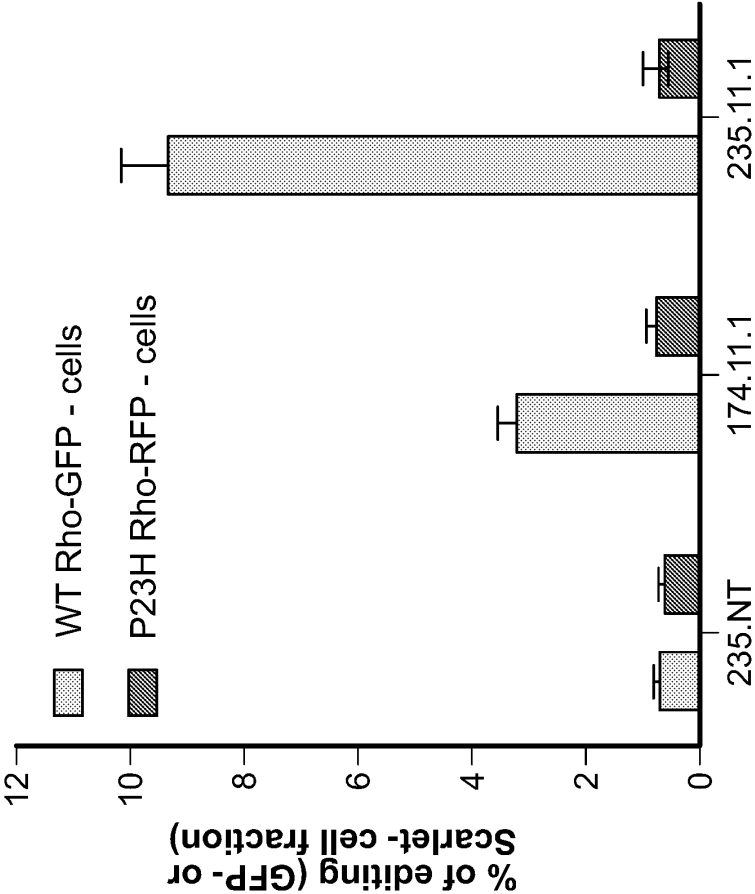


FIG. 44A

p59.491.scaffold variants.11.1

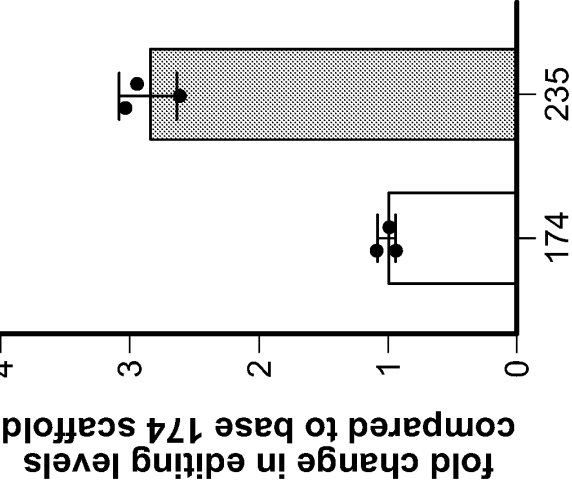


FIG. 44B

p59.491.scaffold variants.11.1

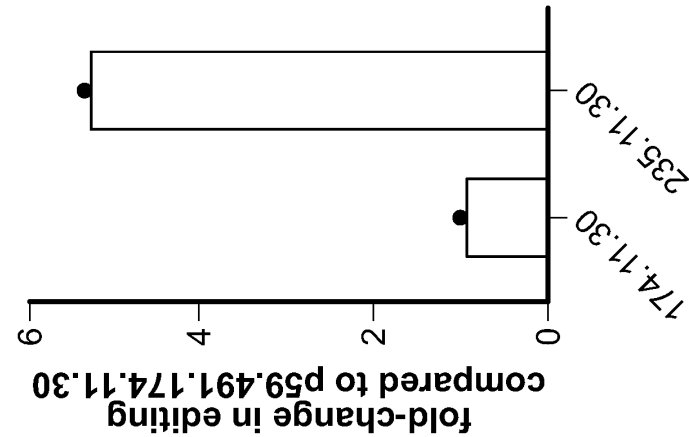


FIG. 45B

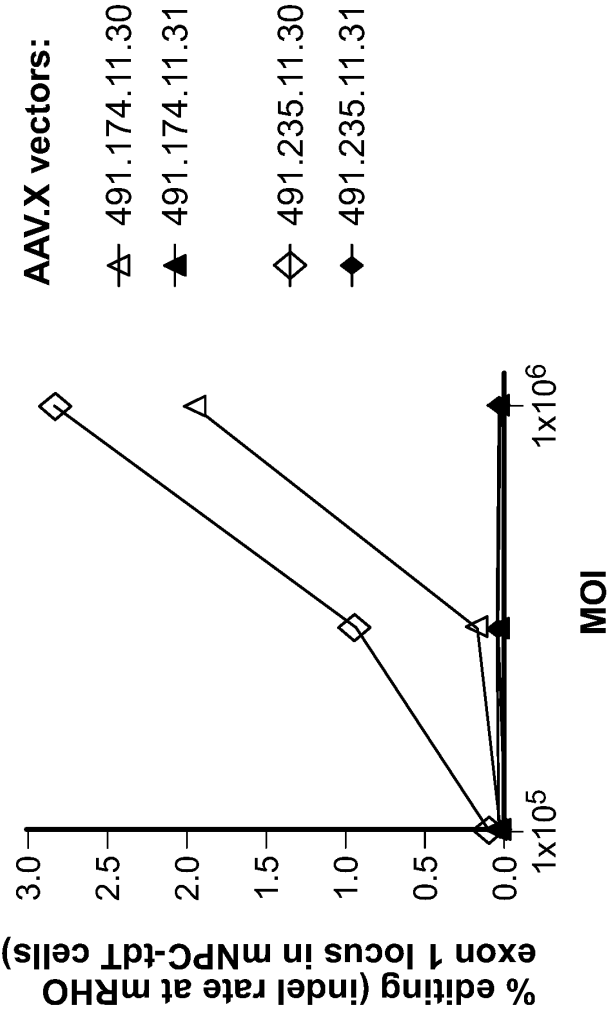


FIG. 45A

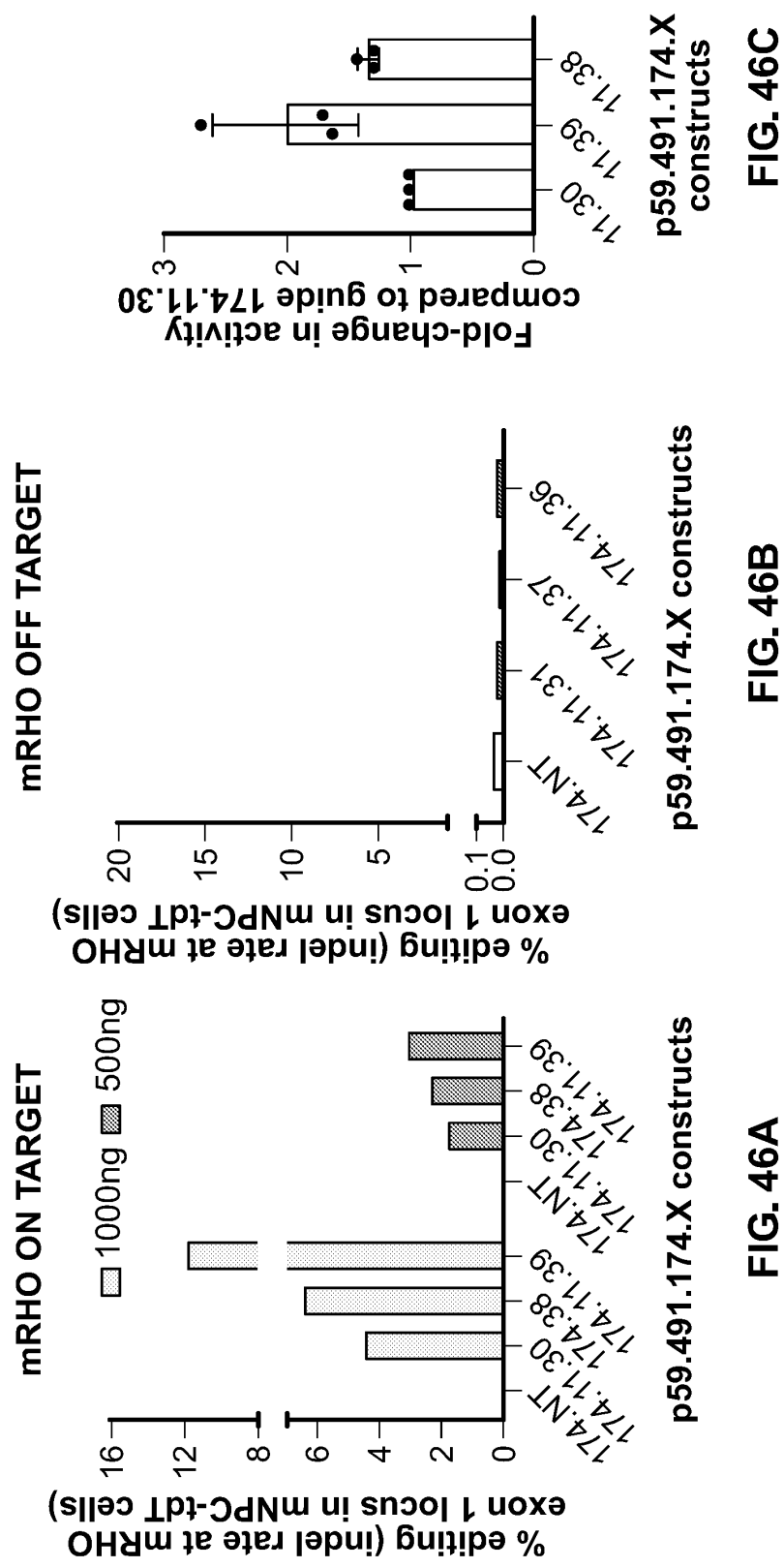


FIG. 46C

FIG. 46B

FIG. 46A

FIG. 47A

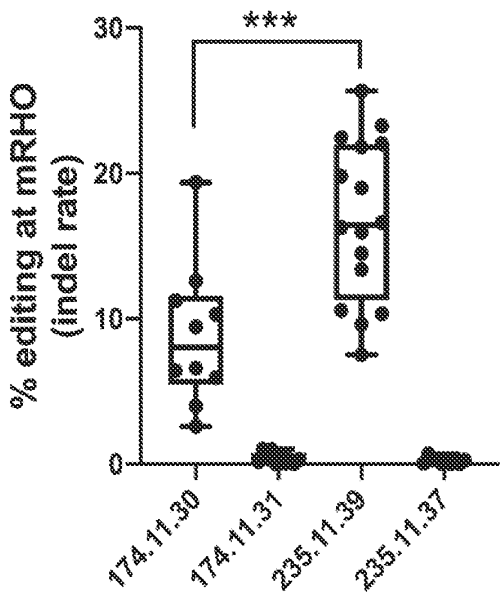


FIG. 47B

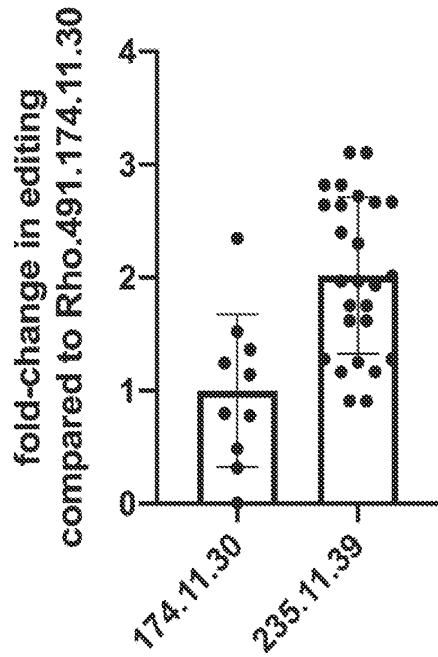
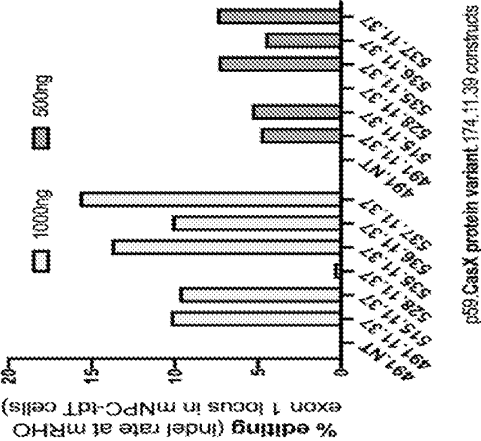
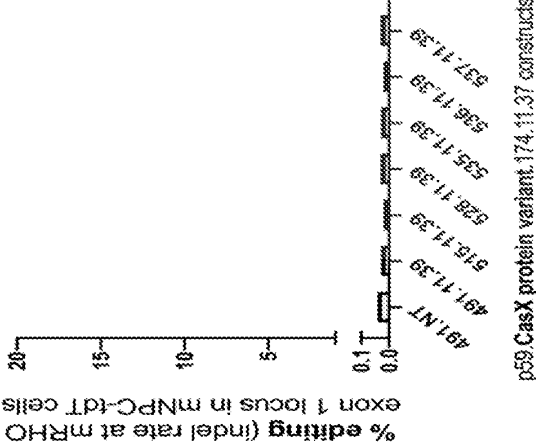


FIG. 48A mRHO ON TARGET



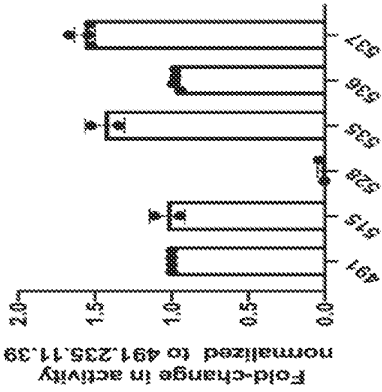
p59 CasX protein variant 174,11.39 constructs

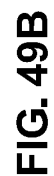
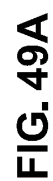
FIG. 48B mRHO OFF TARGET



