FIG. 1

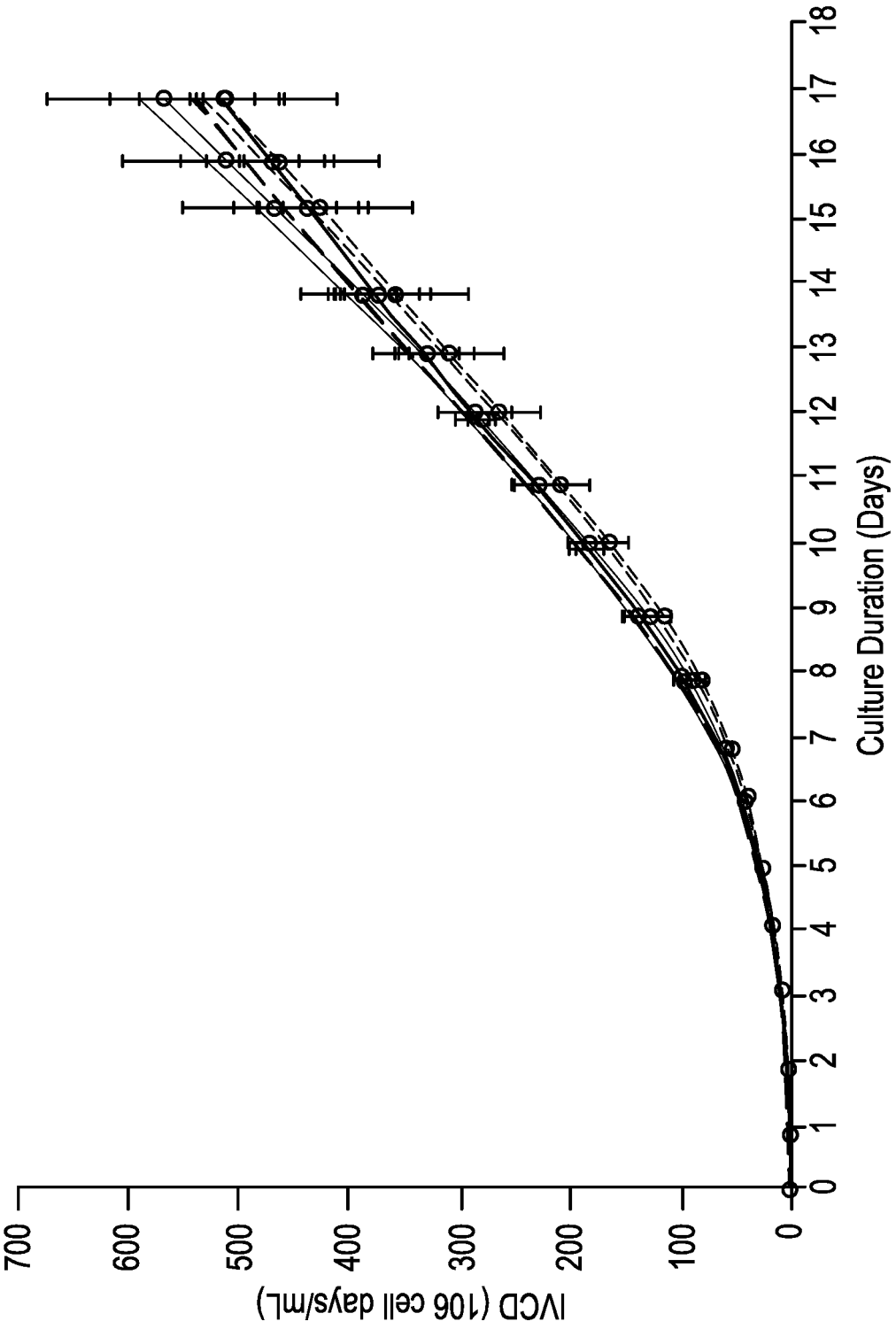

IVCD (106 cell days/mL)
0
100
200
300
400
500
600
700
Culture Duration (Days)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

