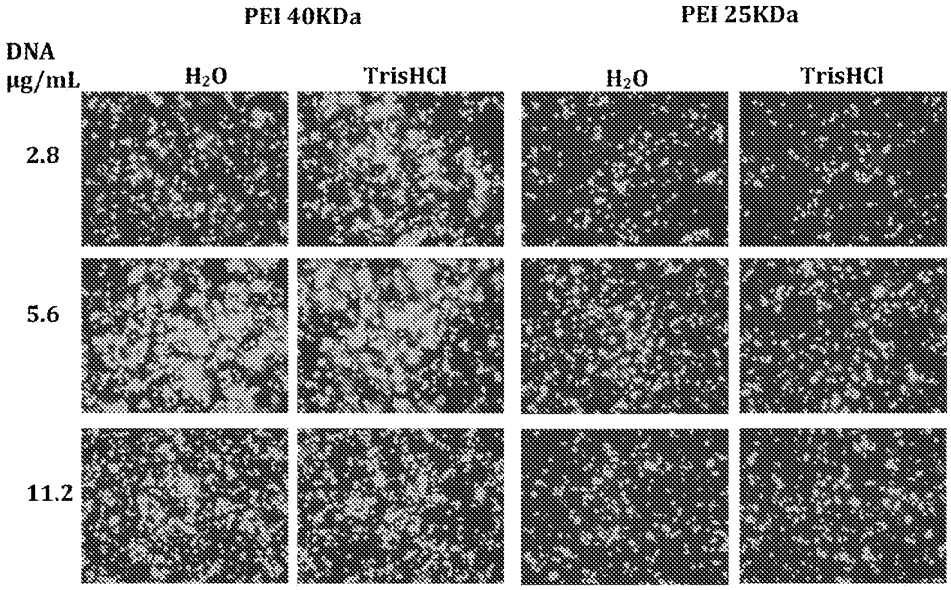

PEI 40KDa
PEI 25KDa
DNA
µg/mL
H2O
TrisHCl
H2O
TrisHCl
2.8
5.6
11.2

FIG. 1

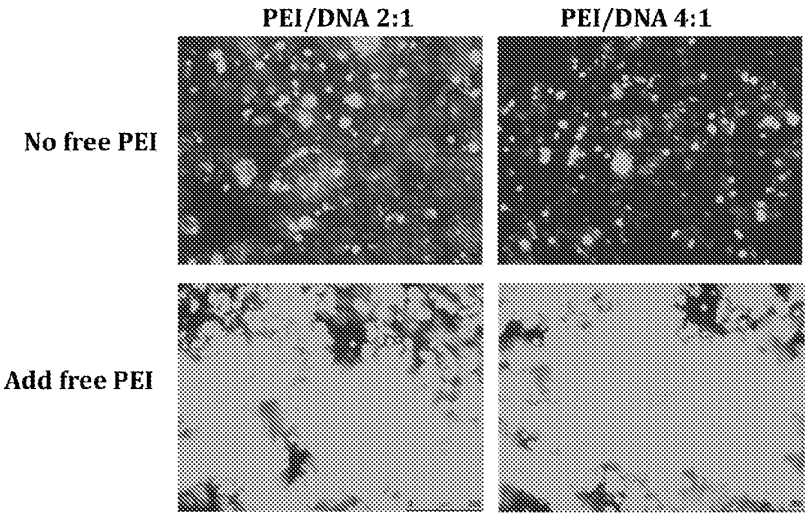

PEI/DNA 2:1
PEI/DNA 4:1
No free PEI
Add free PEI

FIG. 2A

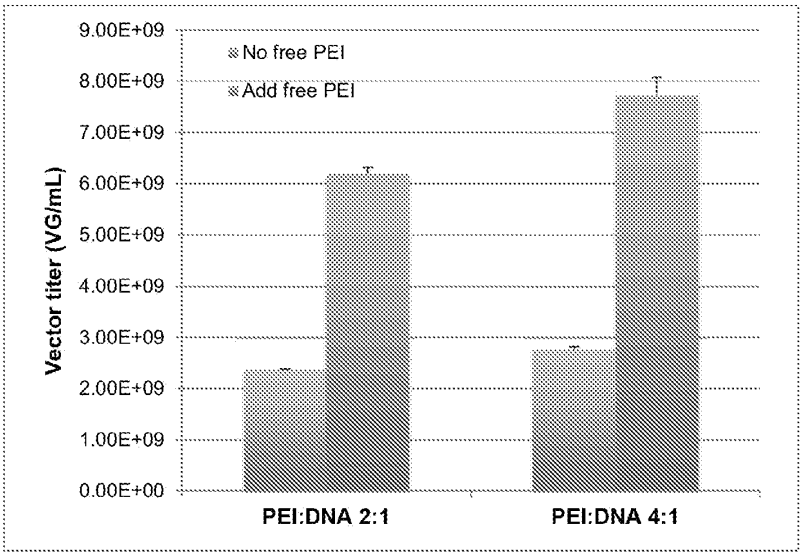

9.00E+09
8.00E+09
7.00E+09
6.00E+09
5.00E+09
4.00E+09
3.00E+09
2.00E+09
1.00E+09
0.00E+00
