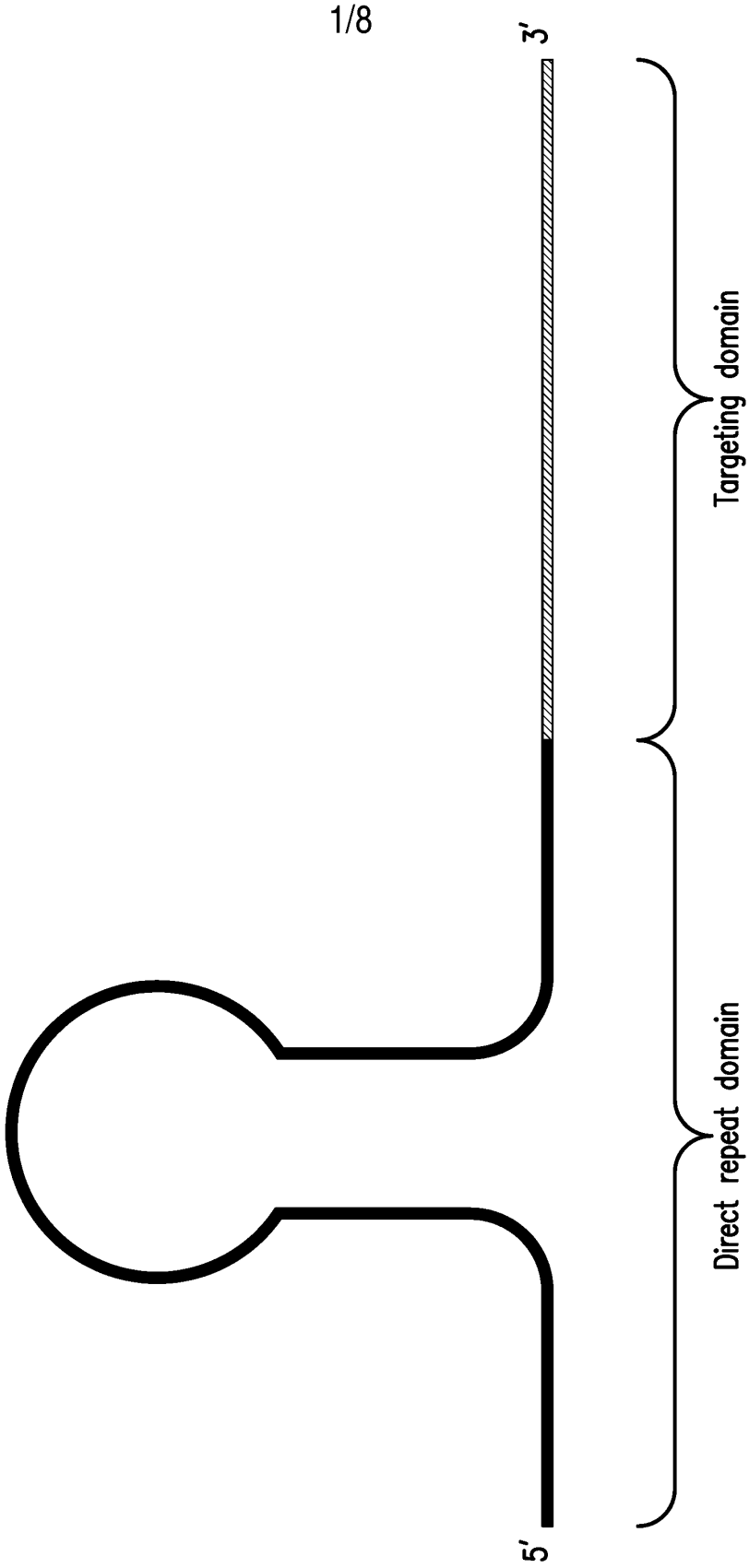
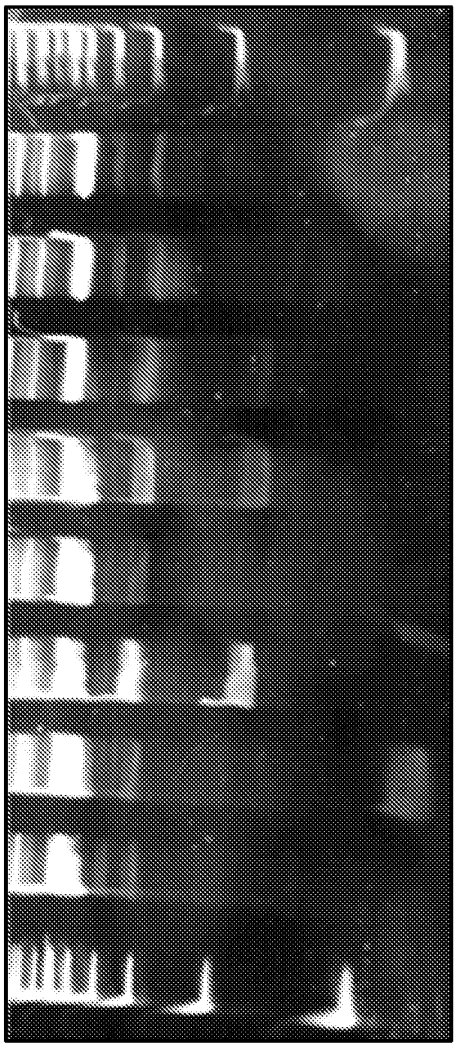



