Figures

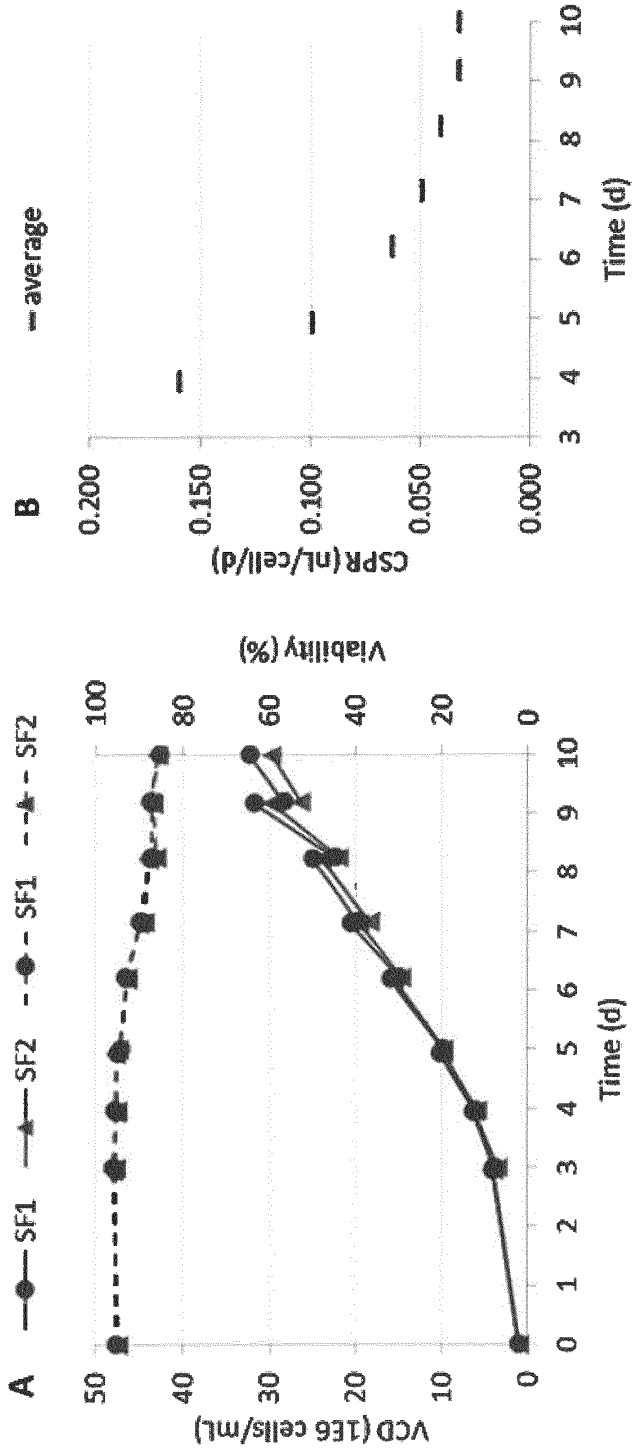


Figure 1

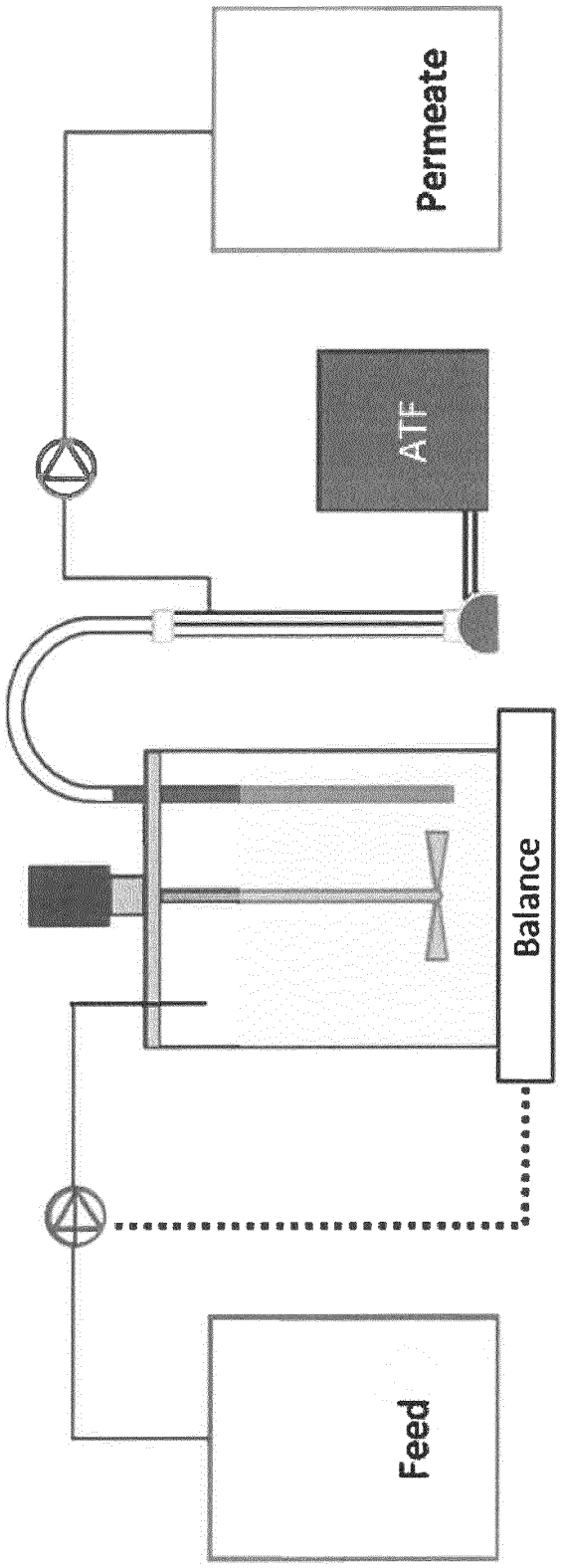


Figure 2

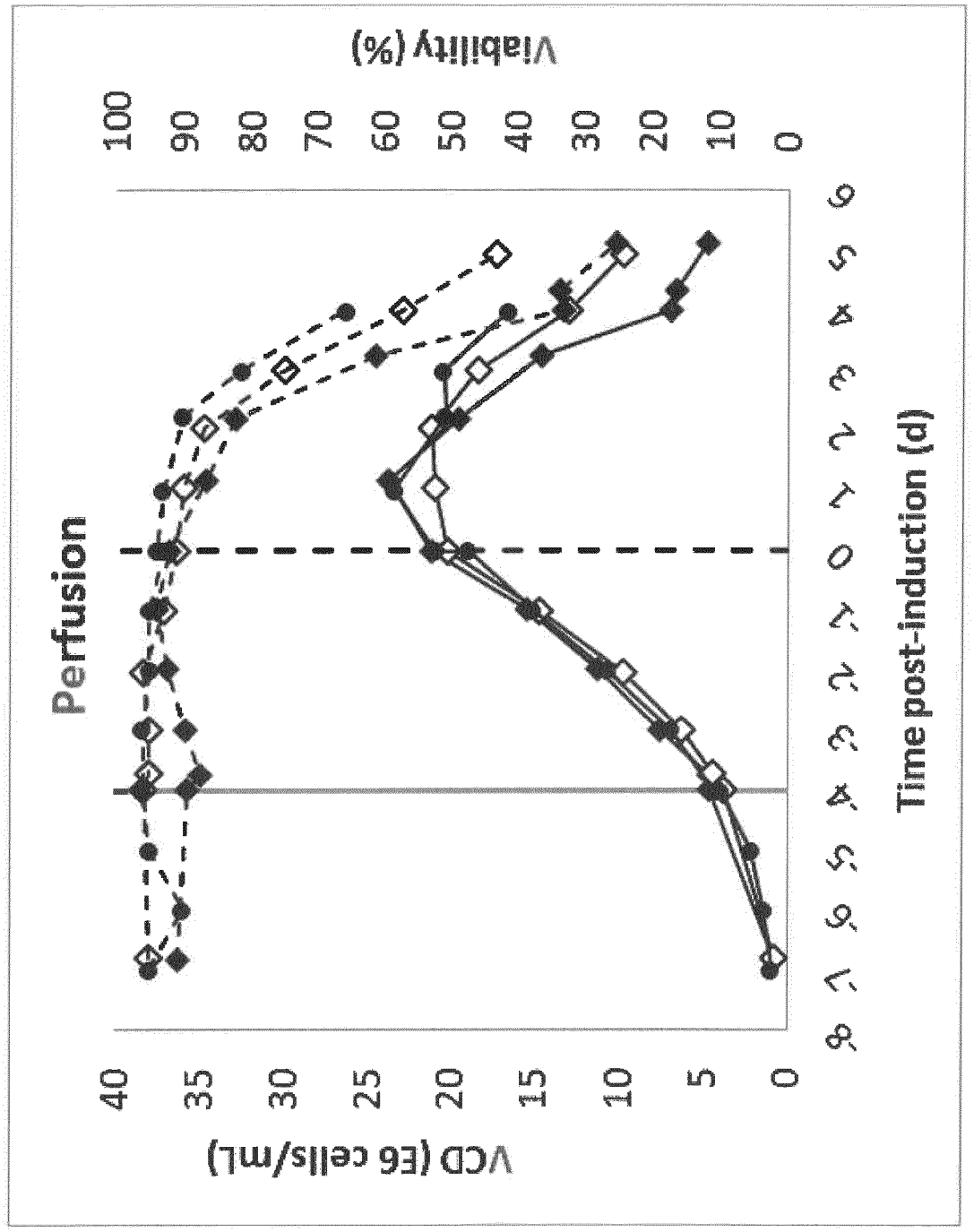

Viability (%)
100
90
80
70
60
50
40
30
20
10
0
Perfusion
VCD (E6 cells/mL)
40
35
