Figure 1

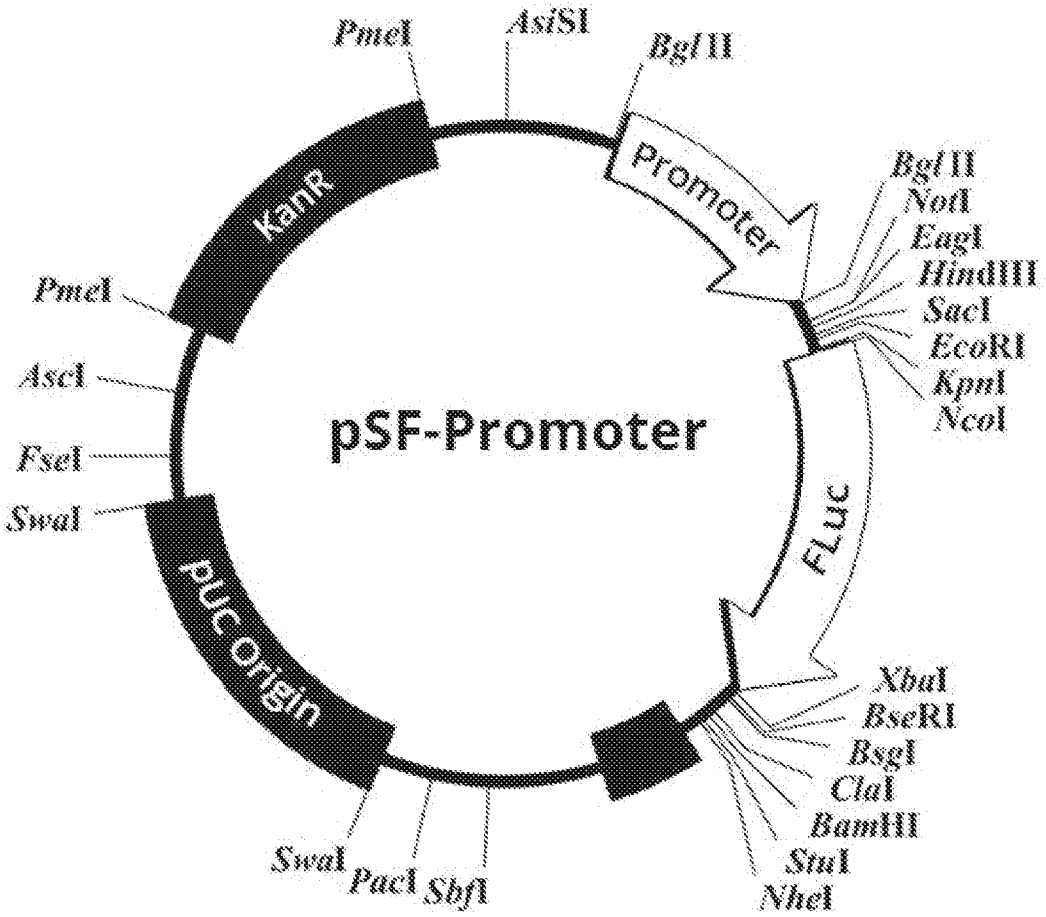

pSF-Promoter
PmeI
AsiSI
Bgl II
promoter
KanR
PmeI
AscI
FseI
SwaI
pUC origin
SwaI
PacI
SbfI
Bgl II
NotI
EagI
HindIII
SacI
EcoRI
KpnI
NcoI
FLuc
XbaI
BseRI
BsgI
ClaI
BamHI
StuI
NheI