FIG. 1




| 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

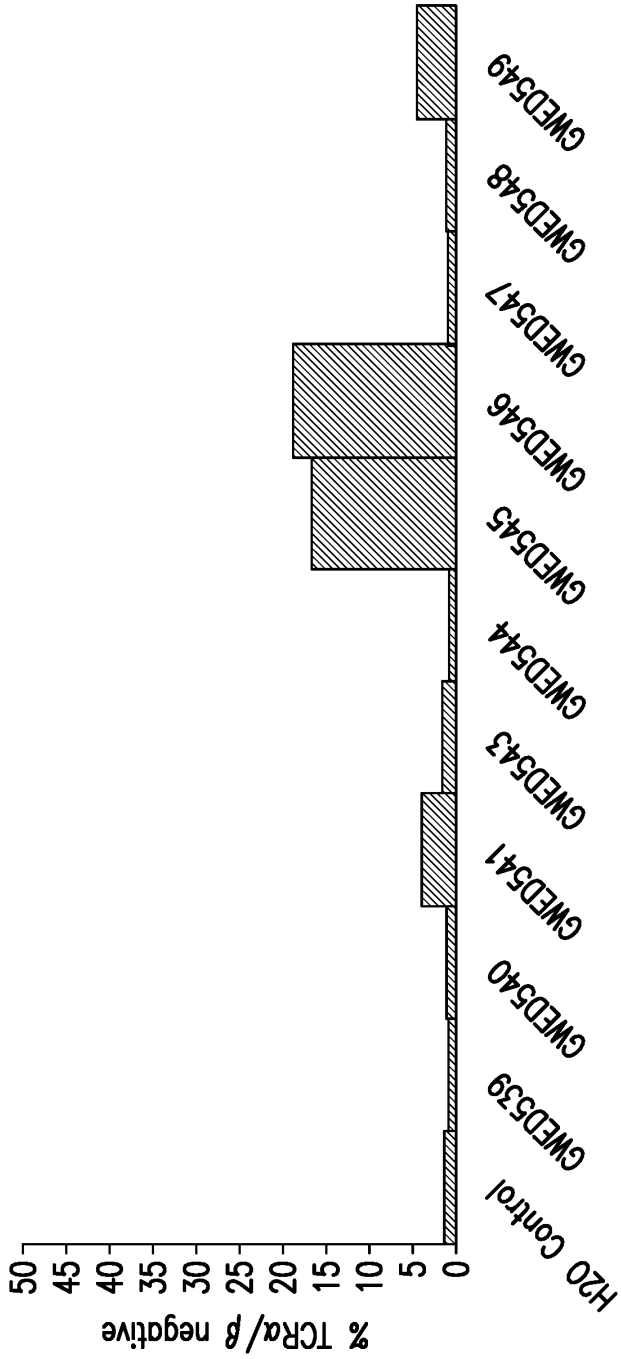

% TCRα/β negative
0
5
10
15
20
25
30
35
40
45
50
H2O Control
GWED539
GWED540
GWED541
GWED543
GWED544
GWED545
GWED546
GWED547
GWED548
GWED549
crRNA ID

