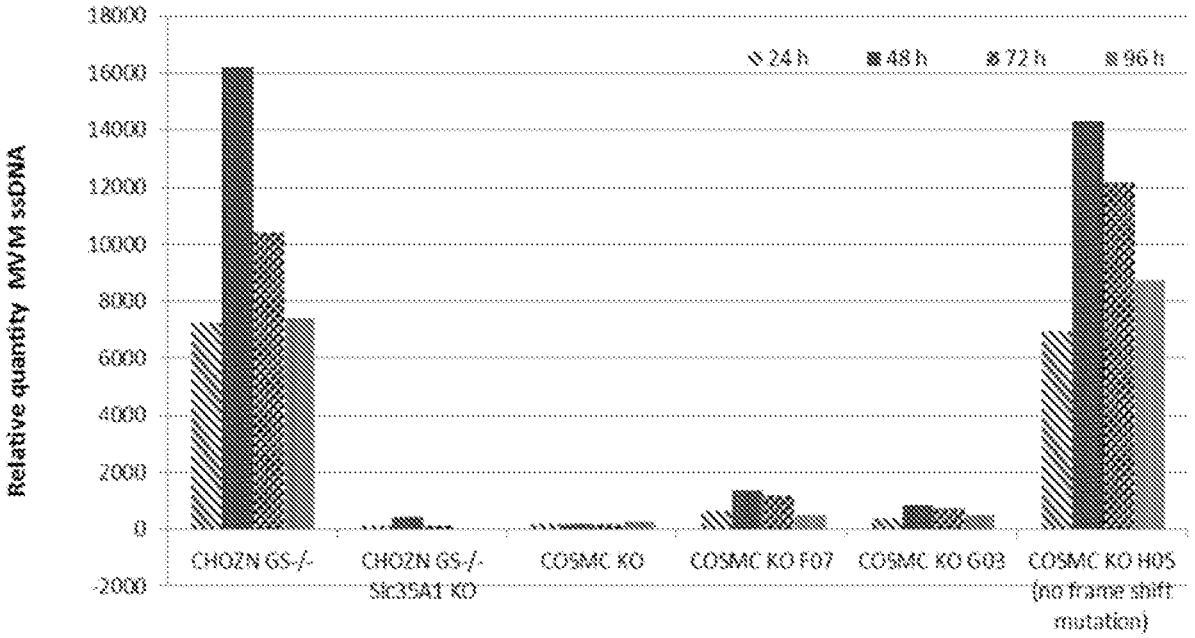

Relative quantity MVM ssDNA
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
24 h
48 h
72 h
96 h
CHOZN GS-/-
CHOZN GS-/- Slc35A1 KO
COSMC KO
COSMC KO F07
COSMC KO G03
COSMC KO H05 (no frame shift mutation)

