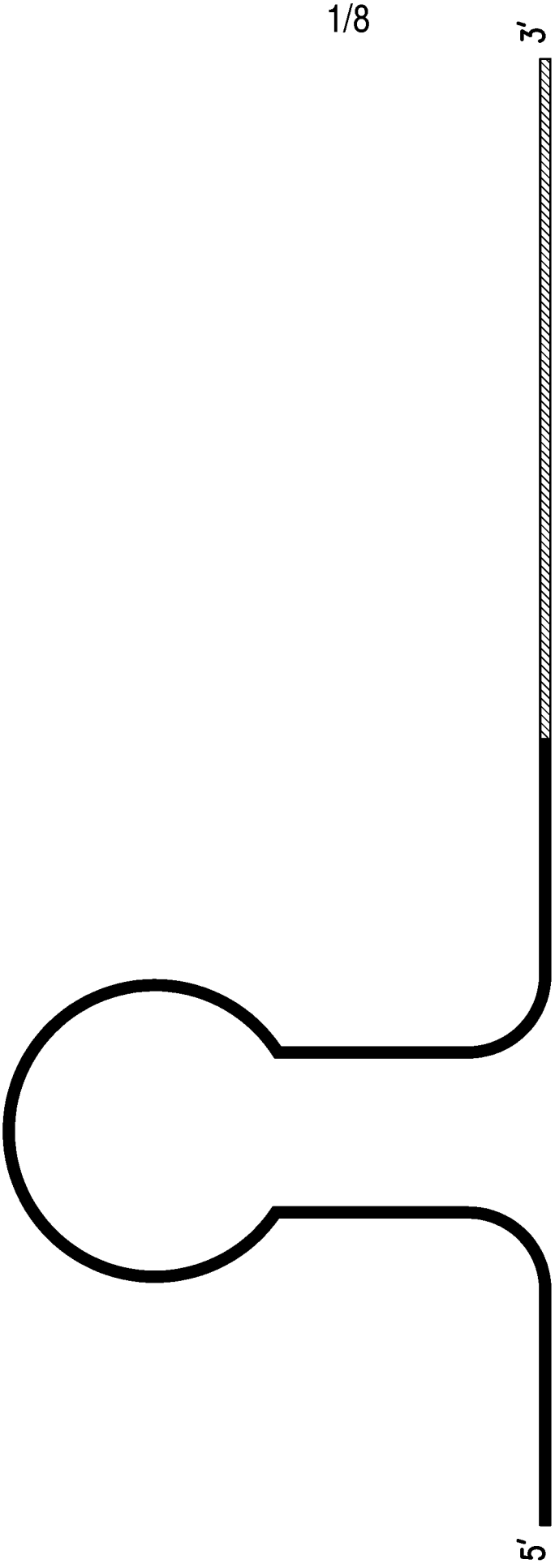
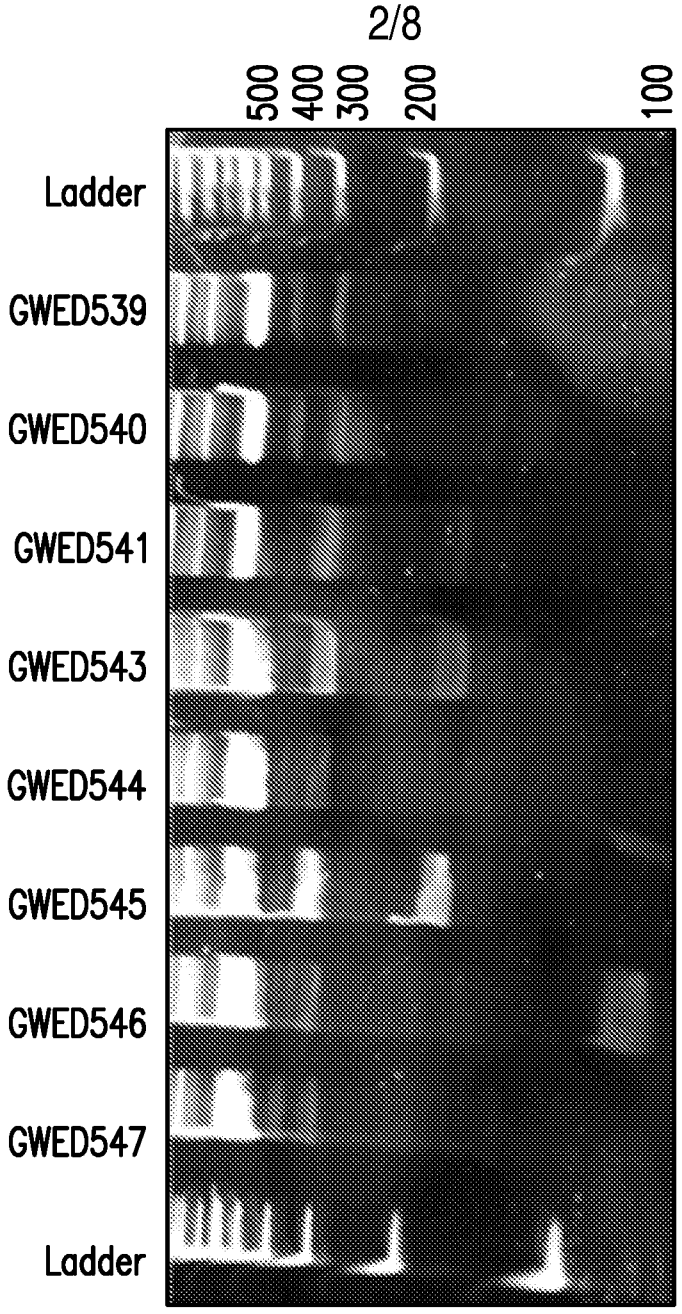


