FIGURE 1

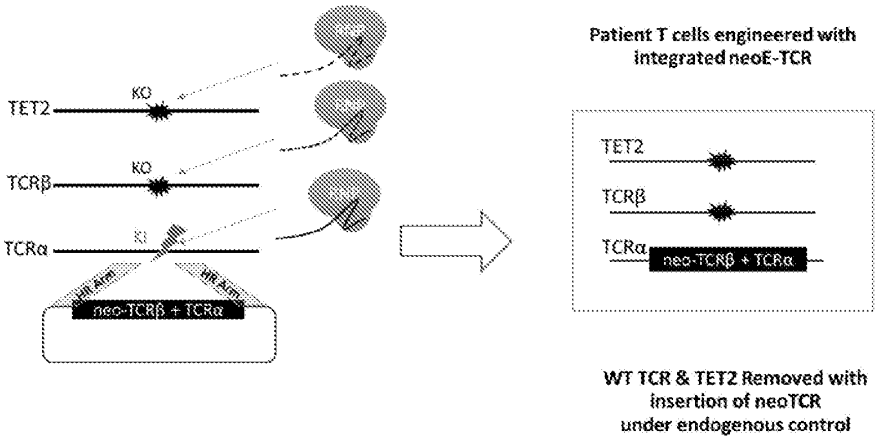
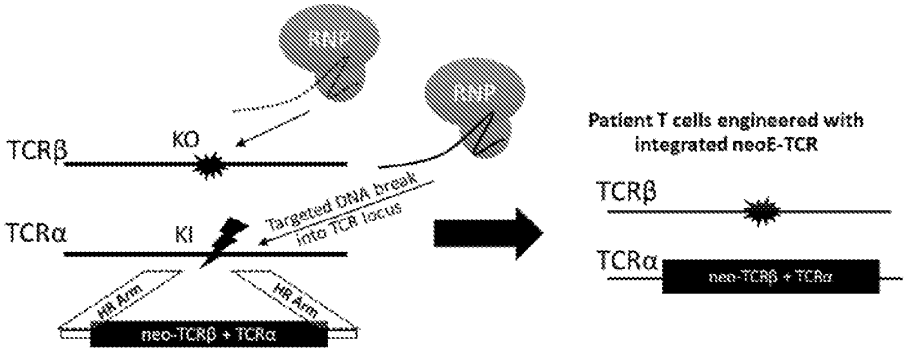


FIGURE 2A



HR integration of neoE-TCR DNA directly into TCRα locus

FIGURE 2B

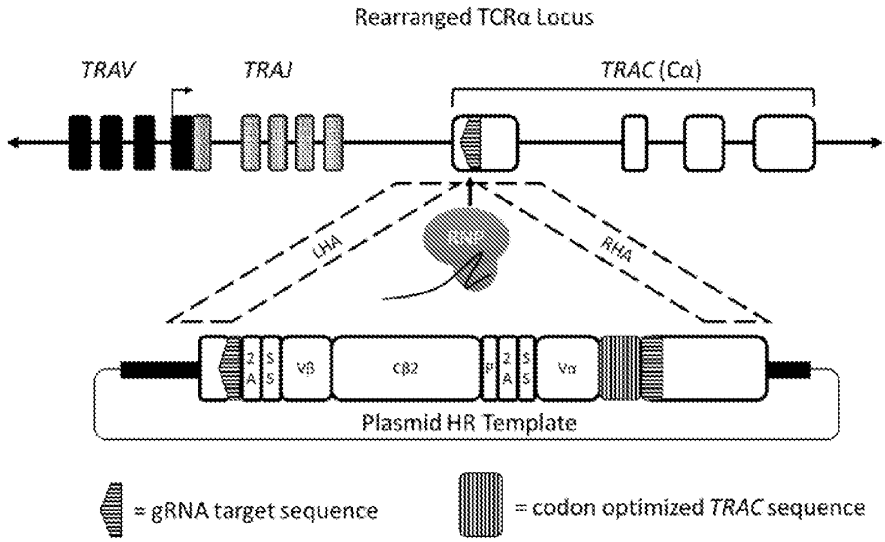


FIGURE 2C

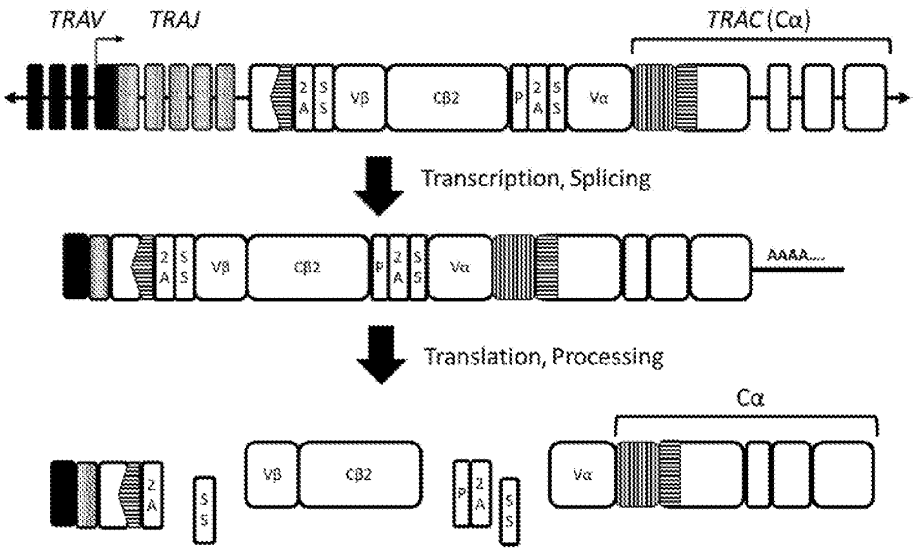


FIGURE 3

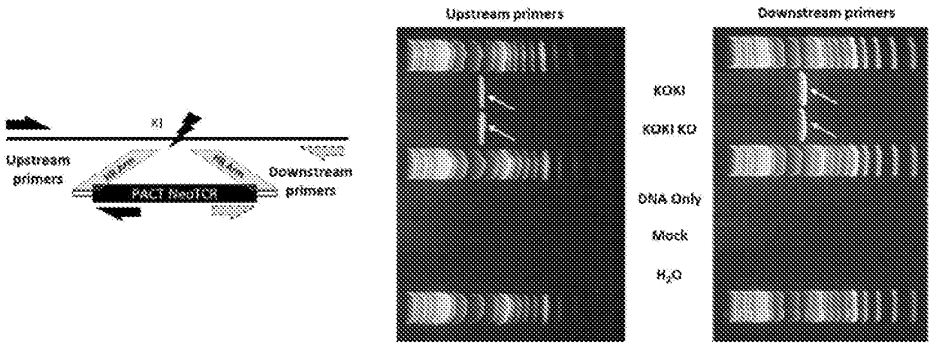


FIGURE 4A

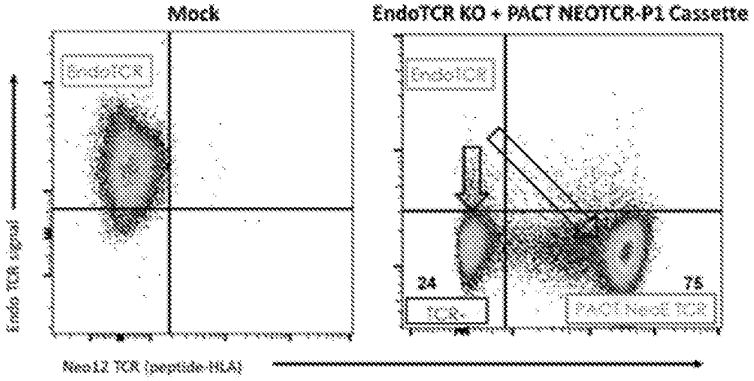
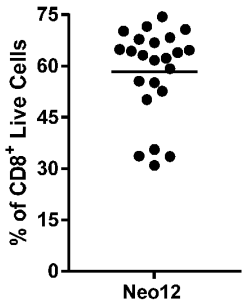


