Figure 1

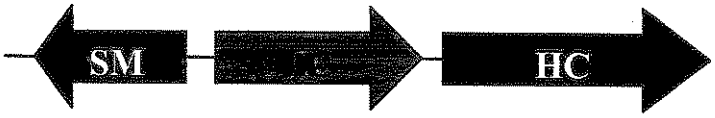
p5137



p5156



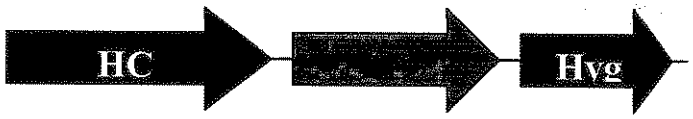
p5158



p 5159



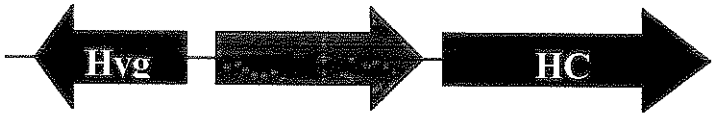
px7068



px7068A



px7068C



px7068B



Figure 2

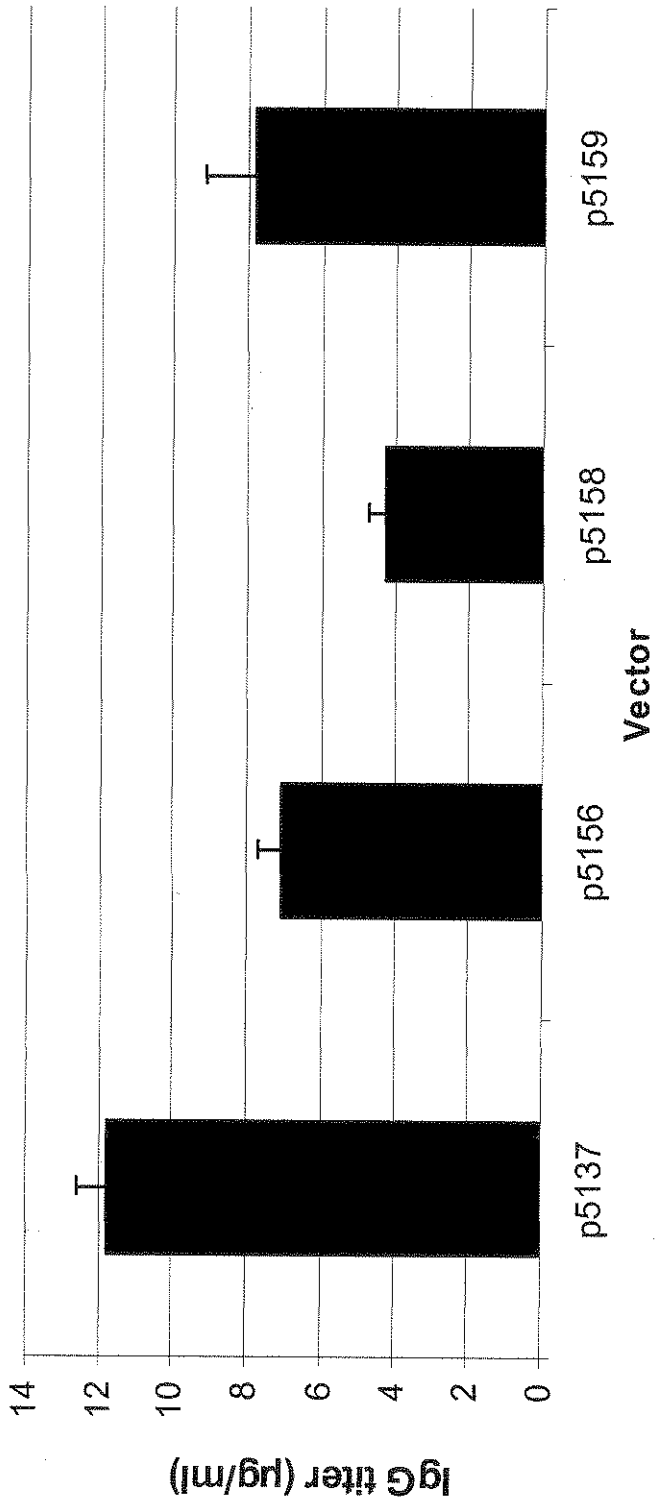


Figure 3

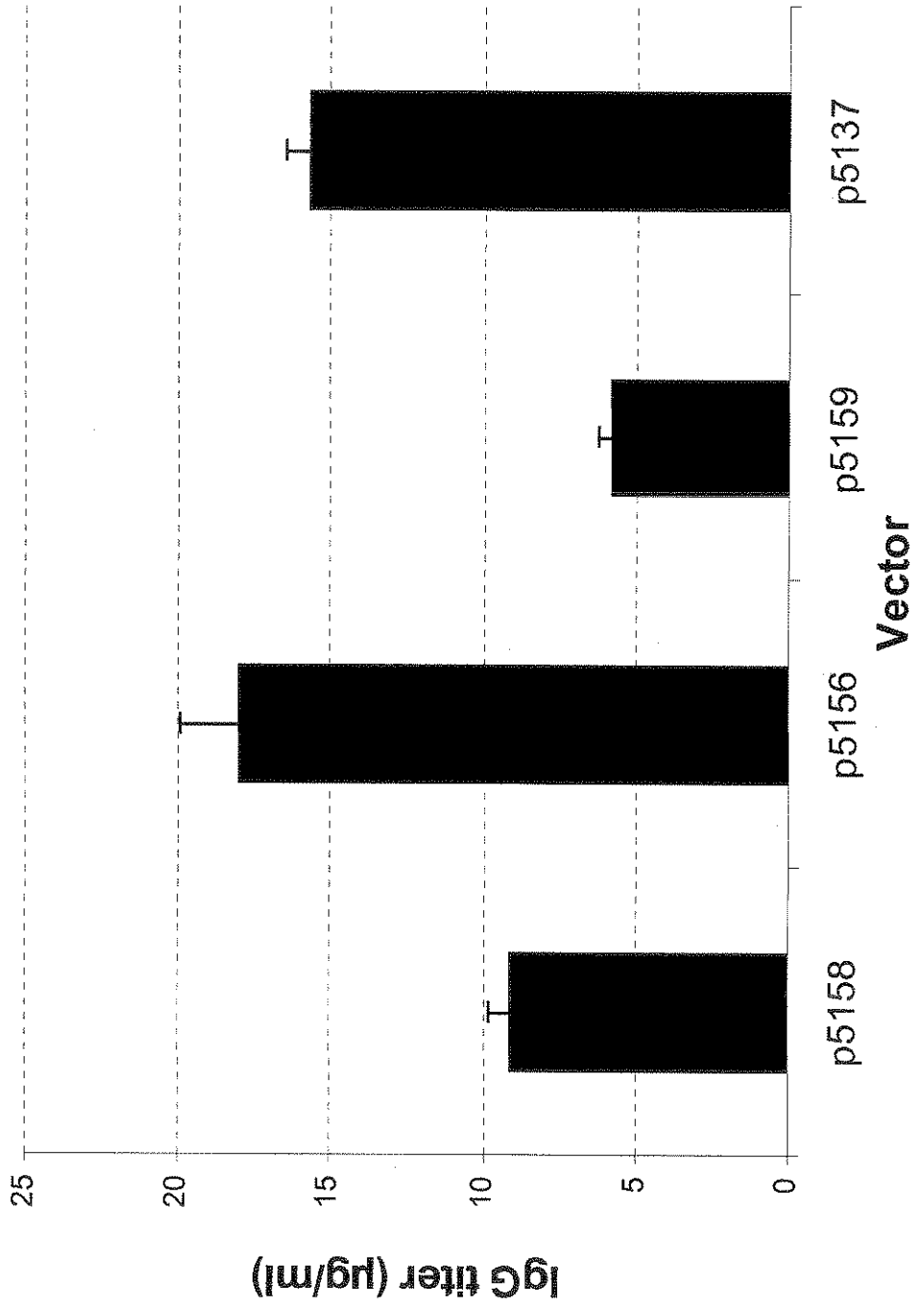


Figure 4

