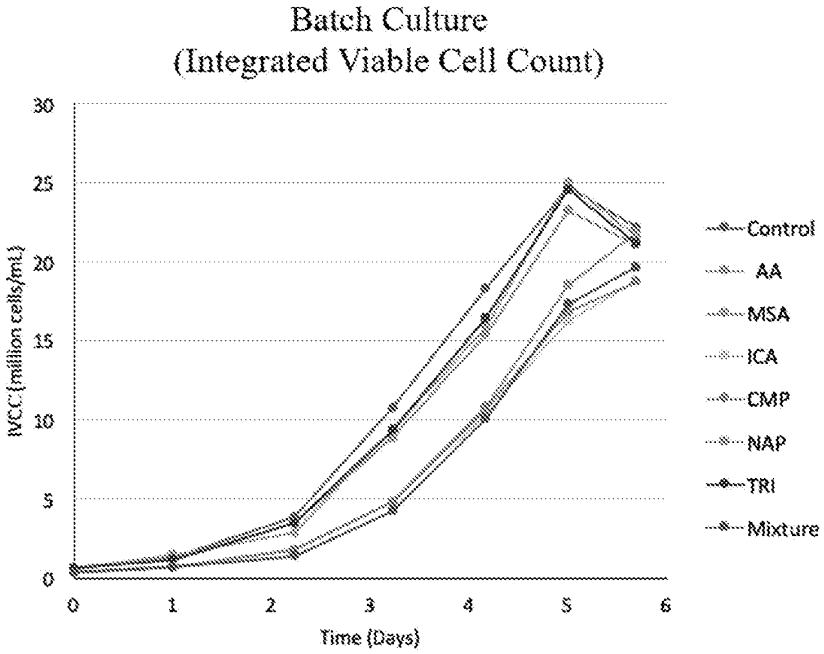

Batch Culture
(Integrated Viable Cell Count)
30
25
20
15
10
5
0
VCC (million cells/mL)
0
1
2
3
4
5
6
Time (Days)
Control
AA
MSA
ICA
CMP
NAP
TRI
Mixture

FIG. 1

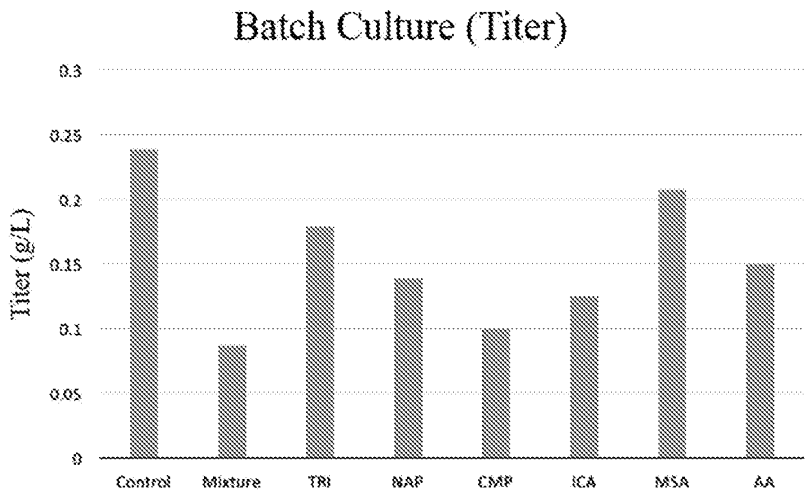

Batch Culture (Titer)
0.3
0.25
0.2
0.15
0.1
0.05
0
Titer (g/L)
Control
Mixture
TRI
NAP
CMP
ICA
MSA
AA