FIG. 1

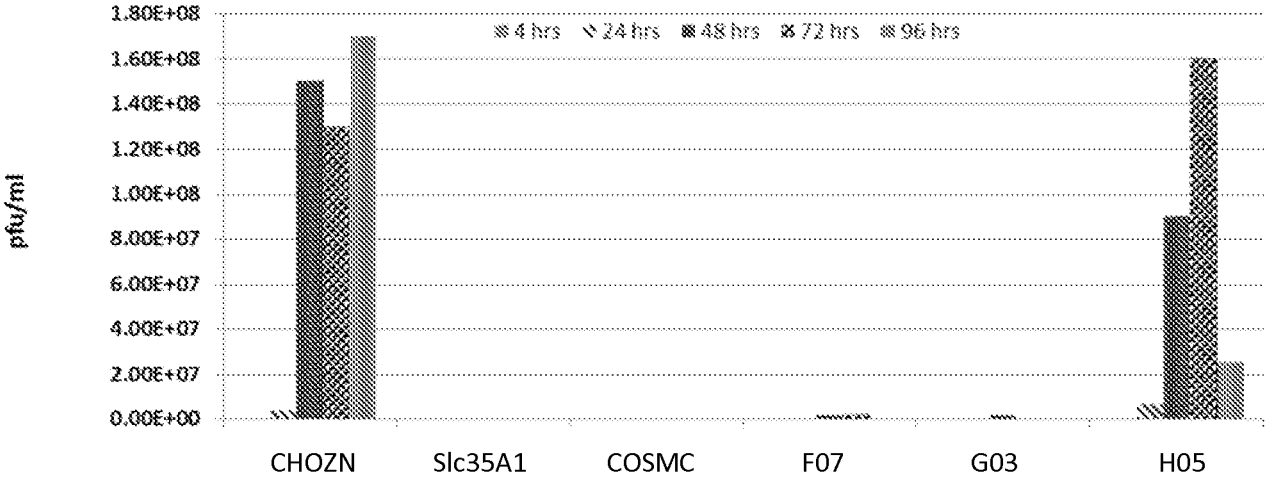
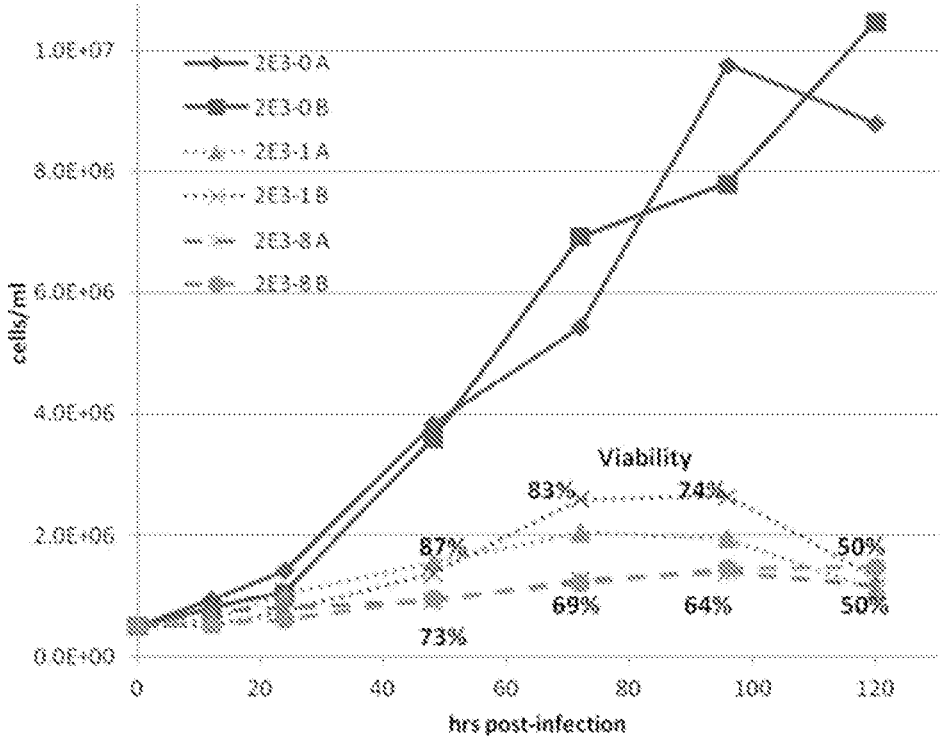

pfu/ml
1.80E+08
1.60E+08
1.40E+08
1.20E+08
1.00E+08
8.00E+07
6.00E+07
4.00E+07
2.00E+07
0.00E+00
4 hrs
24 hrs
48 hrs
72 hrs
96 hrs
CHOZN
Slc35A1
COSMC
F07
G03
H05

FIG. 2

A


1.0E+07
8.0E+06
6.0E+06
4.0E+06
2.0E+06
0.0E+00
cells/ml
2E3-0 A
2E3-0 B
2E3-1 A
2E3-1 B
2E3-8 A
2E3-8 B
Viability
83%
74%
87%
50%
73%
69%
64%
50%
0
20
40
60
80
100
120
hrs post-infection