p59 CasX protein variant 174,11.39 constructs

FIG. 48C





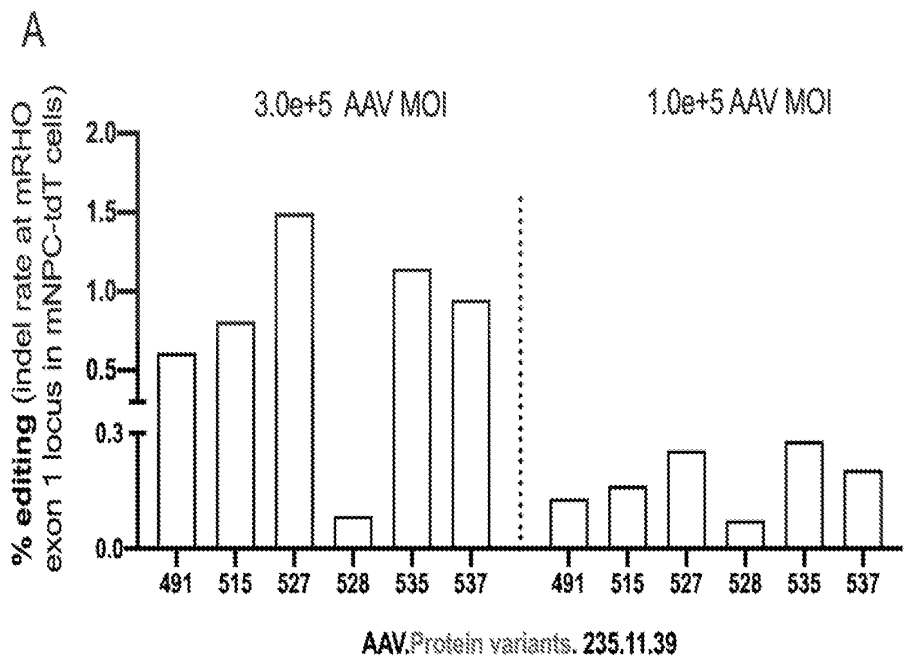


FIG. 50A

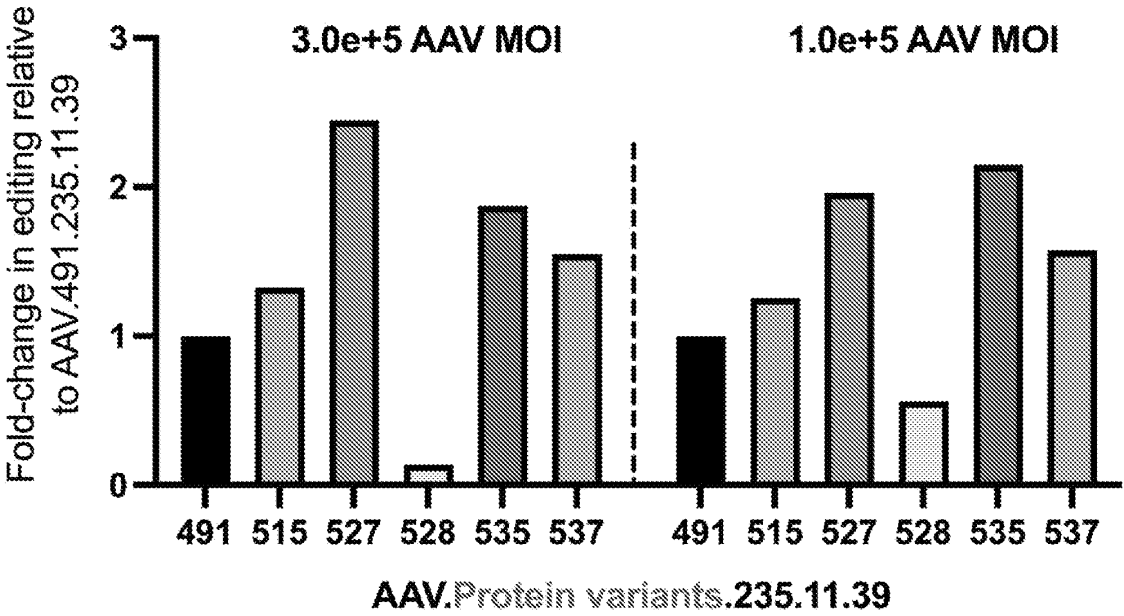


FIG. 50B

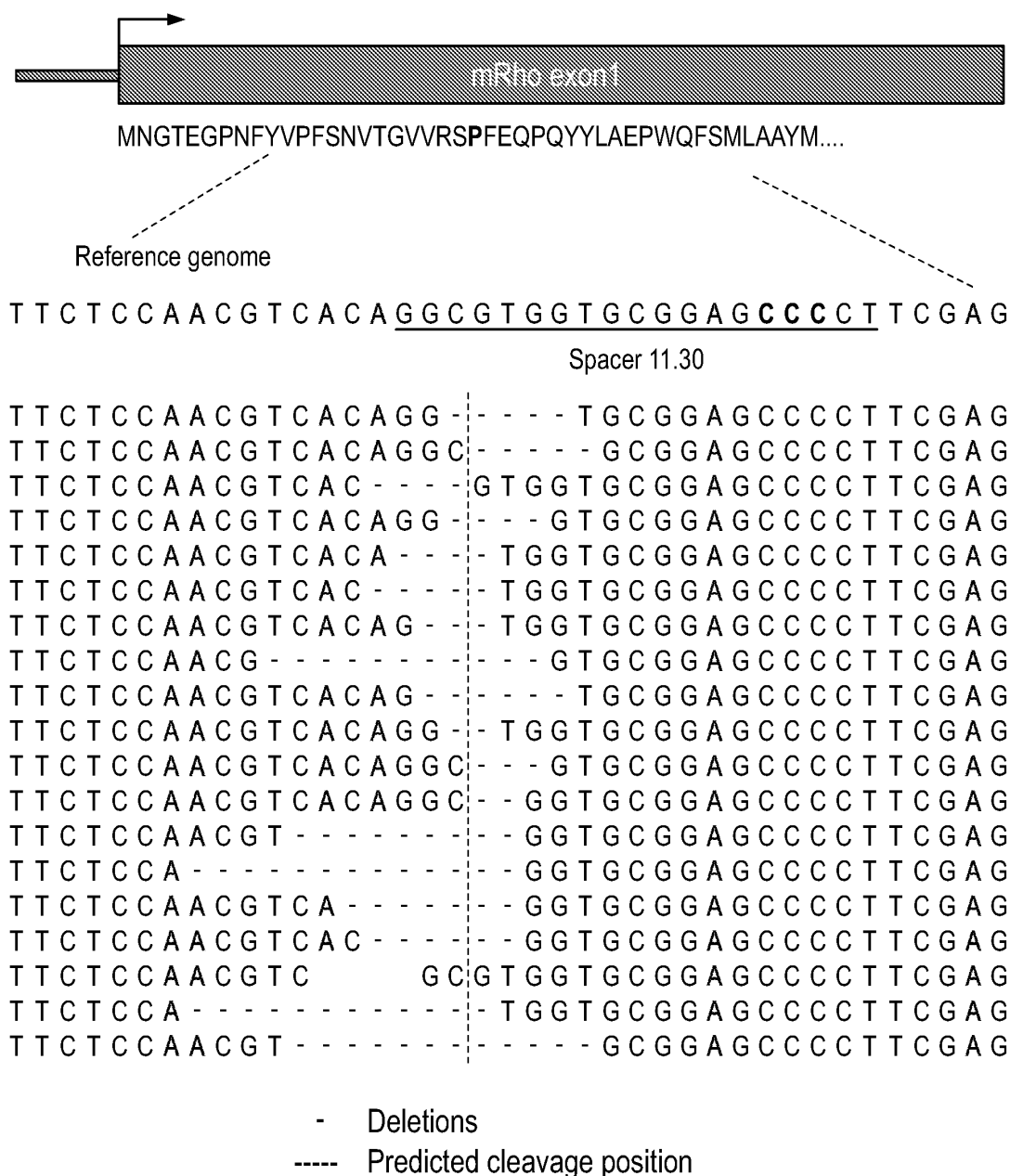


FIG. 51

FIG. 52A

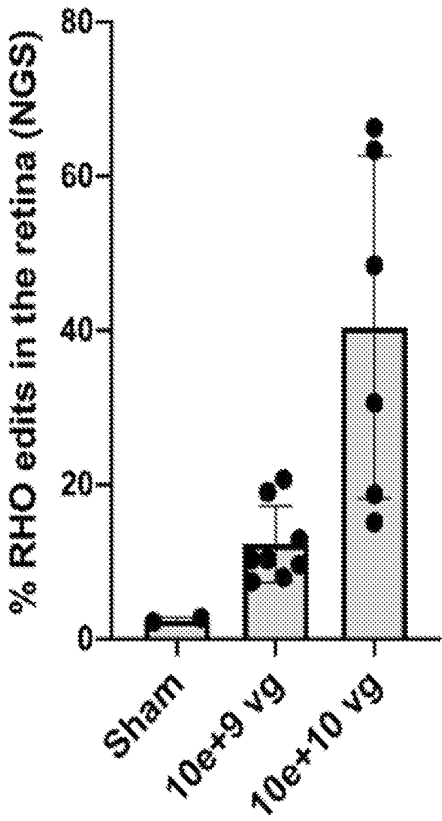
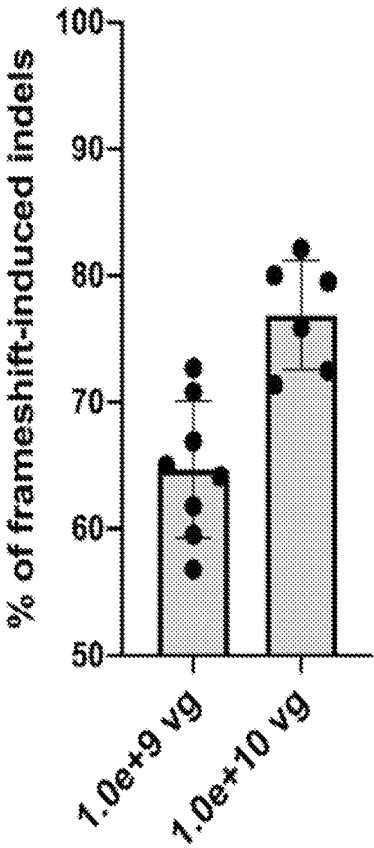


FIG. 52B



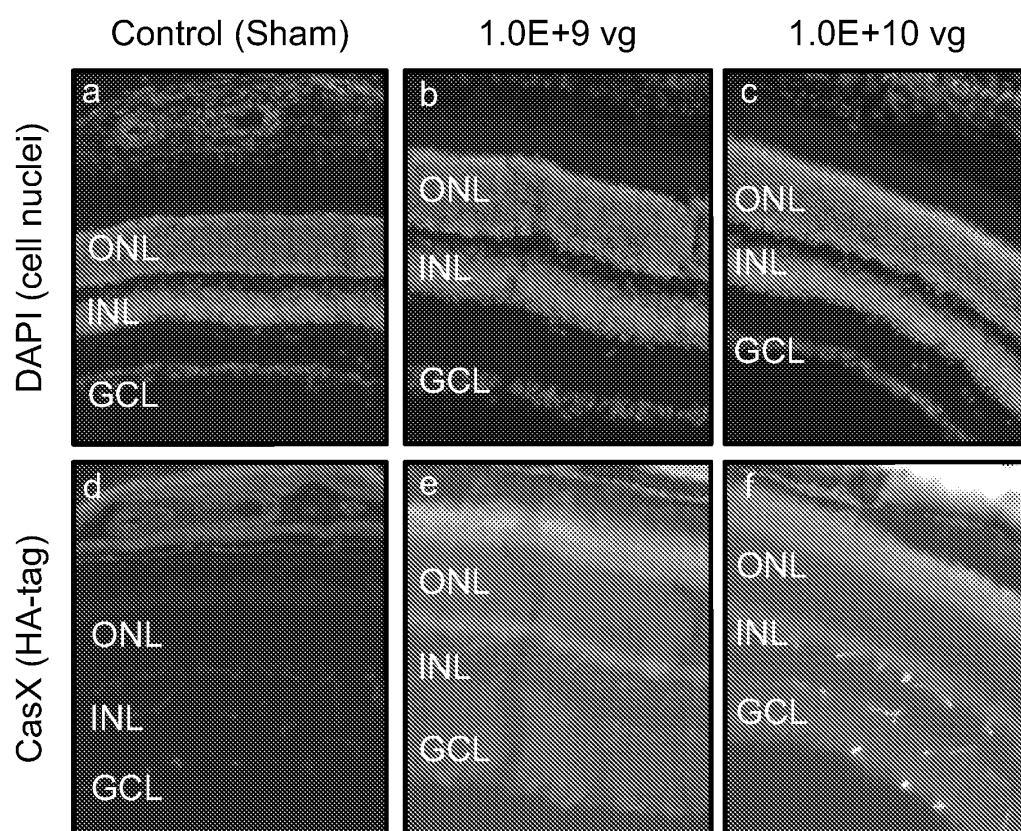
**FIG. 53**

FIG. 54A

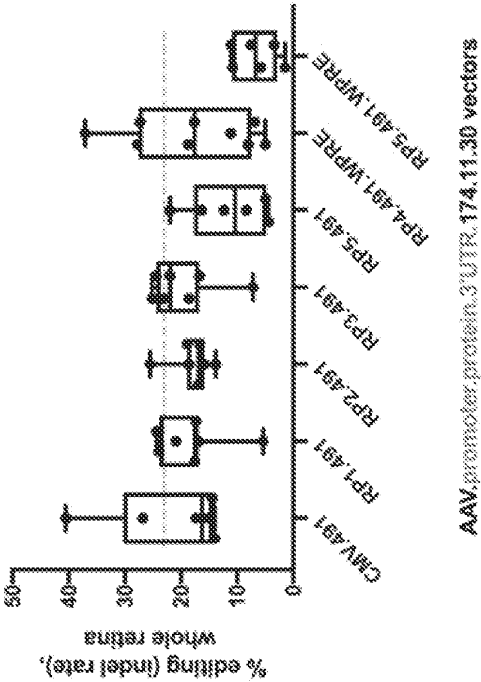
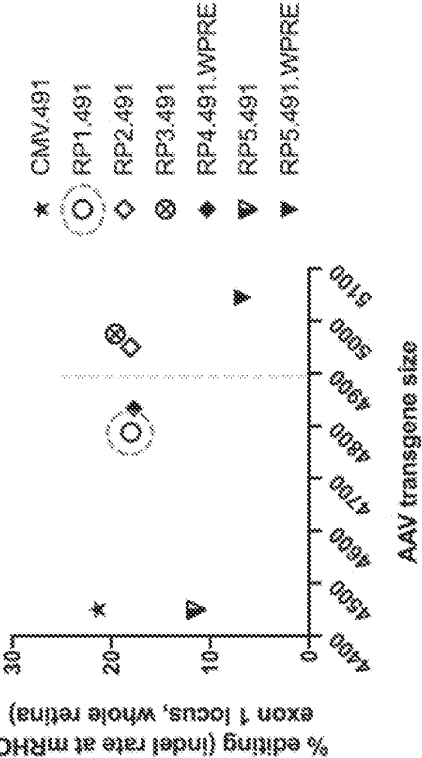