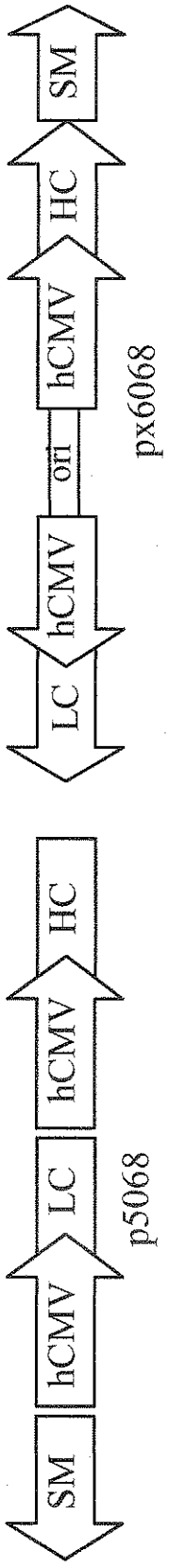


Figure 5

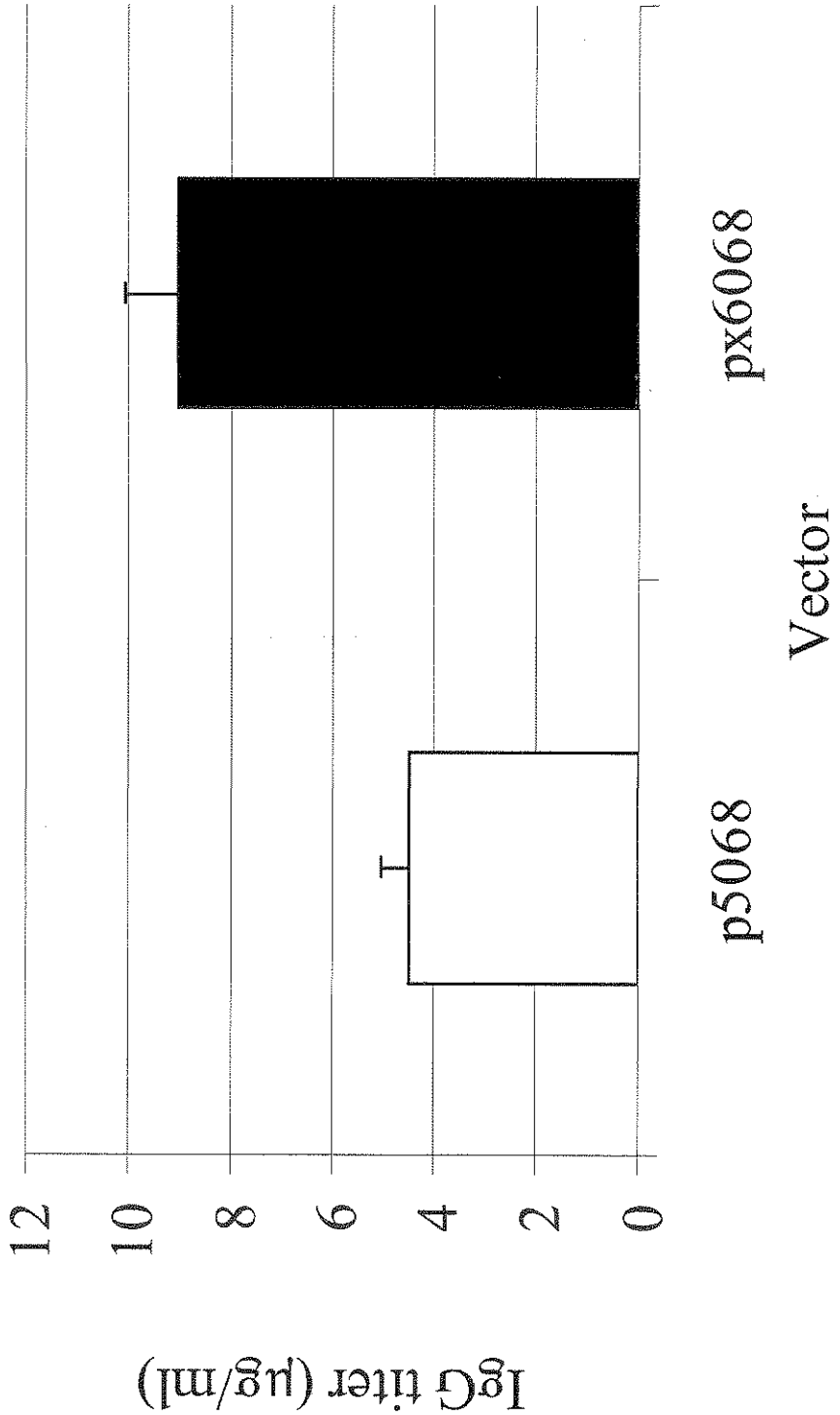


Figure 6

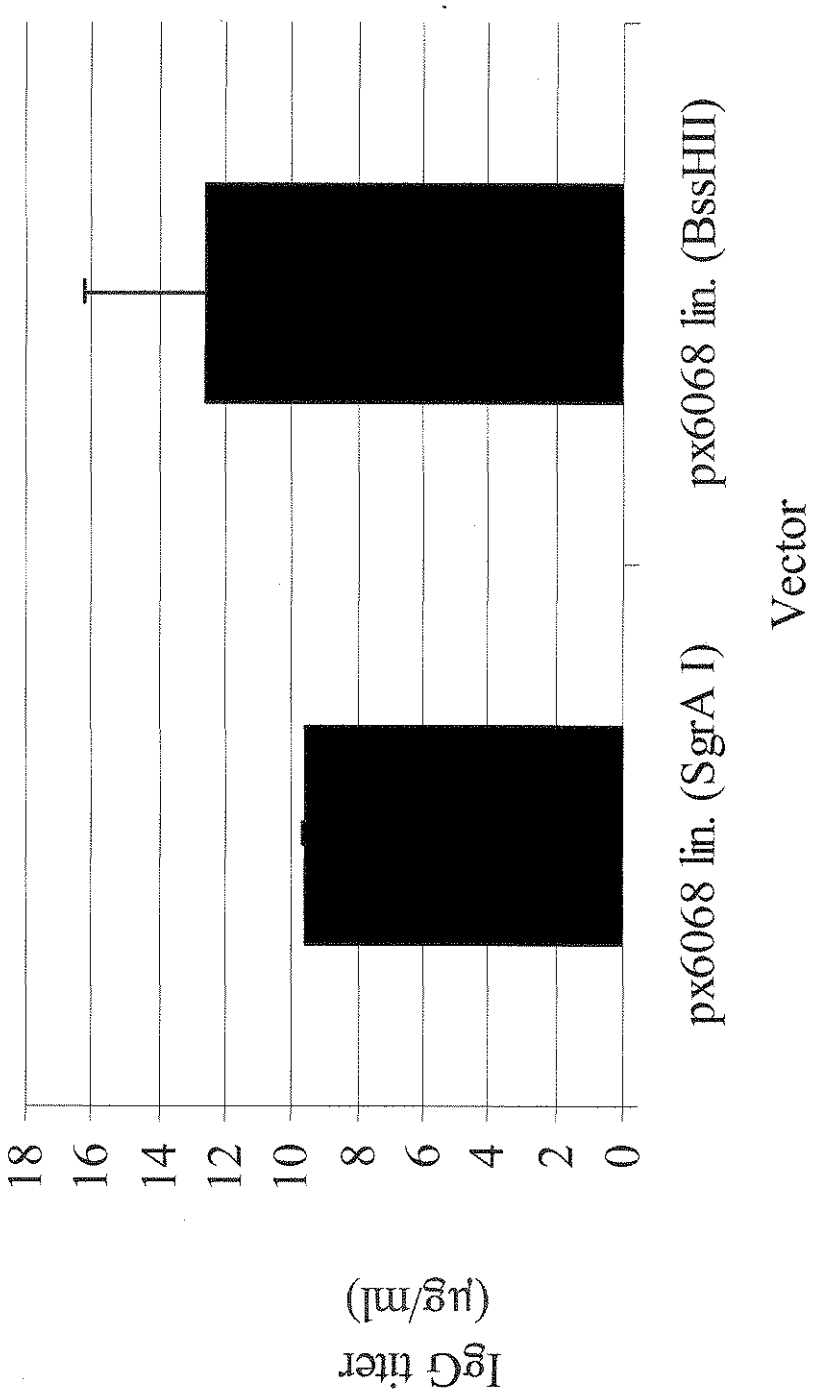

IgG titer
(µg/ml)
18