30
25
20
15
10
5
0
Time post-induction (d)
0
1
2
3
4
5
6
7
8
9

Figure 3

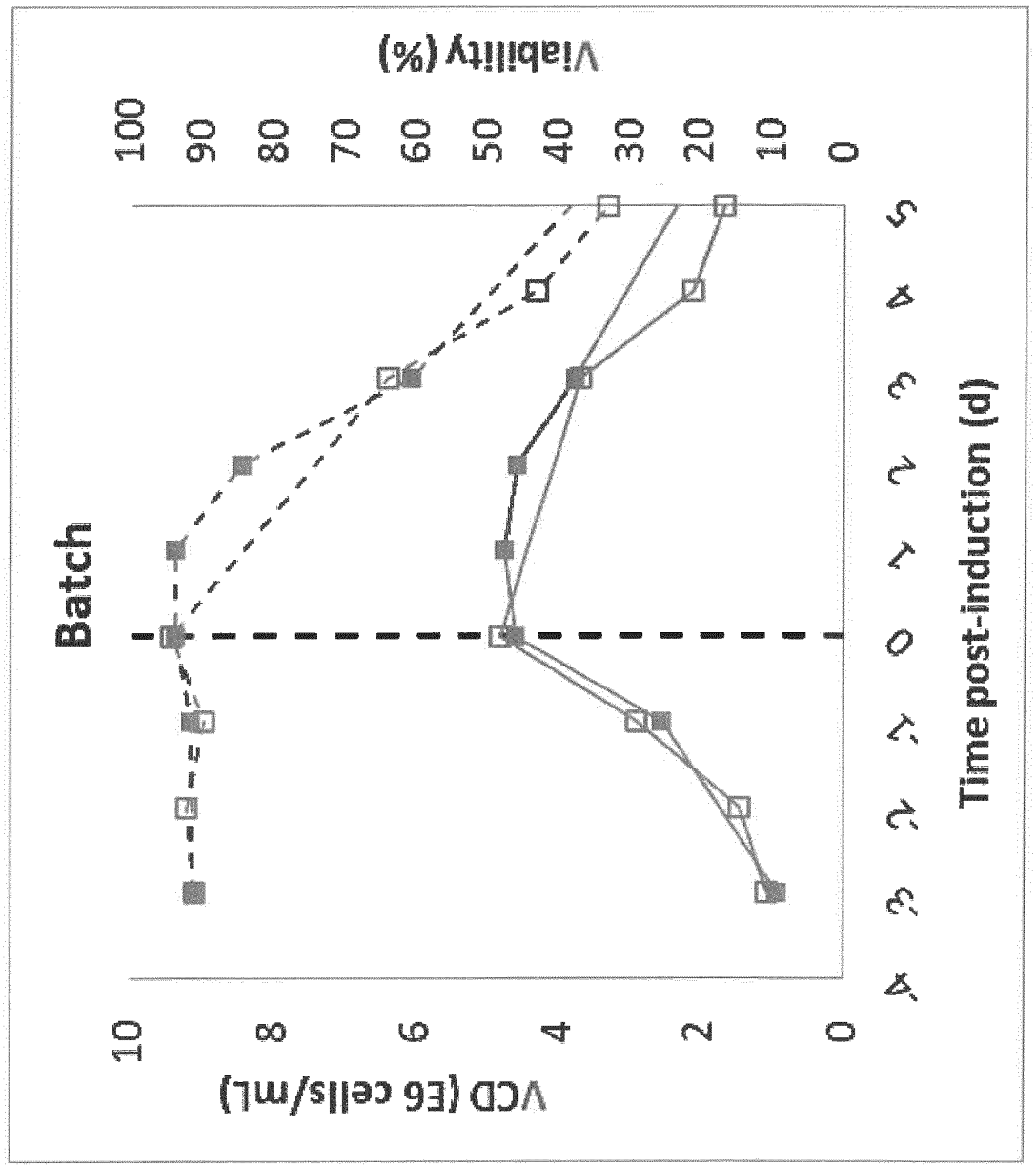

Viability (%)
100
90
80
70
60
50
40
30
20
10
0
Batch
VCD (E6 cells/mL)
10
8
6
4
2
0
Time post-induction (d)
0
1
2
3
4
5