Vector titer (VG/mL)
No free PEI
Add free PEI
PEI:DNA 2:1
PEI:DNA 4:1

FIG. 2B

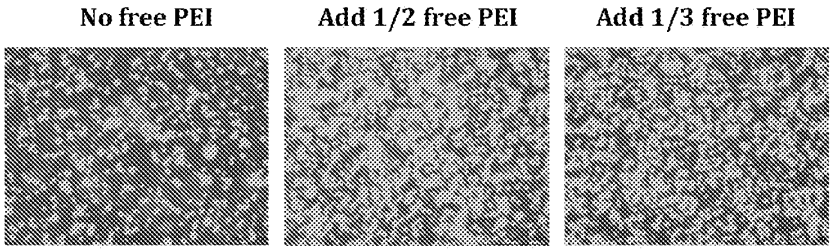

No free PEI
Add 1/2 free PEI
Add 1/3 free PEI

FIG. 3A

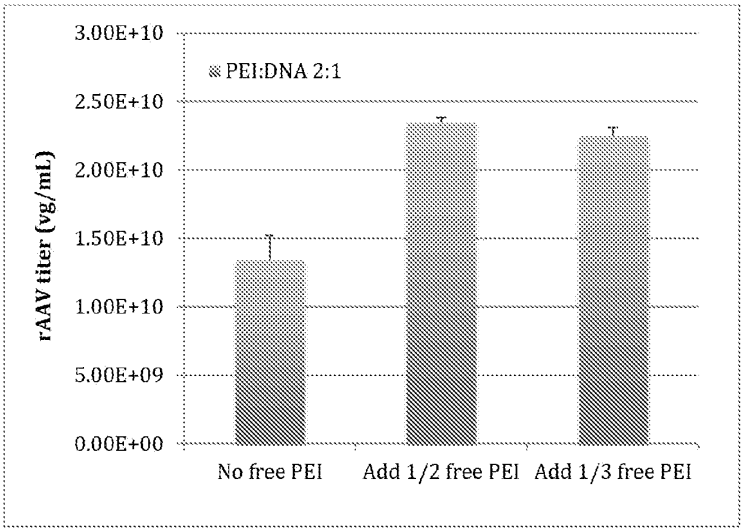

3.00E+10
2.50E+10
2.00E+10
1.50E+10
1.00E+10
5.00E+09
0.00E+00
rAAV titer (vg/mL)
PEI:DNA 2:1
No free PEI
Add 1/2 free PEI
Add 1/3 free PEI

