Fig. 1

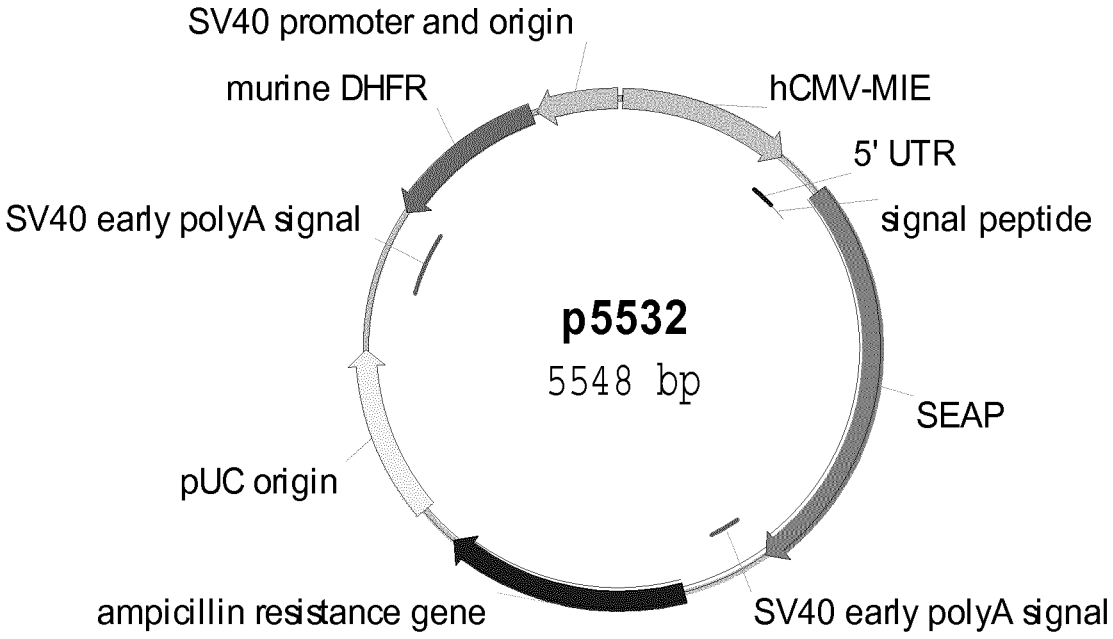

SV40 promoter and origin
murine DHFR
hCMV-MIE
5' UTR
signal peptide
SV40 early polyA signal
p5532
5548 bp
SEAP
pUC origin
ampicillin resistance gene
SV40 early polyA signal

Fig. 2

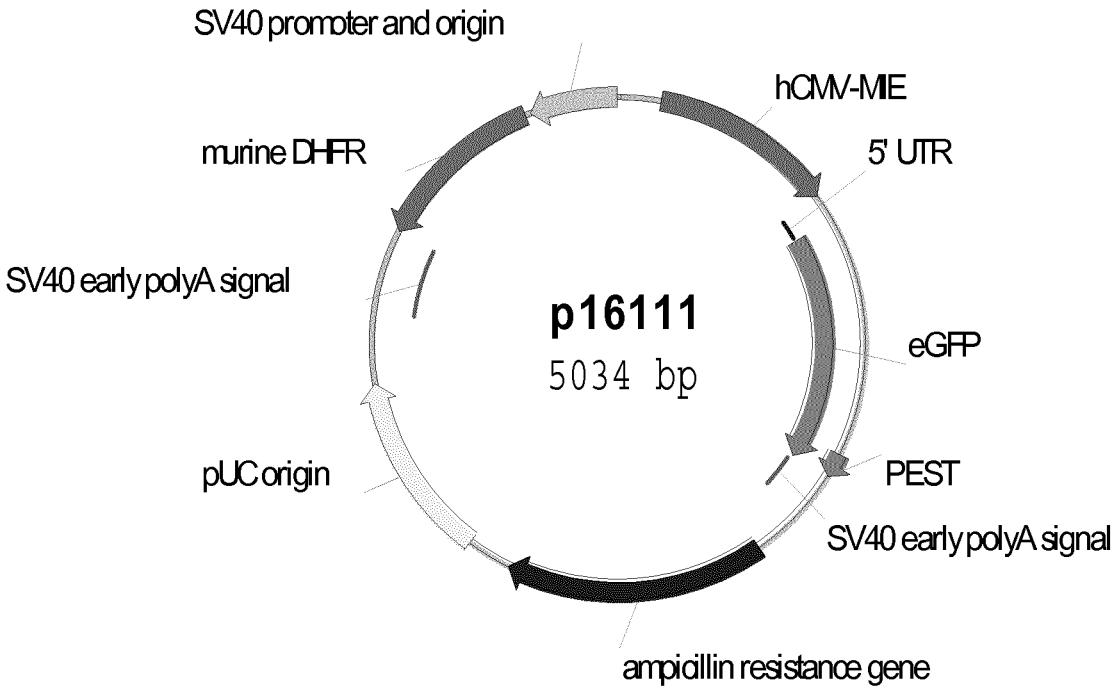
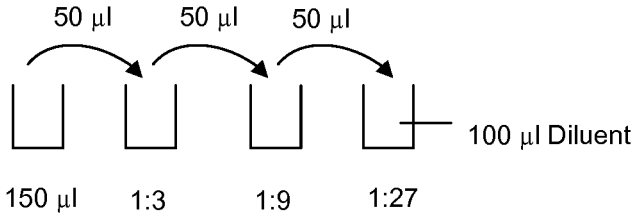