FIG. 54B



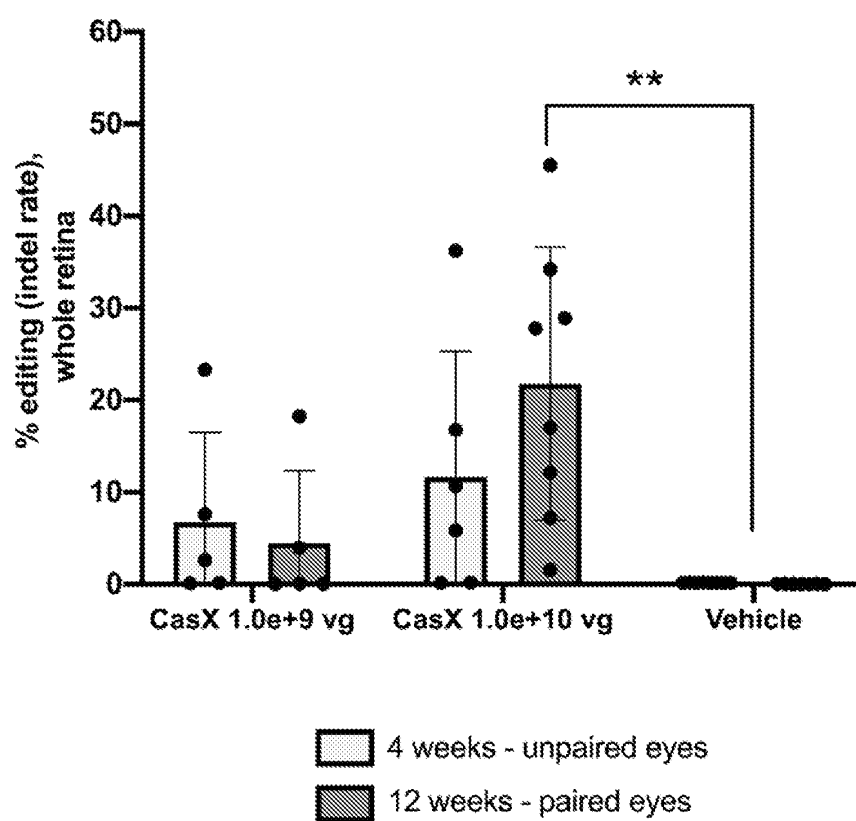


FIG. 55

FIG. 56A

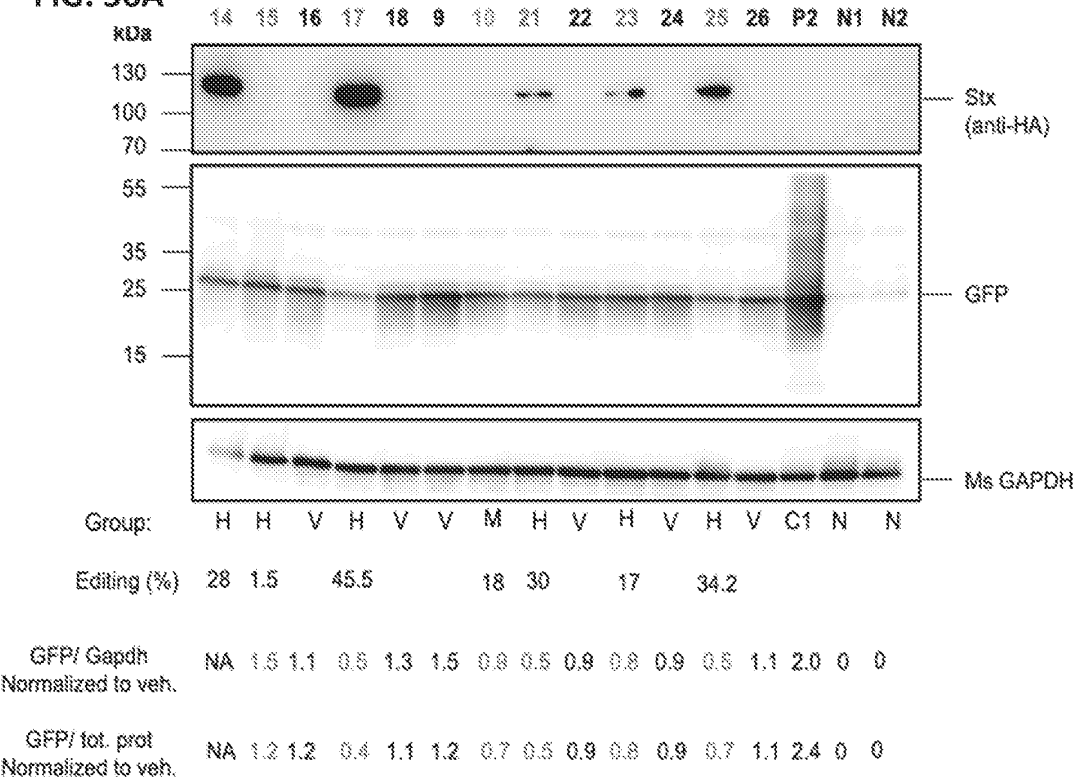


FIG. 56B

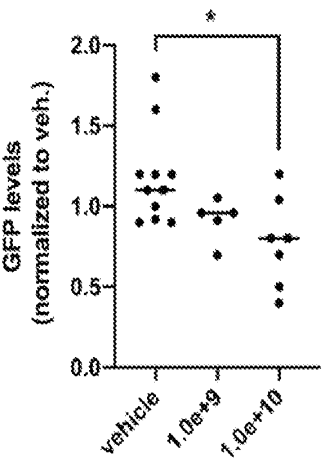


FIG. 56C

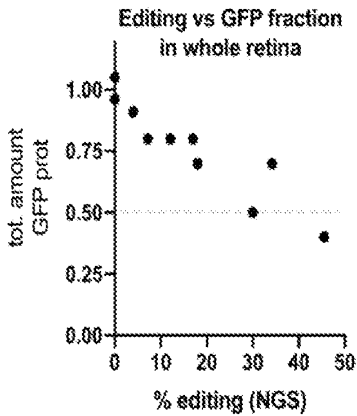


FIG. 57A

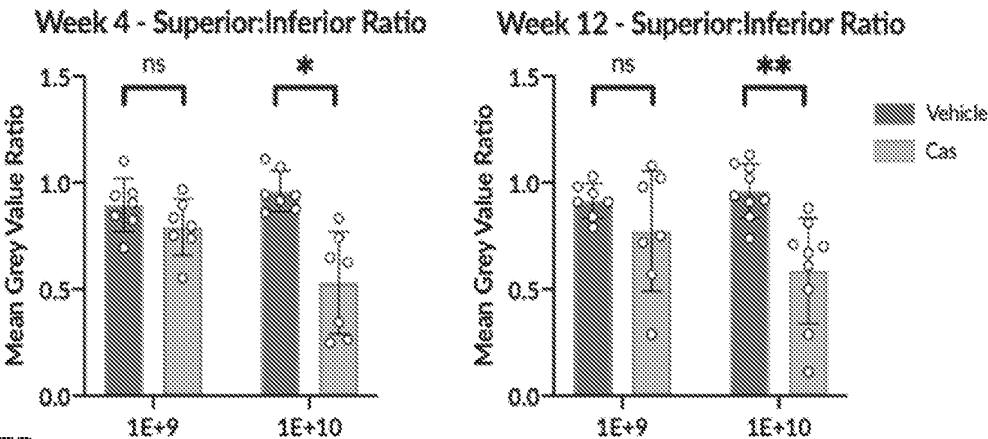
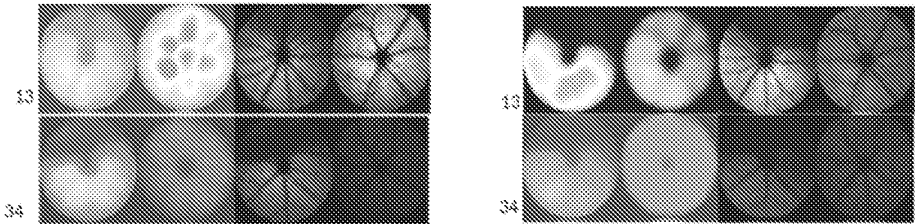