Figure 4

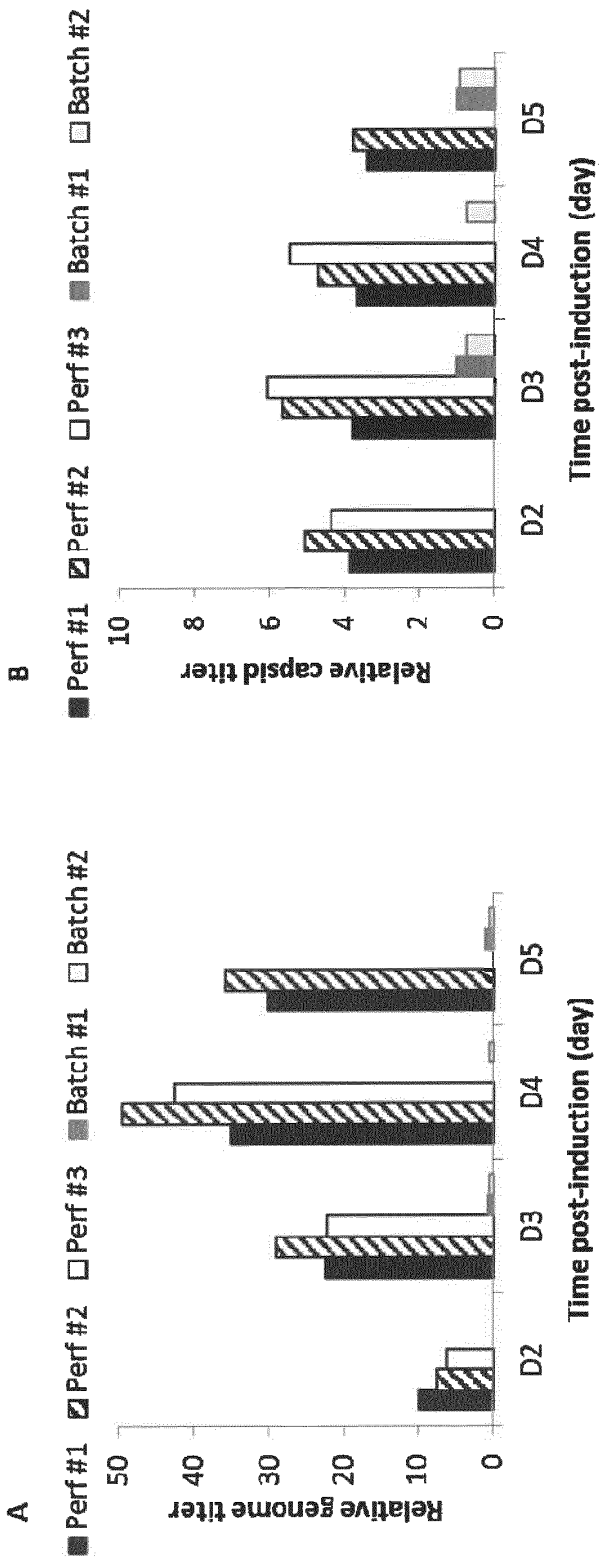

A
Perf #1
Perf #2
Perf #3
Batch #1
Batch #2
Relative genome titer
0
10
20
30
40
50
D2
D3
D4
D5
Time post-induction (day)
B
Perf #1
Perf #2
Perf #3
Batch #1
Batch #2
Relative capsid titer
0
2
4
6
8
10
D2
D3
D4
D5
Time post-induction (day)

Figure 5

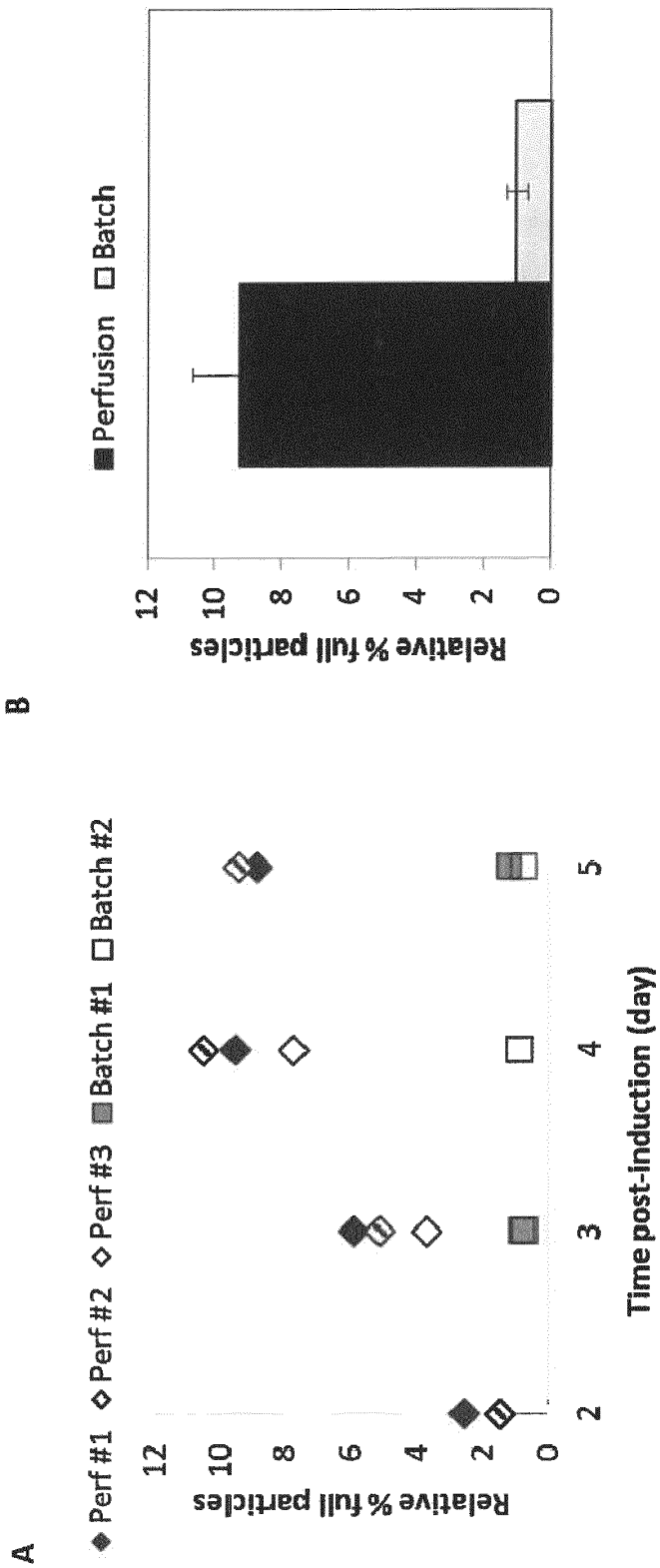

A
Perf #1
Perf #2
Perf #3
Batch #1
Batch #2
Relative % full particles
0
2
4
6
8
10
12
2
3
4
5
Time post-induction (day)
B
Perfusion
Batch
Relative % full particles
0
2
4
6
8
10
12