Figure 2

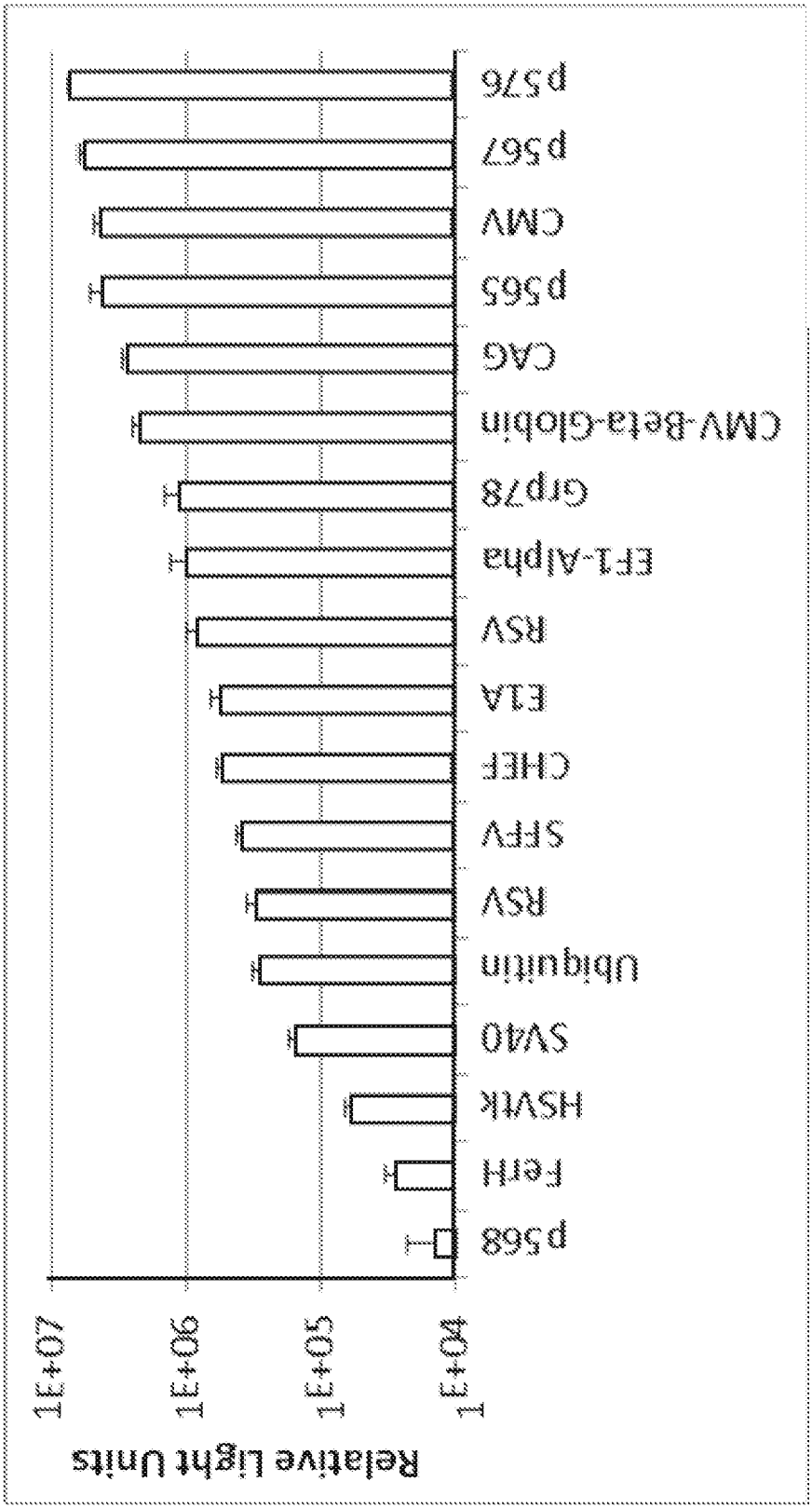

Relative Light Units
1E+04
1E+05
1E+06
1E+07
p568
FerH
HSVtk
SV40
Ubiquitin
RSV
SFFV
CHEF
E1A
RSV
EF1-Alpha
Grp78
CMV-Beta-Globin
CAG
p565
CMV
p567
p576