FIG. 1



crRNA ID:	Expected cut size:
GWED539	142, 331
GWED540	146, 327
GWED541	190, 283
GWED543	184, 289
GWED544	159, 314
GWED545	189, 284
GWED546	96, 377
GWED547	157, 136

Full length PCR Product = 450bp

FIG. 2

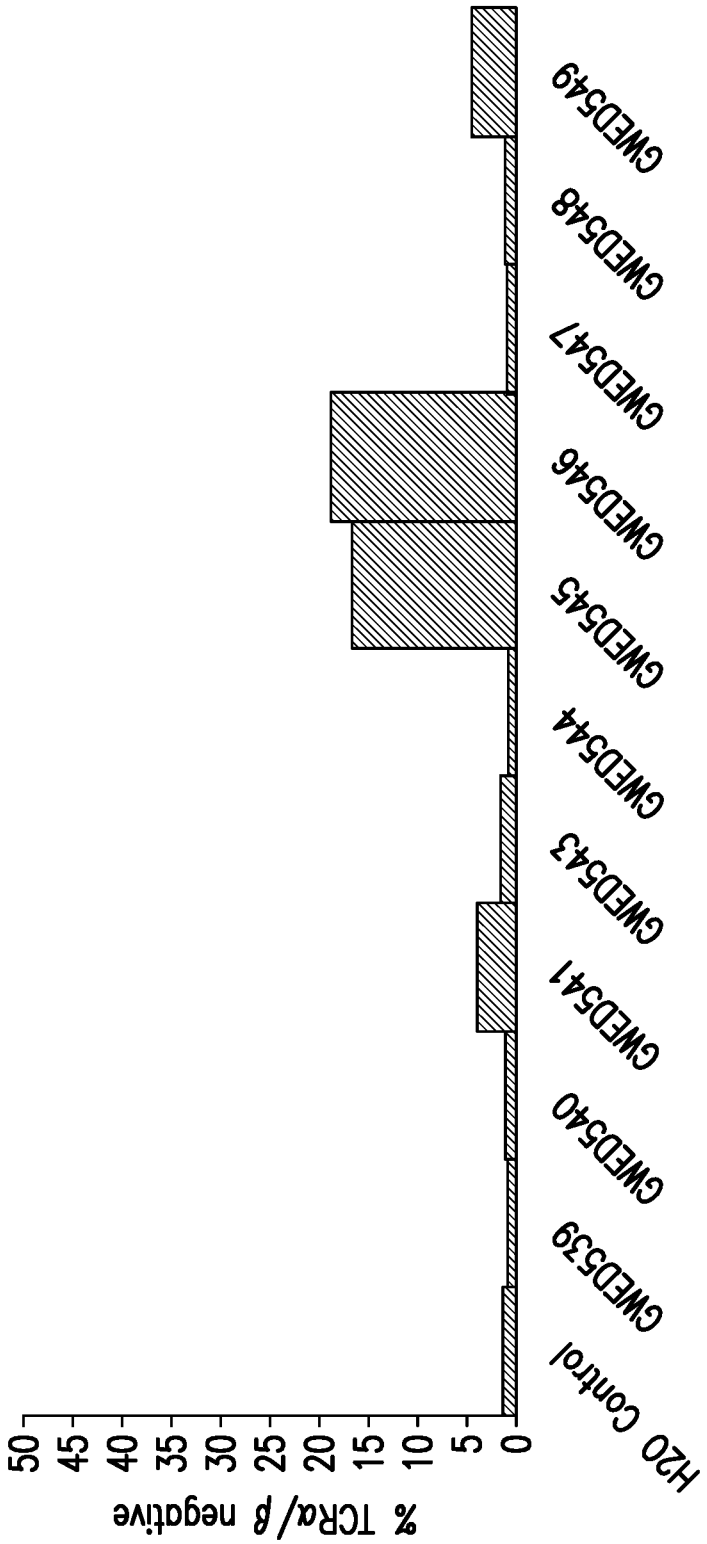

% TCRα/β negative
50
45
40
35
30
25
20
15
10
5
0
H2O Control
GWED539
GWED540
GWED541
GWED543
GWED544
GWED545
GWED546
GWED547
GWED548
GWED549
crRNA ID