FIG. 2

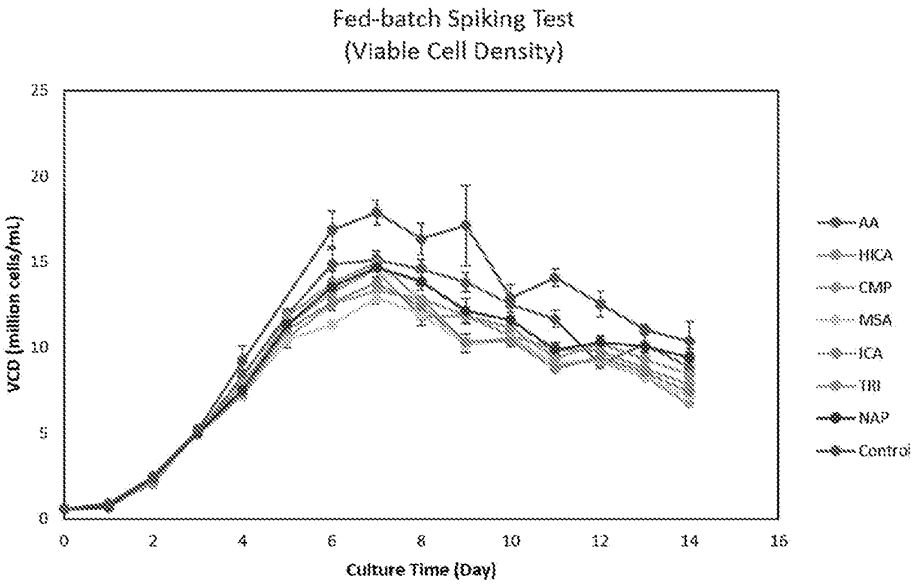

Fed-batch Spiking Test
(Viable Cell Density)
VCD (million cells/mL)
Culture Time (Day)
AA
HICA
CMP
MSA
ICA
TRI
NAP
Control

FIG. 3

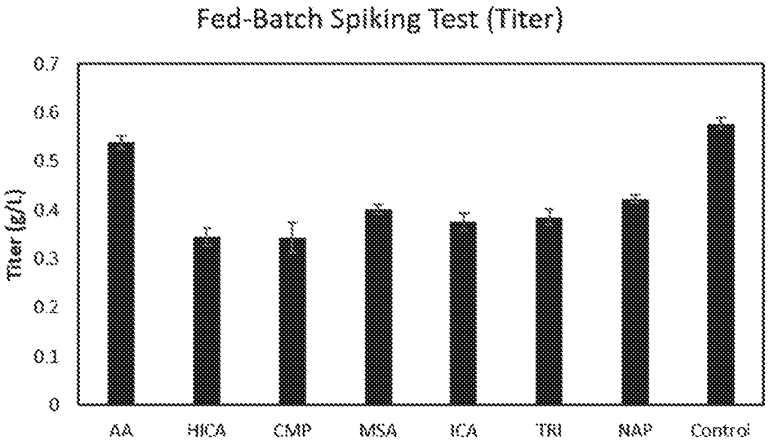

Fed-Batch Spiking Test (Titer)
Titer (g/L)
AA
HICA
CMP
MSA
ICA
TRI
NAP
Control

FIG. 4

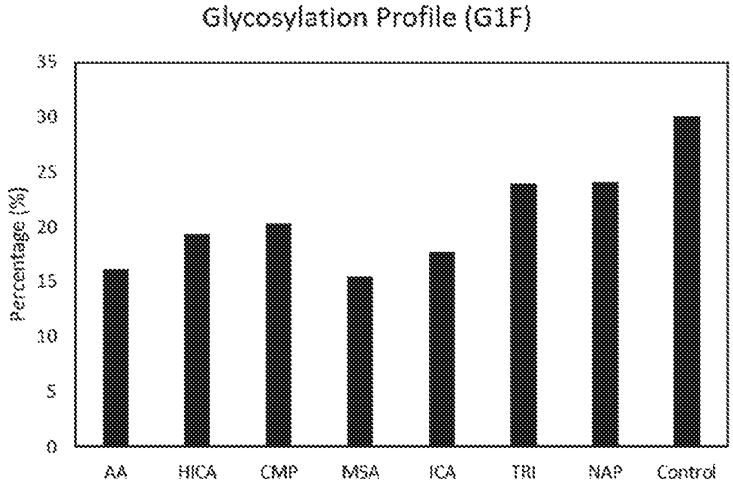

Glycosylation Profile (G1F)
Percentage (%)
35
30
25
20
15
10
5
0
AA
HICA
CMP
MSA
ICA
TRI
NAP
Control