Figure 6

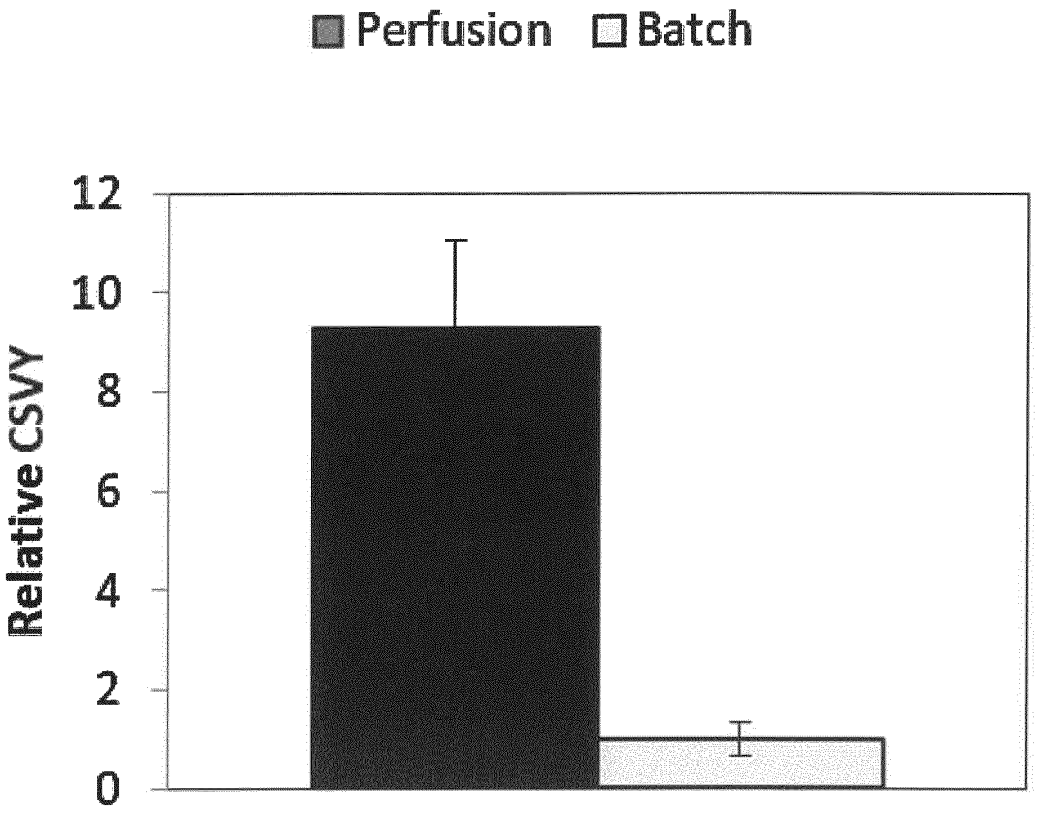


Figure 7

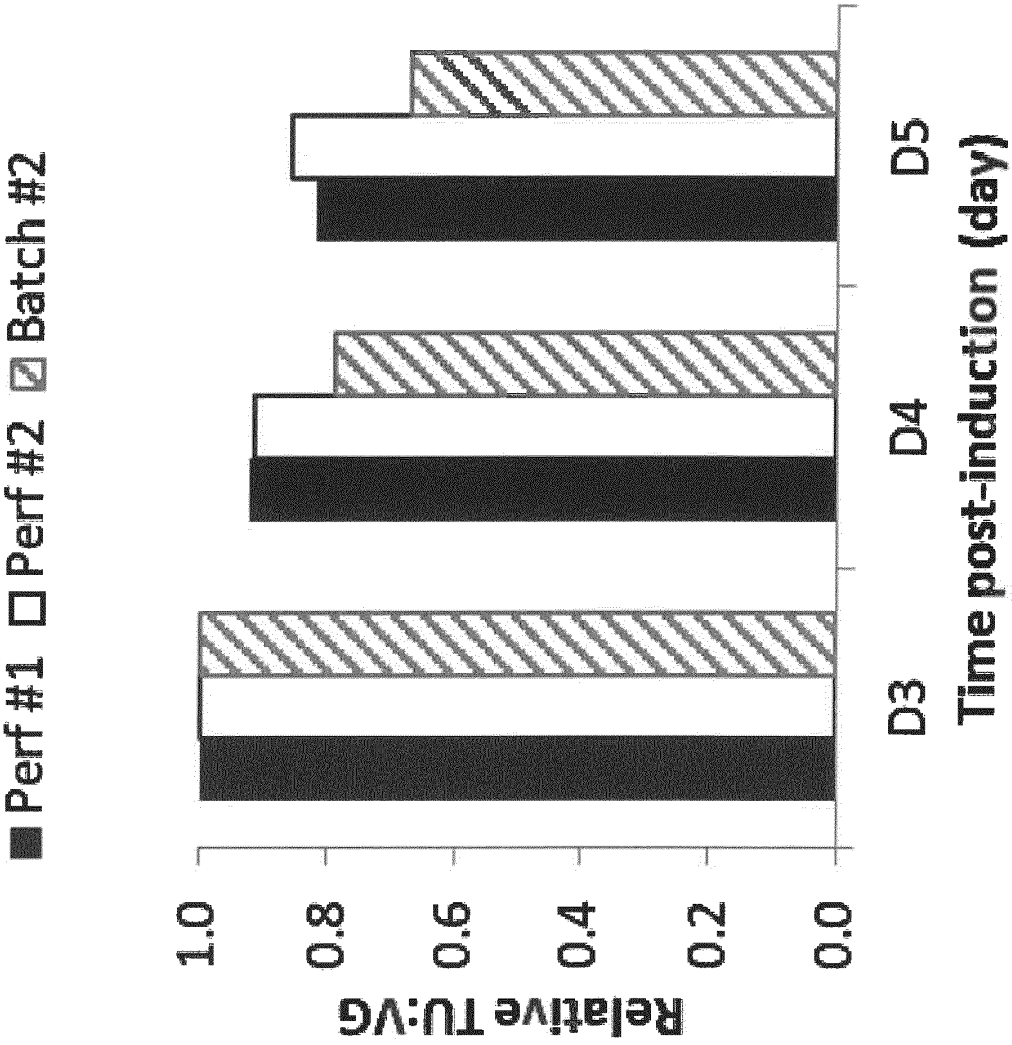

Perf #1
Perf #2
Batch #2
Relative TU:VG
1.0
0.8
0.6
0.4
0.2
0.0
D3
D4
D5
Time post-induction (day)