B

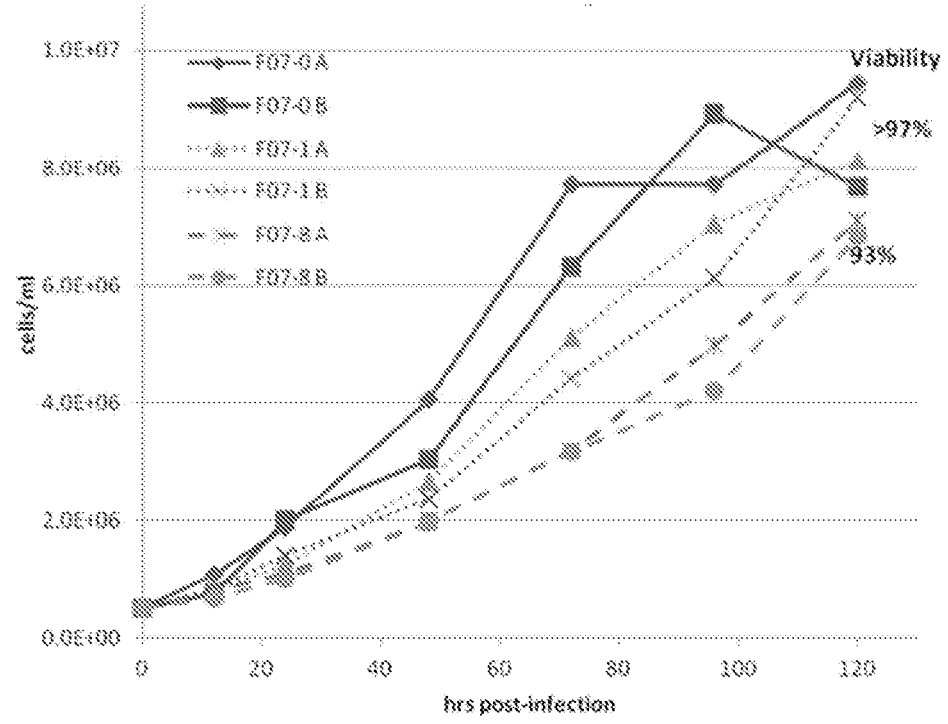
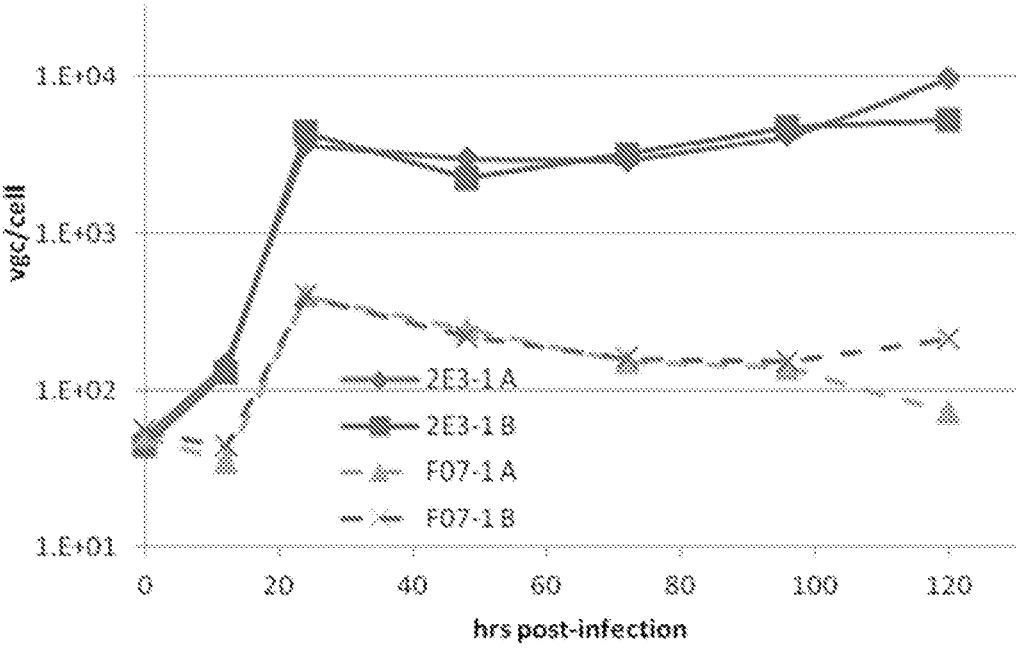