SV40 promoter and origin
hCMV-MIE
murine DHFR
5' UTR
SV40 early polyA signal
p16111
5034 bp
eGFP
pUC origin
PEST
SV40 early polyA signal
ampicillin resistance gene

Fig. 3



Centrifuged cell culture supernatant (13.000 rpm, 2 min)

Fig. 4

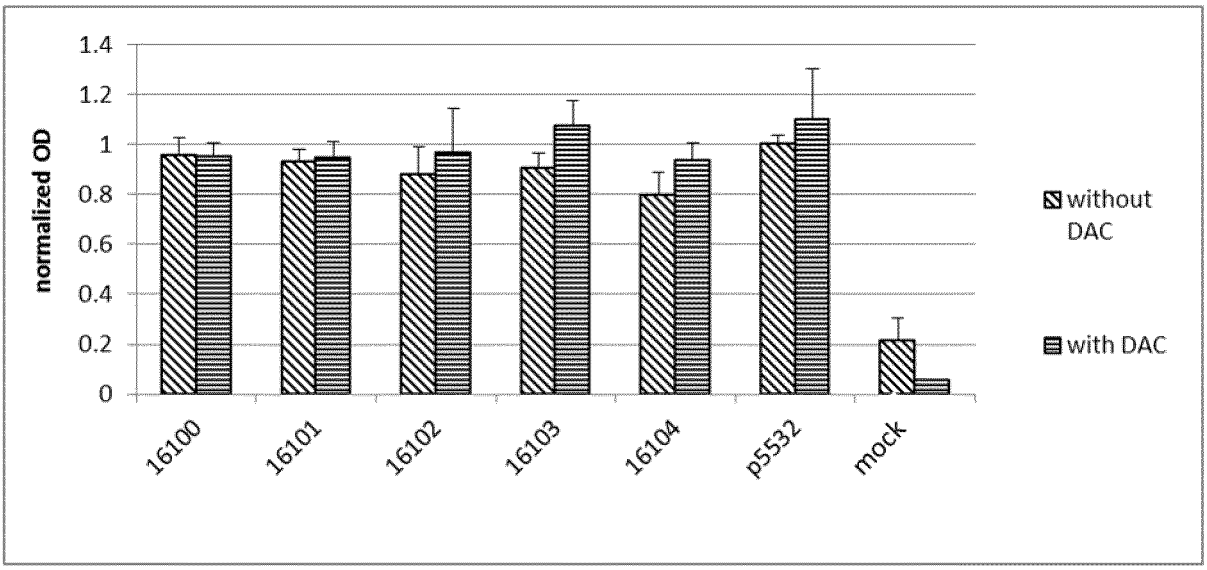

normalized OD
1.4
1.2
1
0.8
0.6
0.4
0.2
0
16100
16101
16102
16103
16104
p5532
mock
without DAC
with DAC