FIG. 2

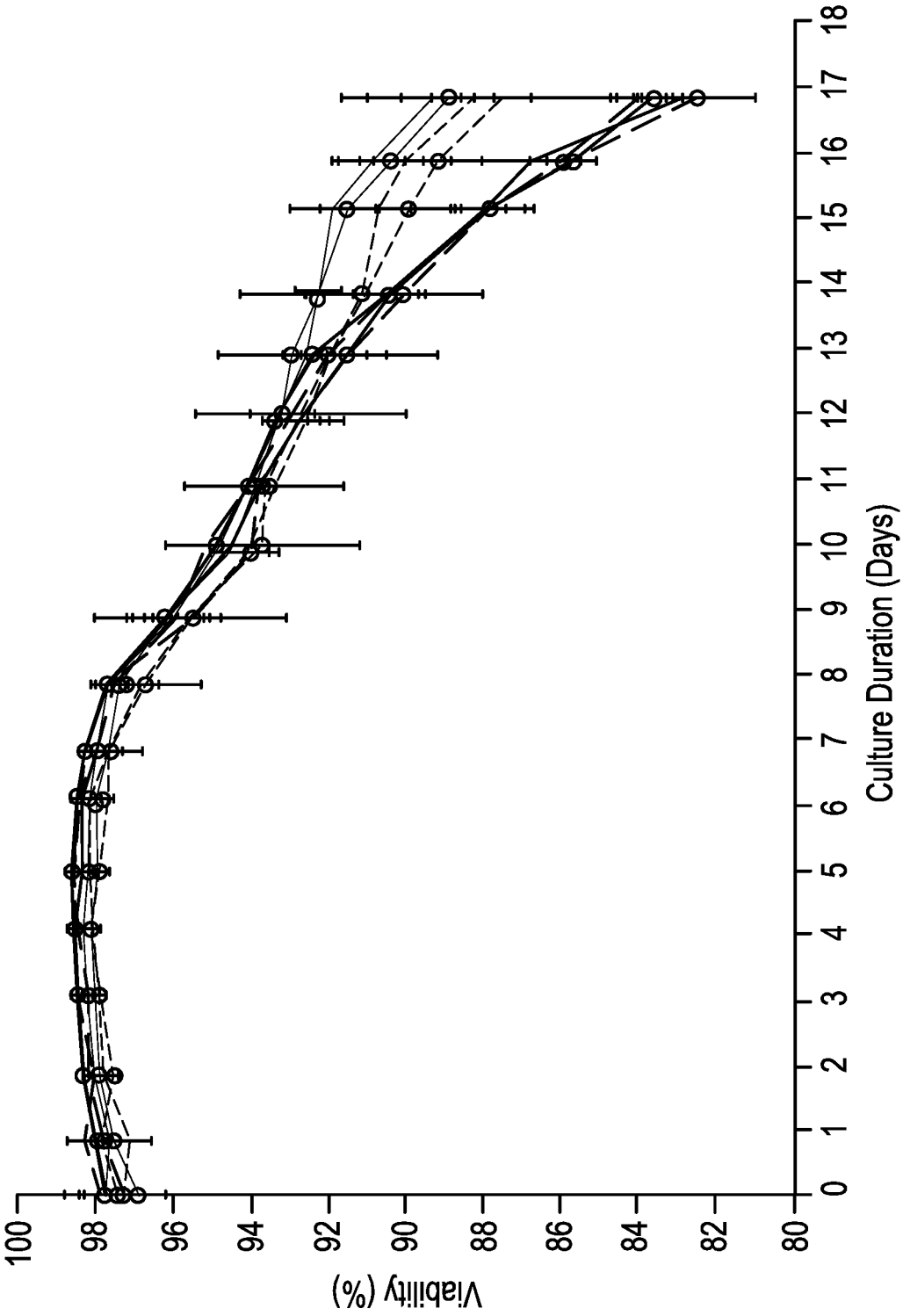

Viability (%)
100
98
96
94
92
90
88
86
84
82
80
Culture Duration (Days)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