16
14
12
10
8
6
4
2
0
Vector
px6068 lin. (SgrA I)
px6068 lin. (BssHII)

Figure 7

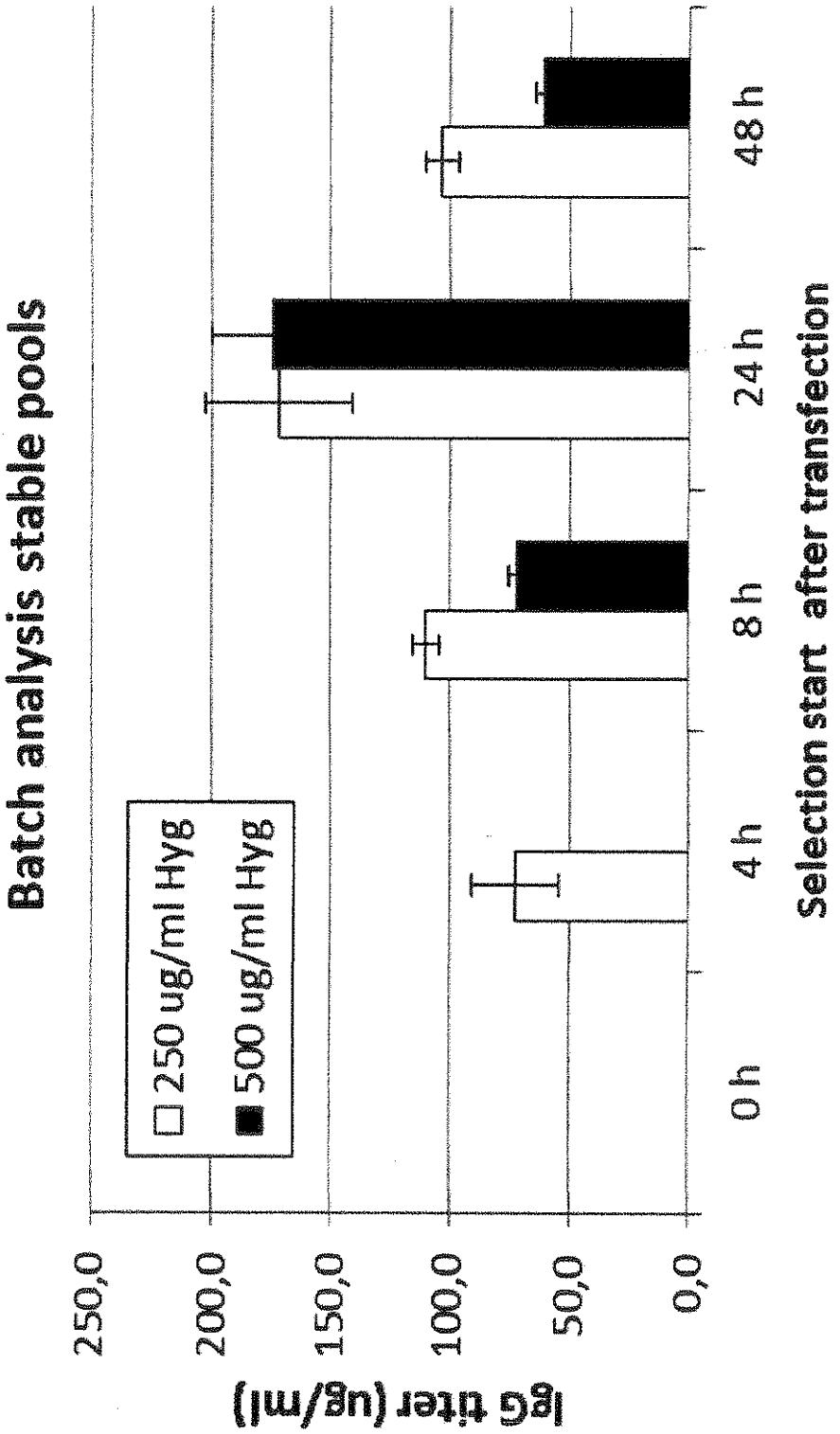
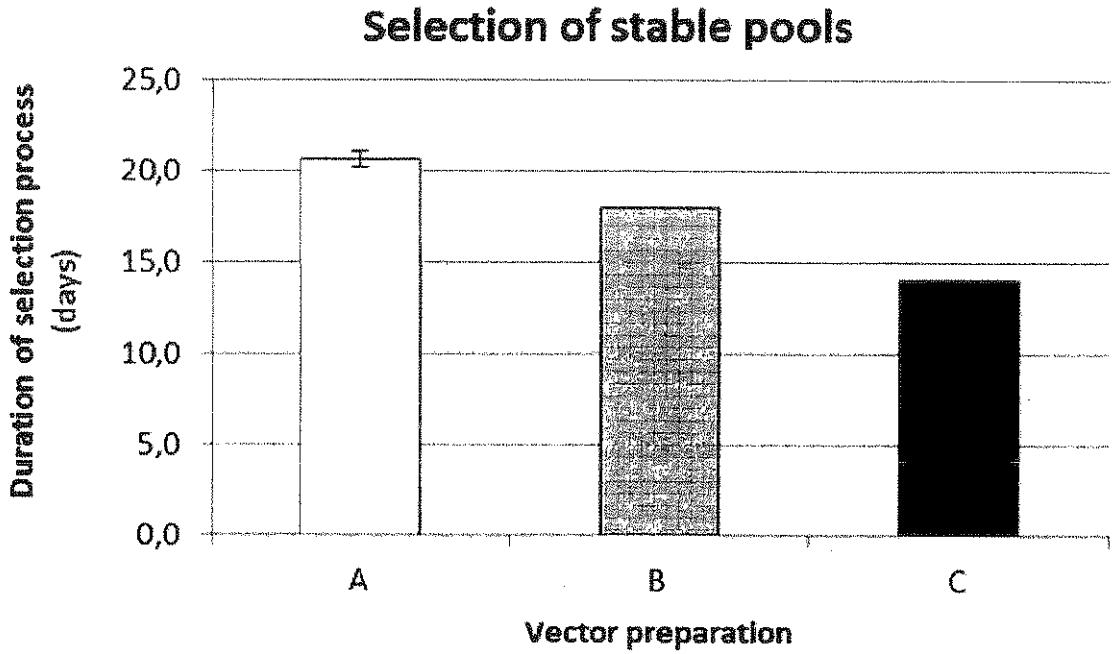