Fig. 5

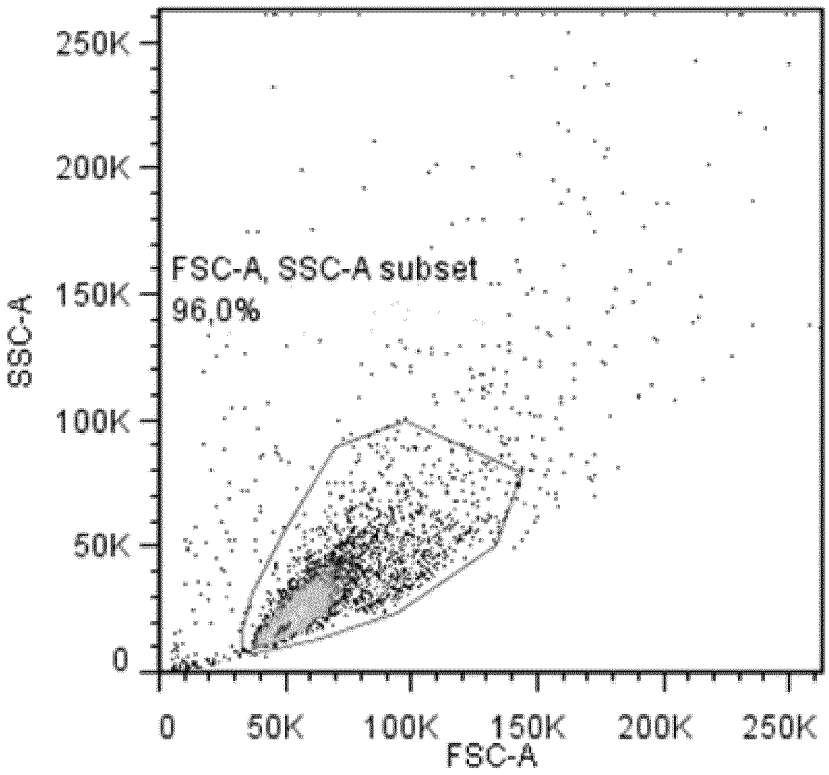

250K
200K
150K
100K
50K
0
SSC-A
FSC-A, SSC-A subset
96,0%
0
50K
100K
150K
200K
250K
FSC-A

Fig. 6