FIG. 57B



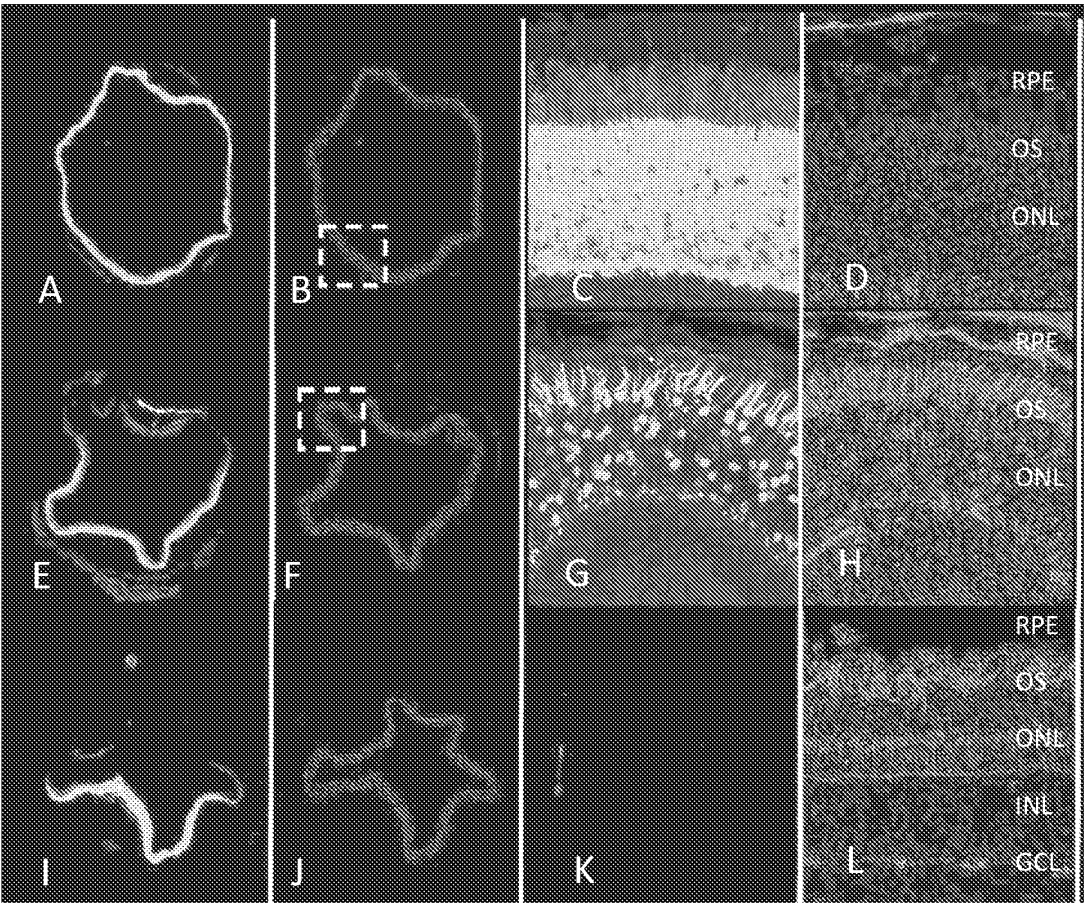


FIG. 58

FIG. 59A

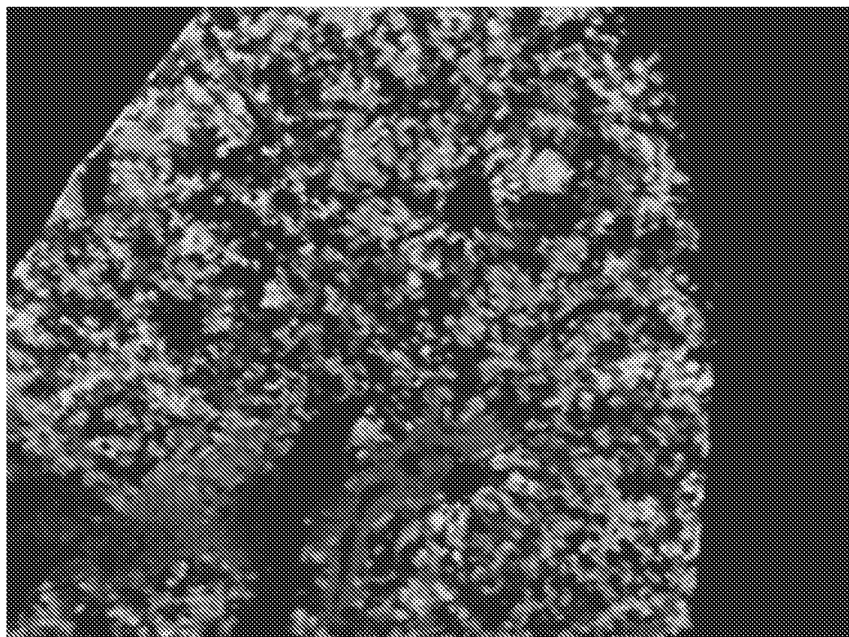


FIG. 59B



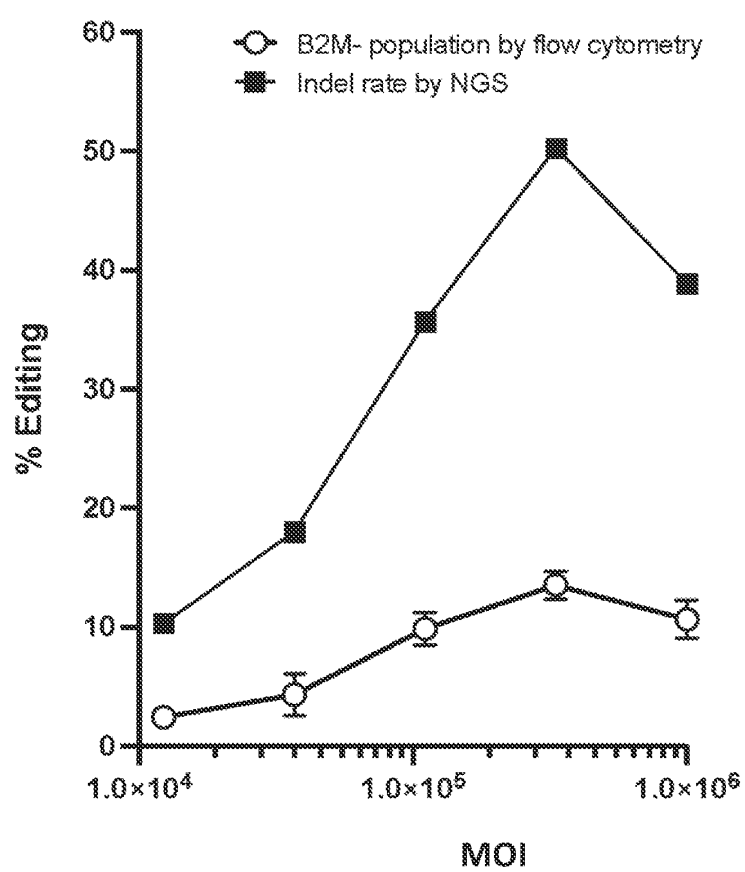


FIG. 60

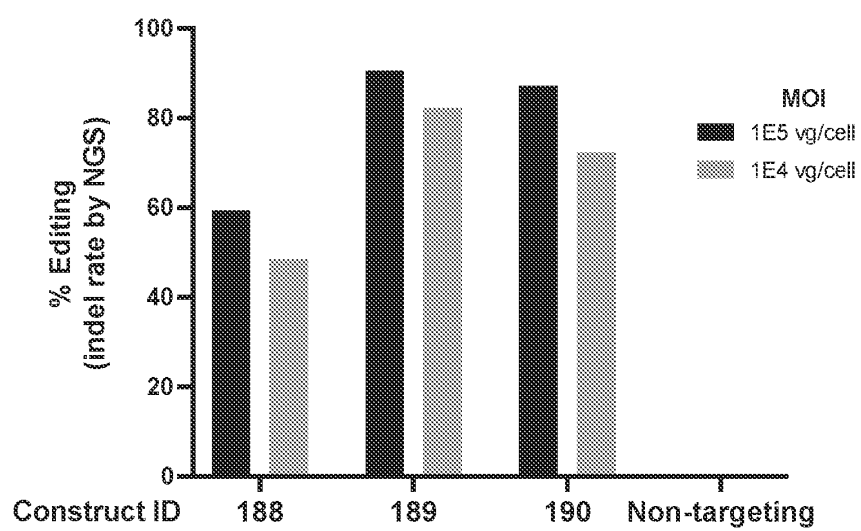