Batch analysis stable pools
IgG titer (ug/ml)
250,0
200,0
150,0
100,0
50,0
0,0
250 ug/ml Hyg
500 ug/ml Hyg
0 h
4 h
8 h
24 h
48 h
Selection start after transfection

Figure 8

(A)


Selection of stable pools
Duration of selection process (days)
25,0
20,0
15,0
10,0
5,0
0,0
A
B
C
Vector preparation

(B)

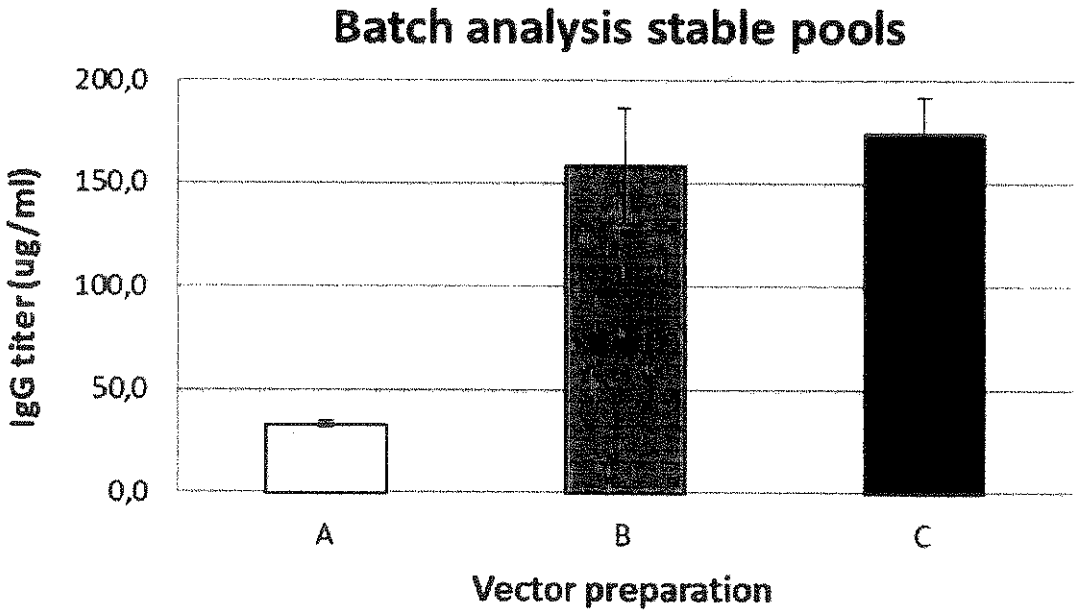
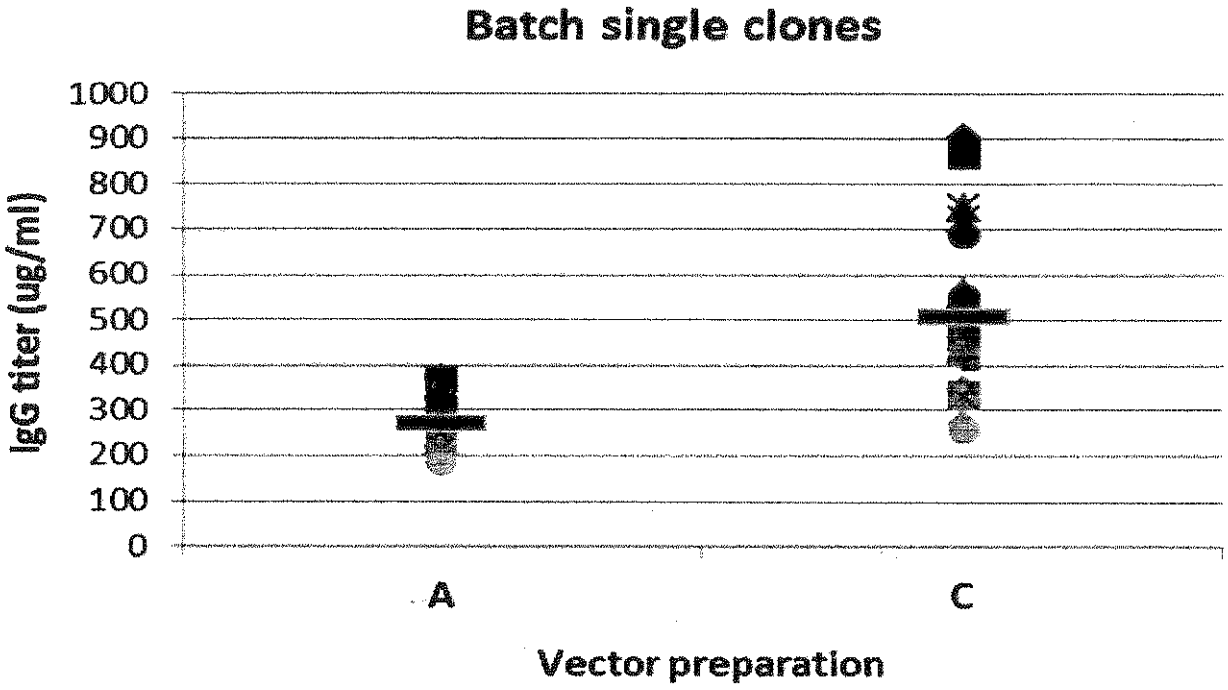

Batch analysis stable pools
IgG titer (ug/ml)
200,0