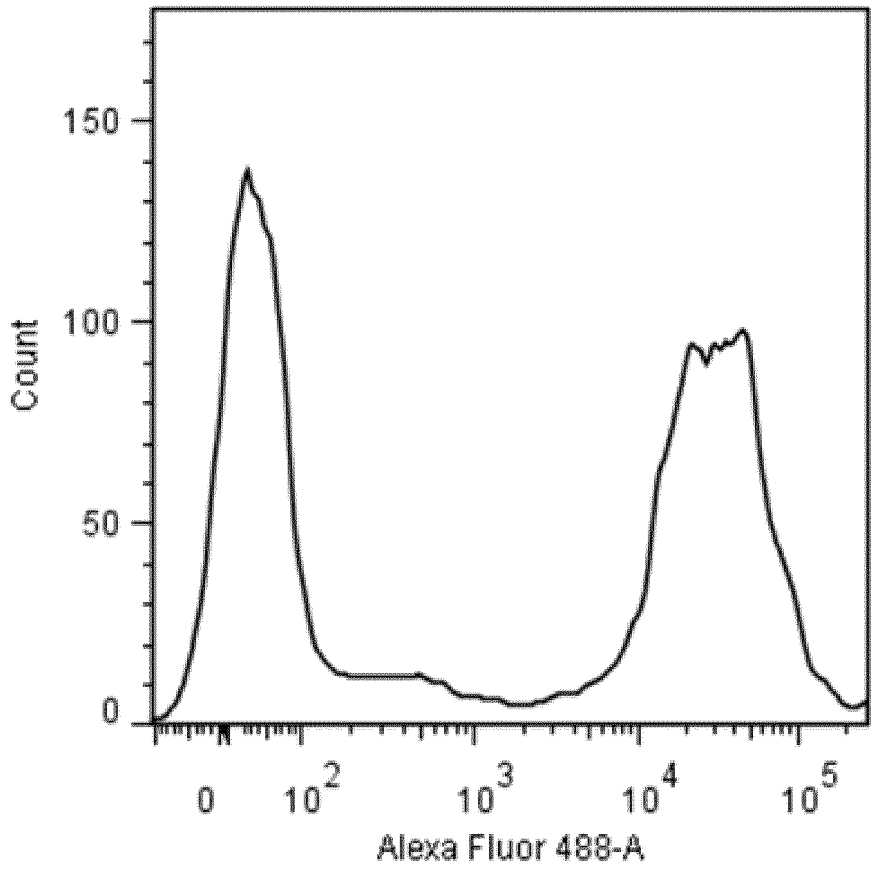


Fig. 7

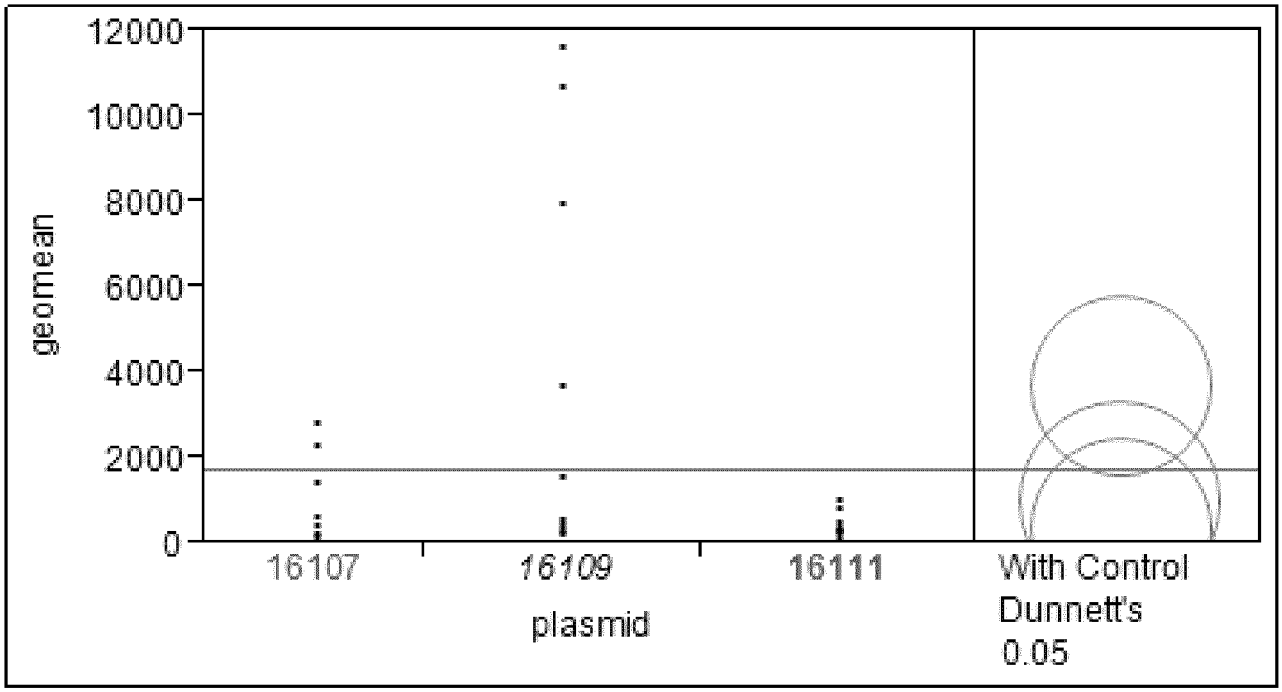

12000
10000
8000
6000
4000
2000
0
geomean
16107
16109
16111
plasmid
With Control
Dunnett's
0.05

