Figure 1

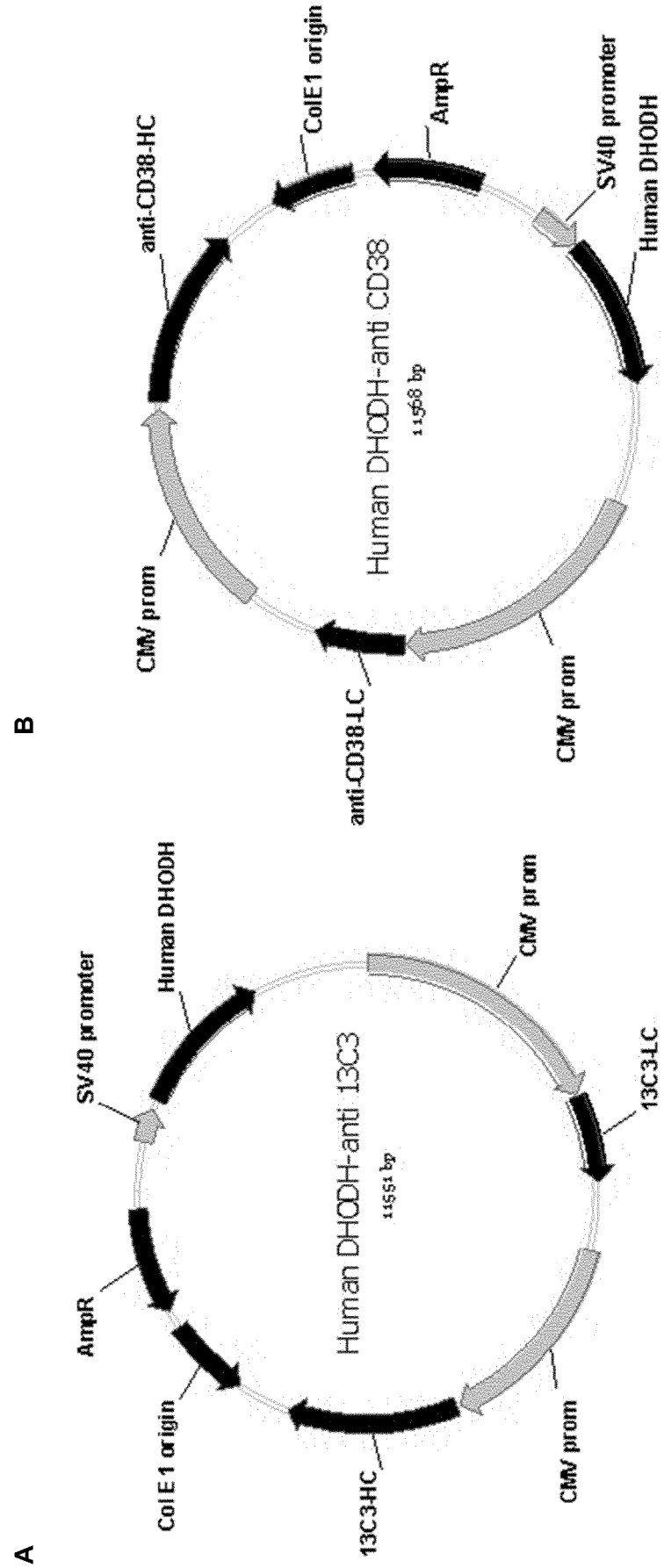
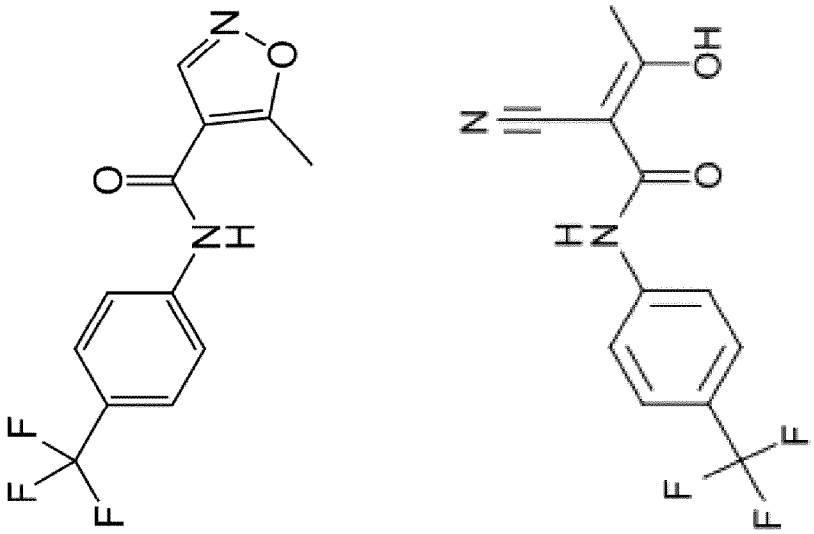