FIG. 61

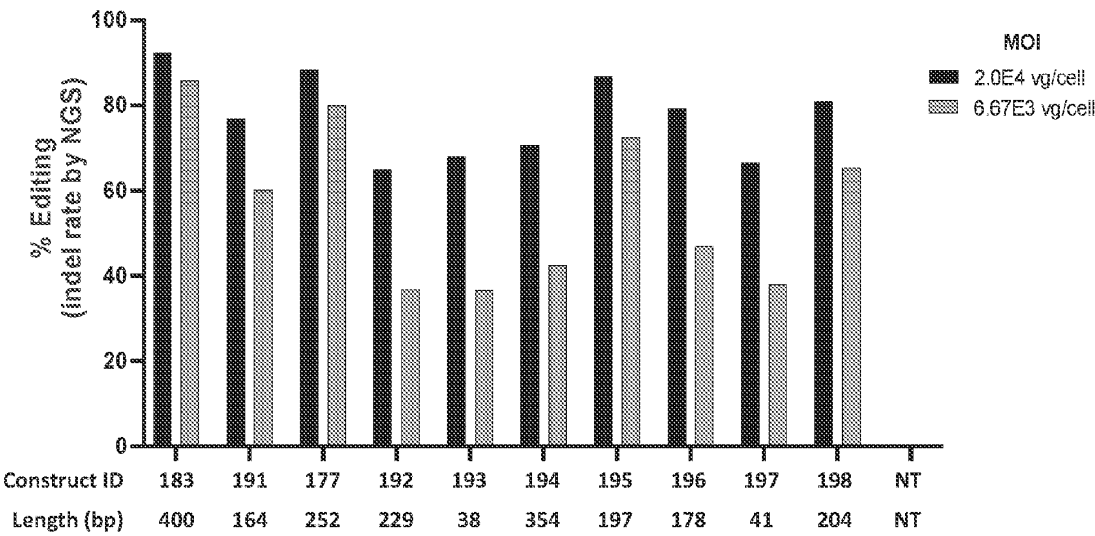


FIG. 62

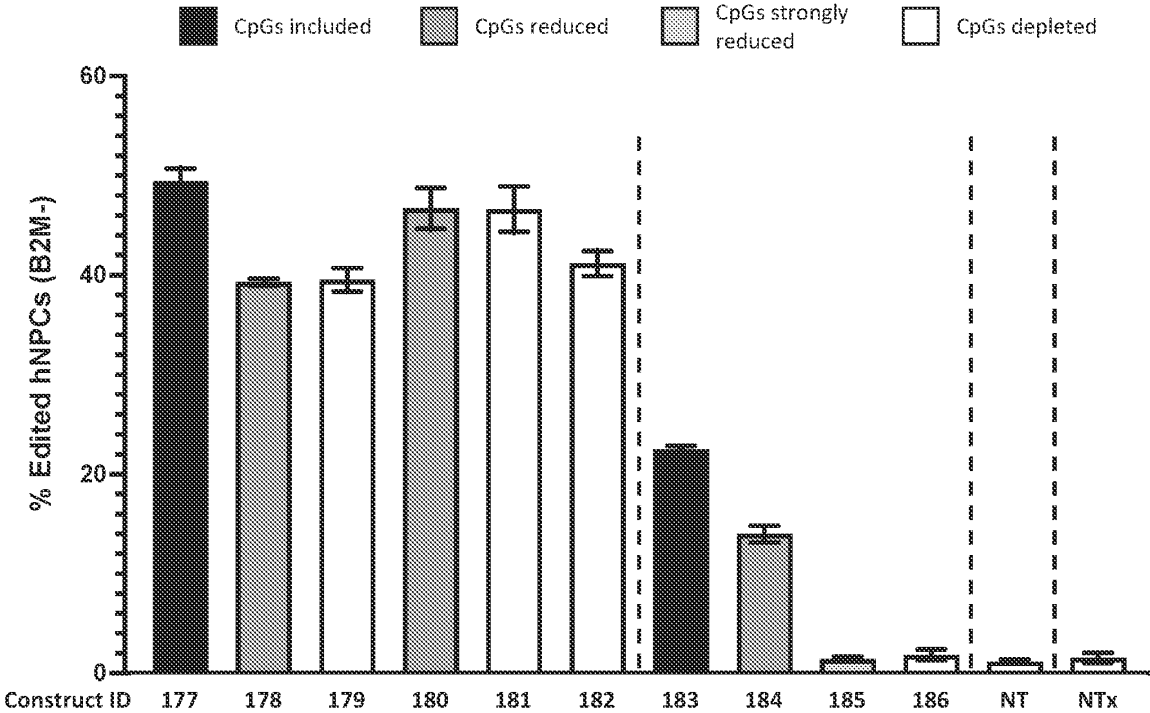


FIG. 63

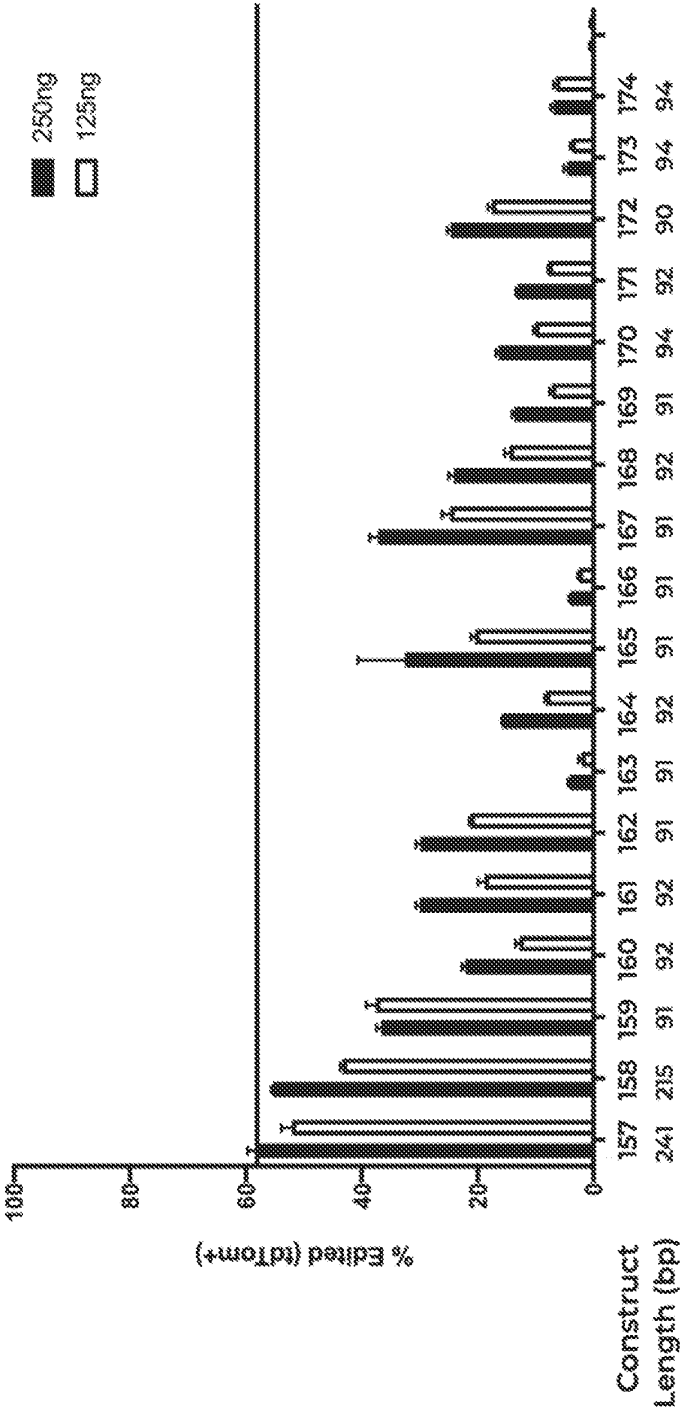


FIG. 64

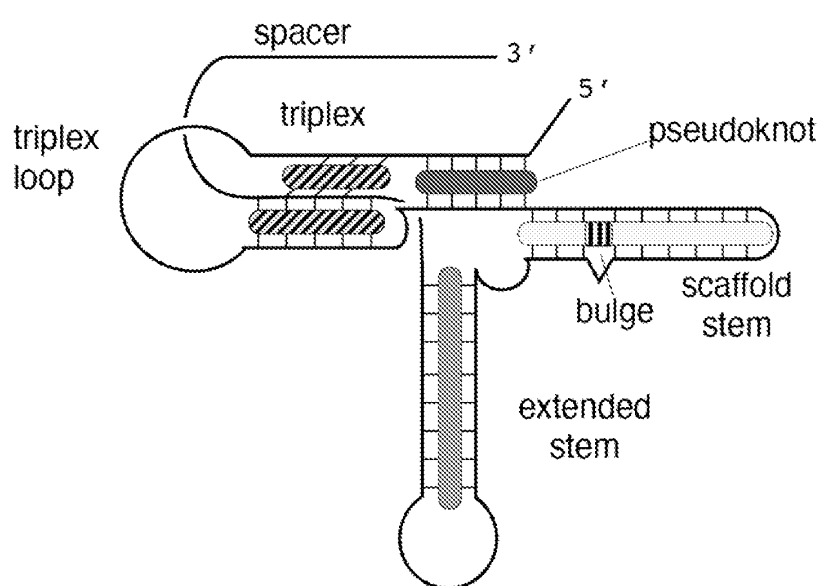