FIG. 3A

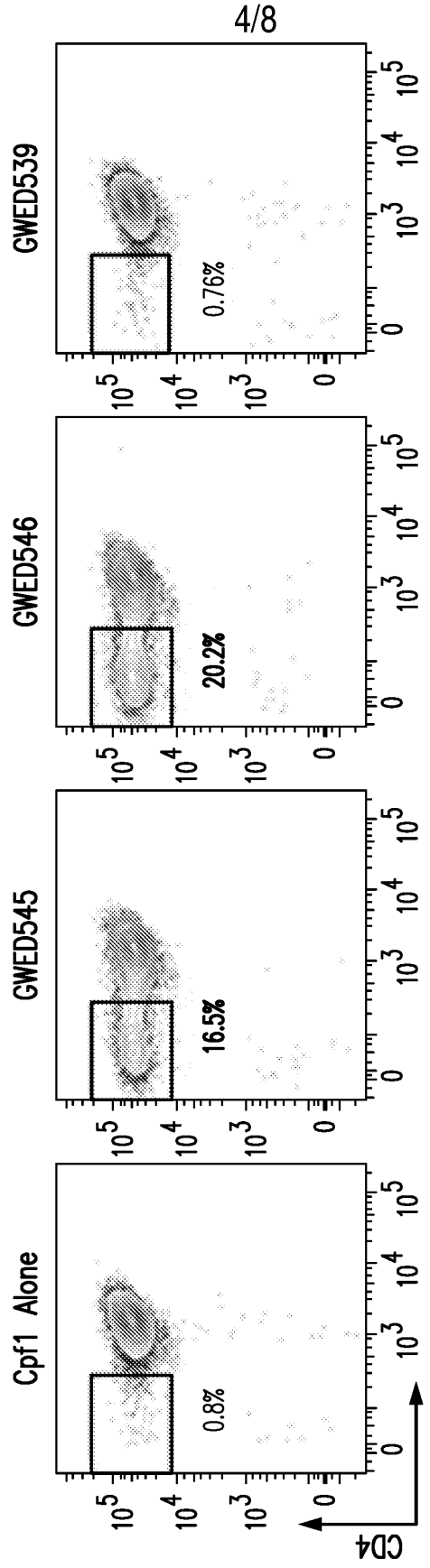



FIG. 3B

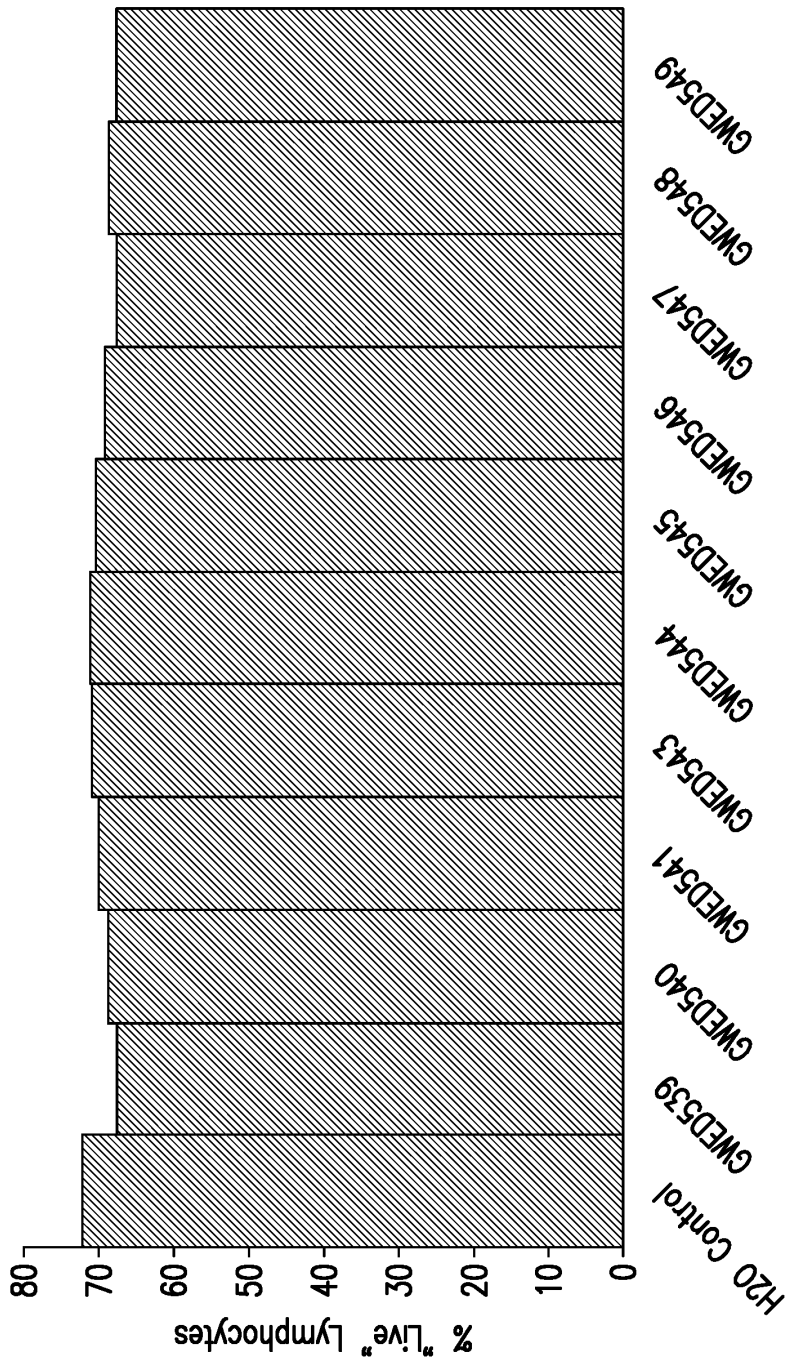

% "Live" Lymphocytes
0
10
20
30
40
50
60
70
80
H2O Control
GWED539
GWED540
GWED541
GWED543
GWED544
GWED545
GWED546
GWED547
GWED548
GWED549
crRNA ID