1.0E+07
8.0E+06
6.0E+06
4.0E+06
2.0E+06
0.0E+00
cells/ml
F07-0 A
F07-0 B
F07-1 A
F07-1 B
F07-8 A
F07-8 B
Viability
>97%
93%
0
20
40
60
80
100
120
hrs post-infection

FIG. 3

A


1.E+04
1.E+03
1.E+02
1.E+01
vgc/cell
0
20
40
60
80
100
120
hrs post-infection
2E3-1 A
2E3-1 B
F07-1 A
F07-1 B

B

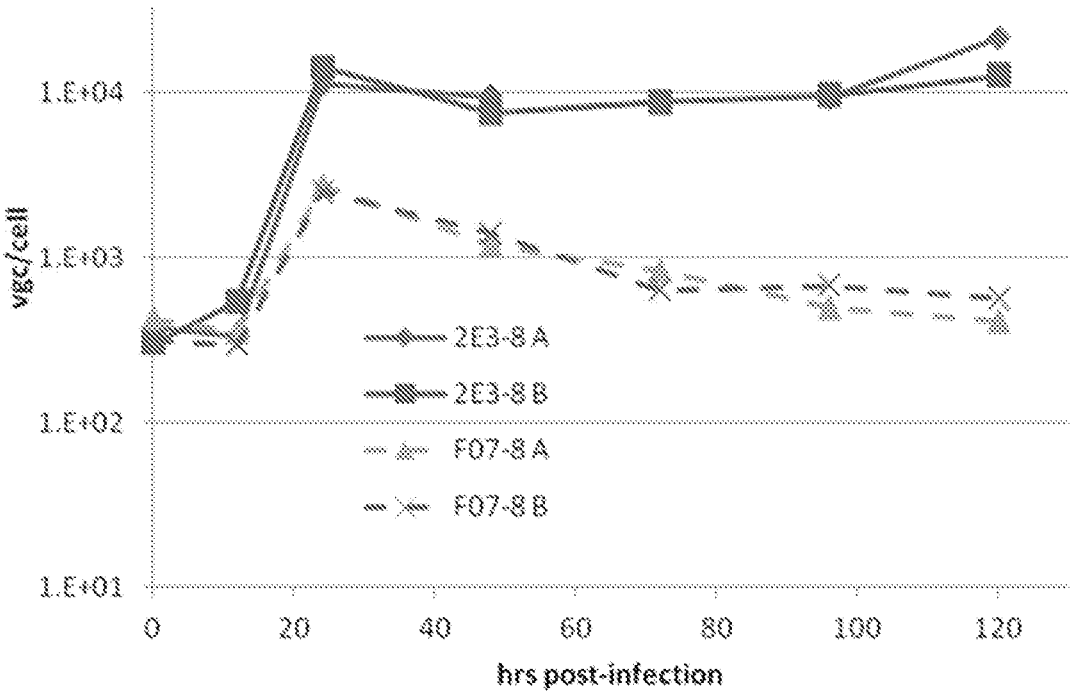
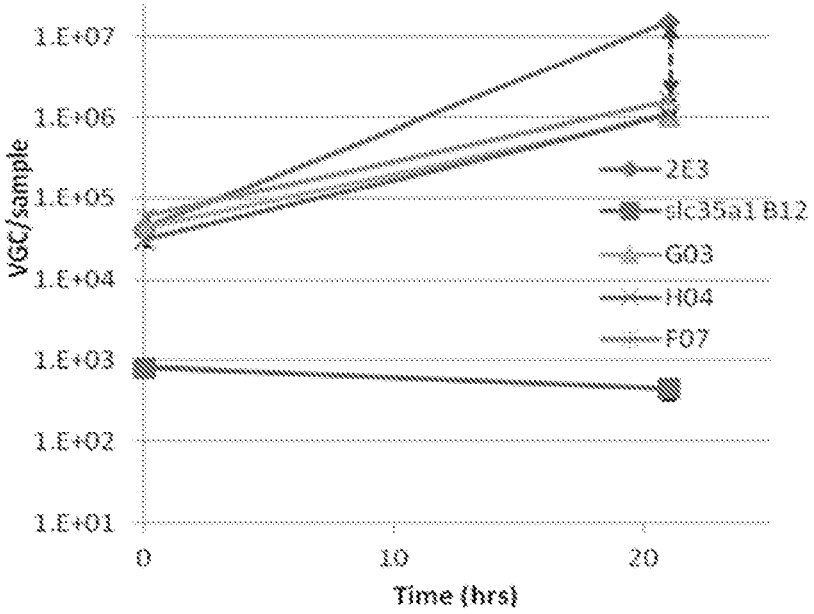