FIGURE 4B



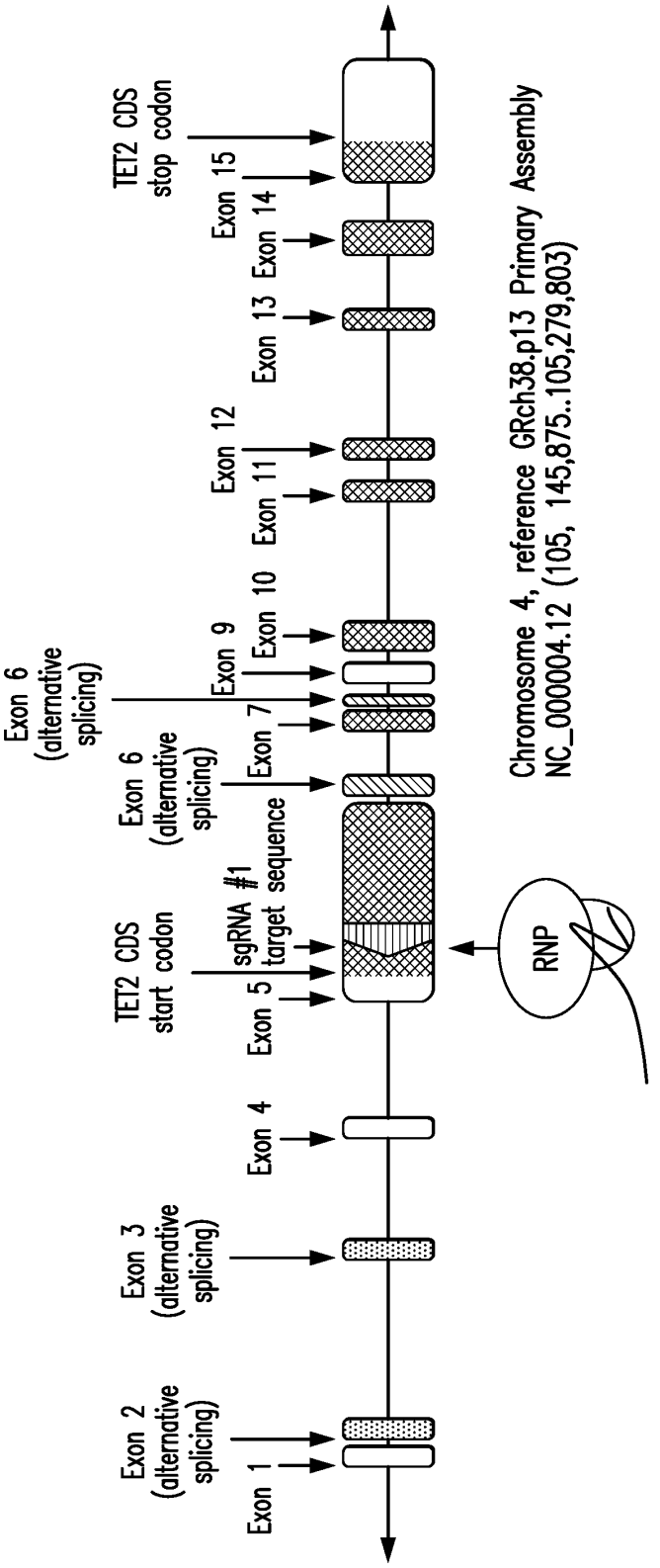

Exon 1
Exon 2 (alternative splicing)
Exon 3 (alternative splicing)
Exon 4
Exon 5
TET2 CDS start codon
sgRNA #1 target sequence
Exon 6 (alternative splicing)
Exon 6 (alternative splicing)
Exon 7
Exon 9
Exon 10
Exon 11
Exon 12
Exon 13
Exon 14
Exon 15
TET2 CDS stop codon
RNP
Chromosome 4, reference GRch38.p13 Primary Assembly
NC_000004.12 (105, 145,875..105,279,803)

FIGURE 5A

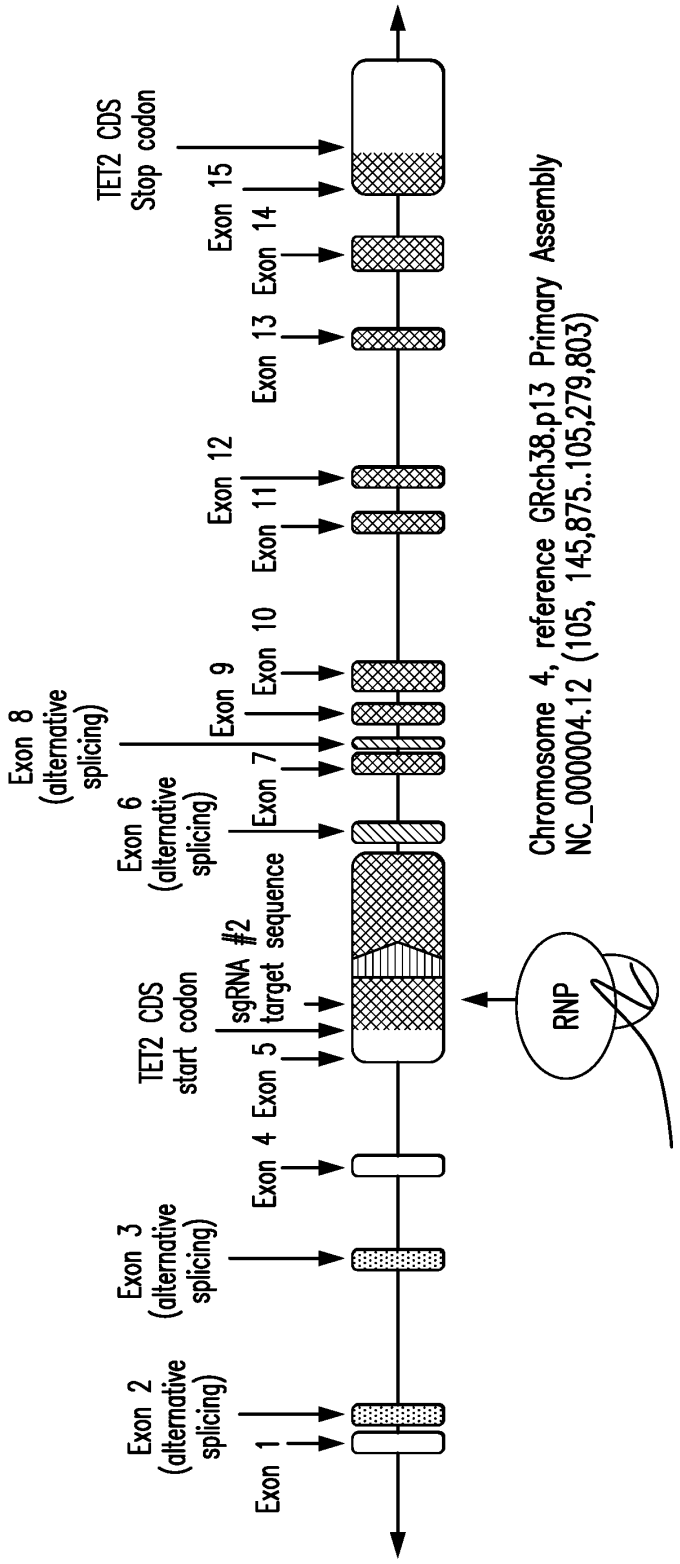

Exon 1
Exon 2 (alternative splicing)
Exon 3 (alternative splicing)
Exon 4
Exon 5
TET2 CDS start codon
sgRNA #2 target sequence
Exon 6 (alternative splicing)
Exon 7
Exon 8 (alternative splicing)
Exon 9
Exon 10
Exon 11
Exon 12
Exon 13
Exon 14
Exon 15
TET2 CDS Stop codon
RNP
Chromosome 4, reference GRch38.p13 Primary Assembly NC_000004.12 (105, 145,875..105,279,803)