FIG. 4

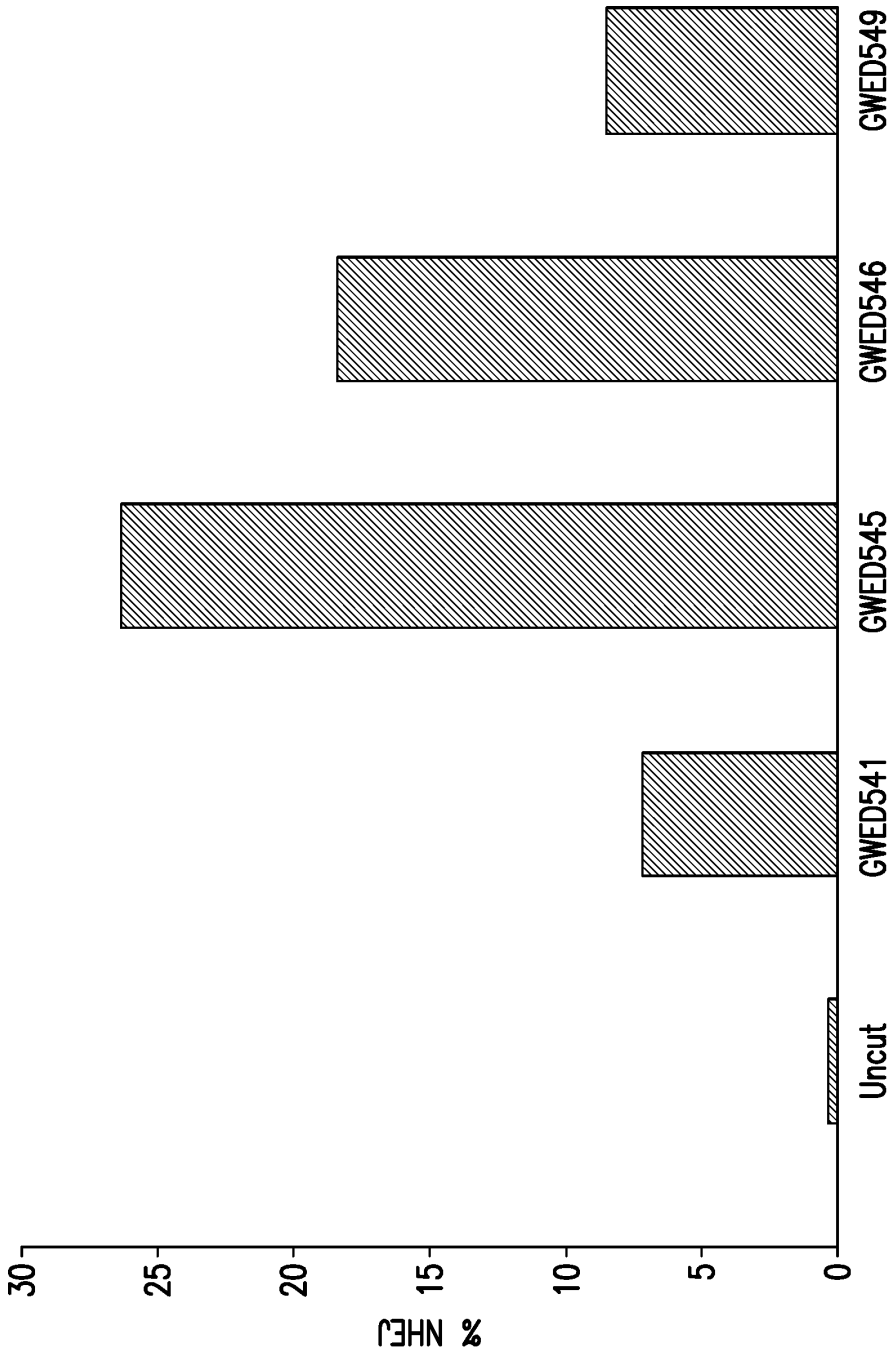

% NHEJ
30
25
20
15
10
5
0
Uncut
GWED541
GWED545
GWED546
GWED549
crRNA ID

FIG. 5