FIG. 65

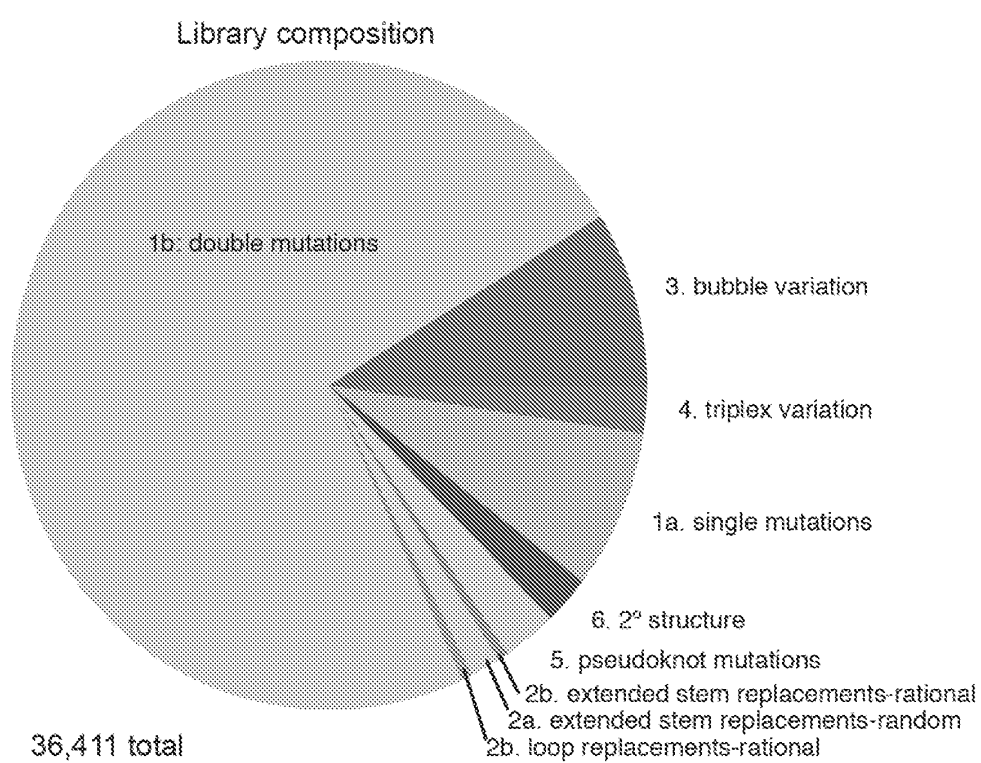


FIG. 66

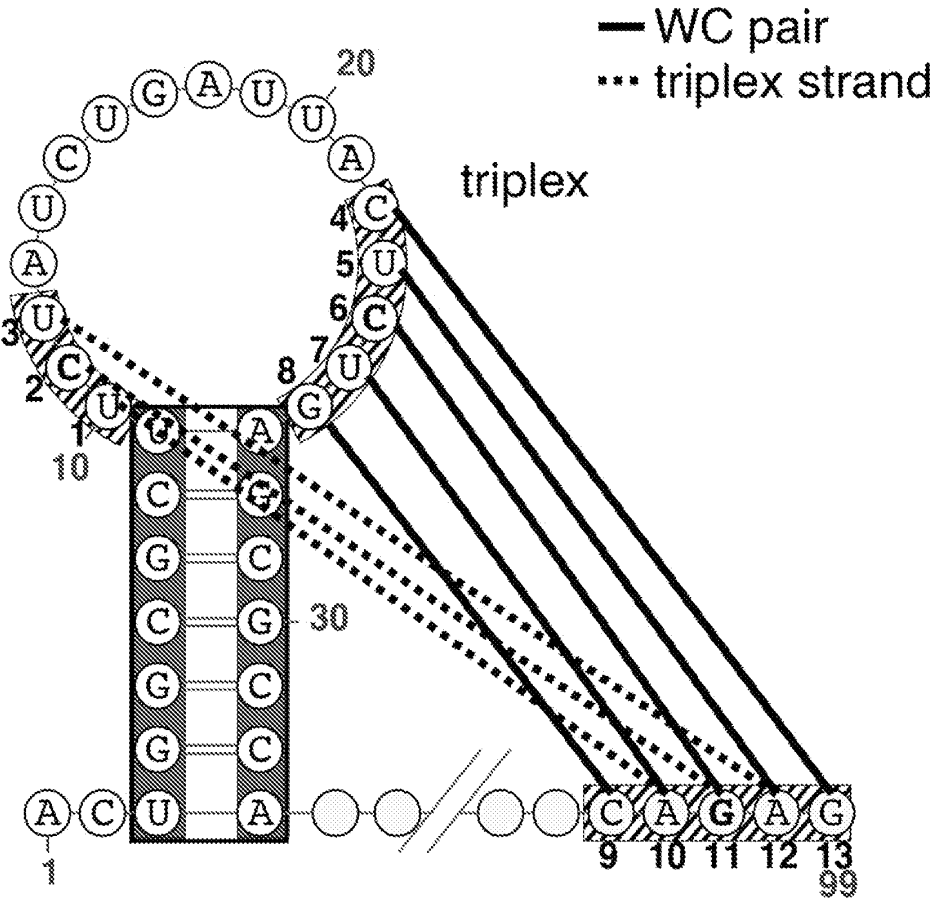


FIG. 67

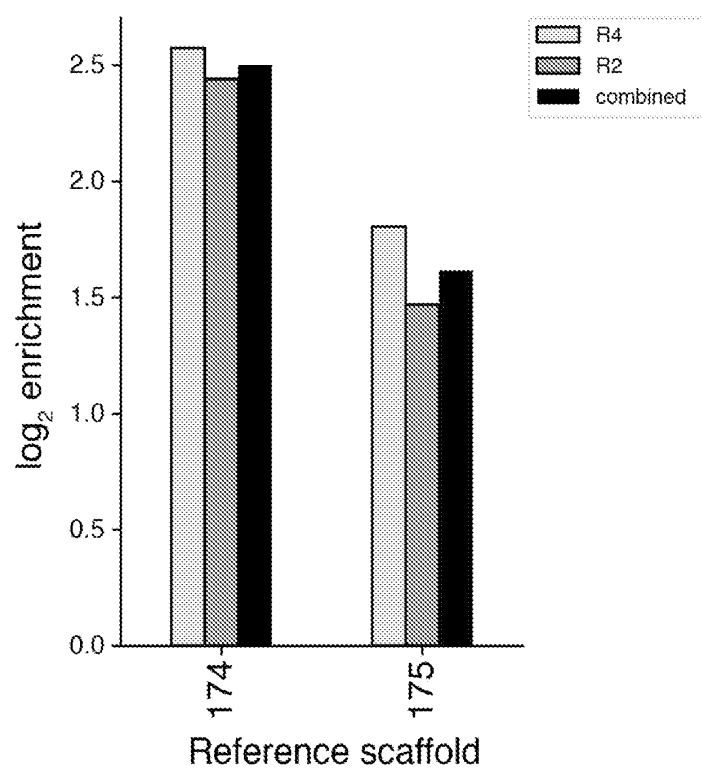
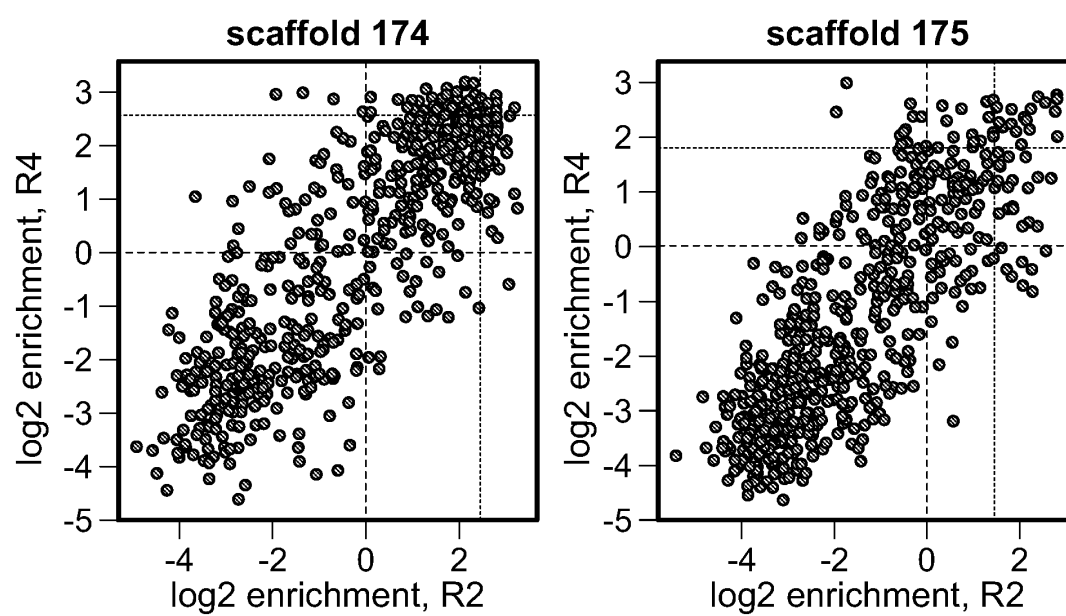