FIG. 3

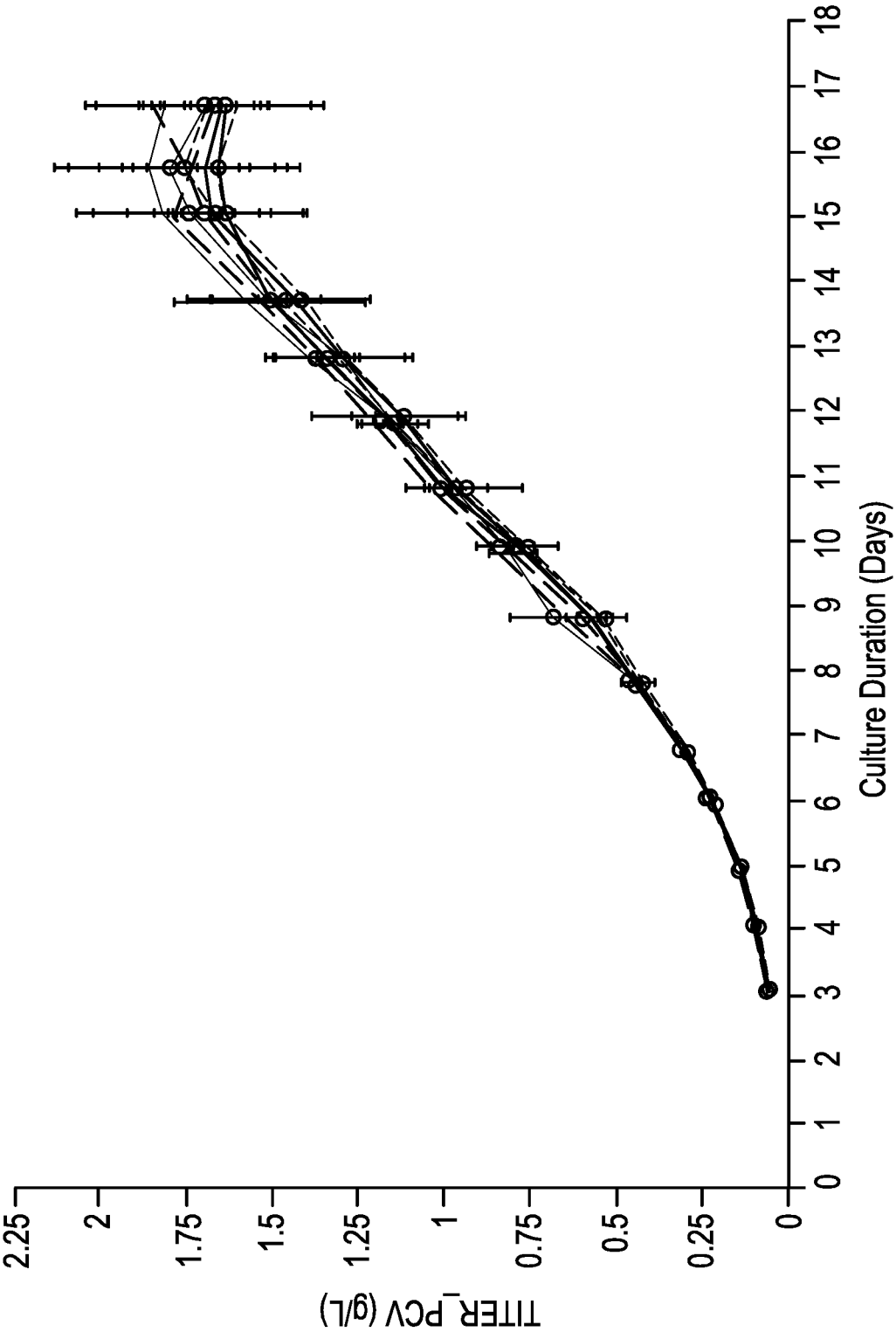

TITER_PCV (g/L)
2.25
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
Culture Duration (Days)