Figure 8

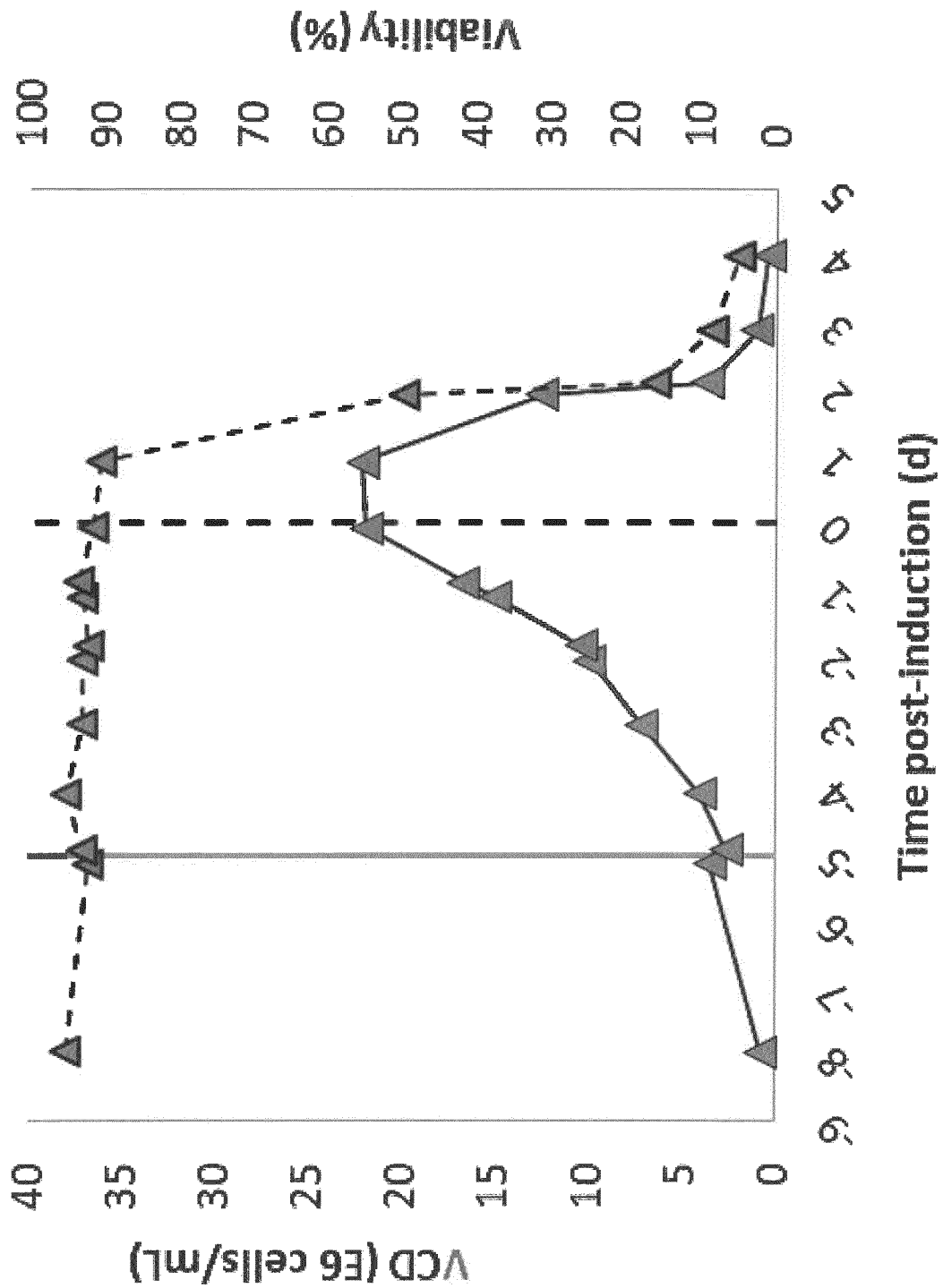

Viability (%)
100
90
80
70
60
50
40
30
20
10
0
VCD (E6 cells/mL)
40
35
30
25
20
15
10
5
0
Time post-induction (d)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Figure 9