Figure 3

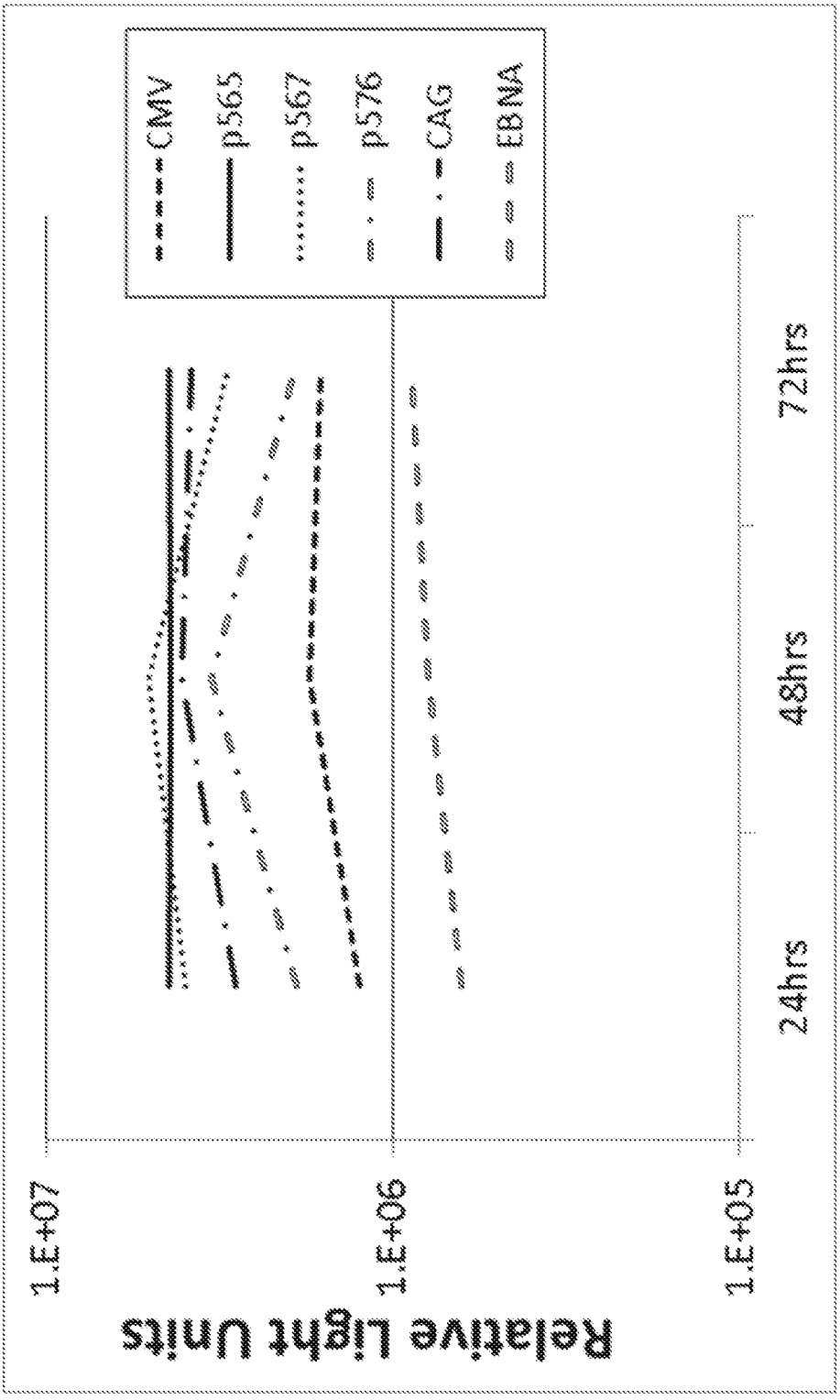

Relative Light Units
1.E+07
1.E+06
1.E+05
24hrs
48hrs
72hrs
CMV
p565
p567
p576
CAG
EBNA