Fig. 8

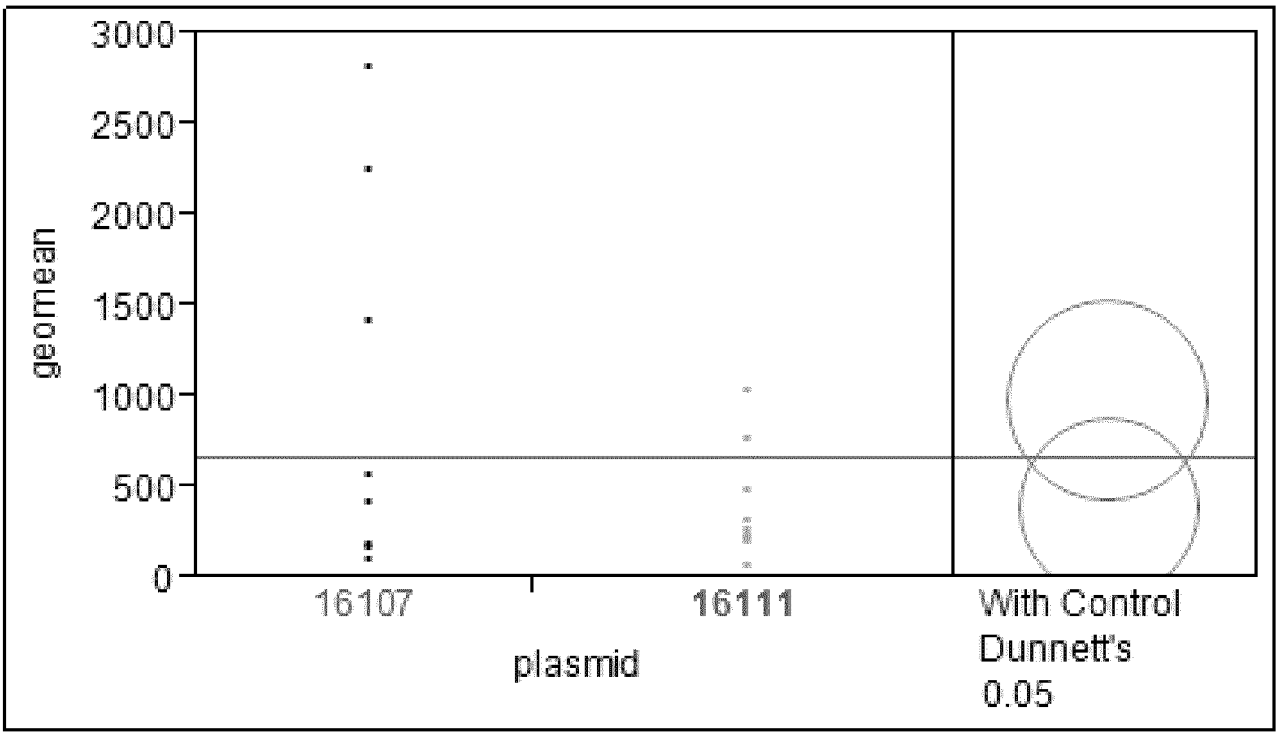

3000
2500
2000
1500
1000
500
0
geomean
16107
16111
plasmid
With Control
Dunnett's
0.05