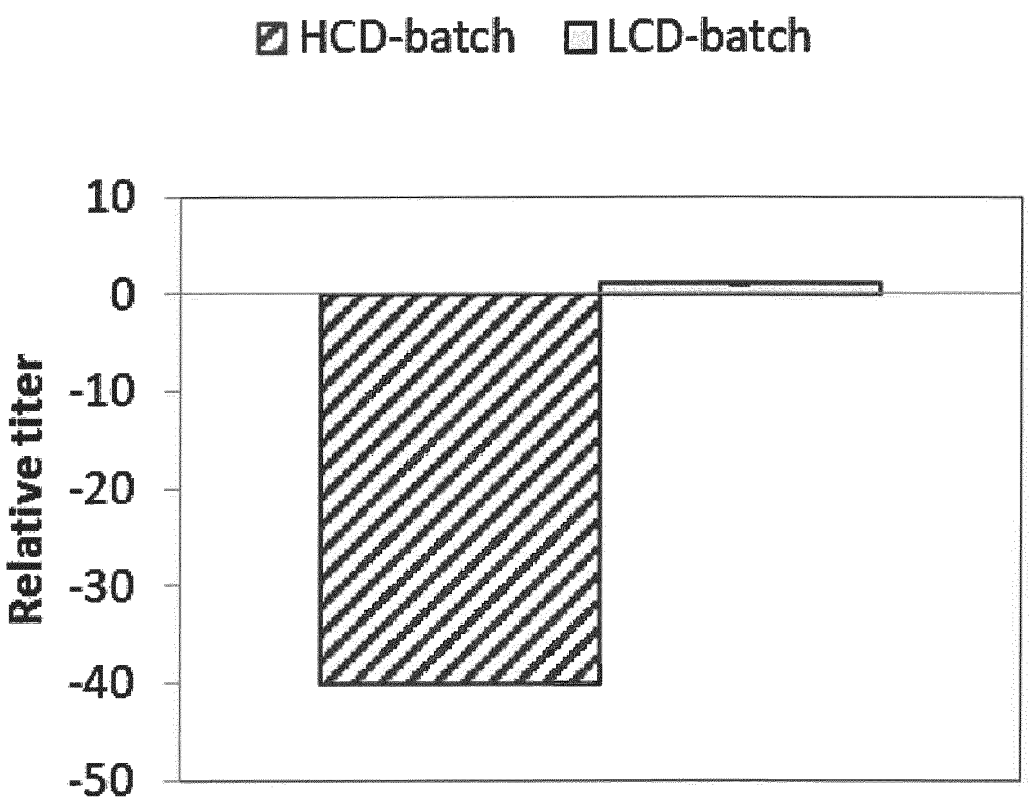


Figure 10

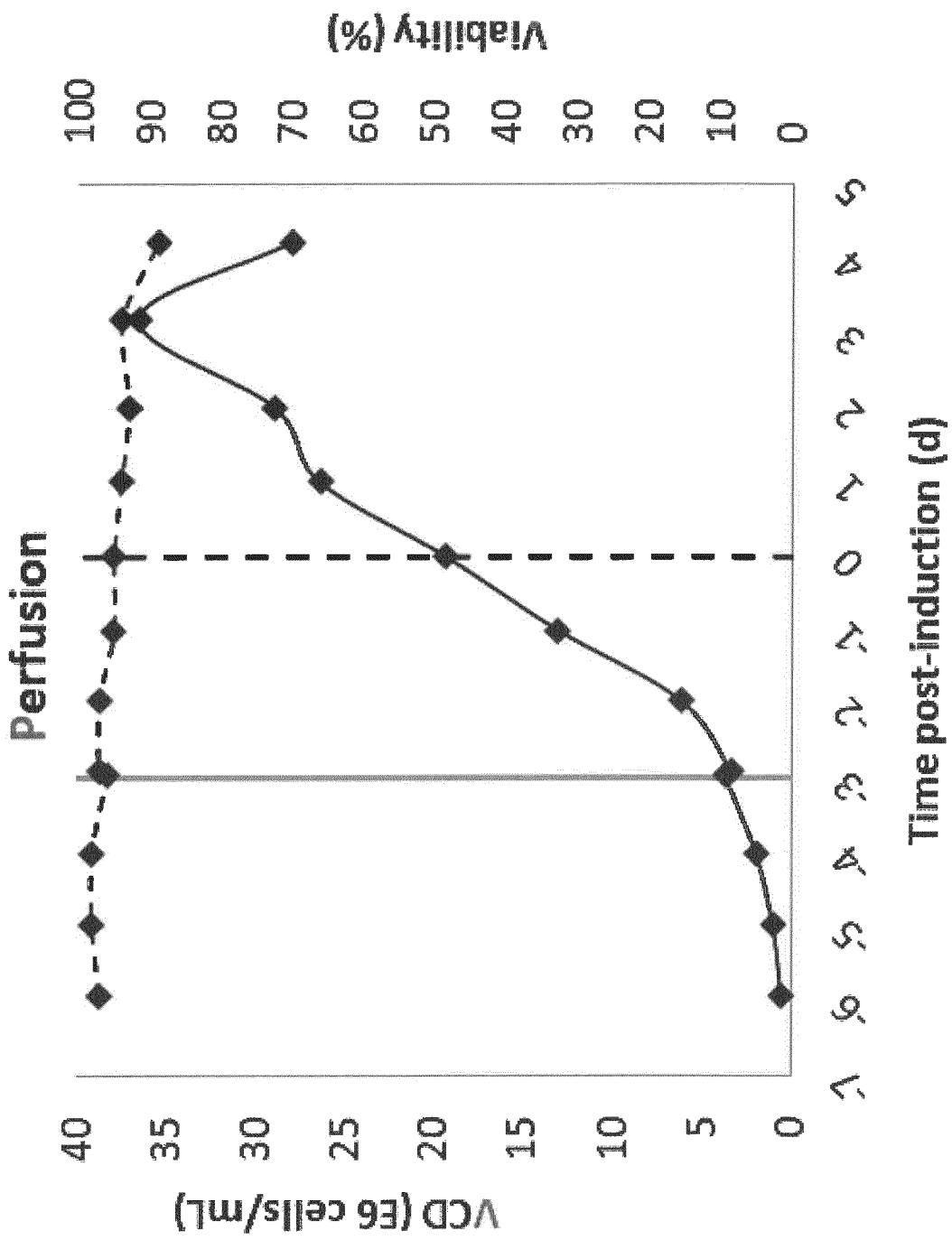

Viability (%)
100
90
80
70
60
50
40
30
20
10
0
Perfusion
VCD (E6 cells/mL)
40
35
30
25
20
15
10
5
0
0
1
2
3
4
5
6
7
8
9
10
11
Time post-induction (d)

Figure 11

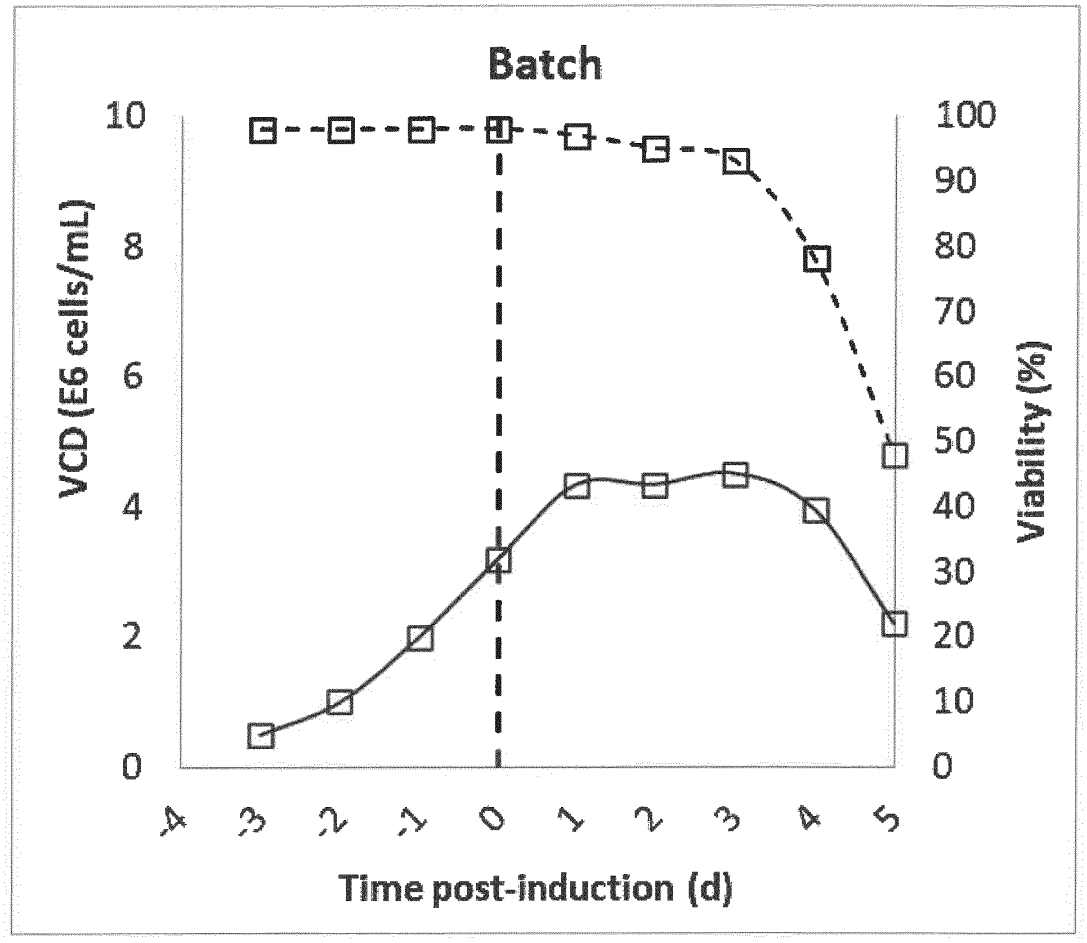

Batch
VCD (E6 cells/mL)
Viability (%)
Time post-induction (d)
0
2
4
6
8
10
0
10
20
30
40
50
60
70
80
90
100
-4
-3
-2
-1
0
1
2
3
4
5