FIG. 3B

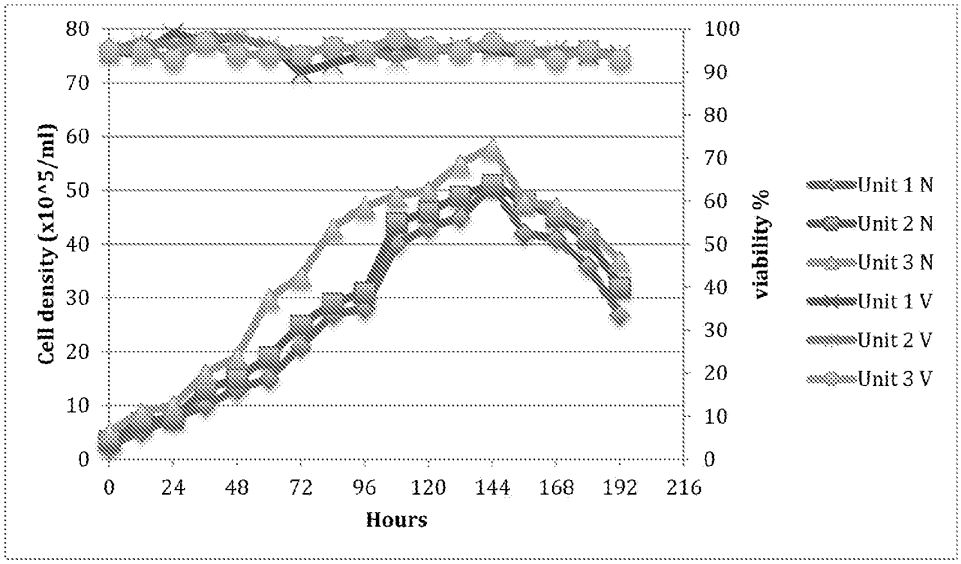

Cell density (x10^5/ml)
viability %
Hours
0
10
20
30
40
50
60
70
80
90
100
0
24
48
72
96
120
144
168
192
216
Unit 1 N
Unit 2 N
Unit 3 N
Unit 1 V
Unit 2 V
Unit 3 V