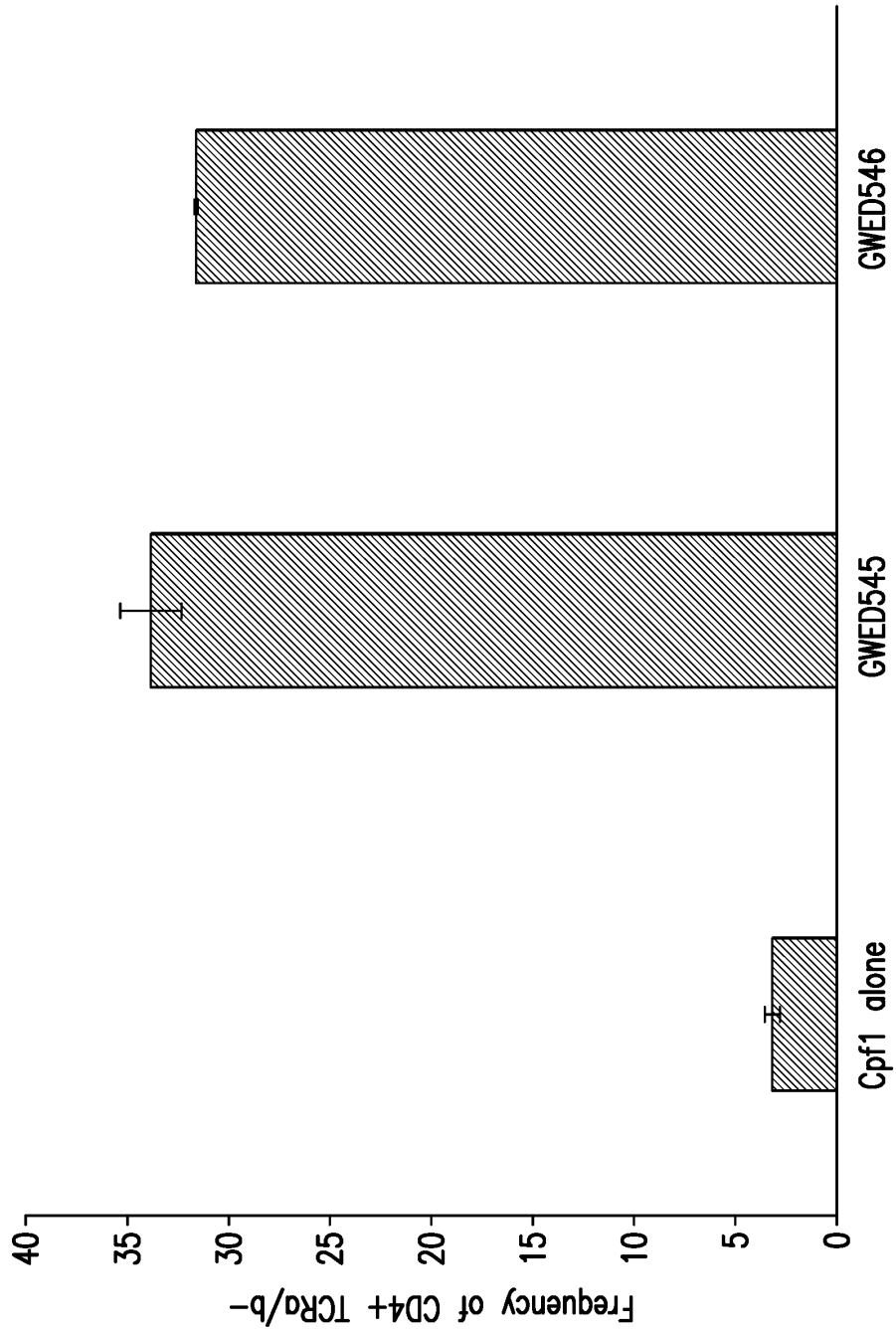

Frequency of CD4+ TCRa/b-
0
5
10
15
20
25
30
35
40
Cpf1 alone
GWED545
GWED546
crRNA ID

FIG. 6