FIG. 3A

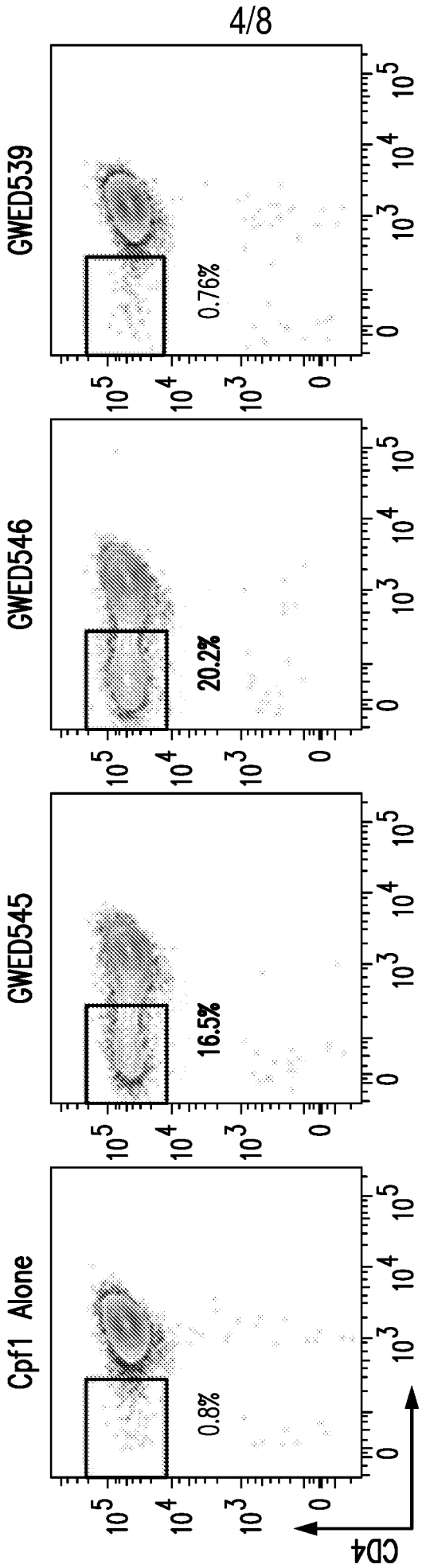


FIG. 3B

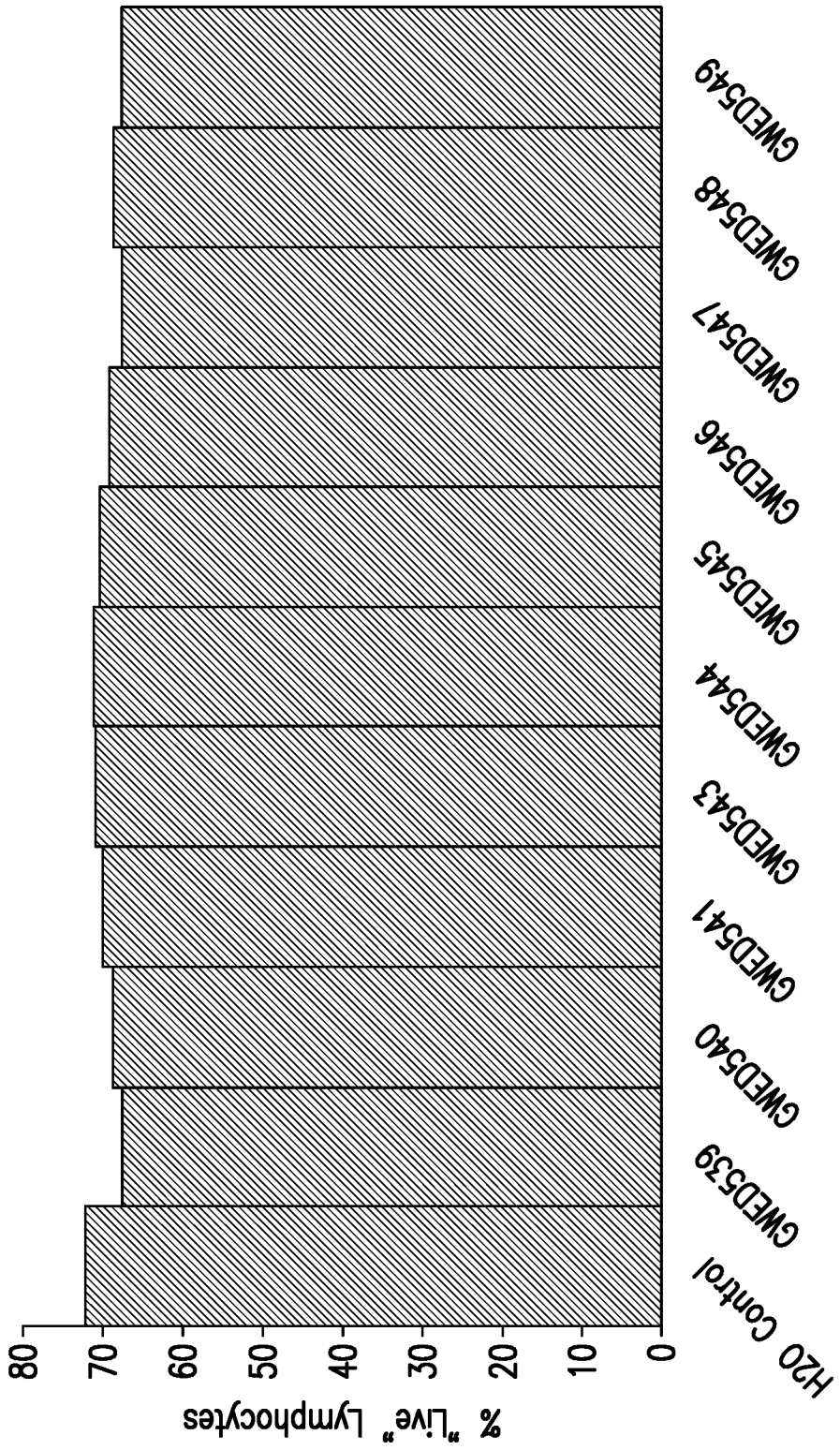

% "Live" Lymphocytes
0
10
20
30
40
50
60
70
80
H2O Control
GWED539
GWED540
GWED541
GWED543
GWED544
GWED545
GWED546
GWED547
GWED548
GWED549
crRNA ID