Figure 4

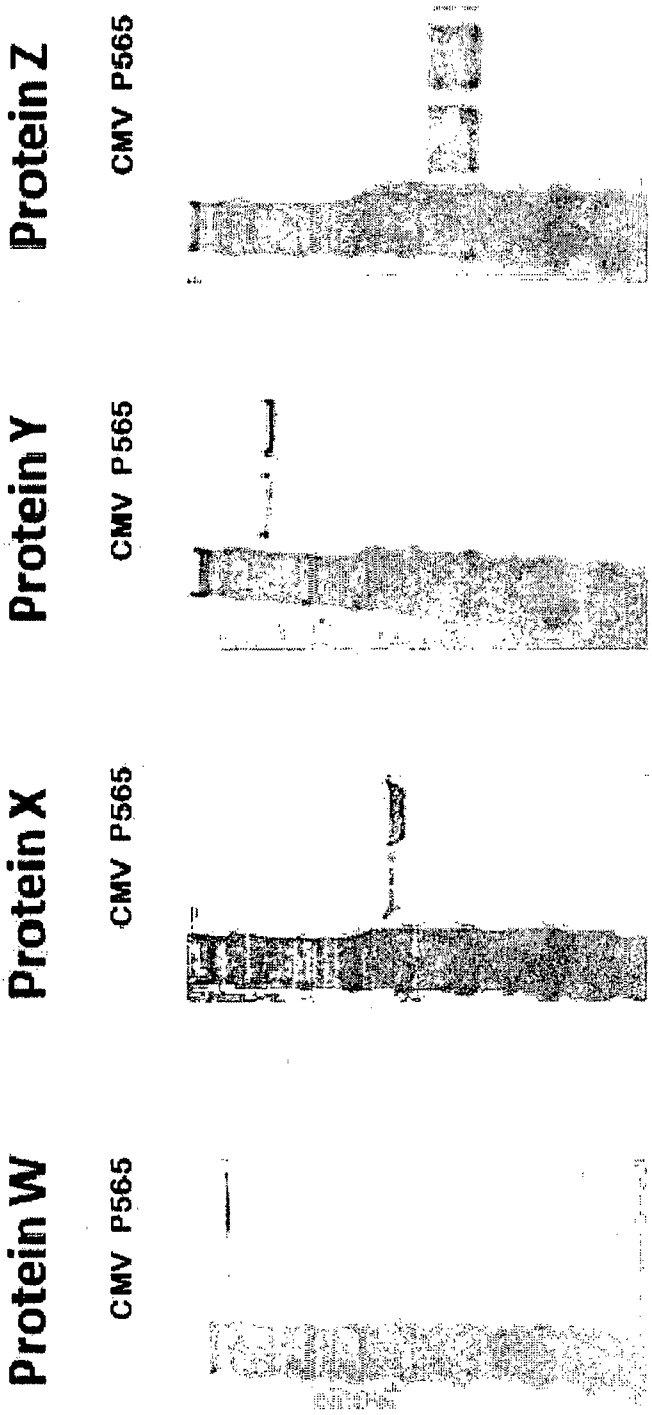

Protein Z
CMV P565
Protein Y
CMV P565
Protein X
CMV P565
Protein W
CMV P565

Figure 5

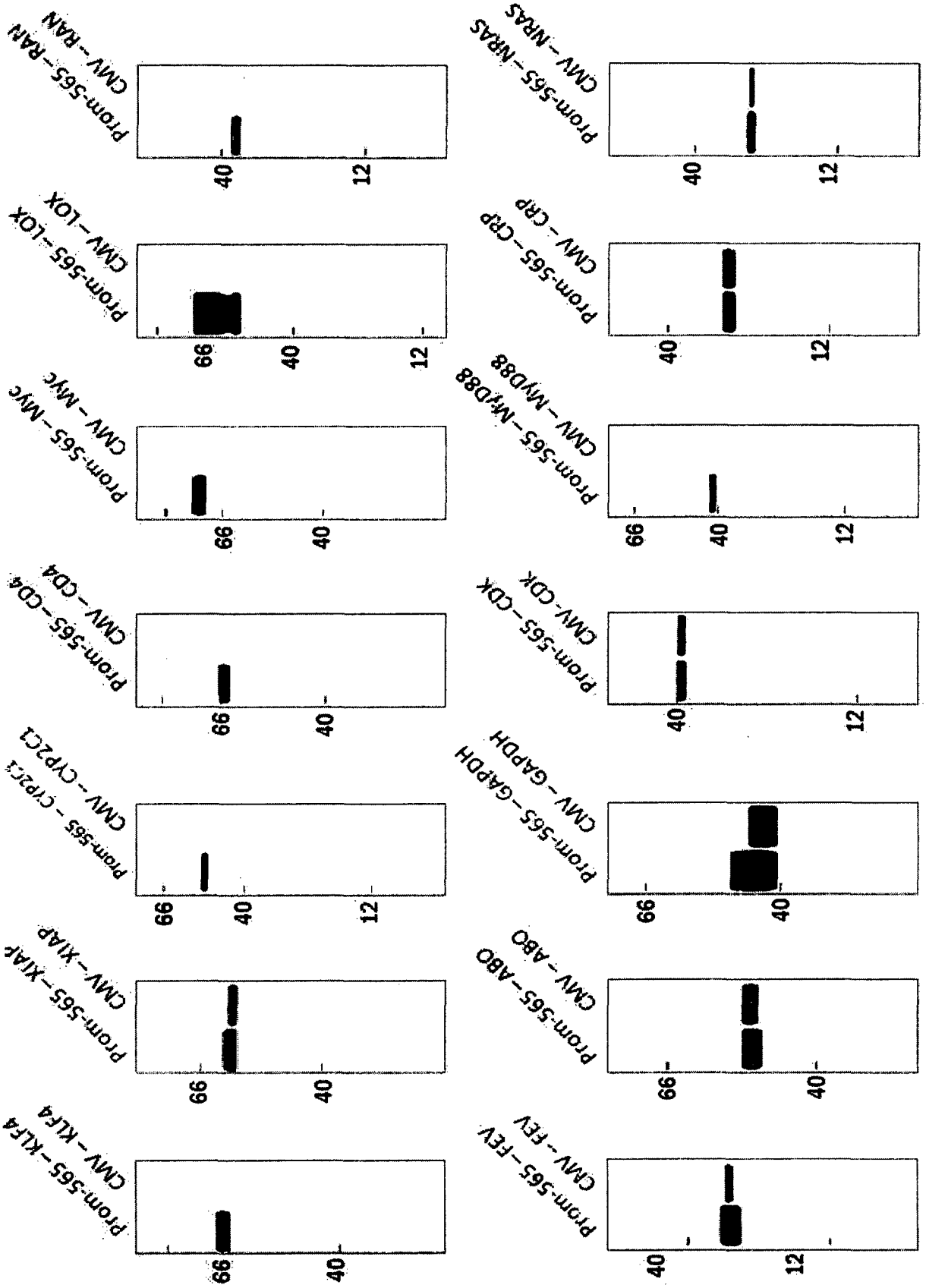

prom-565-NRAS
CMV-NRAS
prom-565-CRP
CMV-CRP
prom-565-MyD88
CMV-MyD88
prom-565-CDK
CMV-CDK
prom-565-GAPDH
CMV-GAPDH
prom-565-ABO
CMV-ABO
prom-565-FEV
CMV-FEV
prom-565-RAN
CMV-RAN
prom-565-LOX
CMV-LOX
prom-565-MYC
CMV-MYC
prom-565-CD4
CMV-CD4
prom-565-CYP2C1
CMV-CYP2C1
prom-565-XIAP
CMV-XIAP
prom-565-KLF4
CMV-KLF4
99
66
40
12