Fig. 9

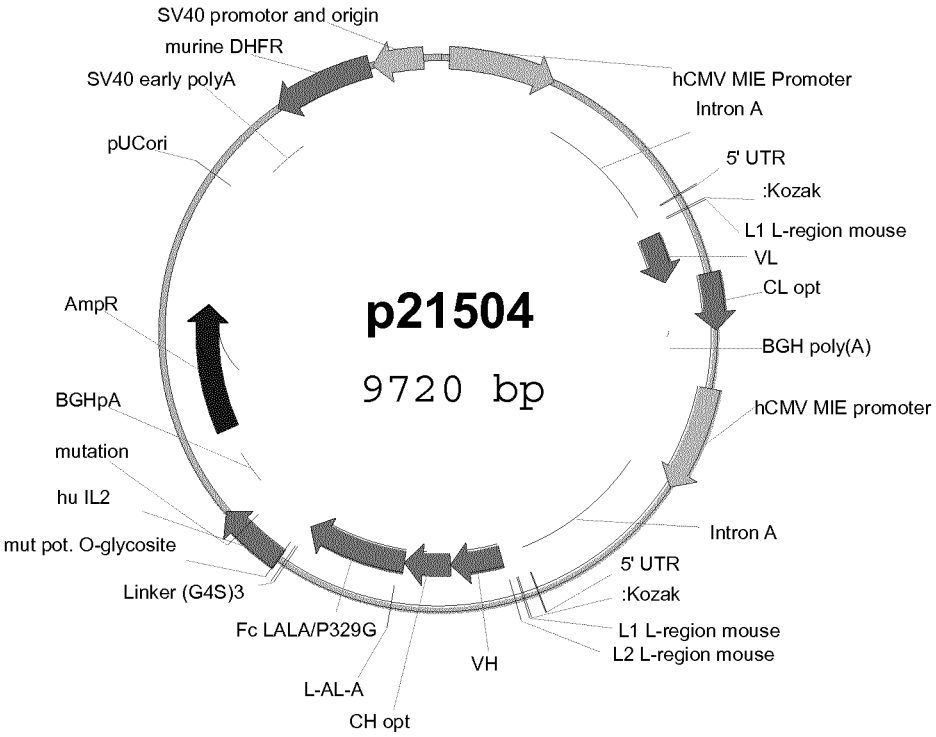
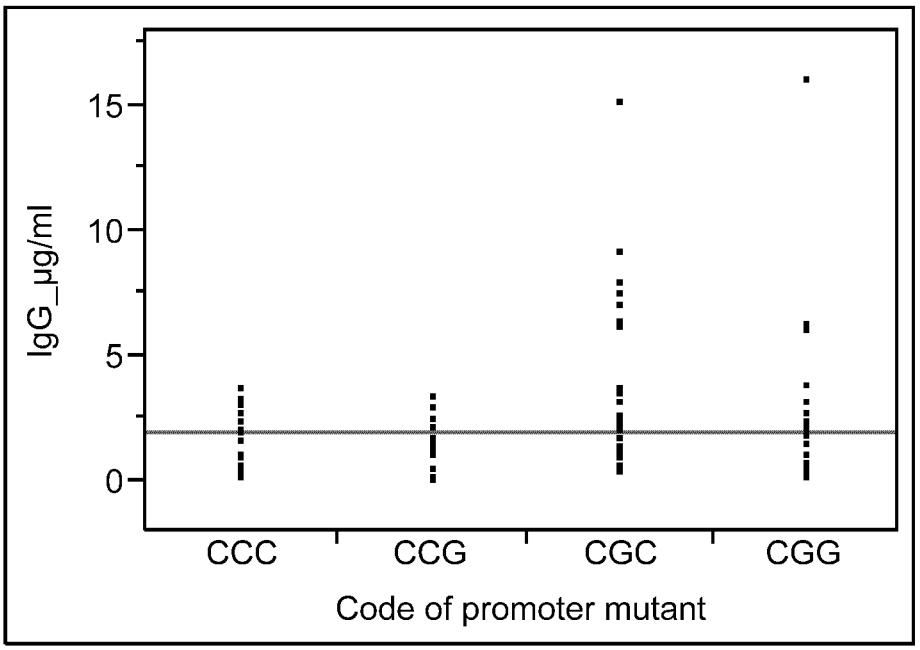

SV40 promotor and origin
murine DHFR
SV40 early polyA
pUCori
AmpR
BGHpA
mutation
hu IL2
mut pot. O-glycosite
Linker (G4S)3
Fc LALA/P329G
L-AL-A
CH opt
VH
L2 L-region mouse
L1 L-region mouse
:Kozak
5' UTR
Intron A
hCMV MIE promoter
BGH poly(A)
CL opt
VL
L1 L-region mouse
:Kozak
5' UTR
Intron A
hCMV MIE Promoter
p21504
9720 bp

Fig. 10

A)


15
10
5
0
IgG_µg/ml
CCC
CCG
CGC
CGG
Code of promoter mutant

B)