FIGURE 5B

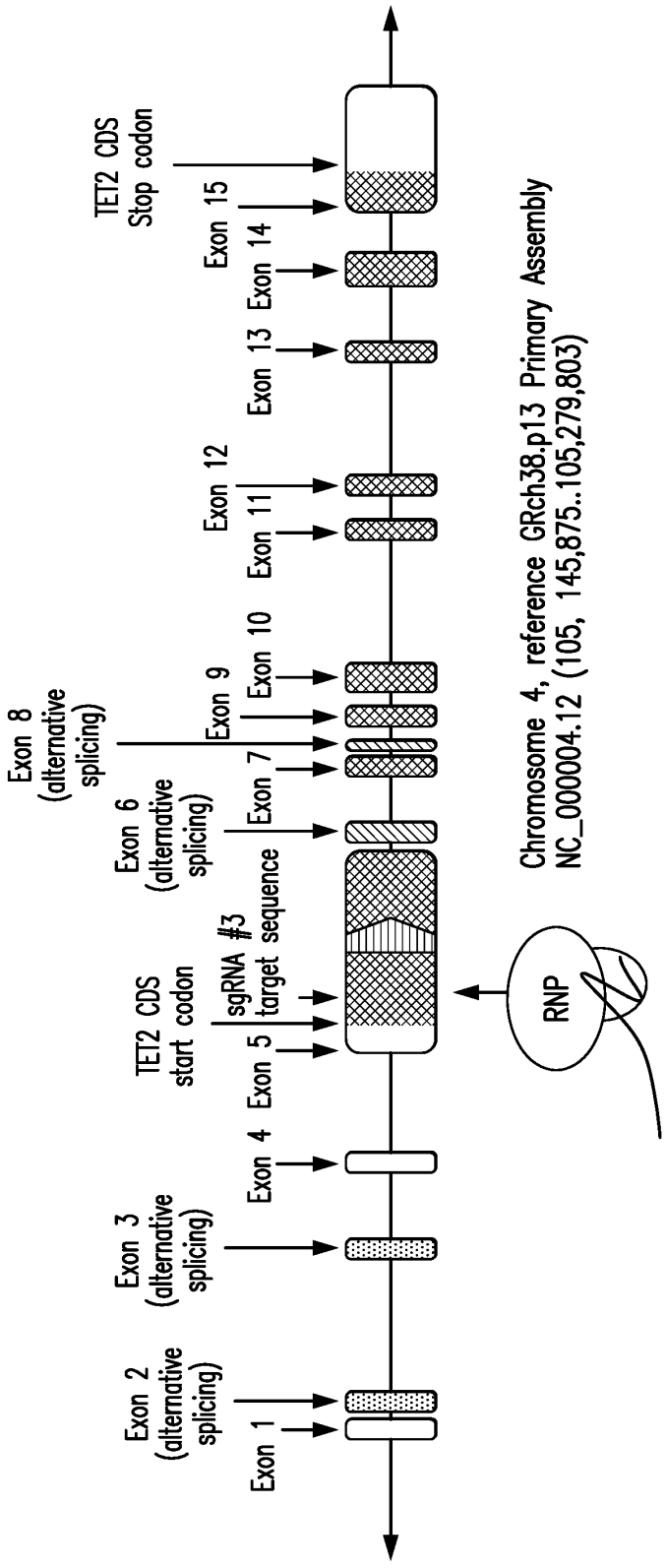

Exon 1
Exon 2 (alternative splicing)
Exon 3 (alternative splicing)
Exon 4
Exon 5
TET2 CDS start codon
sgRNA #3 target sequence
Exon 6 (alternative splicing)
Exon 7
Exon 8 (alternative splicing)
Exon 9
Exon 10
Exon 11
Exon 12
Exon 13
Exon 14
Exon 15
TET2 CDS Stop codon
RNP
Chromosome 4, reference GRch38.p13 Primary Assembly NC_000004.12 (105, 145,875..105,279,803)

FIGURE 5C

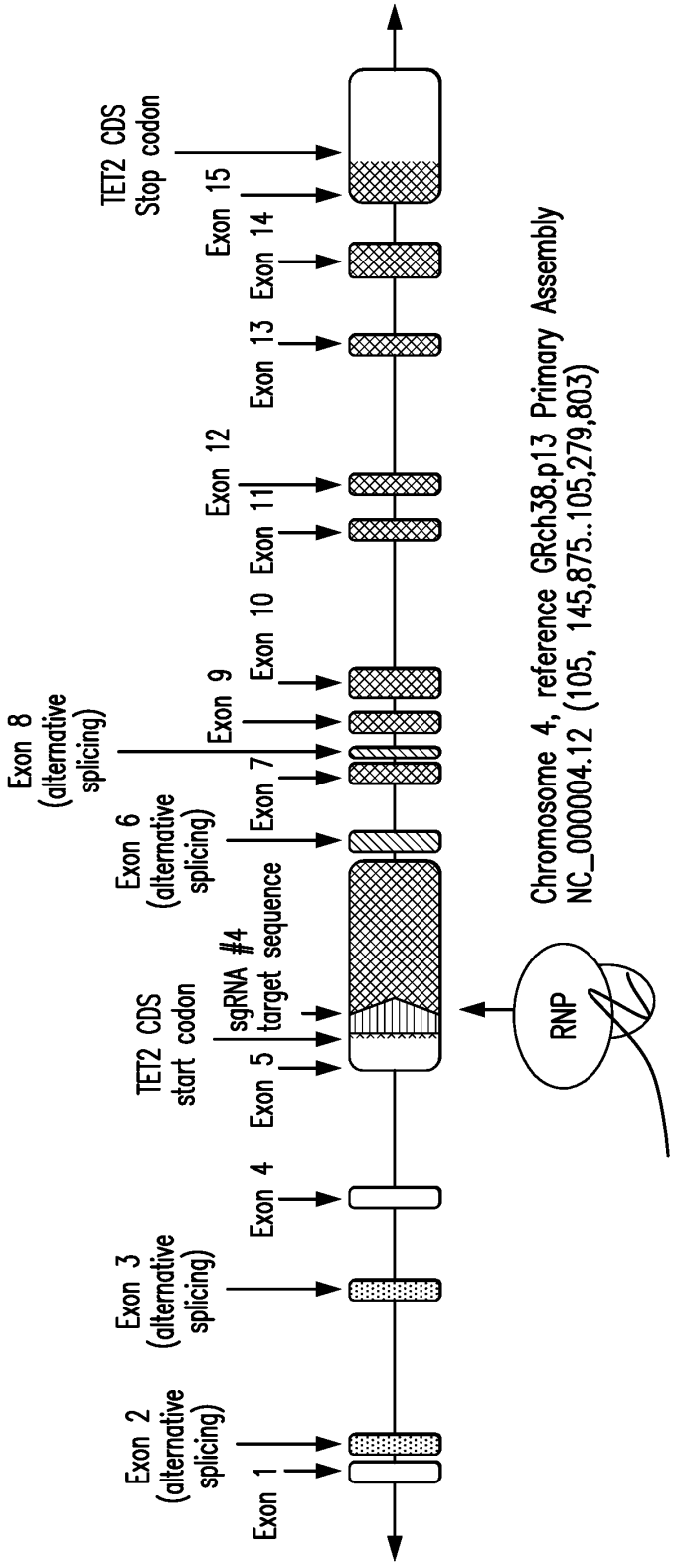

Exon 1
Exon 2 (alternative splicing)
Exon 3 (alternative splicing)
Exon 4
Exon 5
TET2 CDS start codon
sgRNA #4 target sequence
Exon 6 (alternative splicing)
Exon 7
Exon 8 (alternative splicing)
Exon 9
Exon 10
Exon 11
Exon 12
Exon 13
Exon 14
Exon 15
TET2 CDS Stop codon
RNP
Chromosome 4, reference GRch38.p13 Primary Assembly NC_000004.12 (105, 145,875..105,279,803)