Figure 6

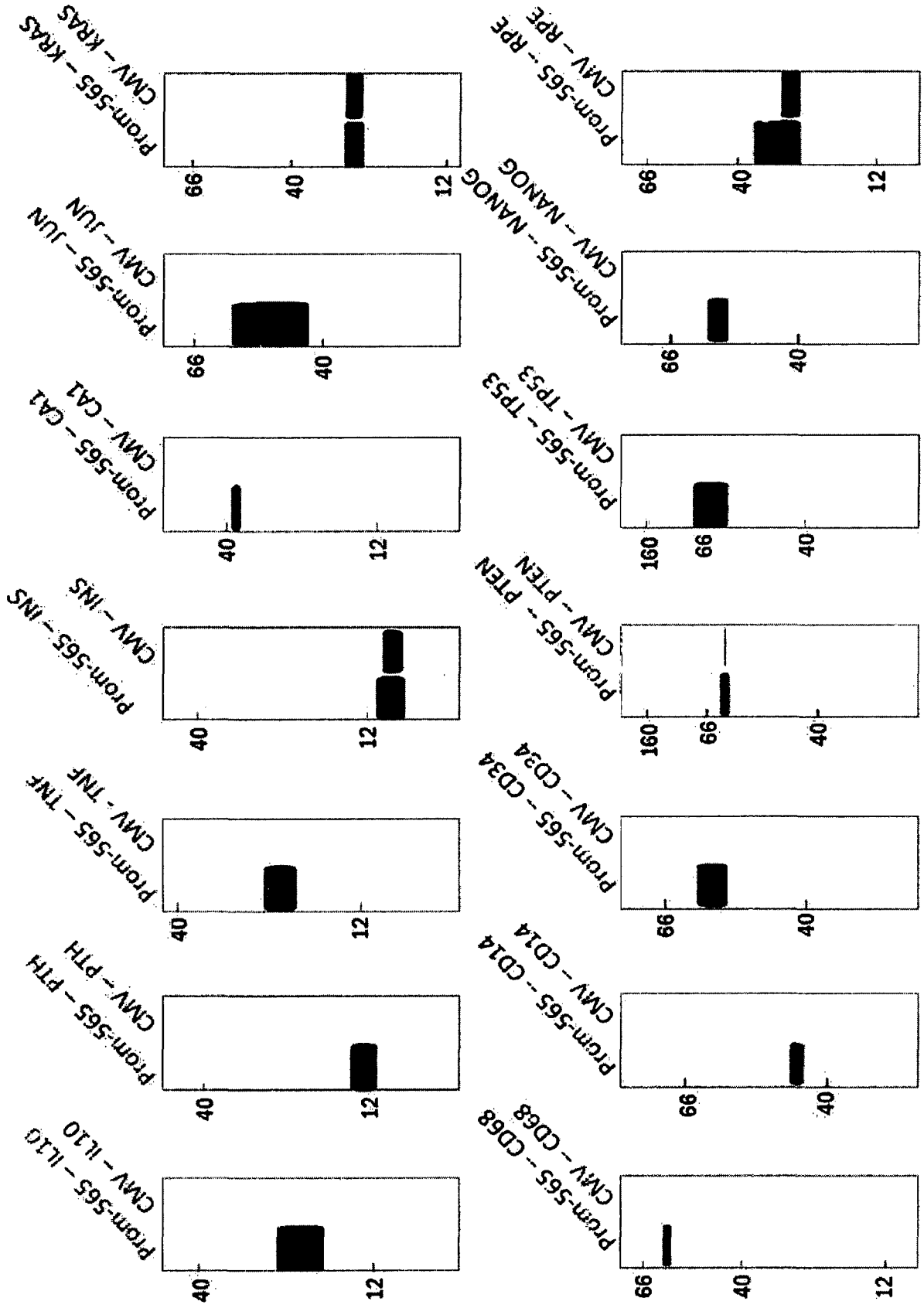

prom-565 - RPE
CMV - RPE
66
40
12
prom-565 - NANOG
CMV - NANOG
66
40
prom-565 - TP53
CMV - TP53
160
66
40
prom-565 - PTEN
CMV - PTEN
160
66
40
prom-565 - CD34
CMV - CD34
66
40
prom-565 - CD14
CMV - CD14
66
40
prom-565 - CD68
CMV - CD68
66
40
12
prom-565 - KRAS
CMV - KRAS
66
40
12
prom-565 - JUN
CMV - JUN
66
40
prom-565 - CA1
CMV - CA1
40
12
prom-565 - INS
CMV - INS
40
12
prom-565 - TNF
CMV - TNF
40
12
prom-565 - PTH
CMV - PTH
40
12
prom-565 - IL10
CMV - IL10
40
12