FIG. 4

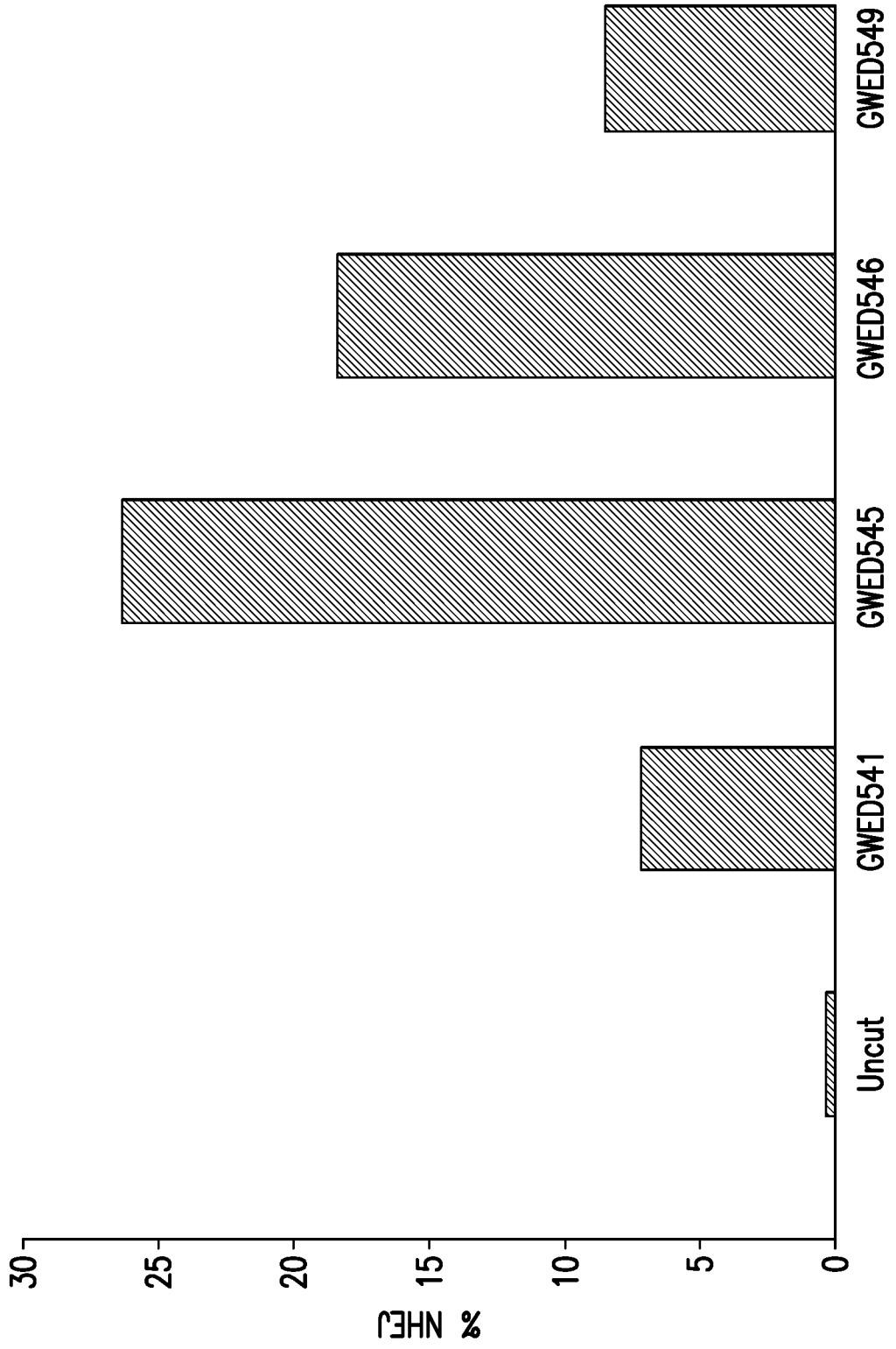

% NHEJ
30
25
20
15
10
5
0
Uncut
GWED541
GWED545
GWED546
GWED549
crRNA ID

FIG. 5