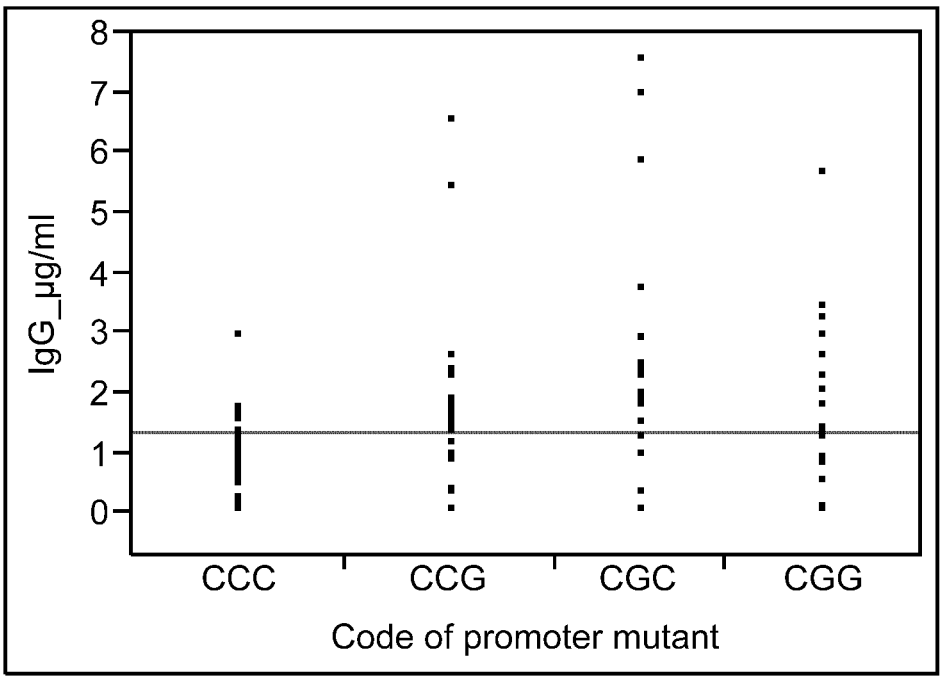
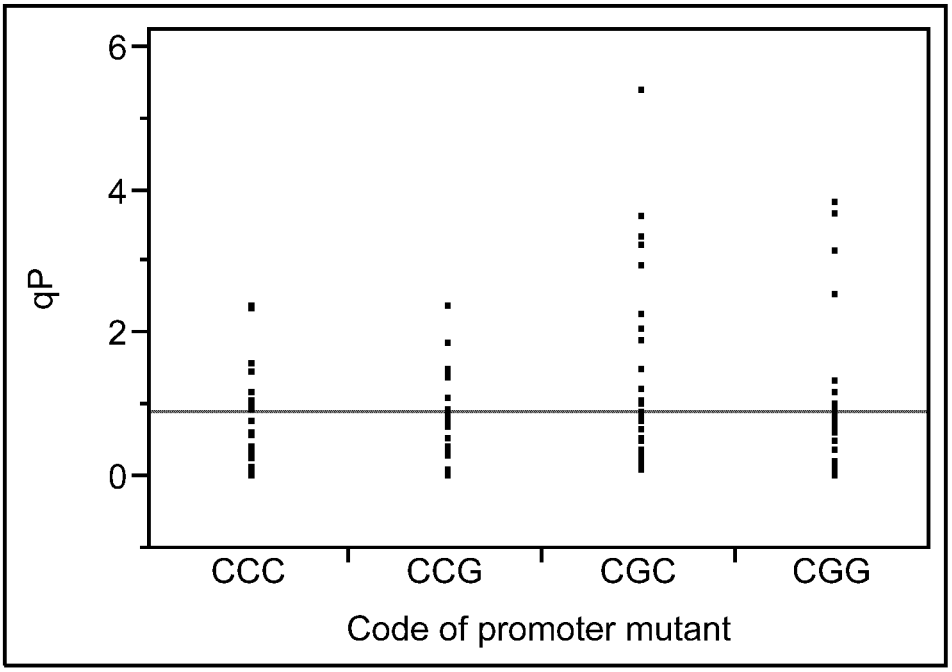

8
7
6
5
4
3
2
1
0
IgG_µg/ml
CCC
CCG
CGC
CGG
Code of promoter mutant

Fig. 11

A)


6
4
2
0
qP
CCC
CCG
CGC
CGG
Code of promoter mutant

B)