Figure 7

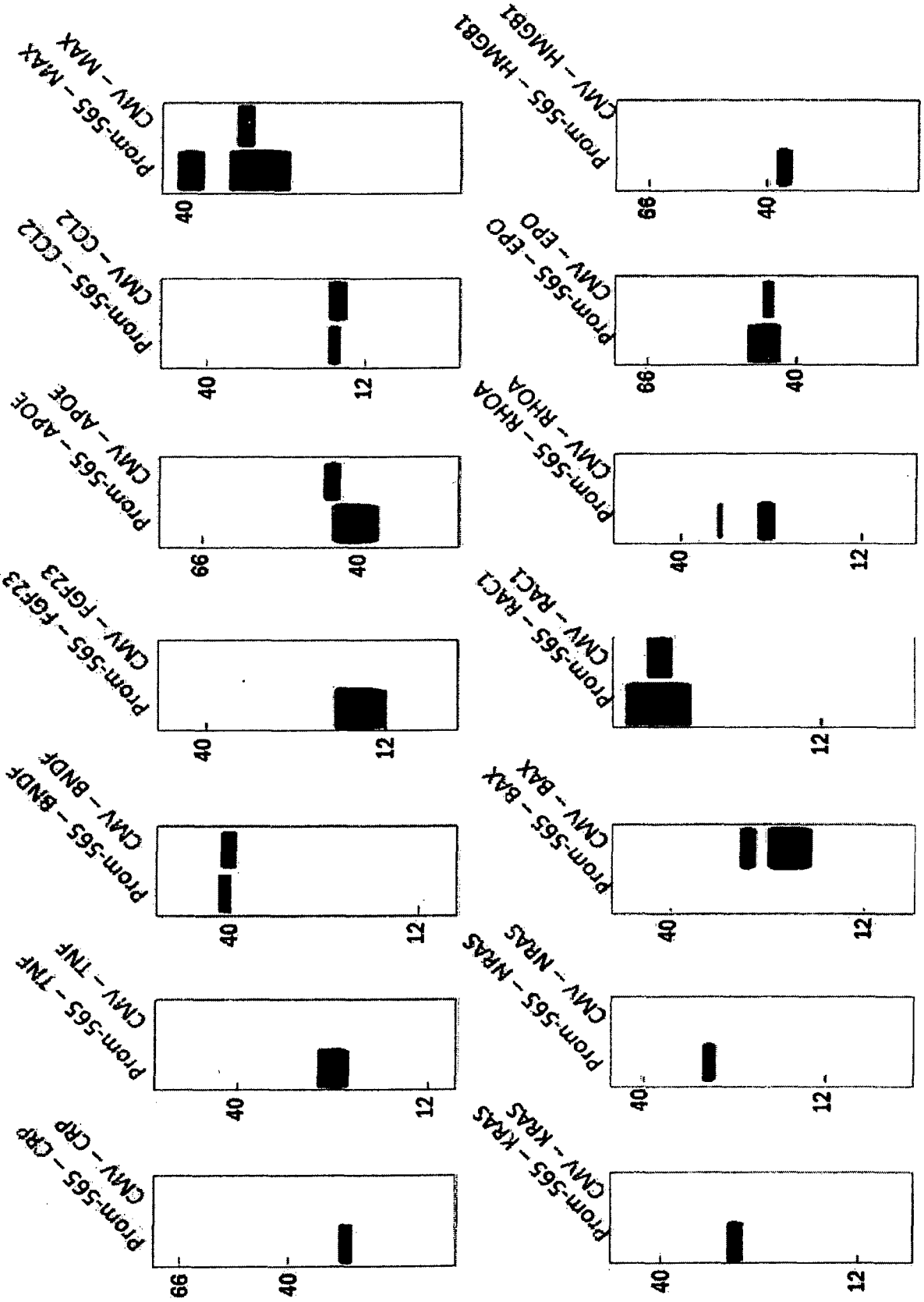

prom-565 - HMGB1
CMV - HMGB1
66
40
prom-565 - MAX
CMV - MAX
40
prom-565 - EPO
CMV - EPO
66
40
prom-565 - CCL2
CMV - CCL2
40
12
prom-565 - RHOA
CMV - RHOA
40
12
prom-565 - APOE
CMV - APOE
66
40
prom-565 - RAC1
CMV - RAC1
12
prom-565 - FGF23
CMV - FGF23
40
12
prom-565 - BAX
CMV - BAX
40
12
prom-565 - BNDF
CMV - BNDF
40
12
prom-565 - NRAS
CMV - NRAS
40
12
prom-565 - TNF
CMV - TNF
40
12
prom-565 - KRAS
CMV - KRAS
40
12
prom-565 - CRP
CMV - CRP
66
40