1.E+04
1.E+03
1.E+02
1.E+01
vgc/cell
0
20
40
60
80
100
120
hrs post-infection
2E3-8 A
2E3-8 B
F07-8 A
F07-8 B

FIG. 4

A


1.E+07
1.E+06
1.E+05
1.E+04
1.E+03
1.E+02
1.E+01
VGC/sample
0
10
20
Time (hrs)
2E3
slc35a1 B12
G03
H04
F07

B

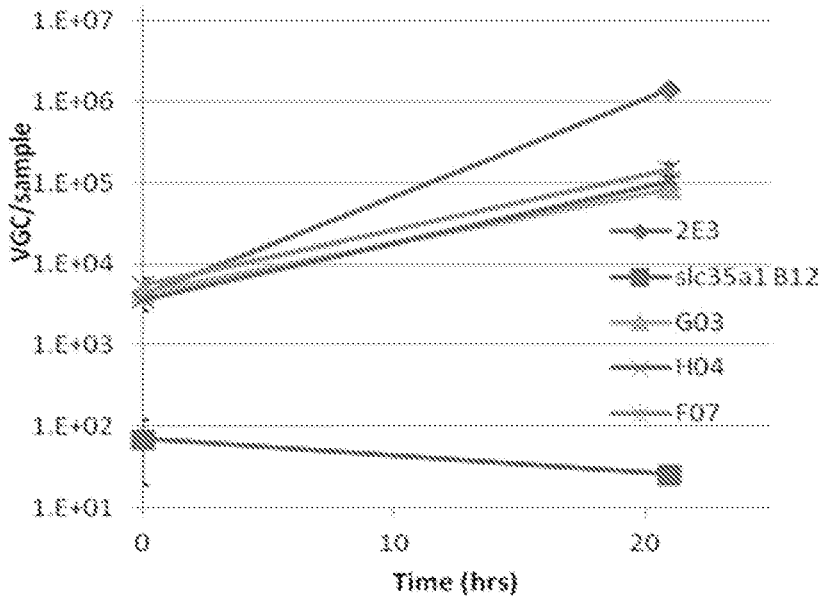

1.E+07
1.E+06
1.E+05
1.E+04
1.E+03
1.E+02
1.E+01
VGC/sample
0
10
20
Time (hrs)
2E3
slc35a1 B12
G03
H04
F07