FIG. 4

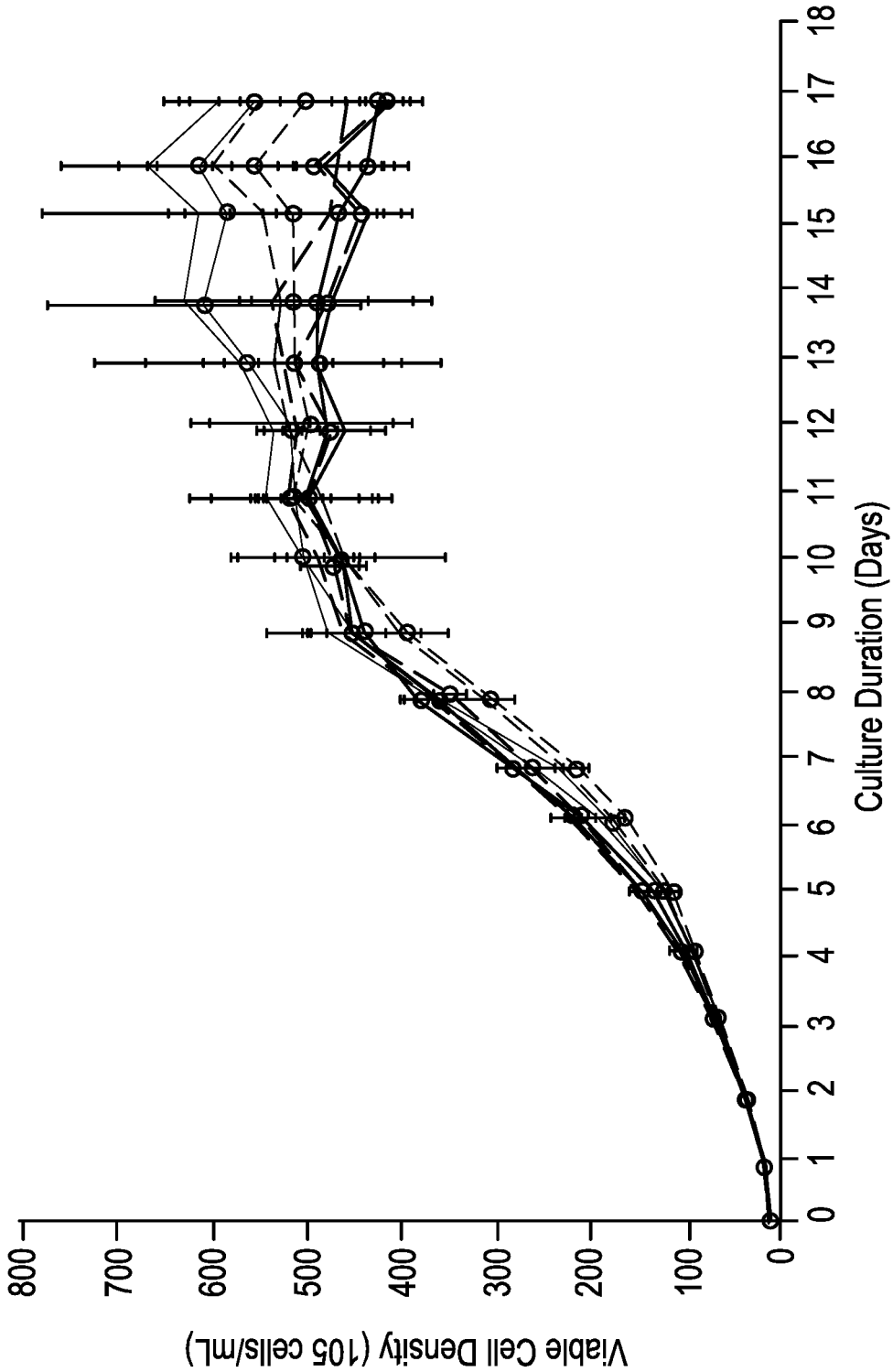

Viable Cell Density (10^5 cells/mL)
0
100
200
300
400
500
600
700
800
Culture Duration (Days)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