150,0
100,0
50,0
0,0
A
B
C
Vector preparation

Figure 8

(C)


Batch single clones
IgG titer (ug/ml)
1000
900
800
700
600
500
400
300
200
100
0
A
C
Vector preparation

(D)

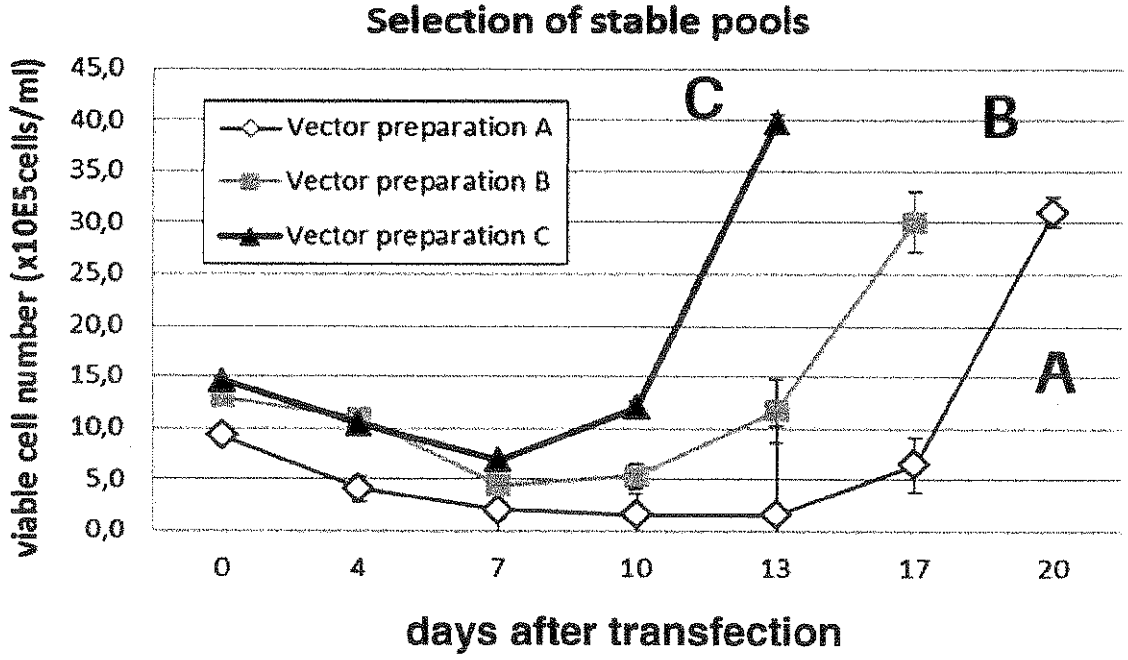

Selection of stable pools
viable cell number (x10E5cells/ml)
45,0
40,0
35,0
30,0
25,0
20,0
15,0
10,0
5,0
0,0
Vector preparation A
Vector preparation B
Vector preparation C
C
B
A
0
4
7
10
13
17
20
days after transfection