FIGURE 5D

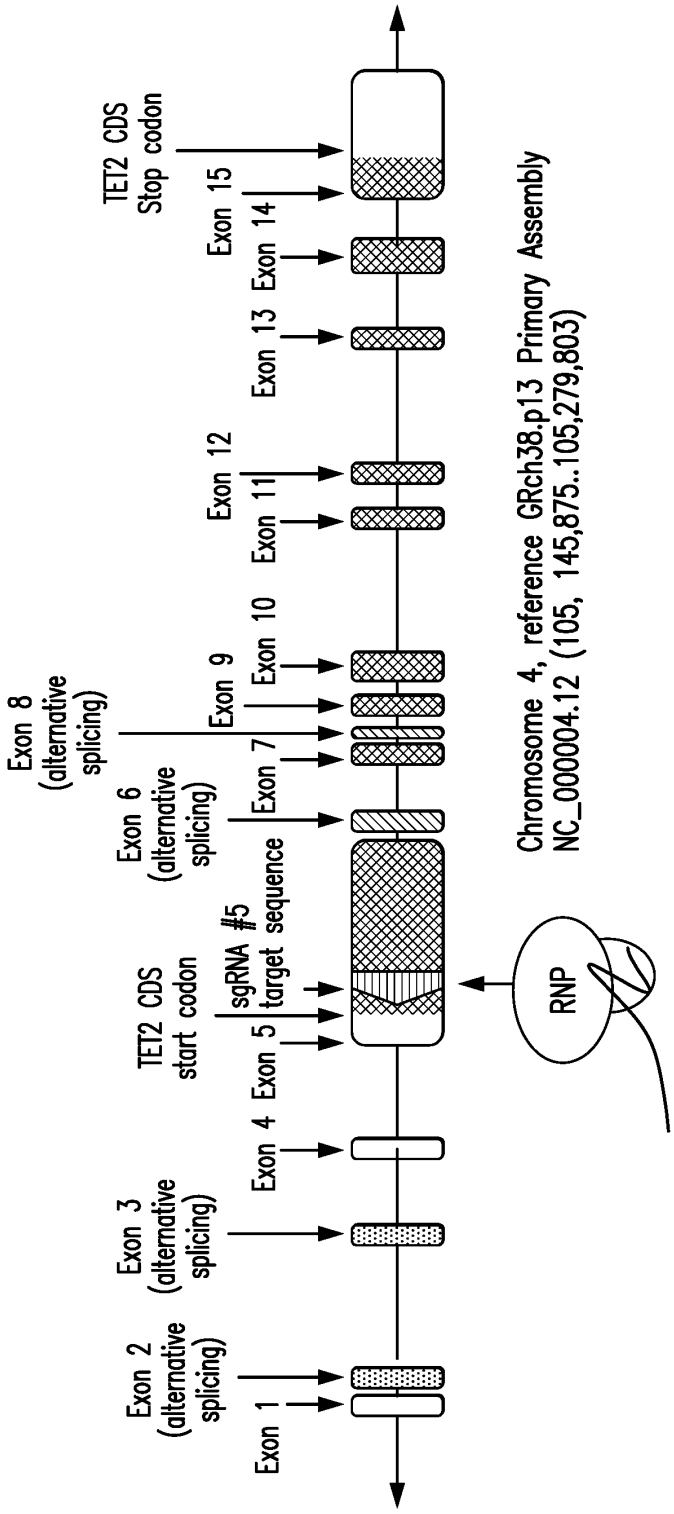

Chromosome 4, reference GRch38.p13 Primary Assembly
NC_000004.12 (105, 145,875..105,279,803)
RNP
Exon 1
Exon 2 (alternative splicing)
Exon 3 (alternative splicing)
Exon 4
Exon 5
TET2 CDS start codon
sgRNA #5 target sequence
Exon 6 (alternative splicing)
Exon 7
Exon 8 (alternative splicing)
Exon 9
Exon 10
Exon 11
Exon 12
Exon 13
Exon 14
Exon 15
TET2 CDS Stop codon

FIGURE 5E

FIGURE 6A

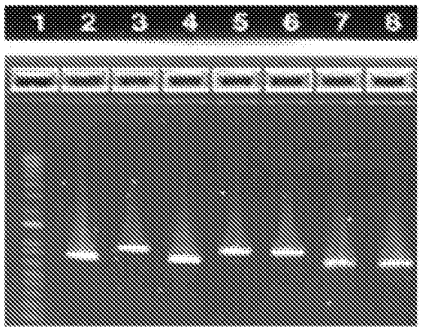
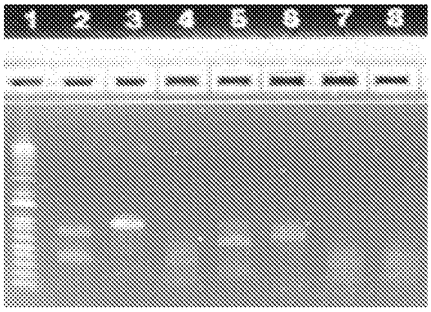