FIG. 5

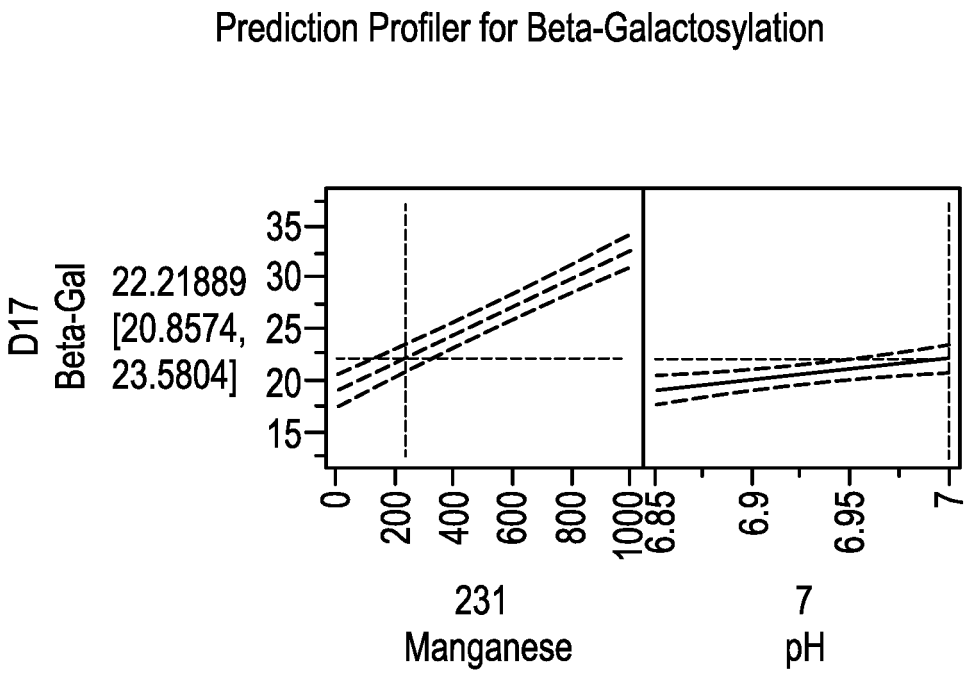

Prediction Profiler for Beta-Galactosylation
D17
Beta-Gal
22.21889
[20.8574,
23.5804]
35
30
25
20
15
0
200
400
600
800
1000
6.85
6.9
6.95
7
231
Manganese
7
pH

FIG. 6

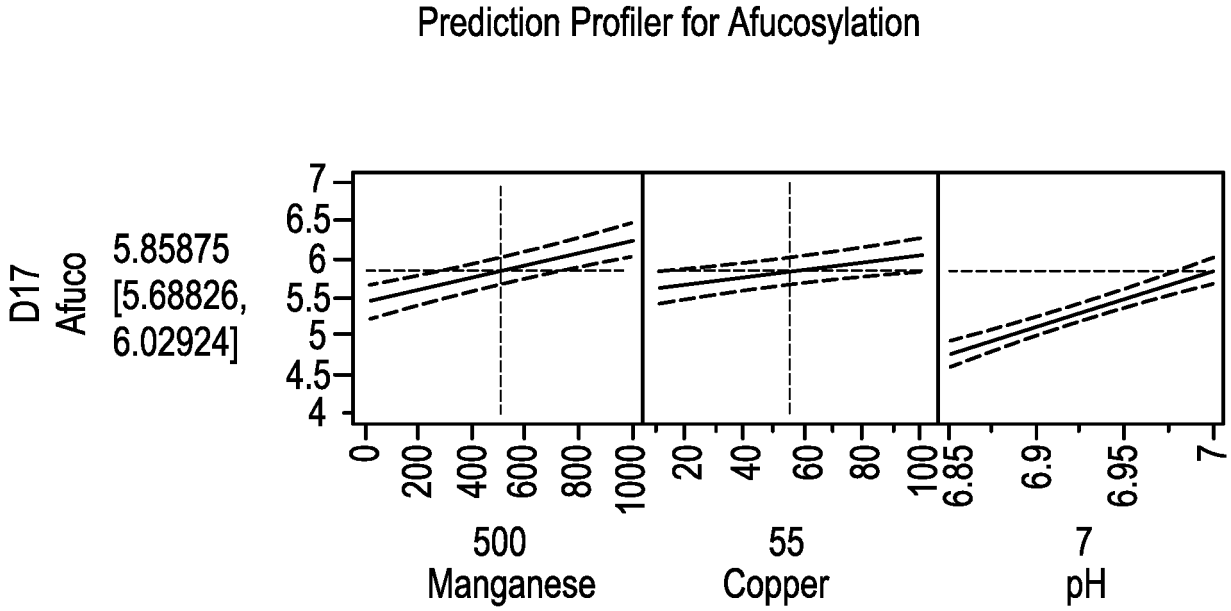

Prediction Profiler for Afucosylation
D17 Afuco
5.85875
[5.68826, 6.02924]
7
6.5
6
5.5
5
4.5
4
0
200
400
600
800
1000
20
40
60
80
100
6.85
6.9
6.95
7
500
Manganese
55
Copper
7
pH