Figure 8

(E)

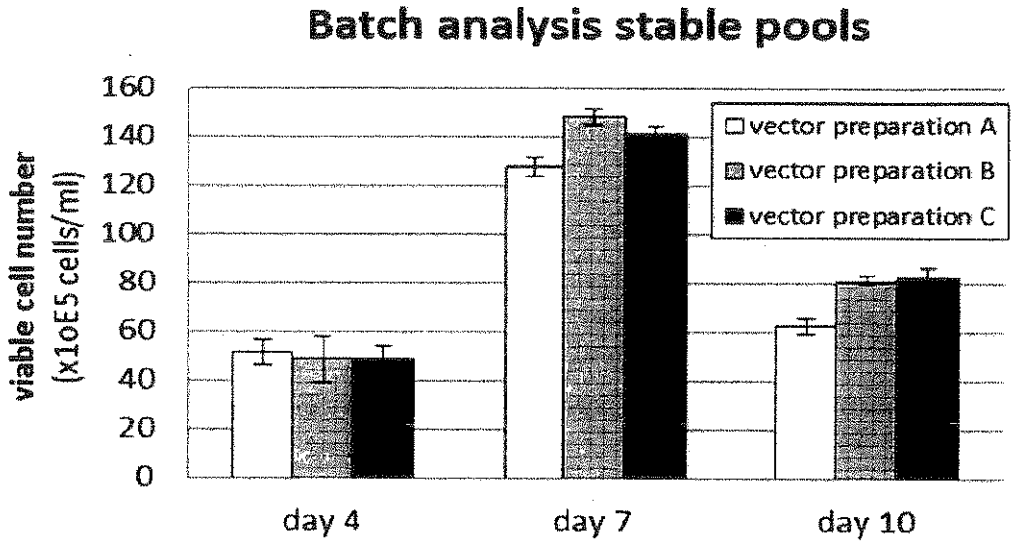

Batch analysis stable pools
viable cell number (x1oE5 cells/ml)
160
140
120
100
80
60
40
20
0
day 4
day 7
day 10
vector preparation A
vector preparation B
vector preparation C