FIG. 68

**FIG. 69**

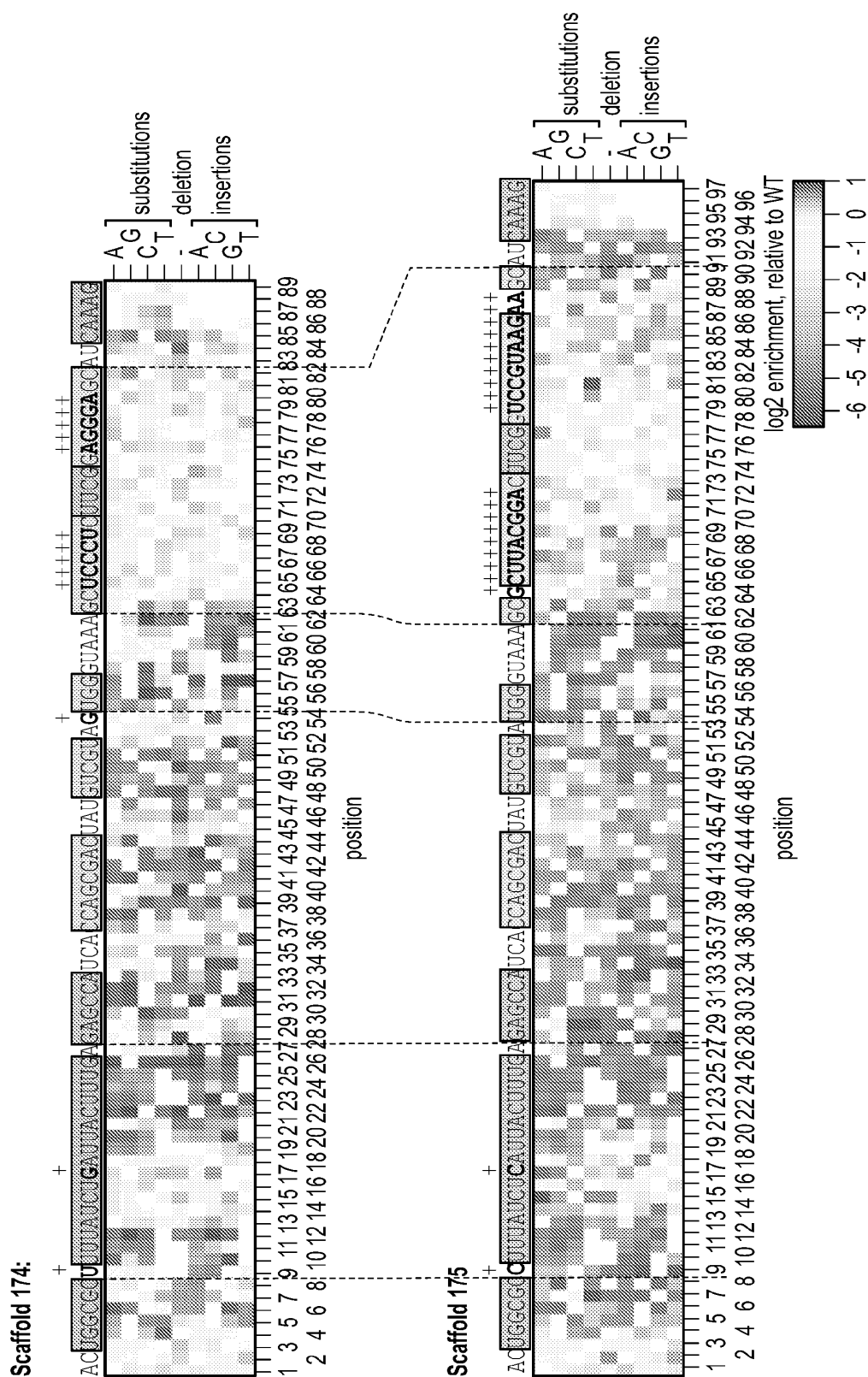


FIG. 70

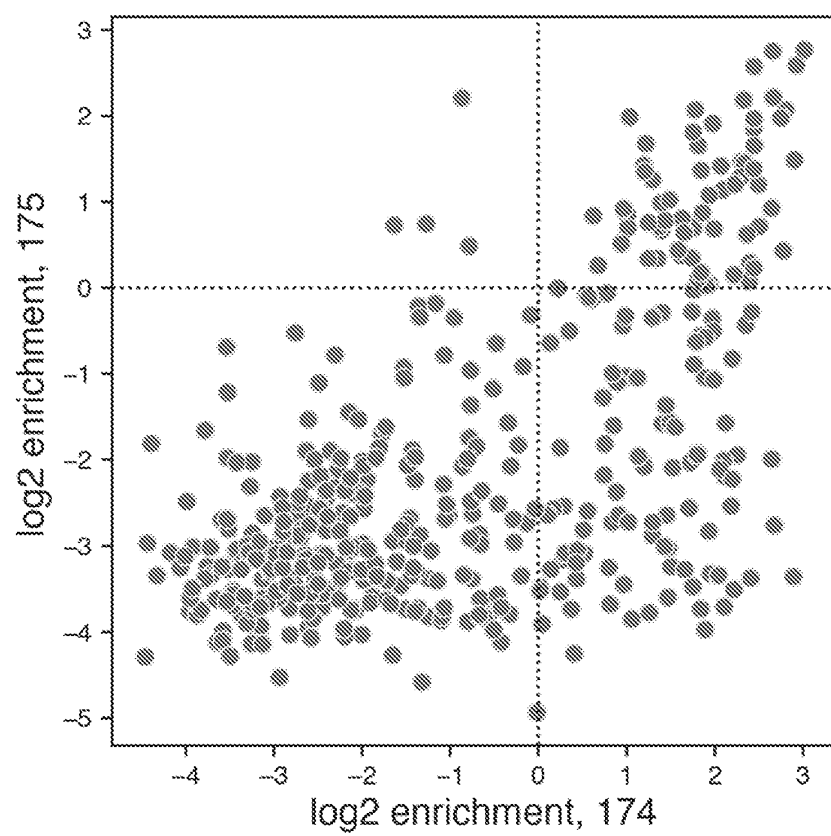


FIG. 71

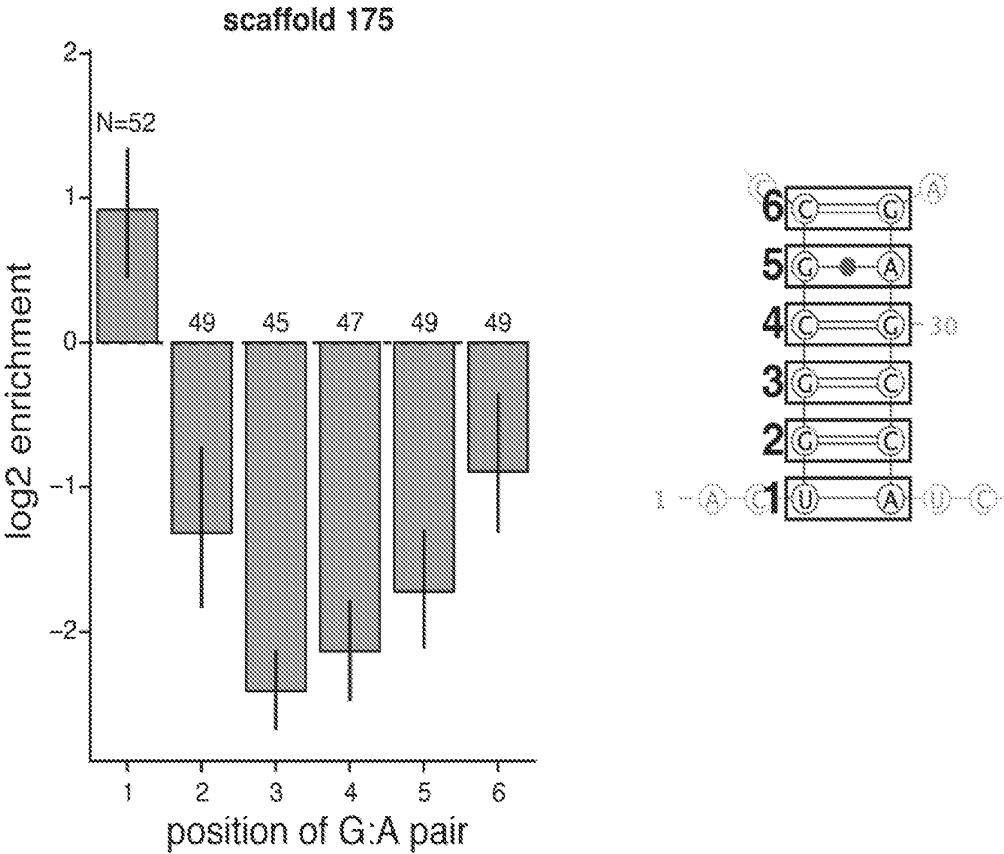


FIG. 72

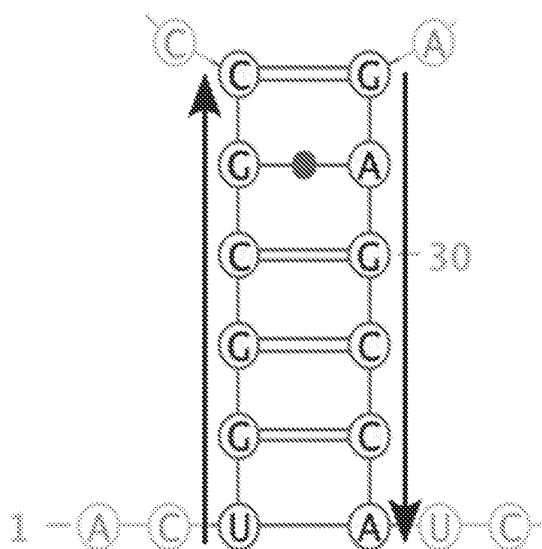