FIG. 7

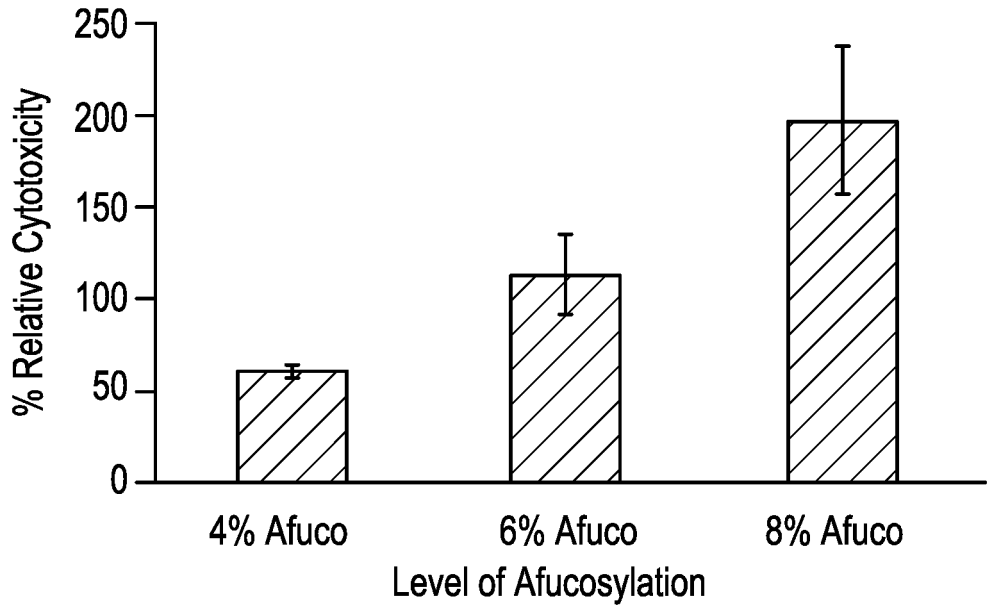
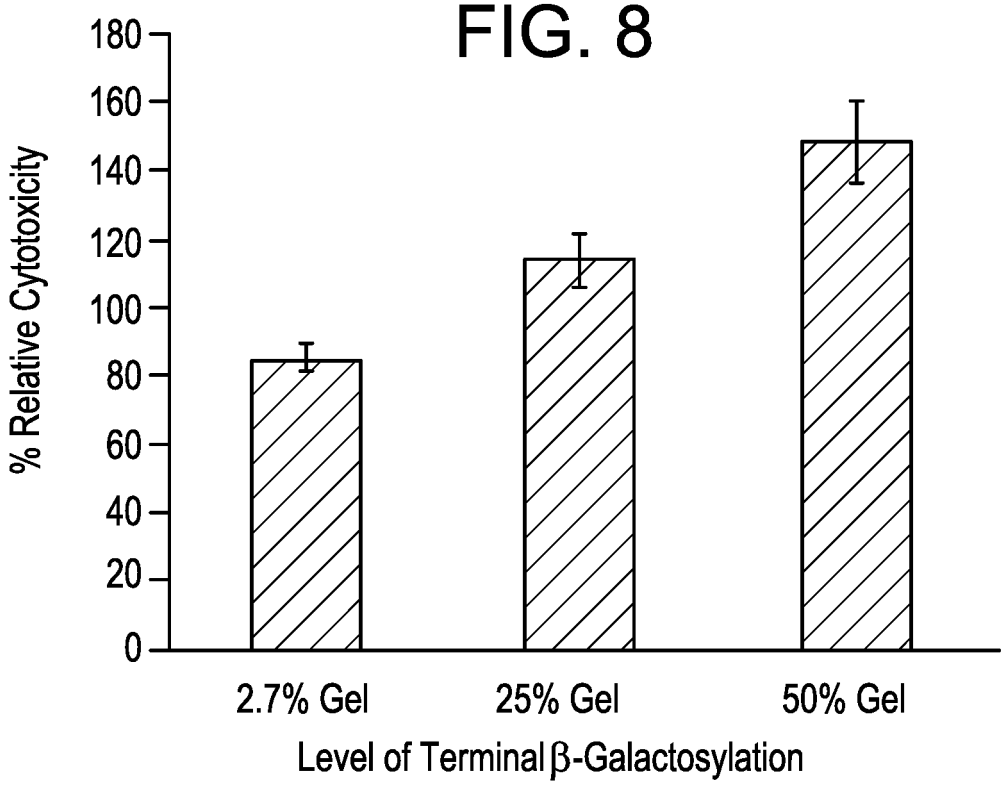

250
200
150
100
50
0
% Relative Cytotoxicity
4% Afuco
6% Afuco
8% Afuco
Level of Afucosylation

FIG. 8


180
160
140
120
100
80
60
40
20
0
% Relative Cytotoxicity
2.7% Gel
25% Gel
50% Gel
Level of Terminal β-Galactosylation