Figure 9

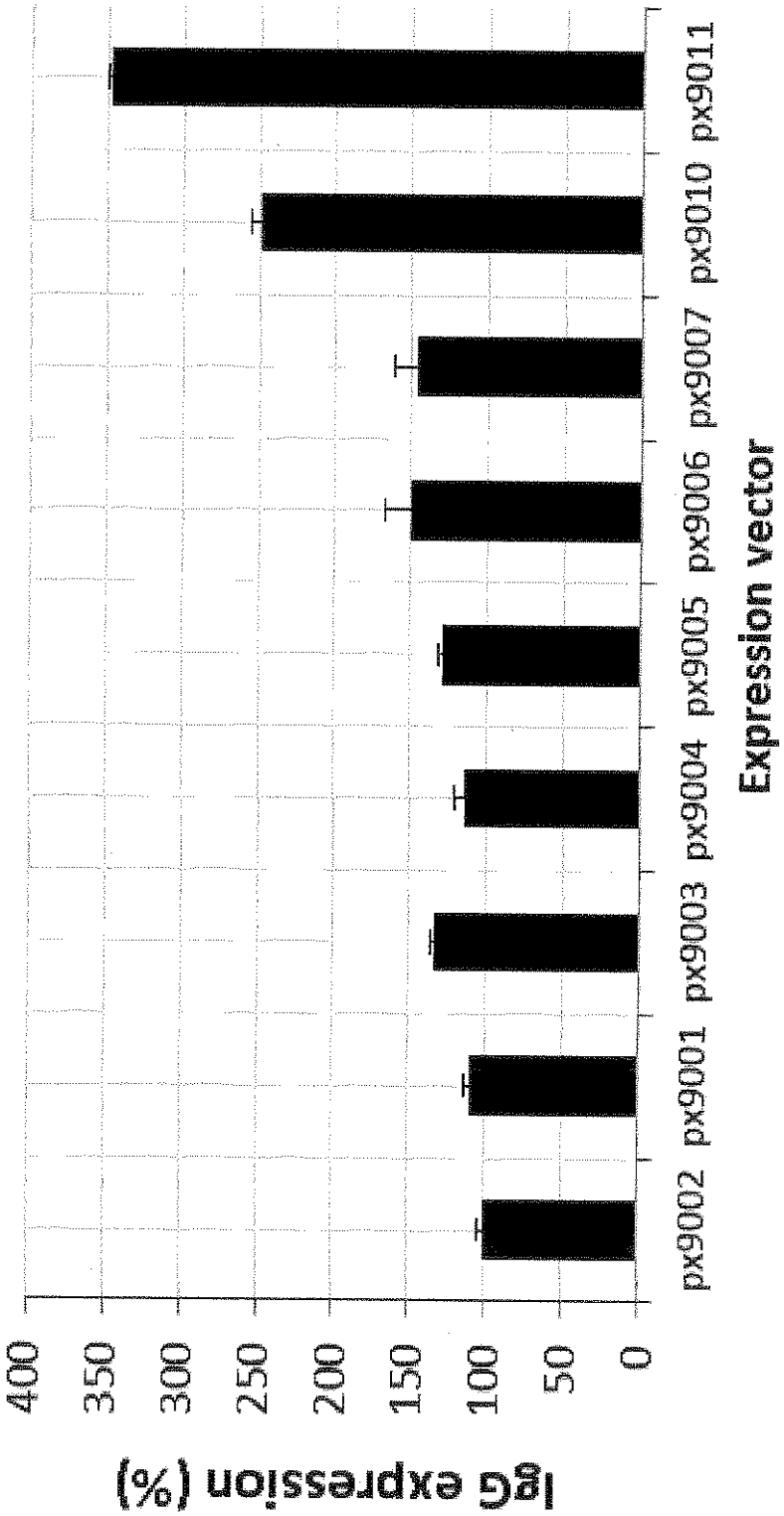
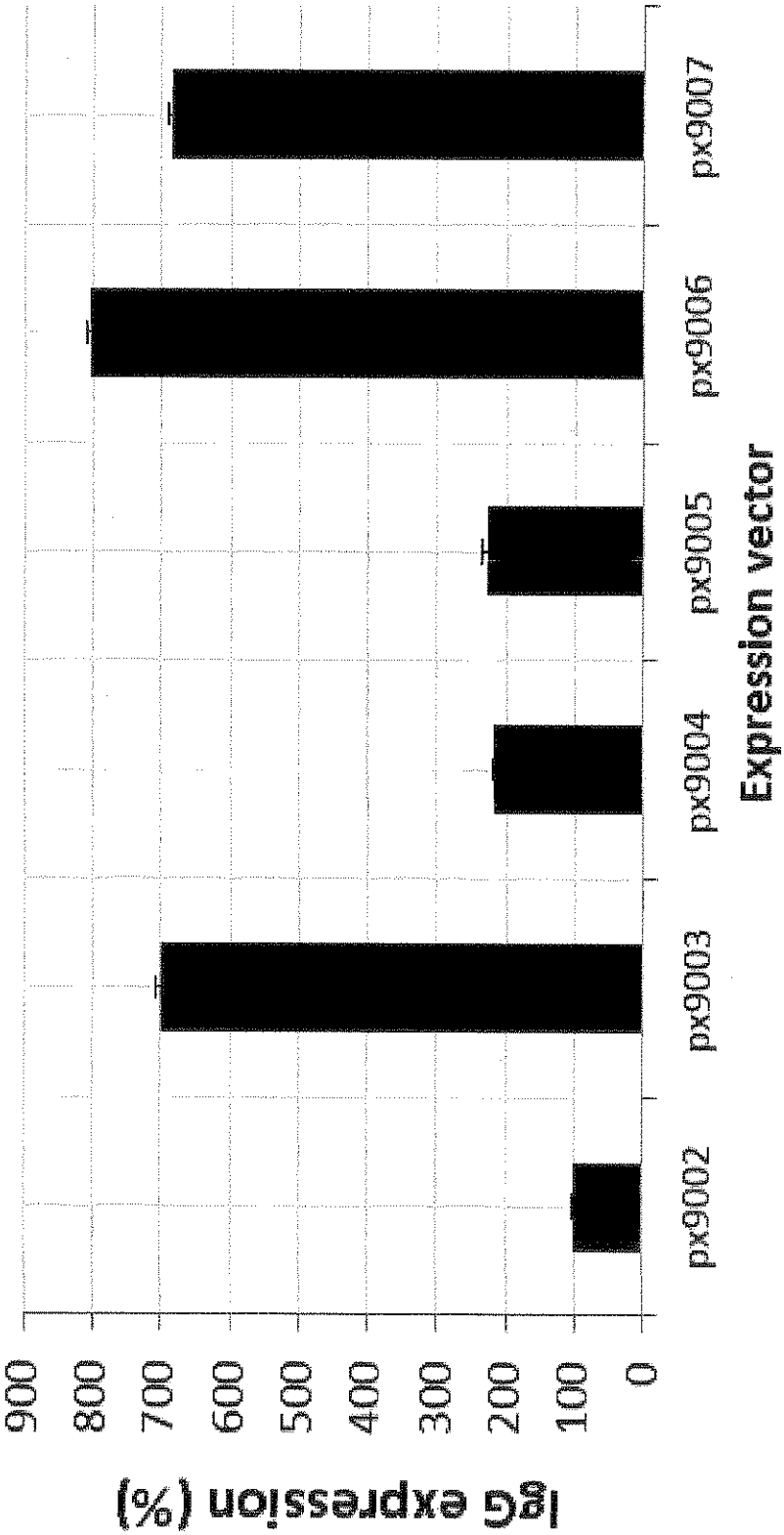

IgG expression (%)
400
350
300
250
200
150
100
50
0
px9002
px9001
px9003
px9004
px9005
px9006
px9007
px9010
px9011
Expression vector

Figure 10


IgG expression (%)
900
800
700
600
500
400
300
200
100
0
px9002
px9003
px9004
px9005
px9006
px9007
Expression vector