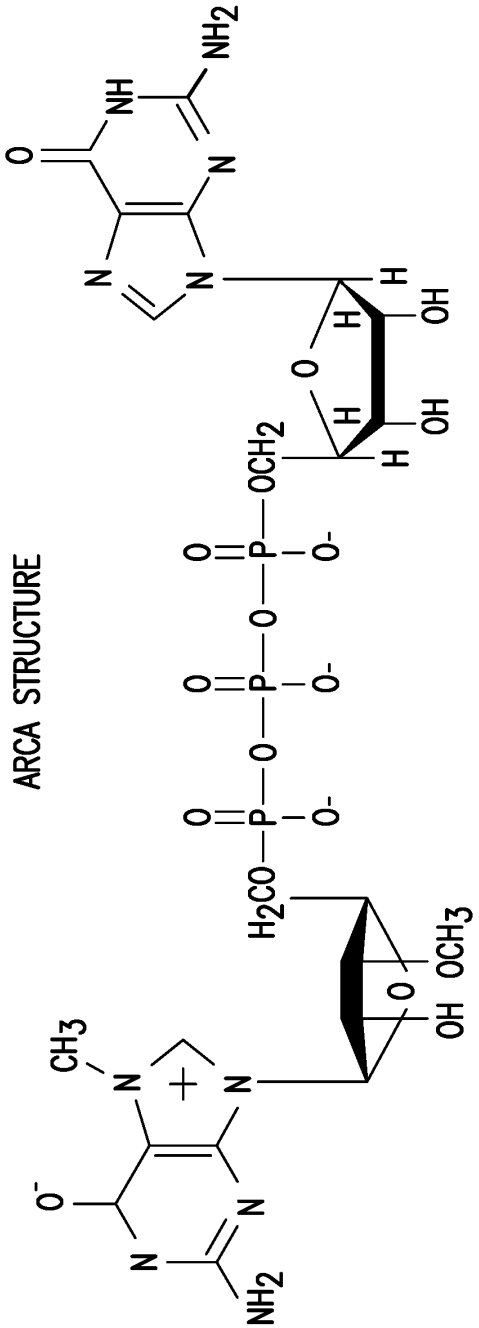

ARCA STRUCTURE
NH2
NH
O
N
N
N
H
OH
O
H
OH
H
OCH2
O
P
O-
O
P
O-
O
P
O-
H2CO
O
OH
OCH3
CH3
N
+
N
O-
N
N
NH2

FIG. 7