A
Human DHODH-anti 13C3
11551 bp
CMV prom
13C3-LC
CMV prom
13C3-HC
ColE1 origin
AmpR
SV40 promoter
Human DHODH
B
Human DHODH-anti CD38
11568 bp
CMV prom
anti-CD38-LC
CMV prom
anti-CD38-HC
ColE1 origin
AmpR
SV40 promoter
Human DHODH

Figure 2



A B

Figure 3

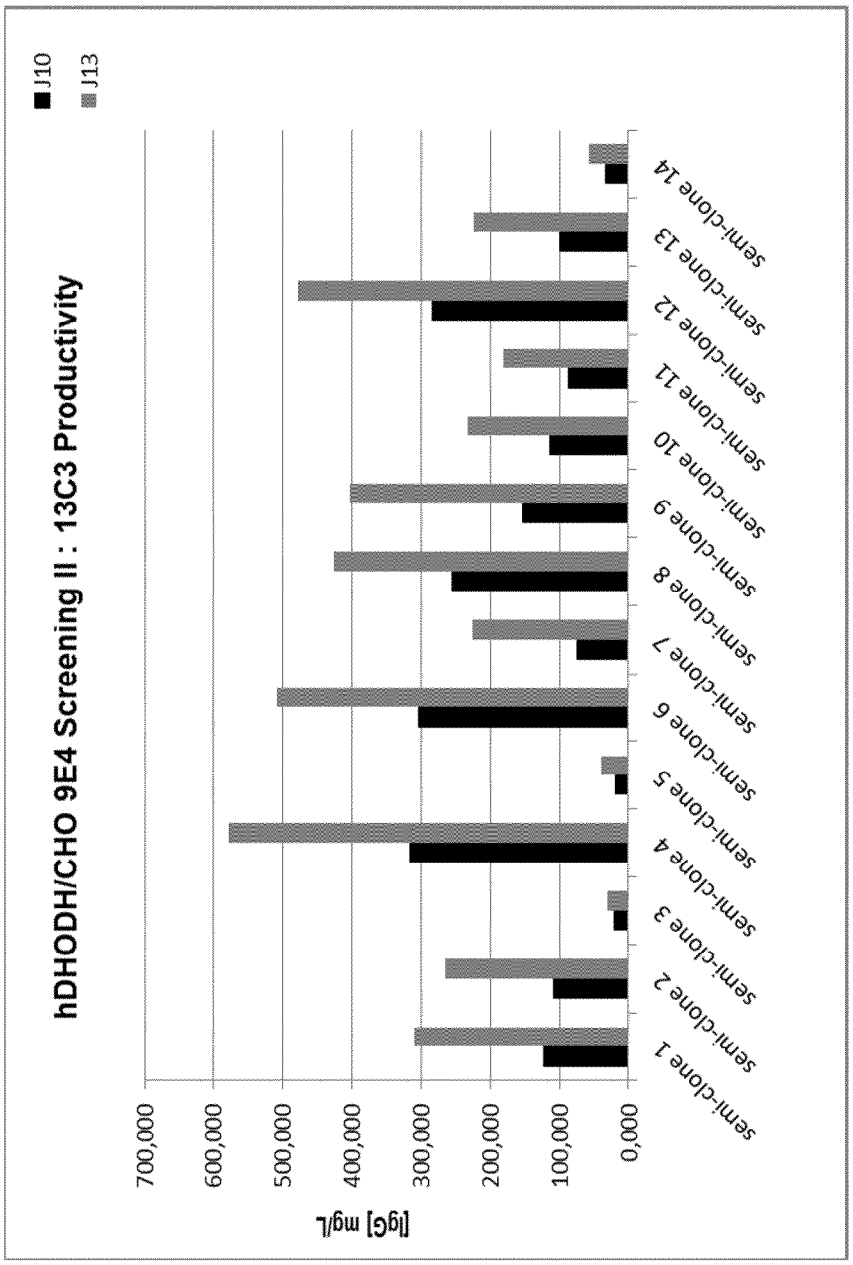

hDHODH/CHO 9E4 Screening II : 13C3 Productivity
J10
J13
[IgG] mg/L
0,000
100,000
200,000
300,000
400,000
500,000
600,000
700,000
semi-clone 1
semi-clone 2
semi-clone 3
semi-clone 4
semi-clone 5
semi-clone 6
semi-clone 7
semi-clone 8
semi-clone 9
semi-clone 10
semi-clone 11
semi-clone 12
semi-clone 13
semi-clone 14