FIGURE 6B



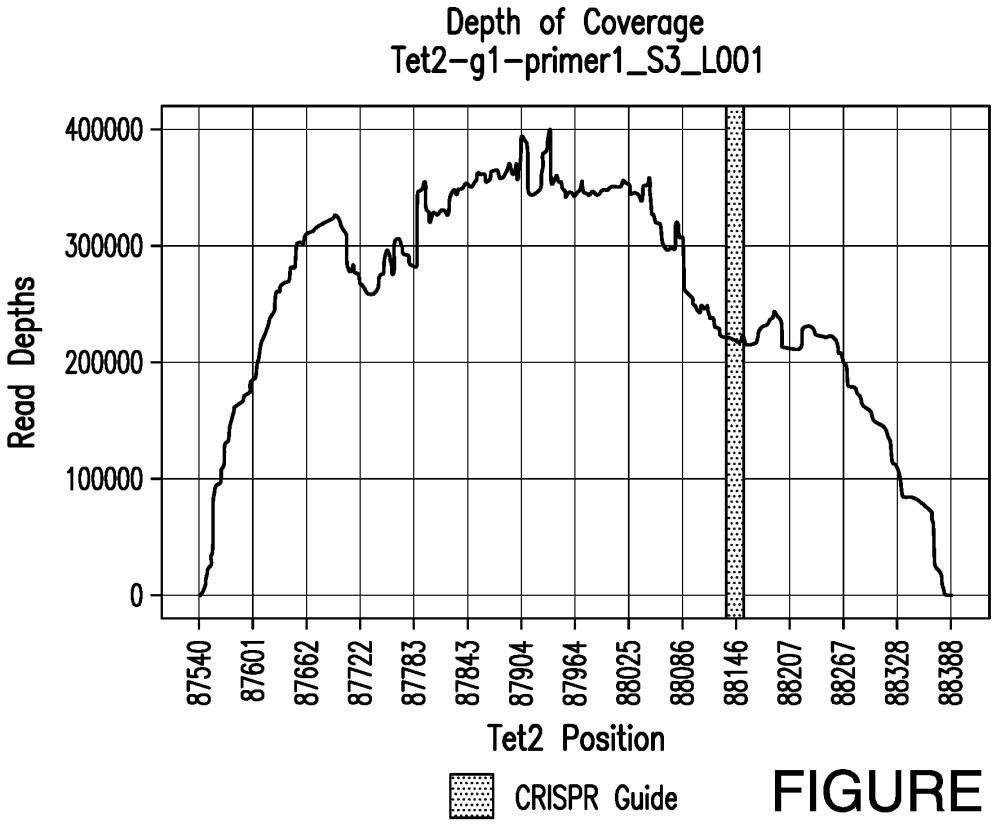


FIGURE 7A

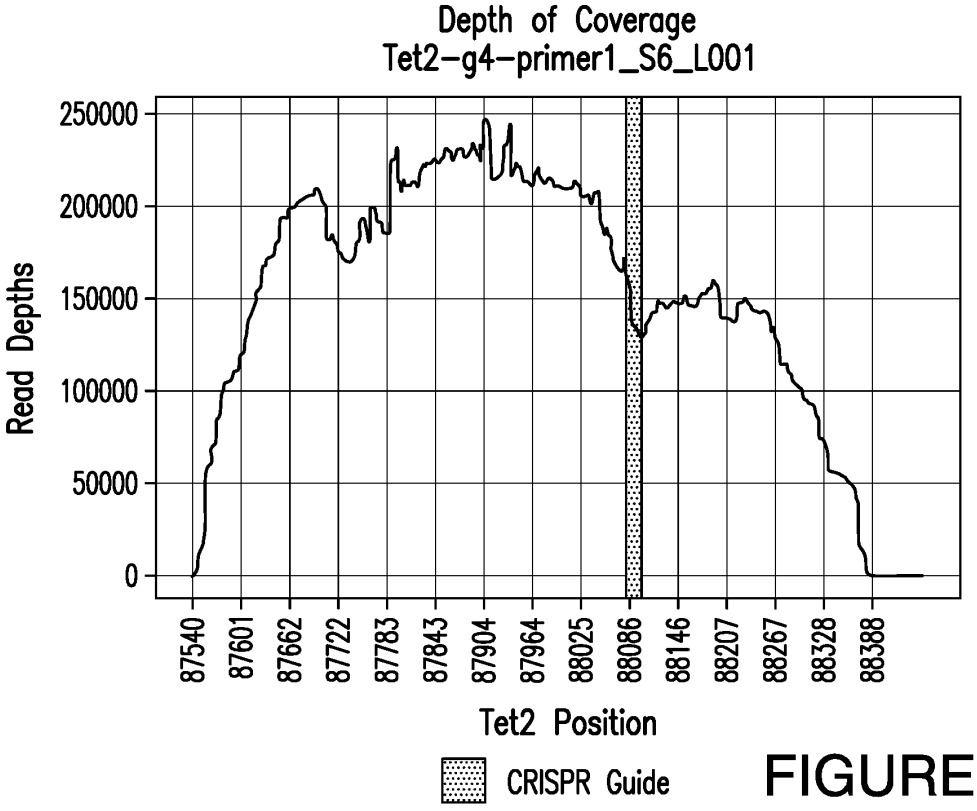


FIGURE 7B

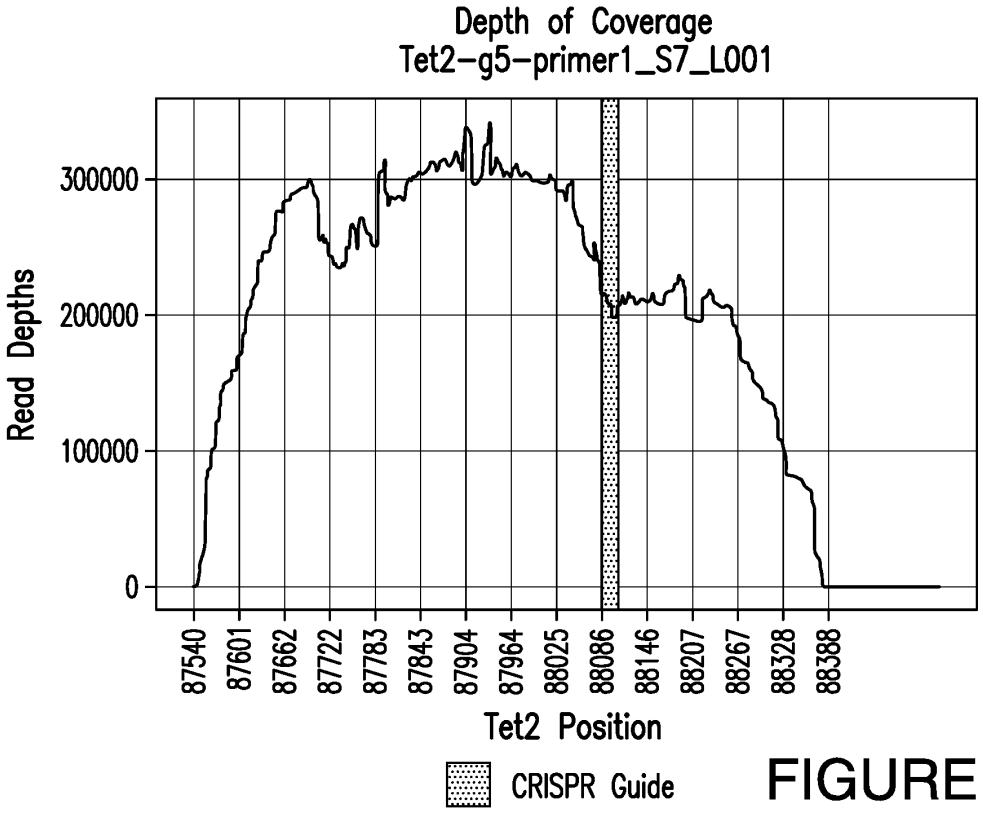


FIGURE 7C

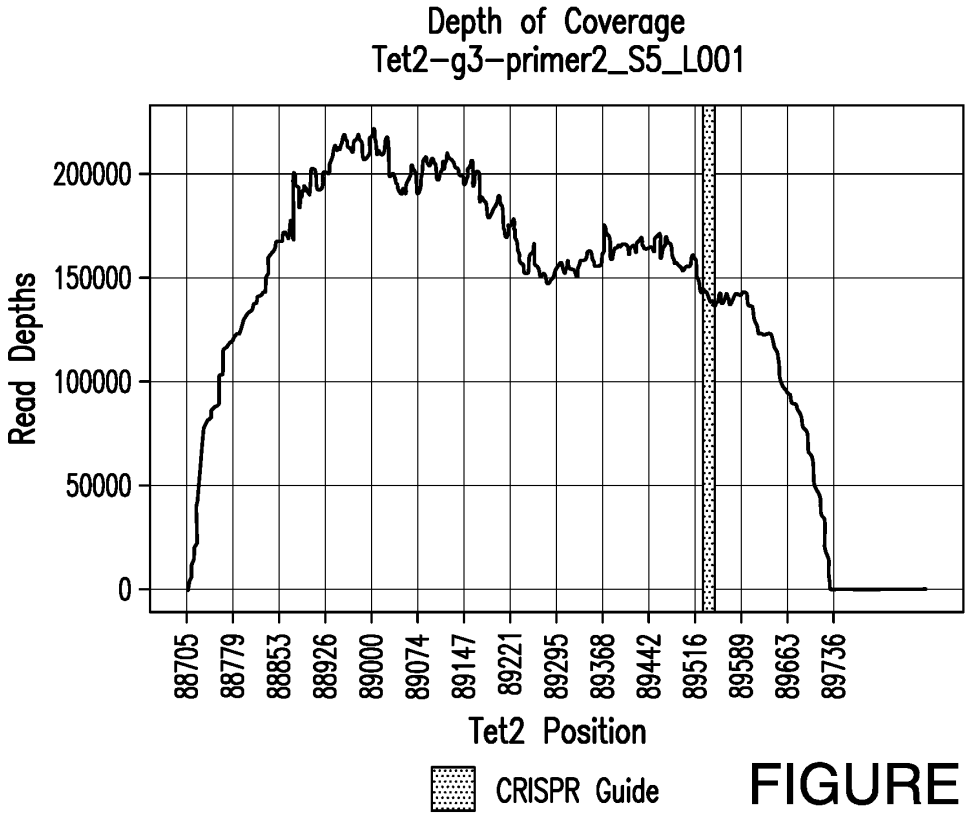


FIGURE 7D

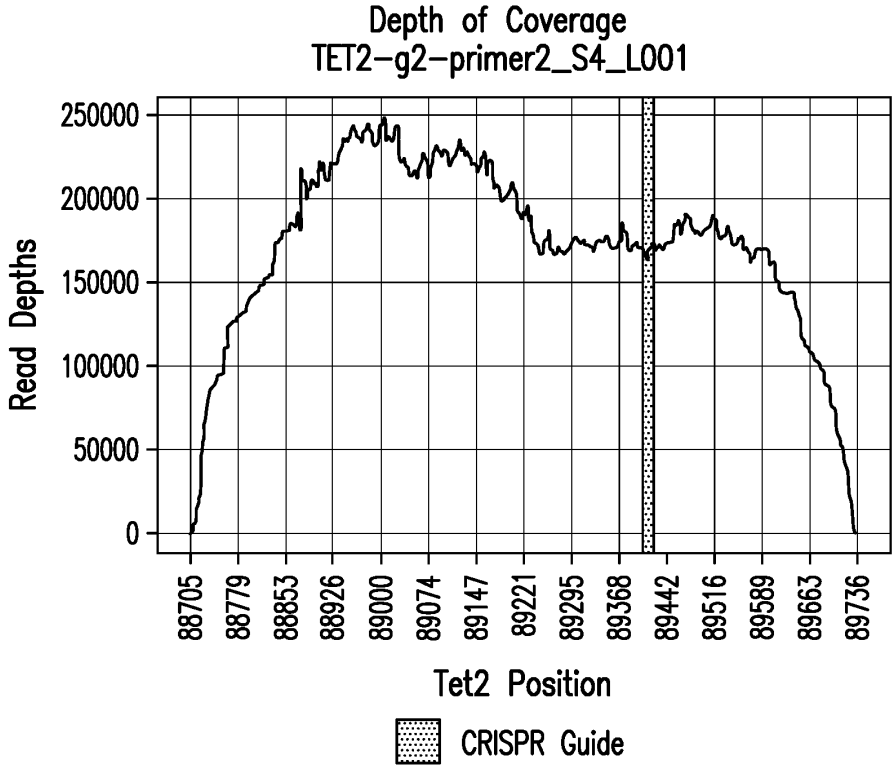

Depth of Coverage
TET2-g2-primer2_S4_L001
Read Depths
250000
200000
150000
100000
50000
0
88705
88779
88853
88926
89000
89074
89147
89221
89295
89368
89442
89516
89589
89663