FIG. 5

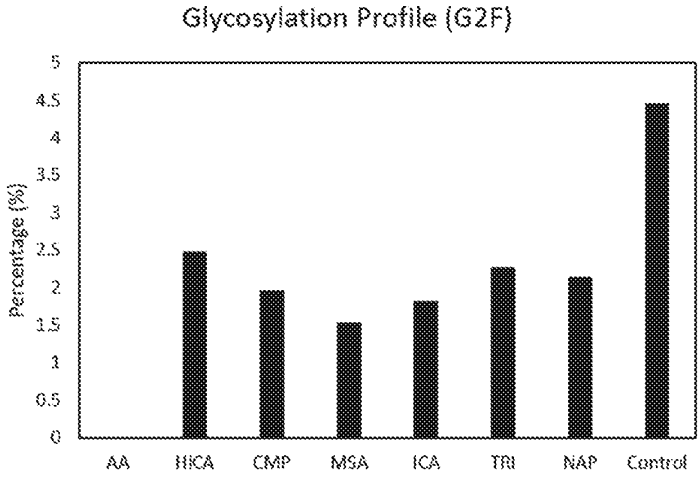

Glycosylation Profile (G2F)
Percentage (%)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
AA
HICA
CMP
MSA
ICA
TRI
NAP
Control