Figure 12


A
Relative genome titer
0
10
20
30
40
Perfusion
Batch
B
Relative capsid titer
0
2
4
6
8
10
Perfusion
Batch

Figure 13

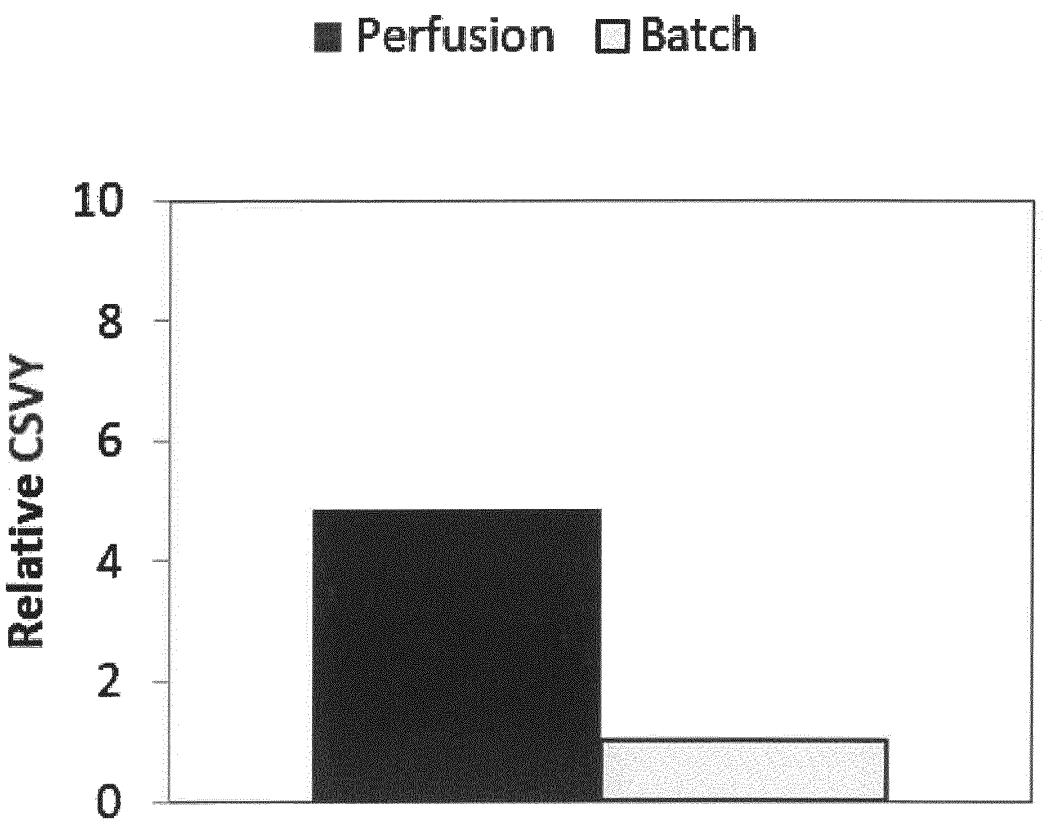


Figure 14

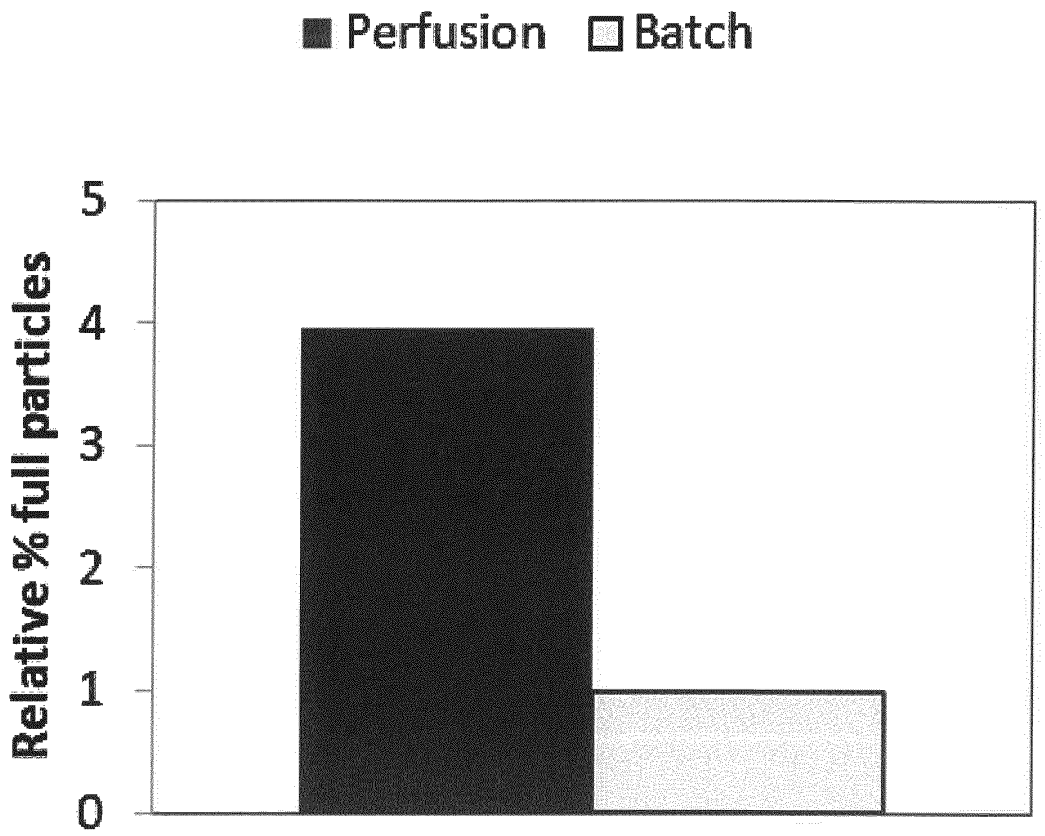


Figure 15

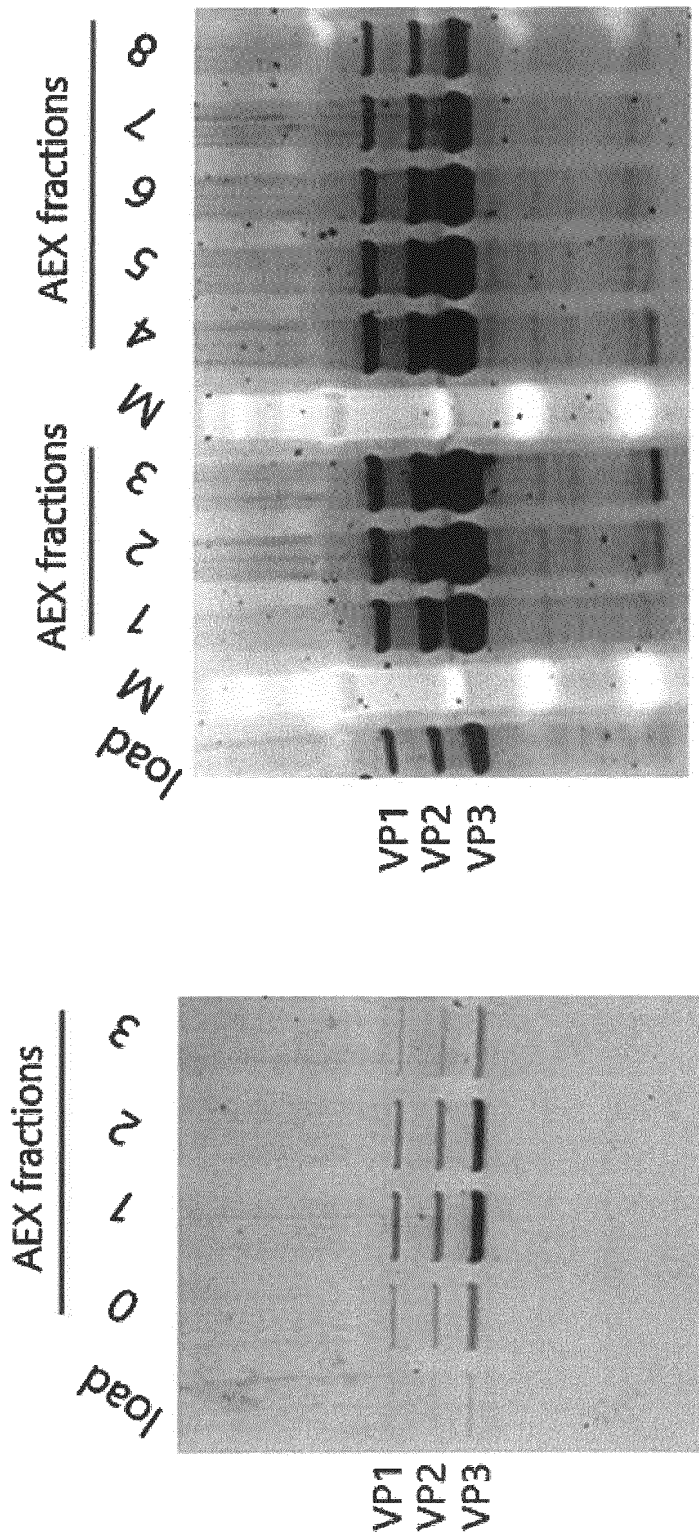

Perfusion
AEX run 2
load
M
1
2