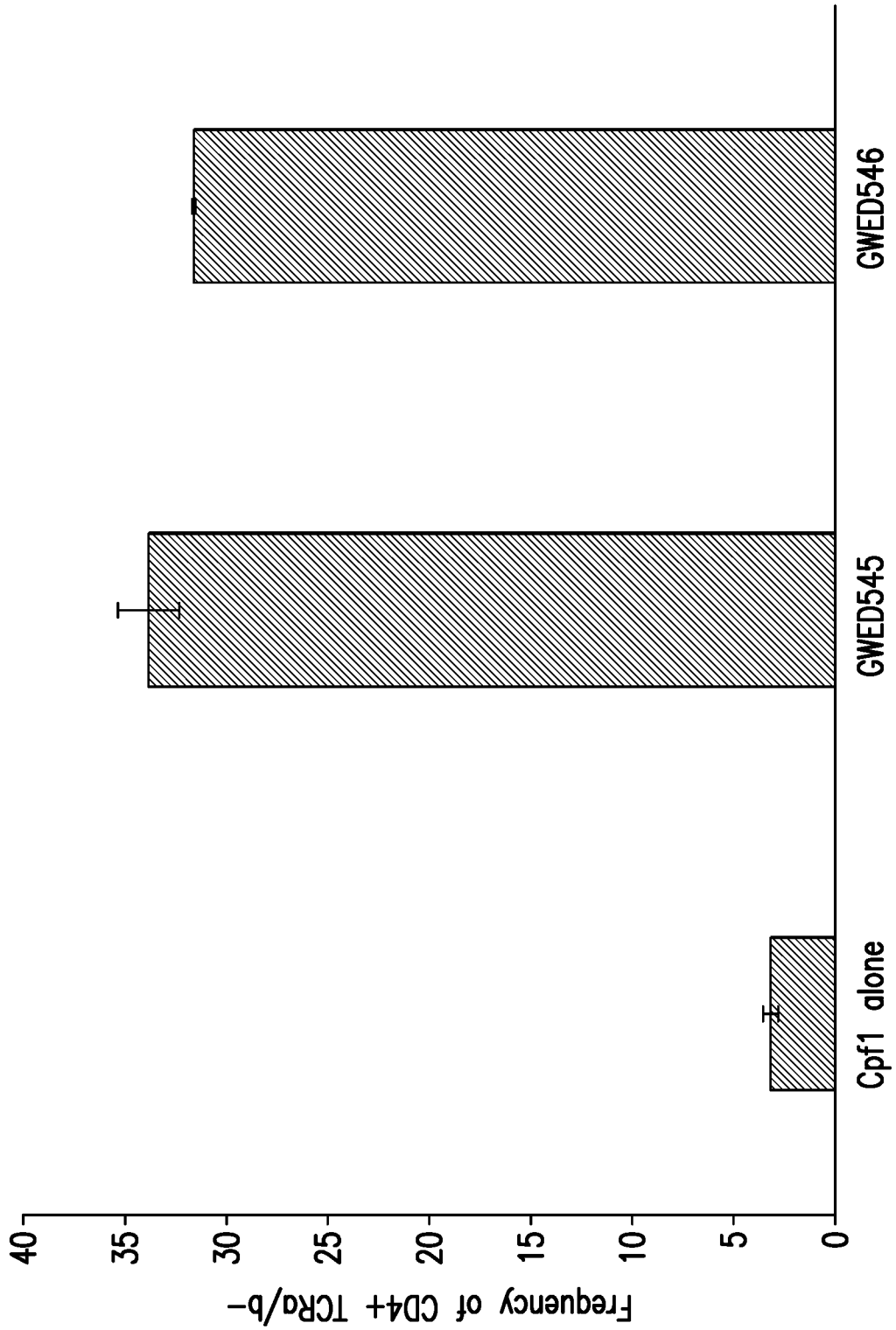

Frequency of CD4+ TCRa/b-
0
5
10
15
20
25
30
35
40
Cpf1 alone
GWED545
GWED546
crRNA ID

FIG. 6