89736
Tet2 Position
CRISPR Guide

FIGURE 7E

FIGURE 8A

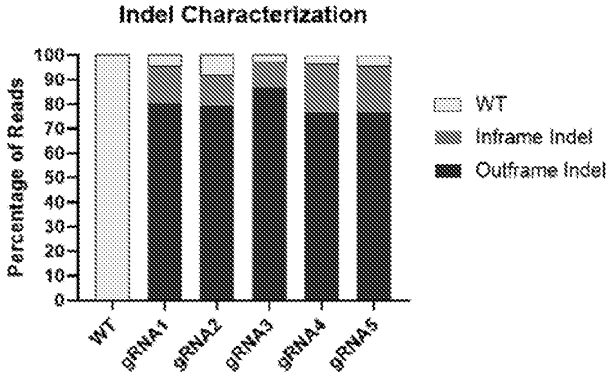


FIGURE 8B

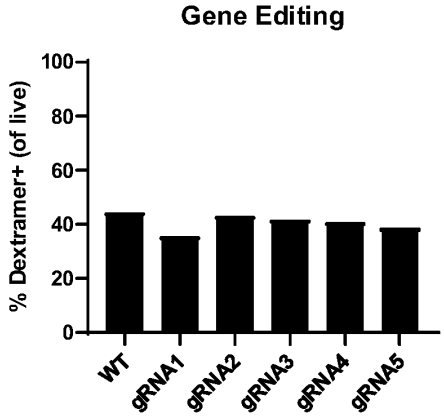
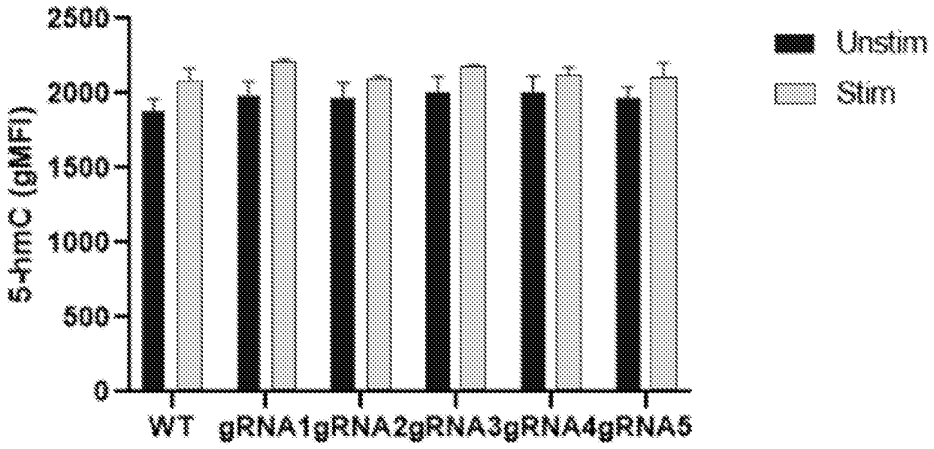


FIGURE 9


2500
2000
1500
1000
500
0
5-hmC (gMFI)
Unstim
Stim
WT
gRNA1
gRNA2
gRNA3
gRNA4
gRNA5

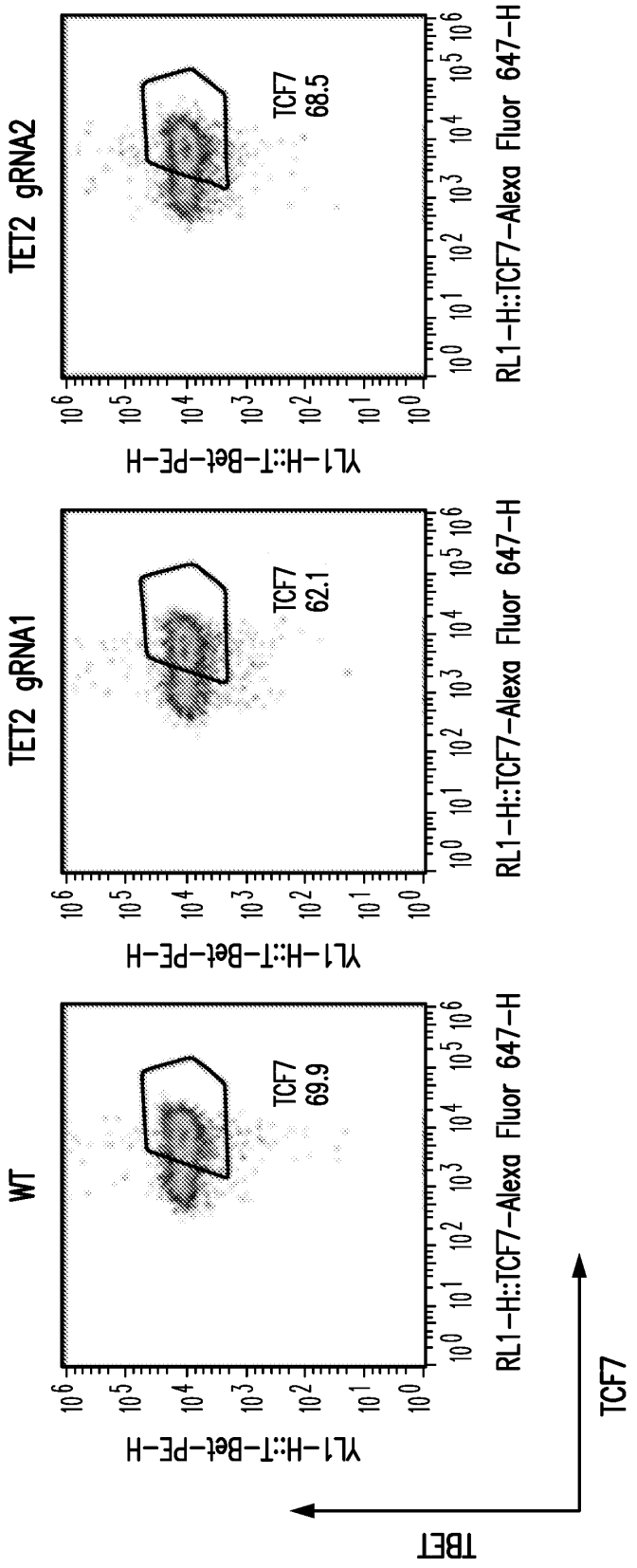

WT
TET2 gRNA1
TET2 gRNA2
TCF7
69.9
TCF7
62.1
TCF7
68.5
YL1-H::T-Bet-PE-H
RL1-H::TCF7-Alexa Fluor 647-H
TBET
TCF7