FIG. 5

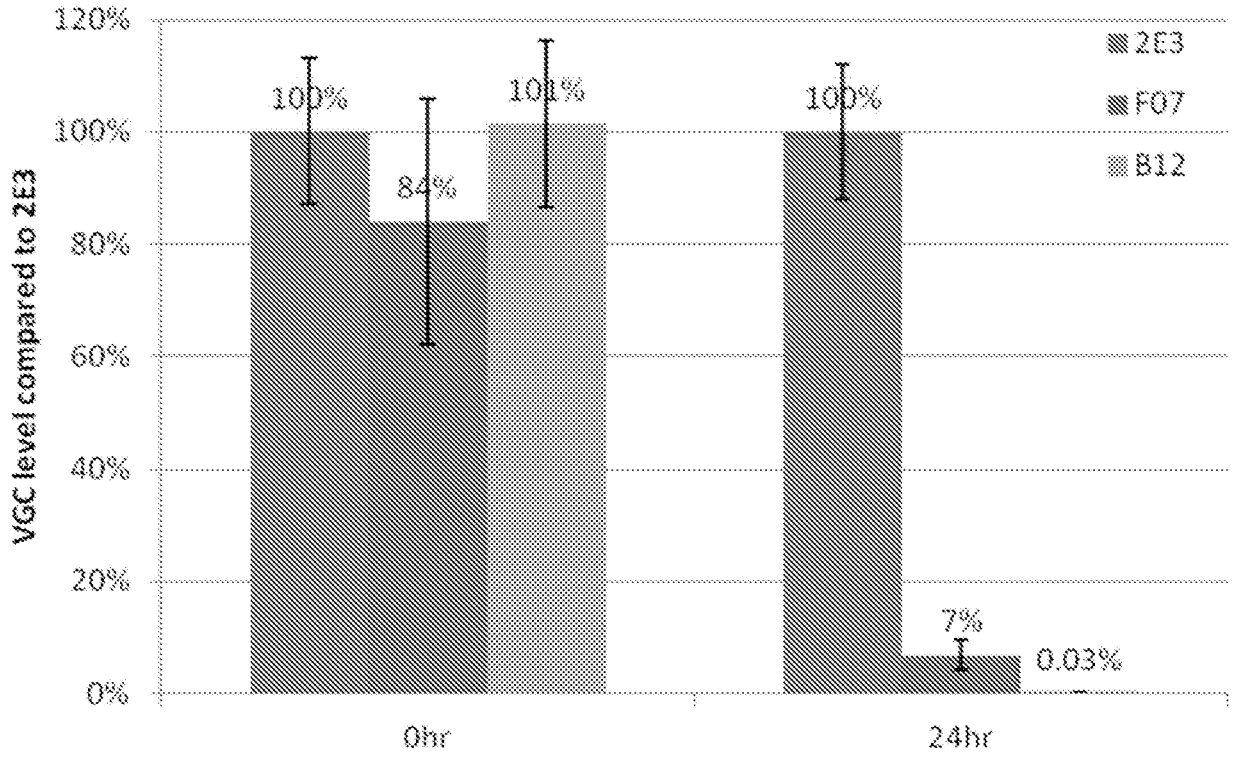
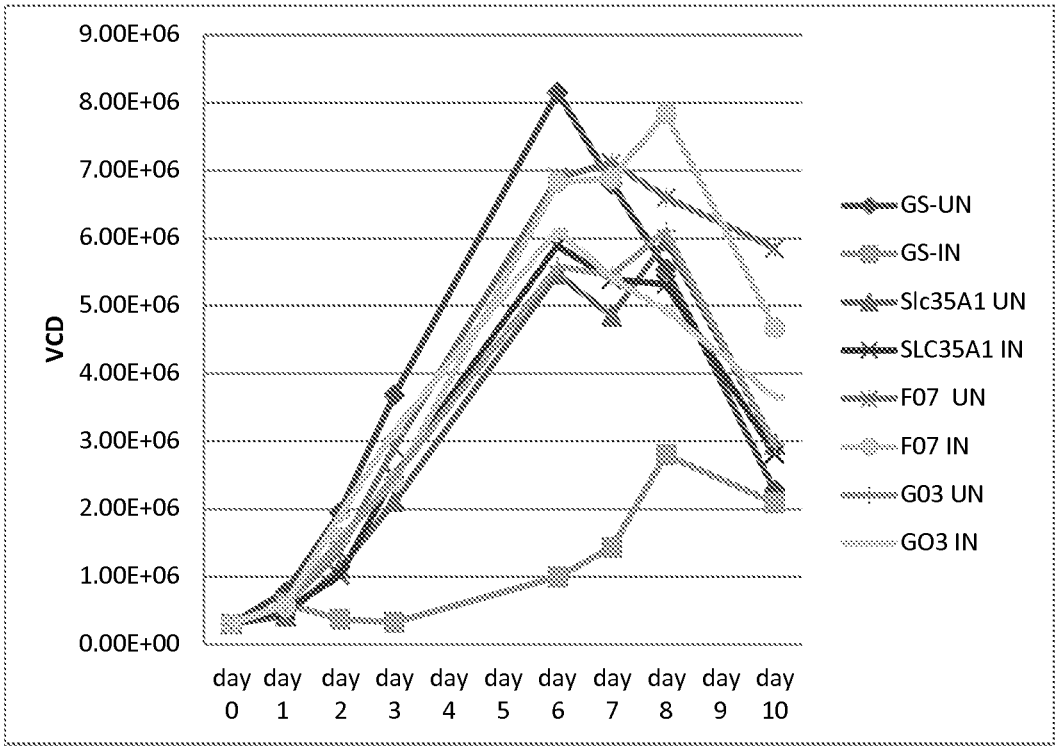