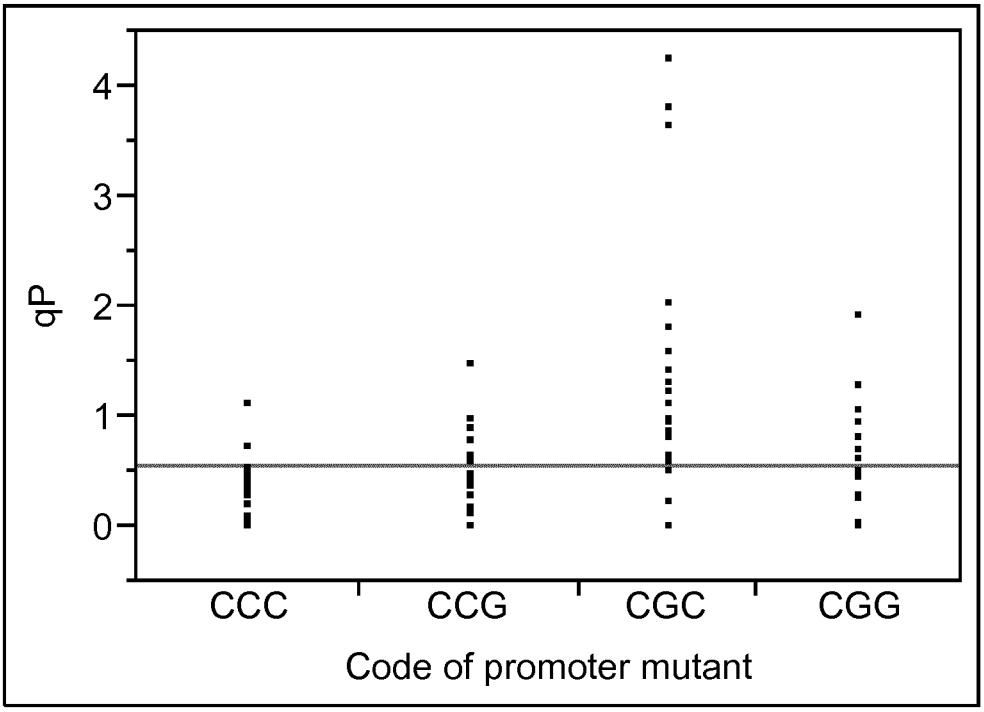
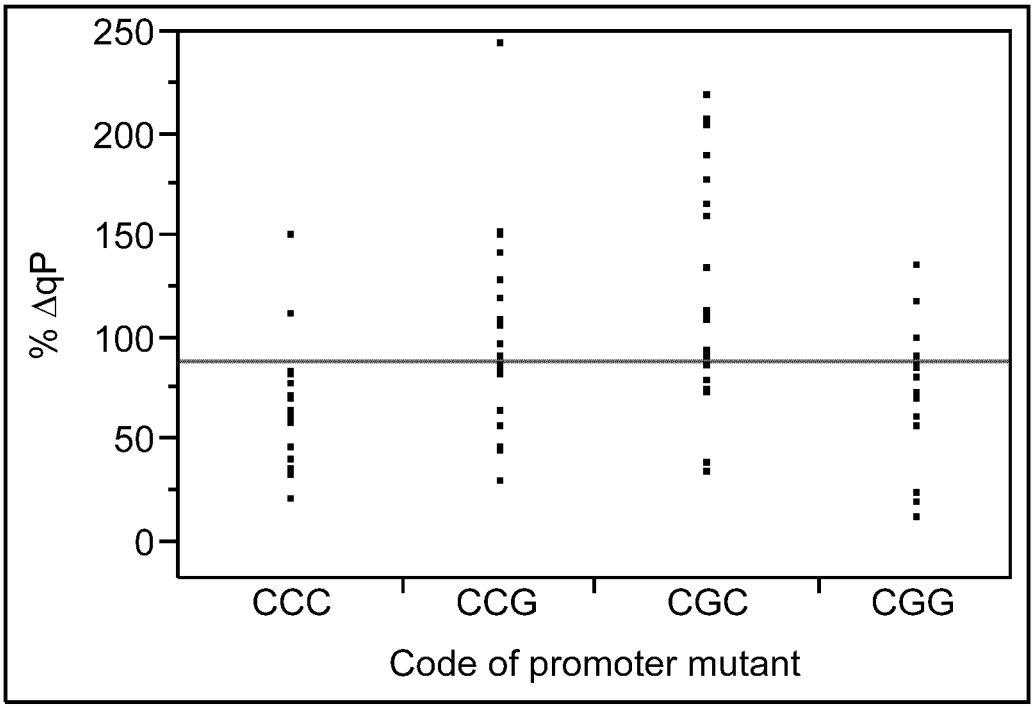

4
3
2
1
0
qP
CCC
CCG
CGC
CGG
Code of promoter mutant

Fig. 12


250
200
150
100
50
0
% ΔqP
CCC
CCG
CGC
CGG
Code of promoter mutant