FIG. 4

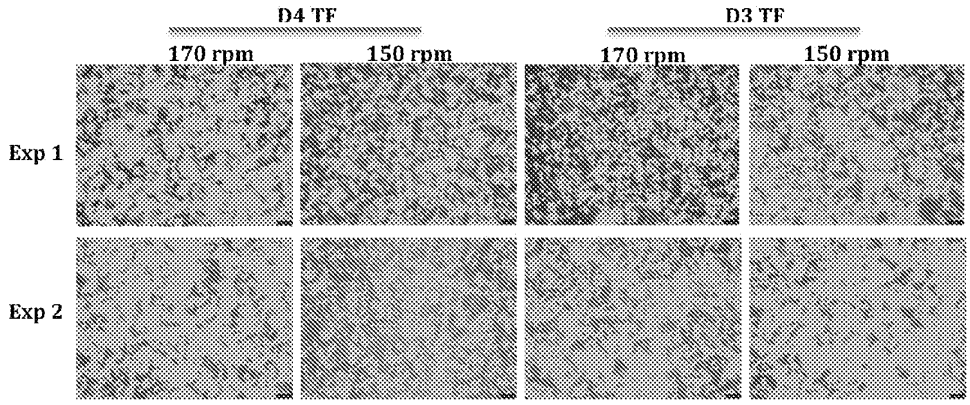

D4 TF
D3 TF
170 rpm
150 rpm
170 rpm
150 rpm
Exp 1
Exp 2

FIG. 5A

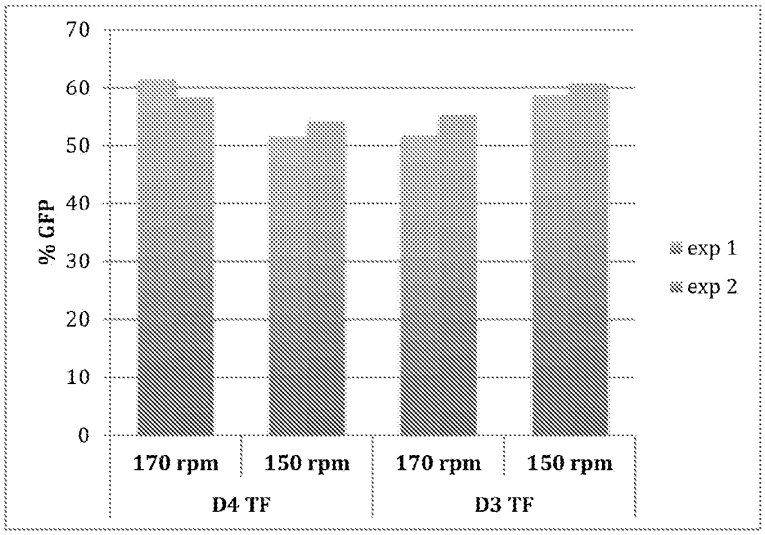

70
60
50
40
30
20
10
0
% GFP
exp 1
exp 2
170 rpm
150 rpm
170 rpm
150 rpm
D4 TF
D3 TF

FIG. 5B

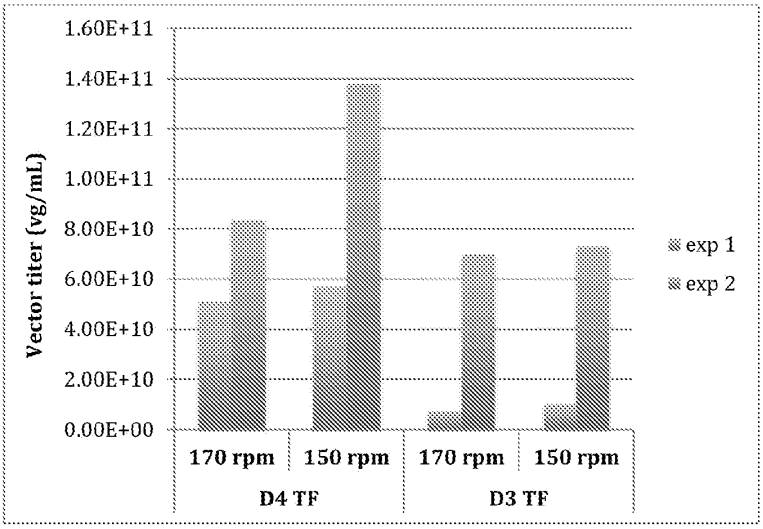

1.60E+11
1.40E+11
1.20E+11
1.00E+11
8.00E+10
6.00E+10
4.00E+10
2.00E+10
0.00E+00
Vector titer (vg/mL)
exp 1
exp 2
170 rpm
150 rpm
170 rpm
150 rpm
D4 TF
D3 TF

FIG. 6A

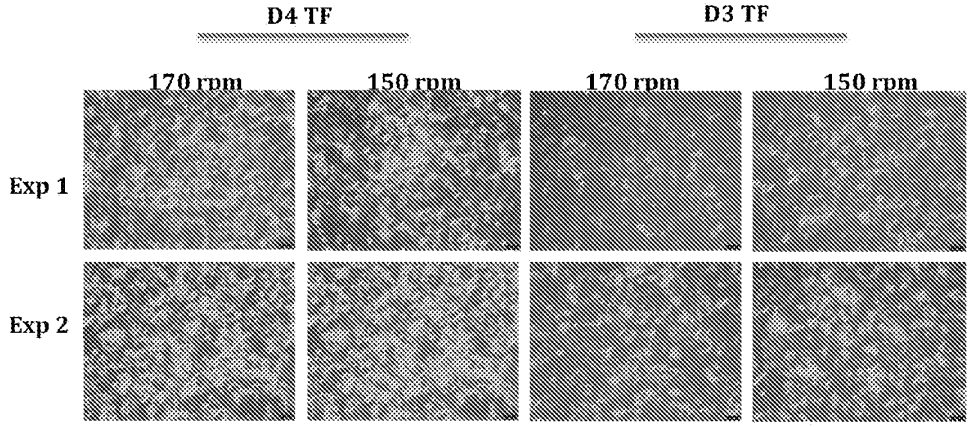

D4 TF
D3 TF
170 rpm
150 rpm
170 rpm
150 rpm
Exp 1
Exp 2

FIG. 6B