Figure 8

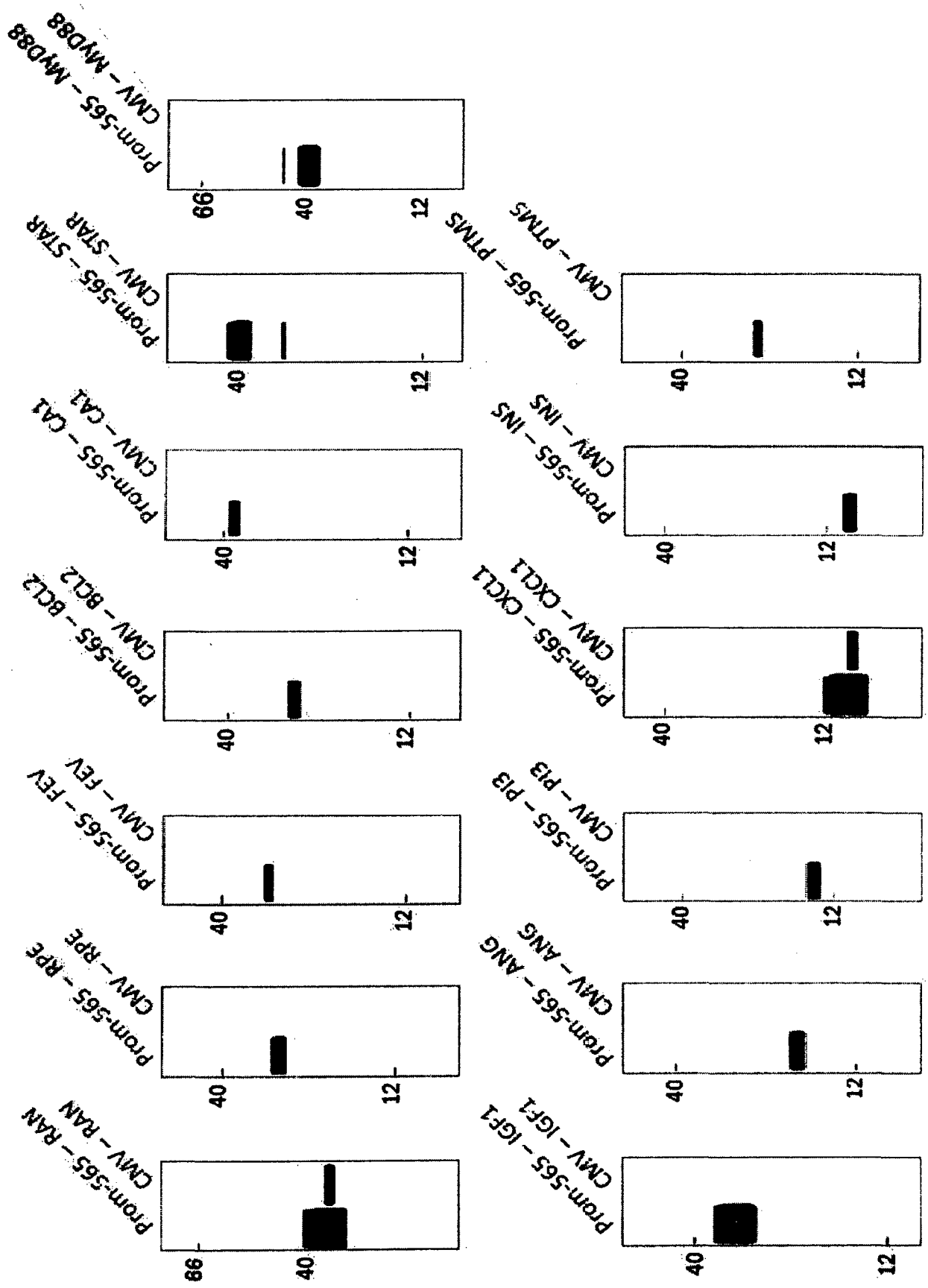

prom-565 - MYD88
CMV - MYD88
99
40
12
prom-565 - PTMS
CMV - PTMS
40
12
prom-565 - STAR
CMV - STAR
40
12
prom-565 - INS
CMV - INS
40
12
prom-565 - CA1
CMV - CA1
40
12
prom-565 - CXCL1
CMV - CXCL1
40
12
prom-565 - BCL2
CMV - BCL2
40
12
prom-565 - P13
CMV - P13
40
12
prom-565 - FEV
CMV - FEV
40
12
prom-565 - ANG
CMV - ANG
40
12
prom-565 - RPE
CMV - RPE
40
12
prom-565 - IGF1
CMV - IGF1
40
12
prom-565 - RAN
CMV - RAN
66
40