FIGURE 10

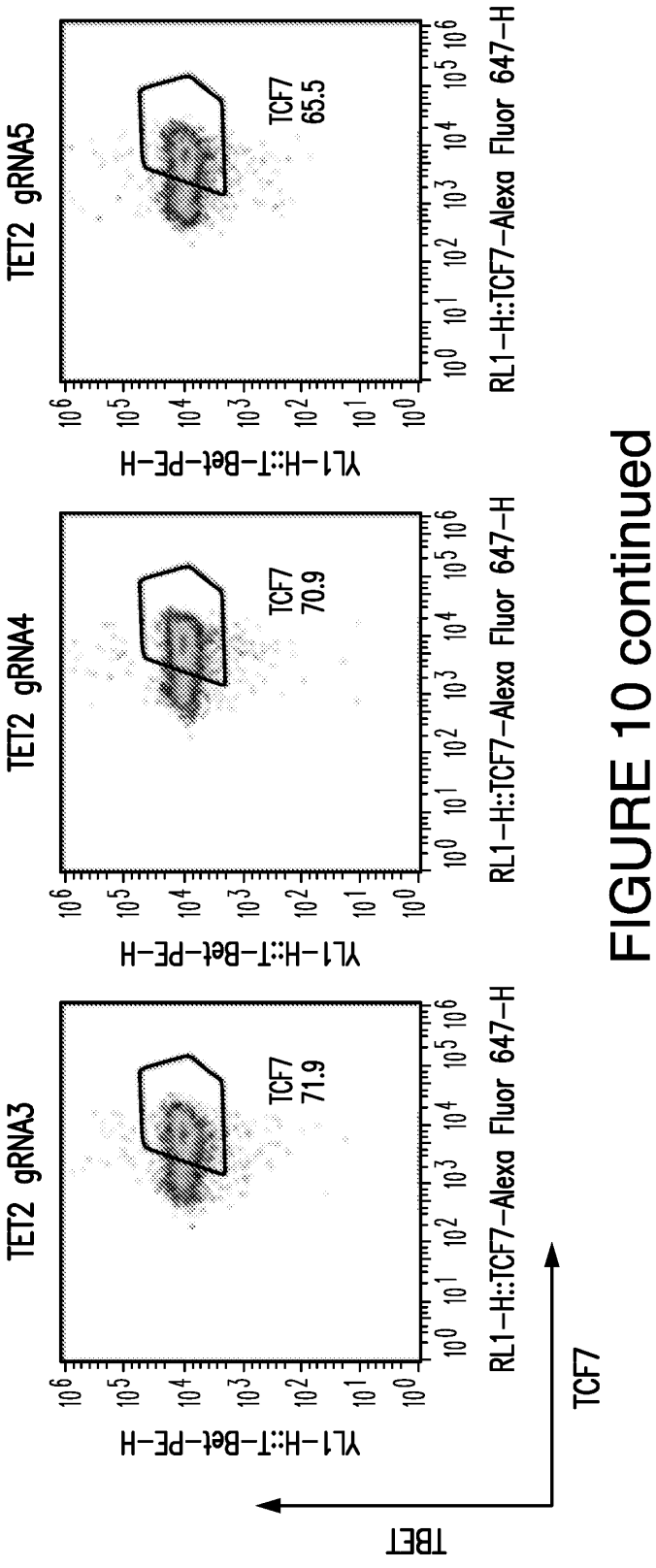


FIGURE 10 continued

FIGURE 11A

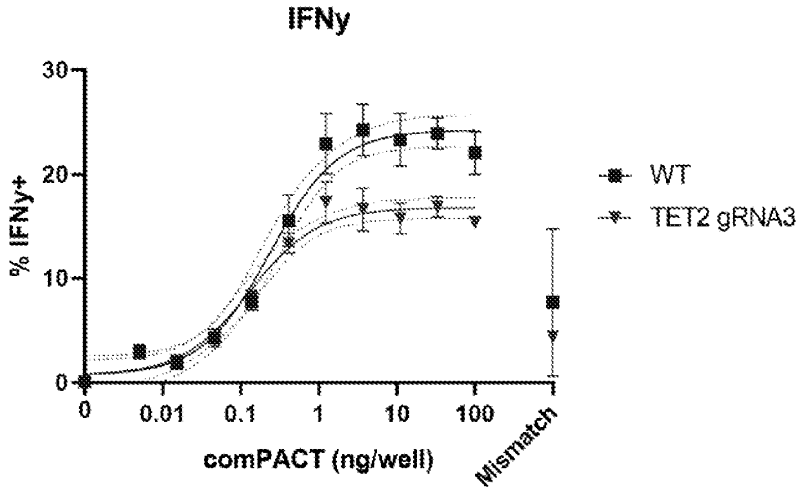


FIGURE 11B

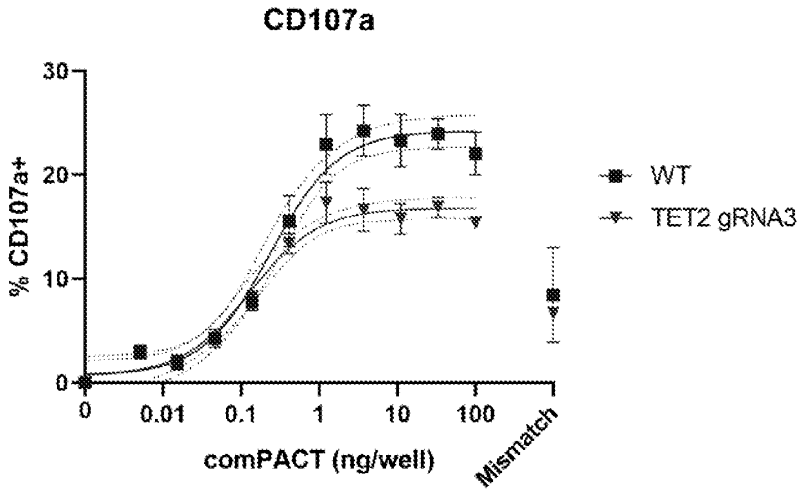


FIGURE 12A

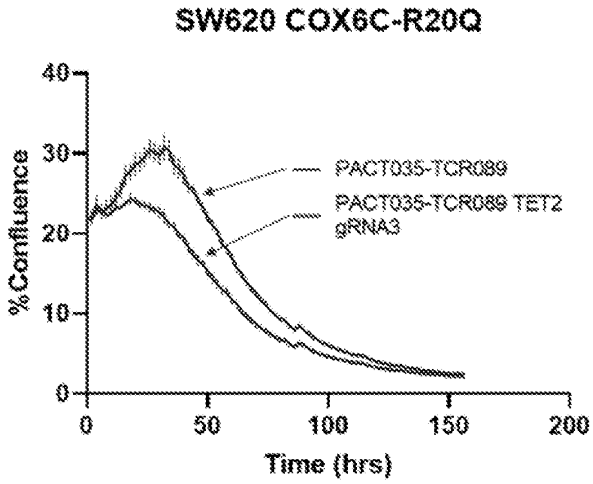


FIGURE 12B

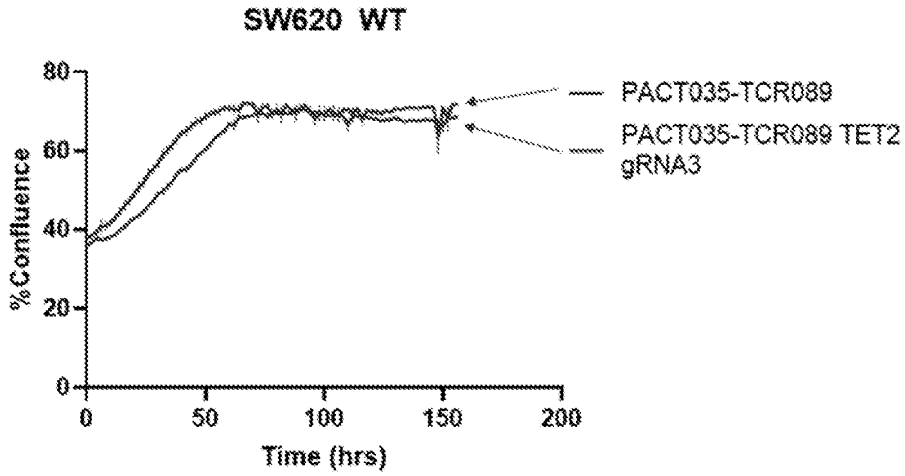


FIGURE 13A

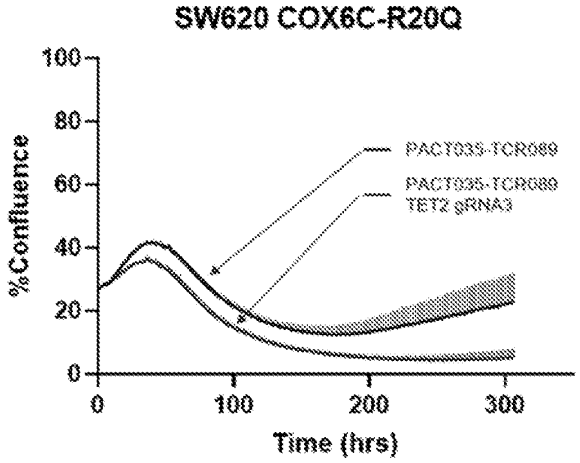