120%
100%
80%
60%
40%
20%
0%
VGC level compared to 2E3
100%
84%
101%
100%
7%
0.03%
0hr
24hr
2E3
F07
B12

FIG. 6

A


9.00E+06
8.00E+06
7.00E+06
6.00E+06
5.00E+06
4.00E+06
3.00E+06
2.00E+06
1.00E+06
0.00E+00
VCD
day 0
day 1
day 2
day 3
day 4
day 5
day 6
day 7
day 8
day 9
day 10
GS-UN
GS-IN
Slc35A1 UN
SLC35A1 IN
F07 UN
F07 IN
G03 UN
GO3 IN

B

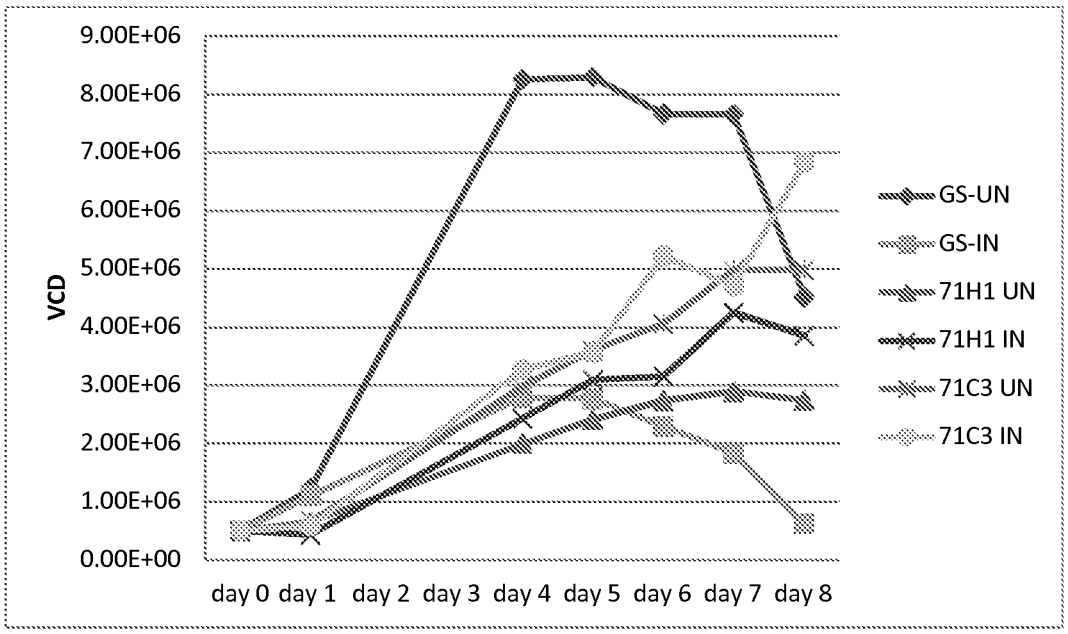

9.00E+06
8.00E+06
7.00E+06
6.00E+06