FIG. 6

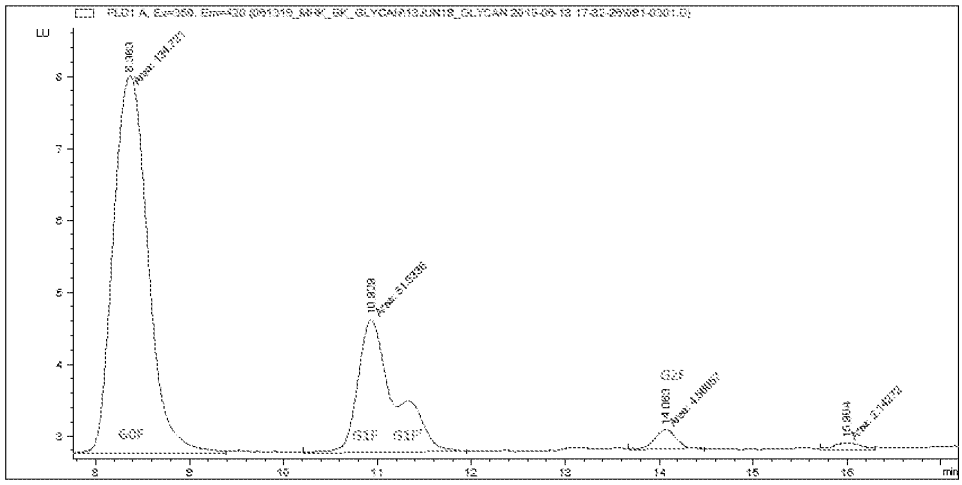


FIG. 7

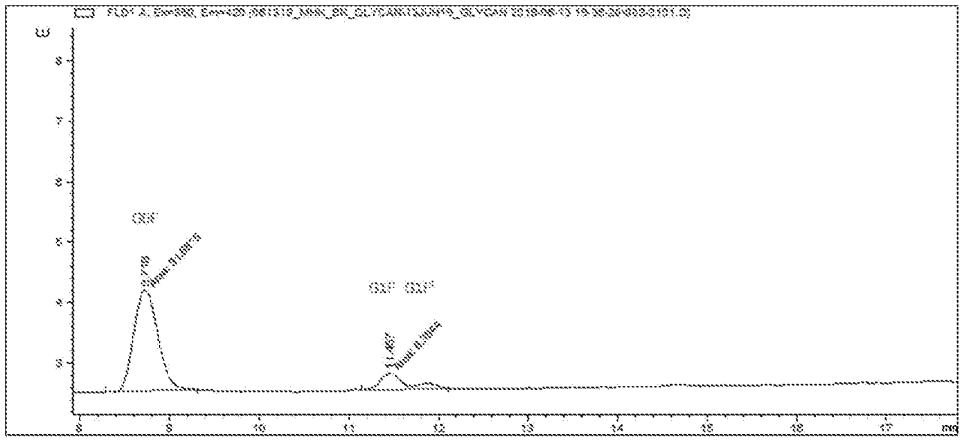


FIG. 8

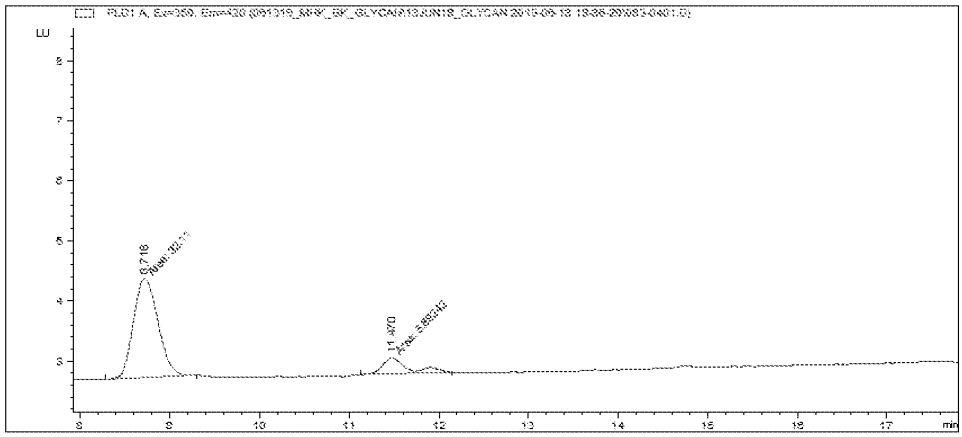

LU
7.16
11.470
min

FIG. 9

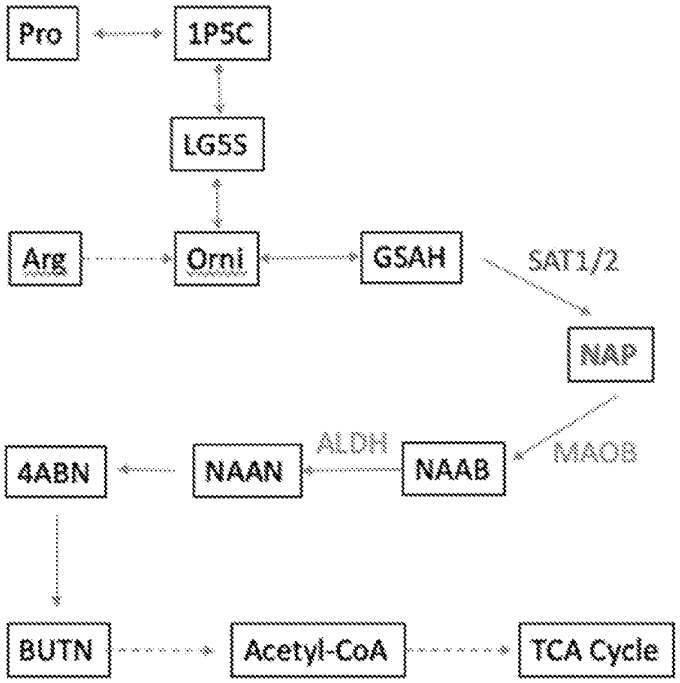

Pro
1P5C
LG5S
Arg
Orni
GSAH
SAT1/2
NAP
ALDH
MAOB
4ABN
NAAN
NAAB
BUTN
Acetyl-CoA
TCA Cycle

FIG. 10

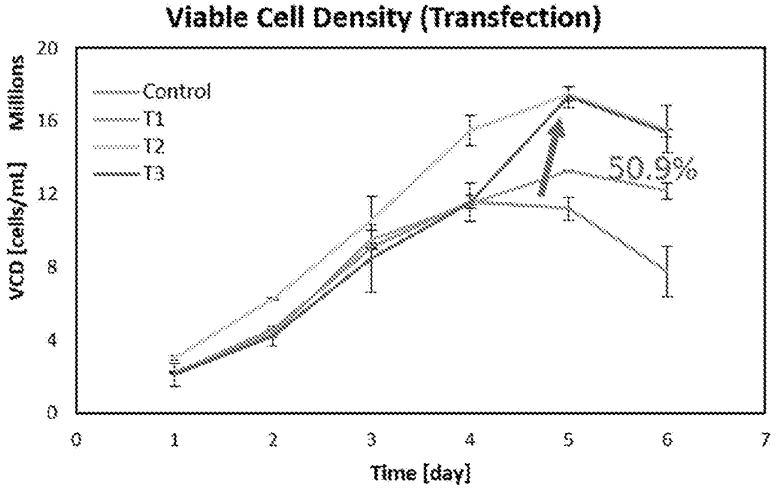

Viable Cell Density (Transfection)
VCD [cells/mL] Millions
Time [day]
Control
T1
T2
T3
50.9%
0
4
8
12
16
20
0
1
2
3
4
5
6
7

FIG. 11