Figure 9

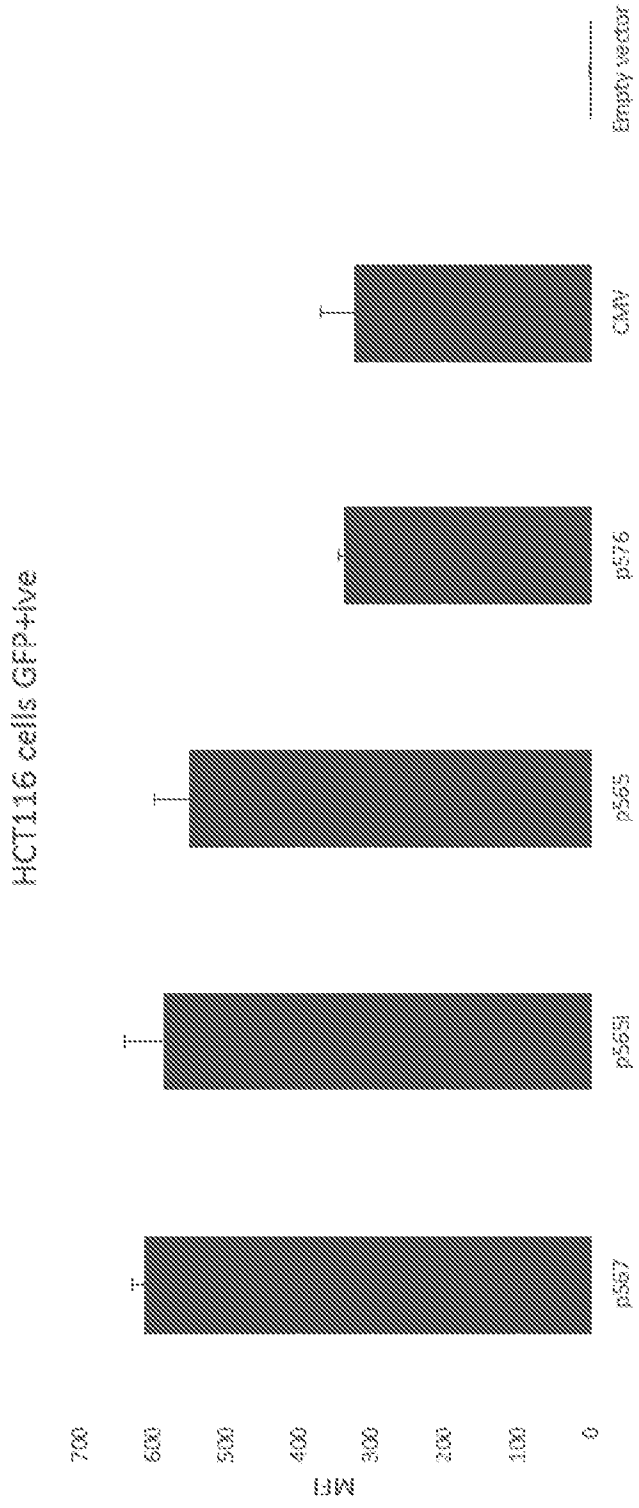
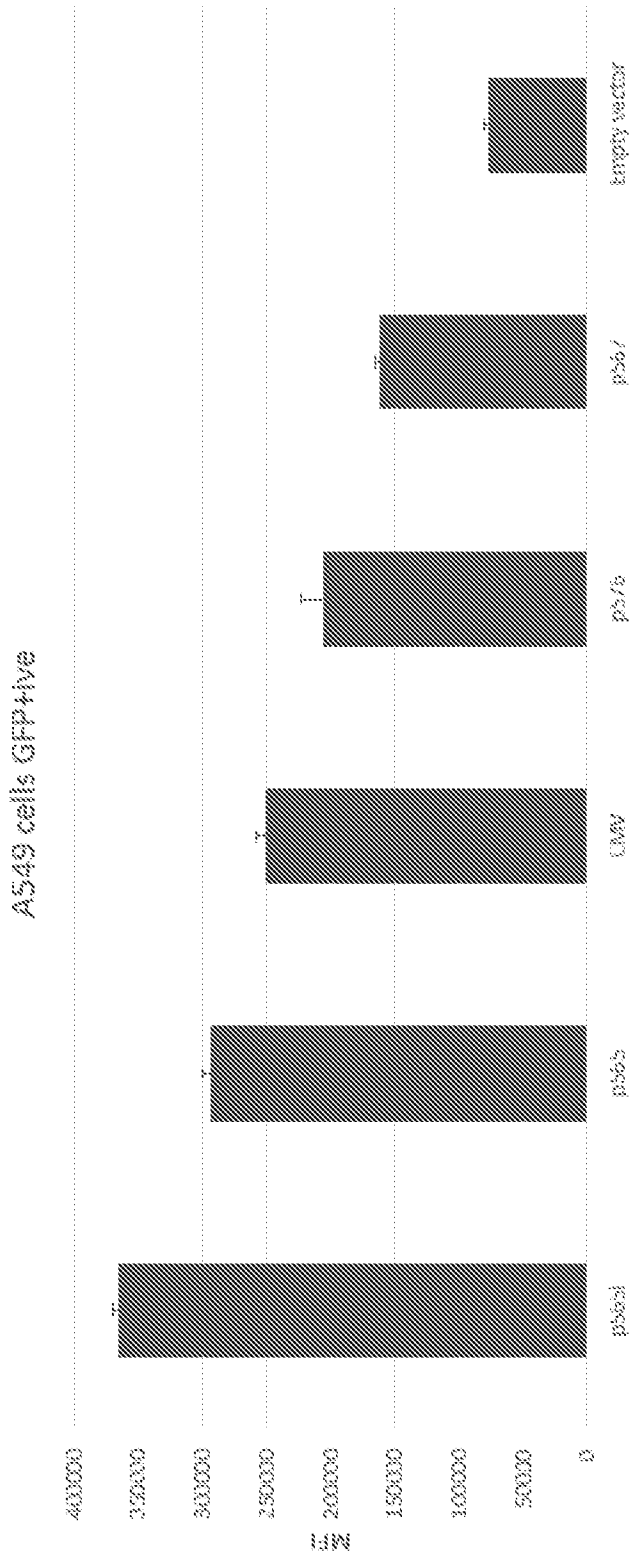

HCT116 cells GFP+ve
MFI
700
600
500
400
300
200
100
0
p567
p563
p565
p576
CMV
Empty vector

Figure 10


A549 cells GFP+ive
MFI
400000
350000
300000
250000
200000
150000
100000
50000
0
pbsa1
pbs3
LMW
pbs6
pbs7
empty vector