FIGURE 13B

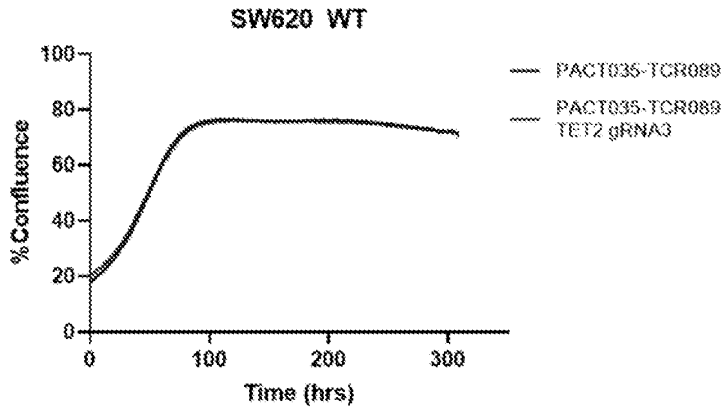


FIGURE 14A

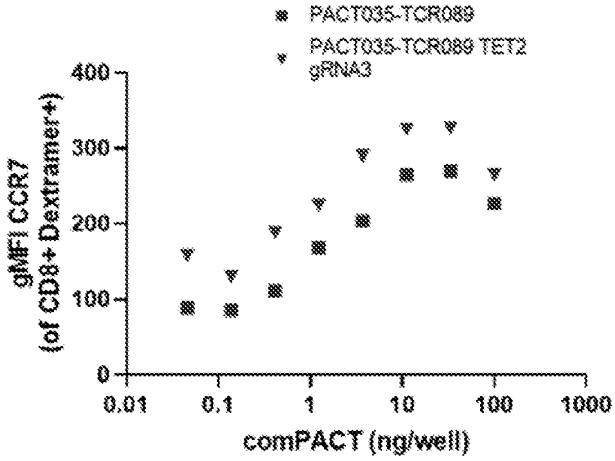
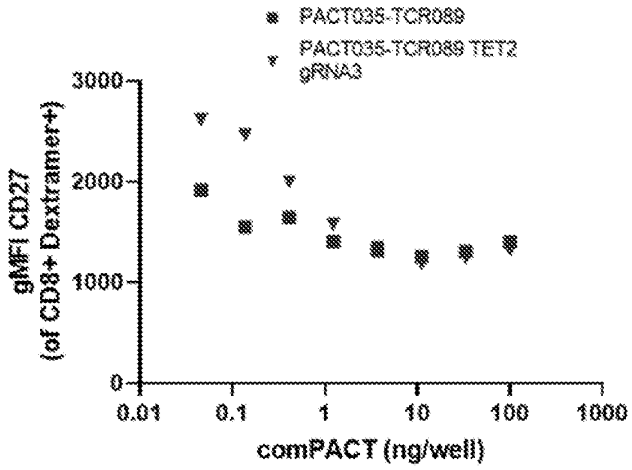


FIGURE 14B



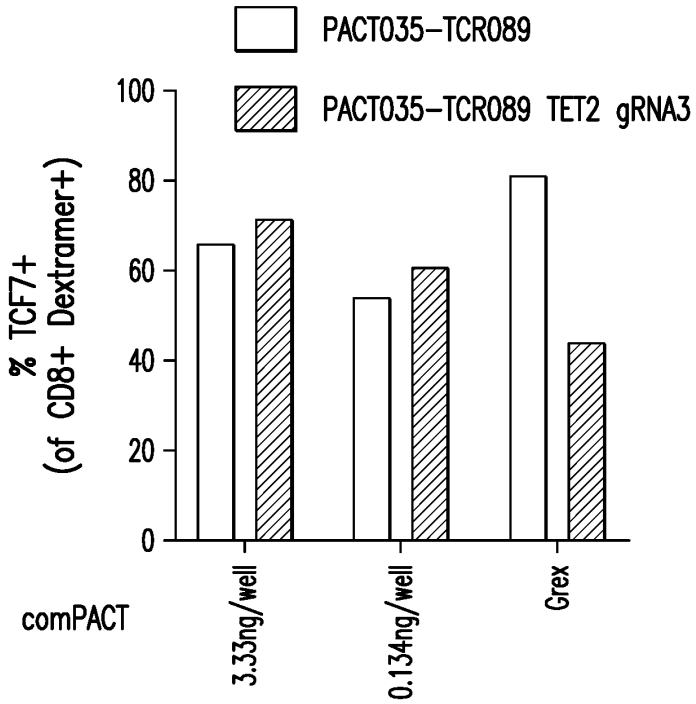


FIGURE 15A

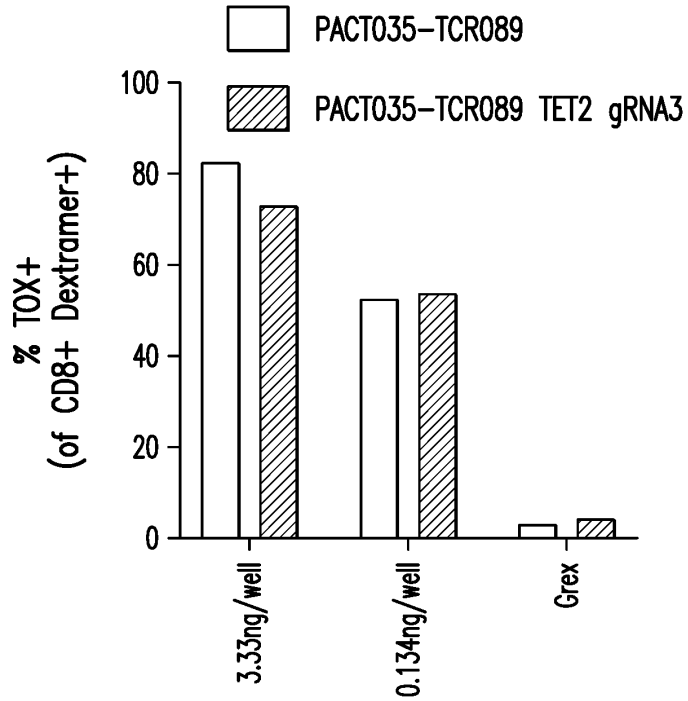


FIGURE 15B

FIGURE 15C

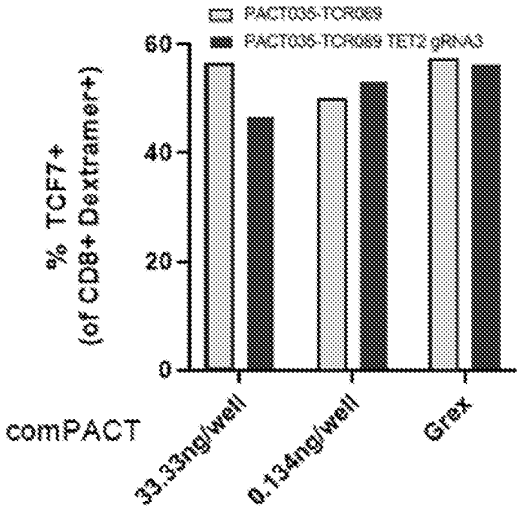


FIGURE 15D