5.00E+06
4.00E+06
3.00E+06
2.00E+06
1.00E+06
0.00E+00
VCD
day 0
day 1
day 2
day 3
day 4
day 5
day 6
day 7
day 8
GS-UN
GS-IN
71H1 UN
71H1 IN
71C3 UN
71C3 IN

FIG. 7

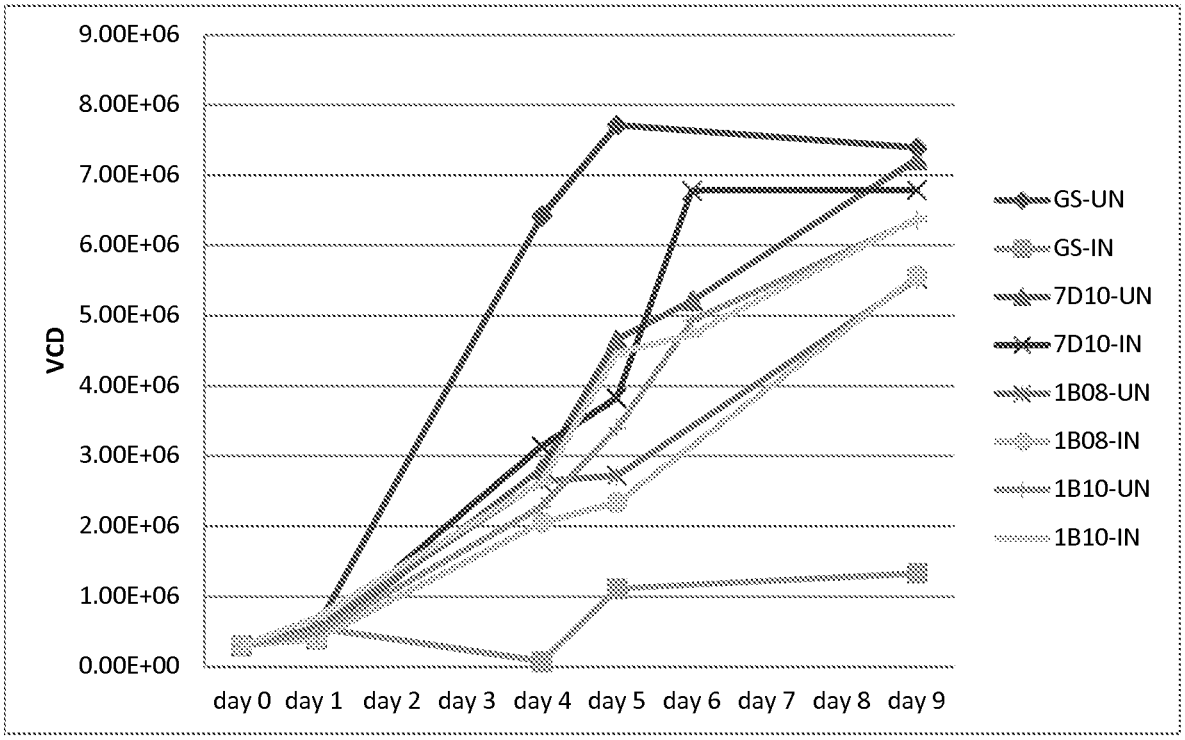

9.00E+06
8.00E+06
7.00E+06
6.00E+06
5.00E+06
4.00E+06
3.00E+06
2.00E+06
1.00E+06
0.00E+00
VCD
day 0
day 1
day 2
day 3
day 4
day 5
day 6
day 7
day 8
day 9
GS-UN
GS-IN
7D10-UN
7D10-IN
1B08-UN
1B08-IN
1B10-UN
1B10-IN

FIG. 8