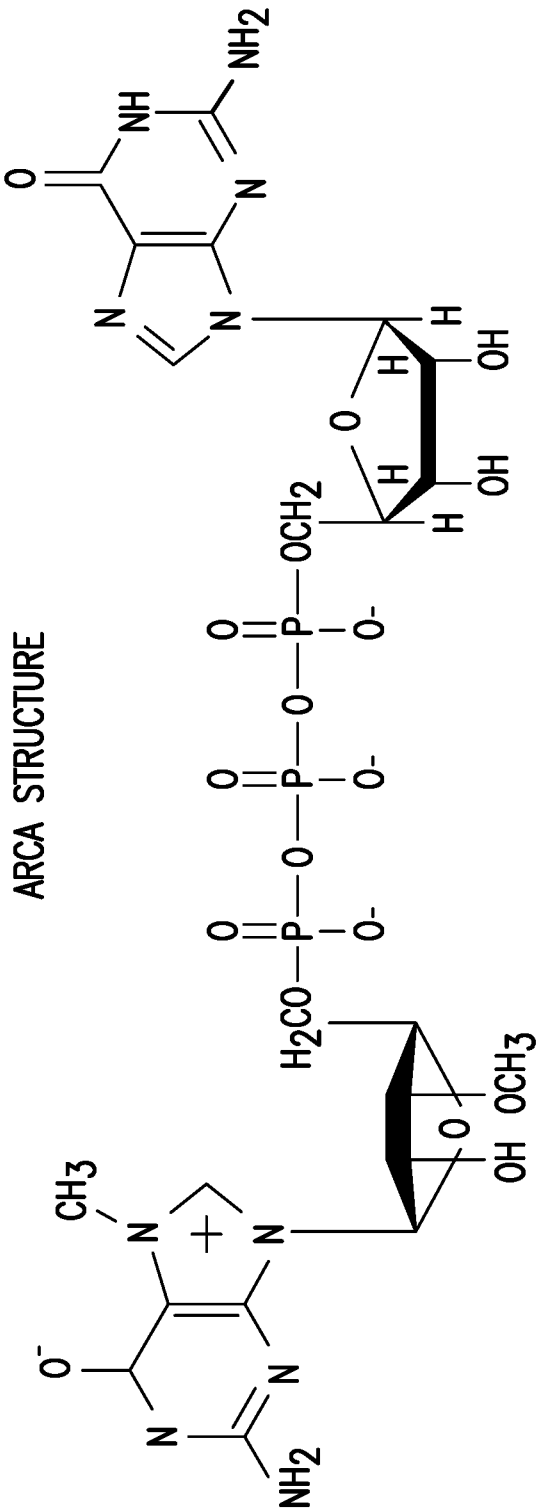

ARCA STRUCTURE
NH2
NH
O
N
N
N
H
OH
H
O
H
OH
H
OCH2
O
P
O-
O
P
O-
O
P
O-
H2CO
O
OH
OCH3
CH3
N
+
N
O-
N
N
NH2

FIG. 7