3
M
4
5
6
7
8
AEX fractions
AEX fractions
VP1
VP2
VP3
Perfusion
AEX run 1
load
0
1
2
3
AEX fractions
VP1
VP2
VP3

Figure 16

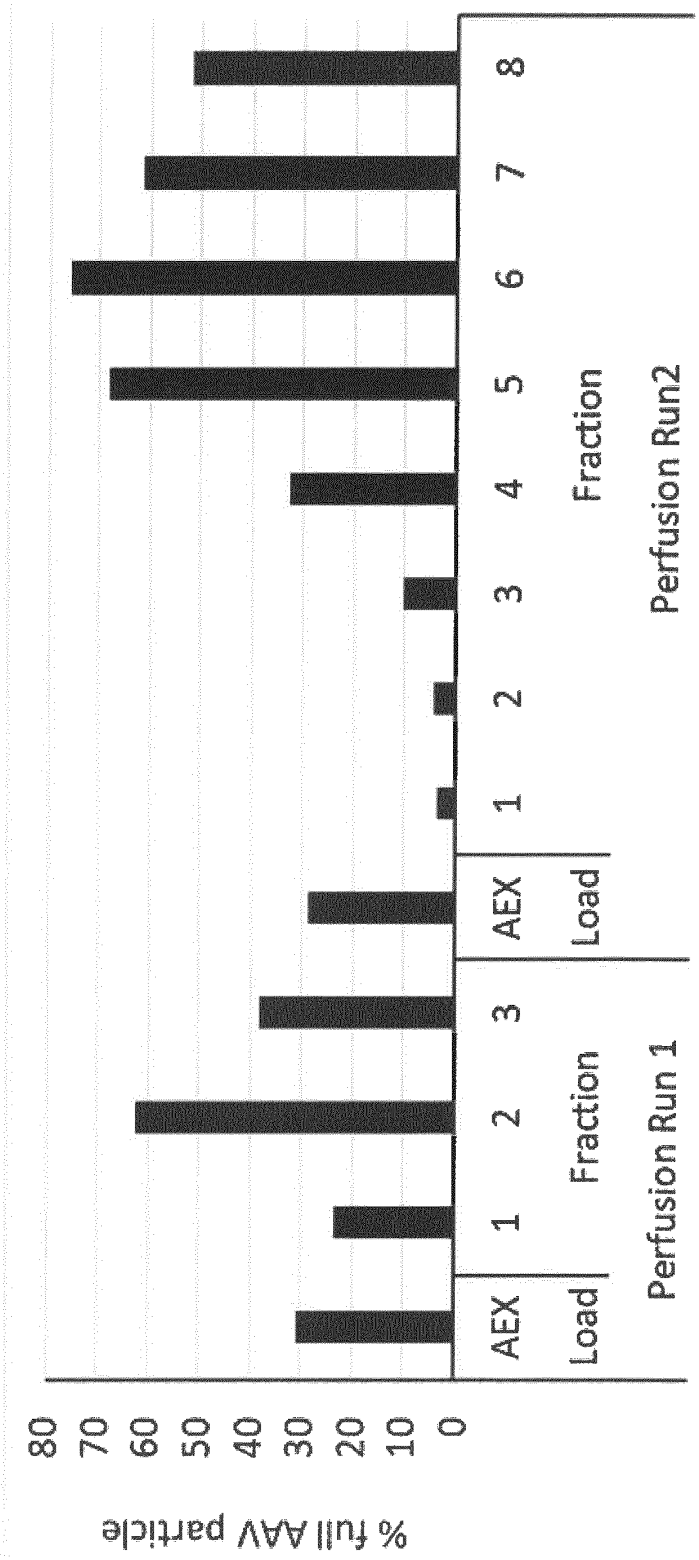

% full AAV particle
80
70
60
50
40
30
20
10
0
AEX
Load
1
2
3
Fraction
Perfusion Run 1
AEX
Load
1
2
3
4
5
6
7
8
Fraction
Perfusion Run2

Figure 17