Figure 4

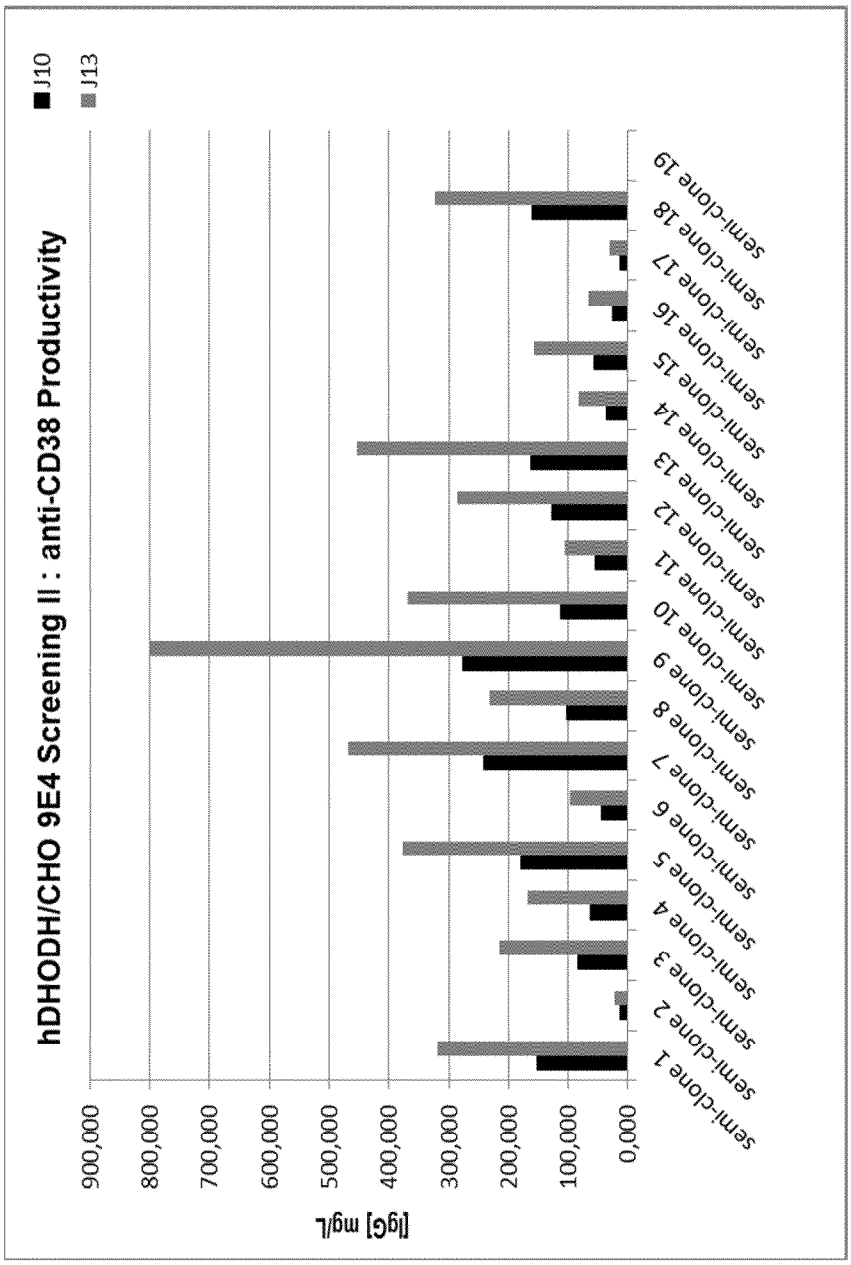
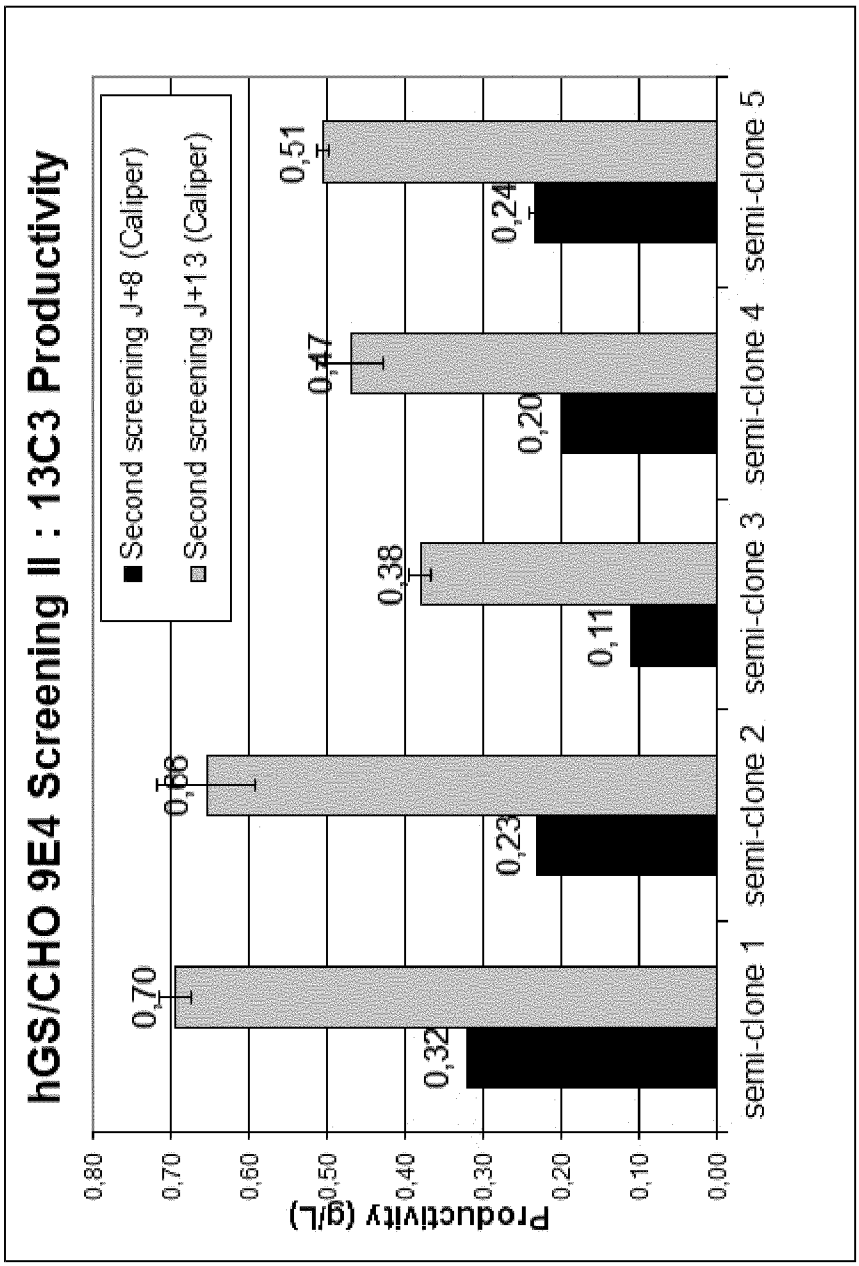

hDHODH/CHO 9E4 Screening II : anti-CD38 Productivity
J10
J13
[IgG] mg/L
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0,000
semi-clone 1
semi-clone 2
semi-clone 3
semi-clone 4
semi-clone 5
semi-clone 6
semi-clone 7
semi-clone 8
semi-clone 9
semi-clone 10
semi-clone 11
semi-clone 12
semi-clone 13
semi-clone 14
semi-clone 15
semi-clone 16
semi-clone 17
semi-clone 18
semi-clone 19

Figure 5


hGS/CHO 9E4 Screening II : 13C3 Productivity
Second screening J+8 (Caliper)
Second screening J+13 (Caliper)
Productivity (g/L)
0,80
0,70
0,60
0,50
0,40
0,30
0,20
0,10
0,00
0,70
0,32
0,66
0,23
0,38
0,11
0,47
0,20
0,51
0,24
semi-clone 1
semi-clone 2
semi-clone 3
semi-clone 4
semi-clone 5