FIG. 73

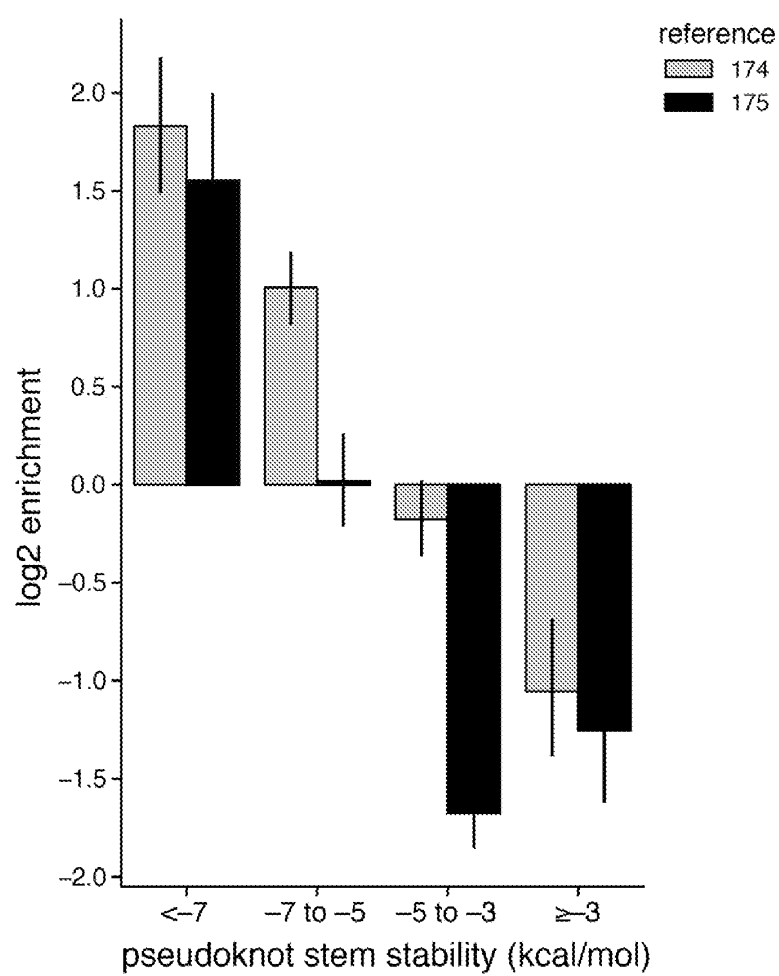
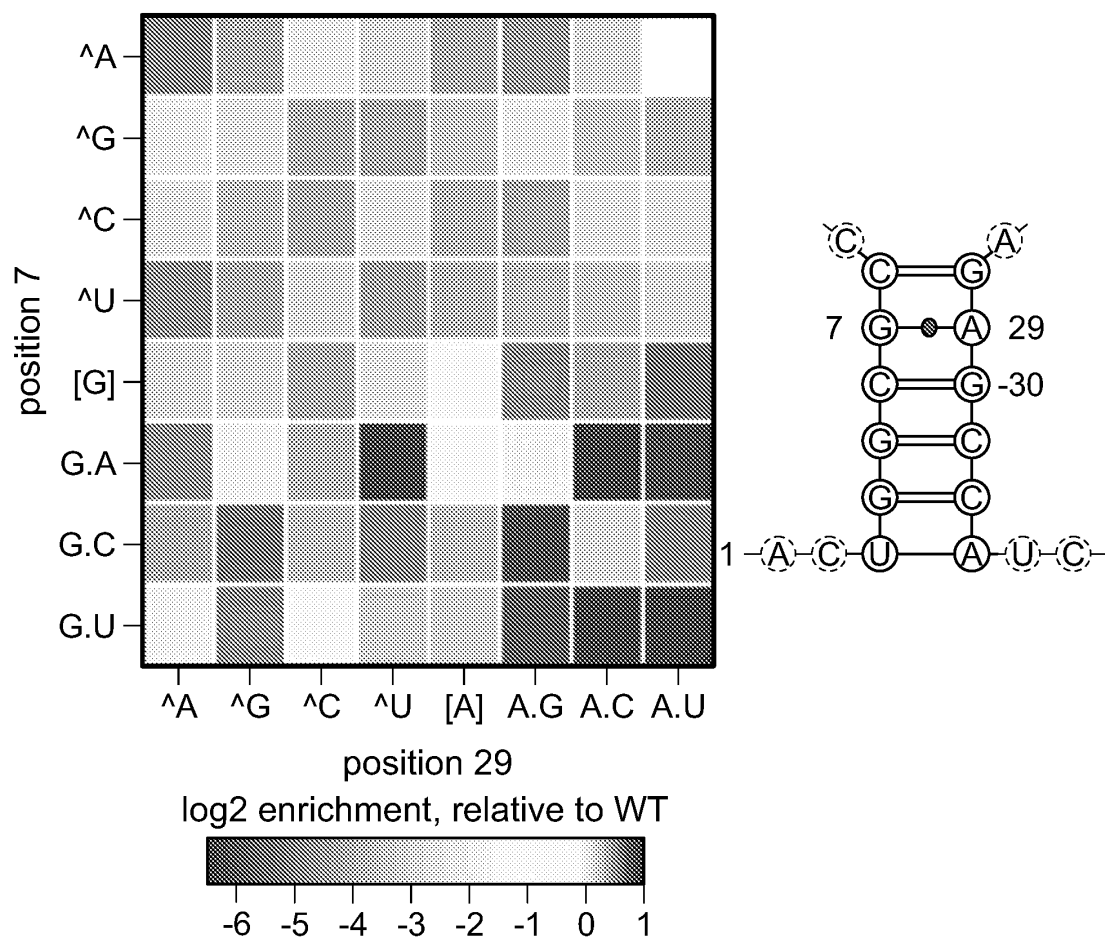


FIG. 74

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**FIG. 75**

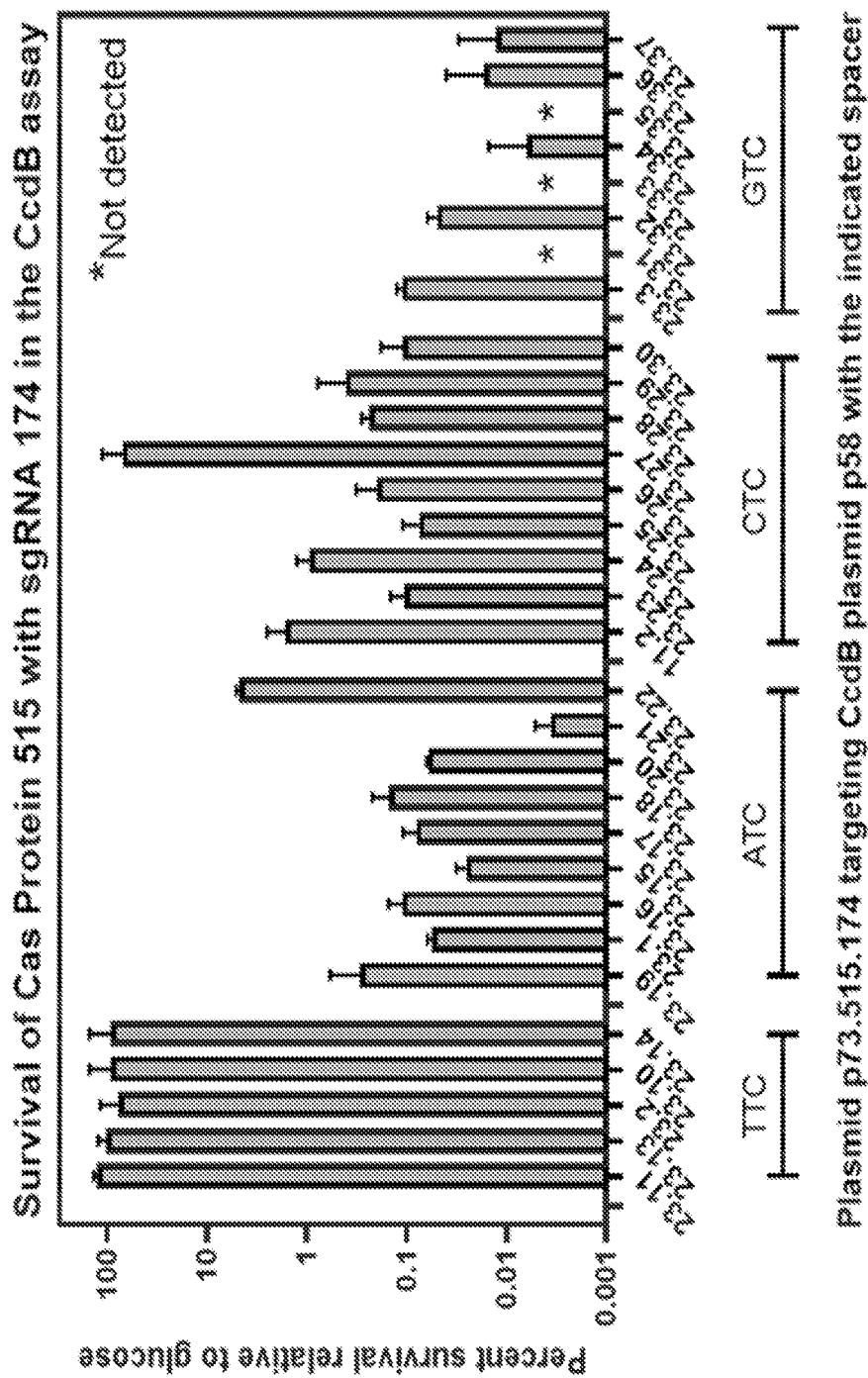


FIG. 76