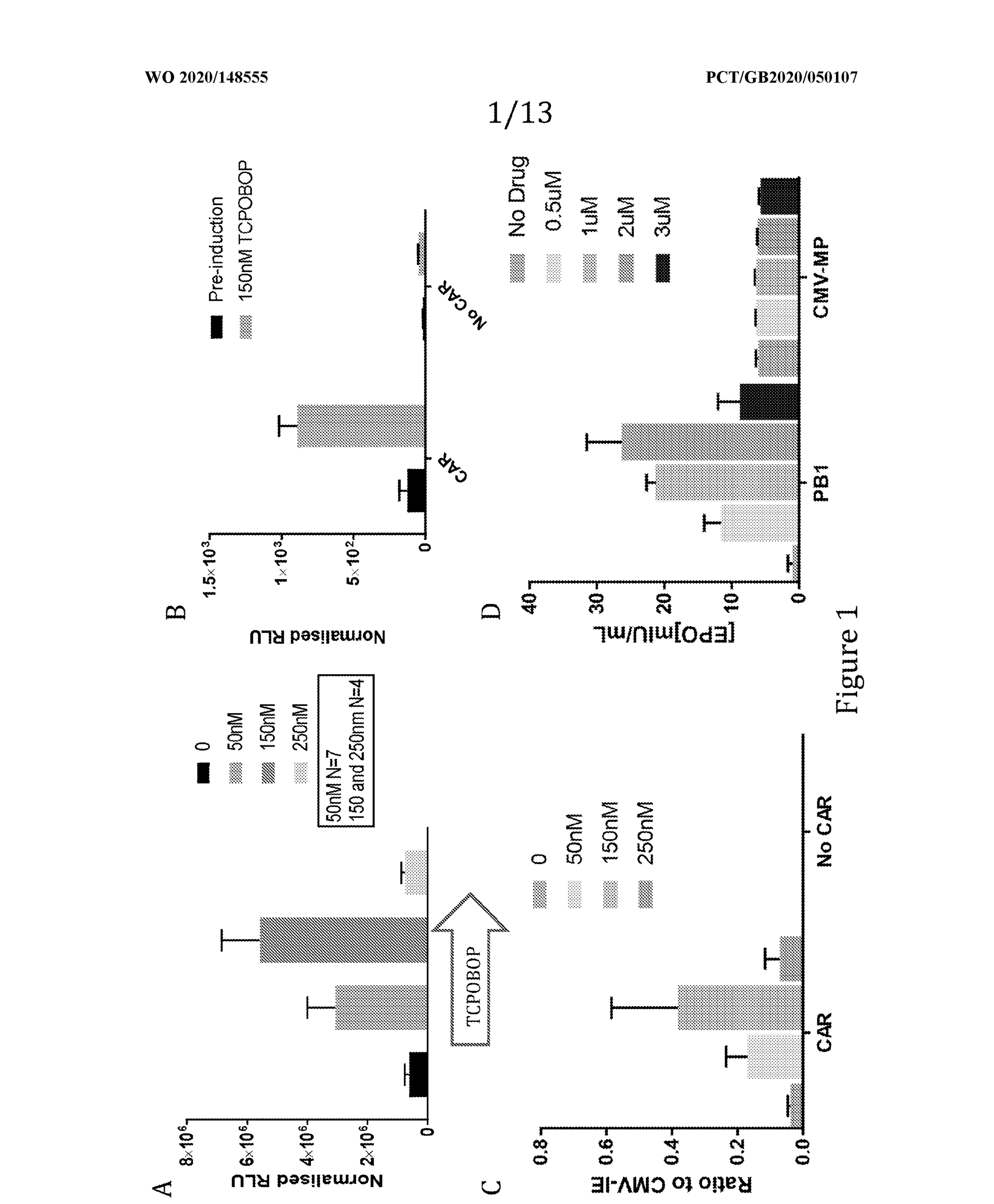
Pre-induction
150nM TCPOBOP
No Drug
0.5uM
1uM
2uM
3uM
No CAR
CAR
CMV-MP
PB1
B
Normalised RLU
1.5×10³
1×10³
5×10²
0
D
[EPO]mIU/mL
40
30
20
10
0
0
50nM
150nM
250nM
50nM N=7
150 and 250nm N=4
TCPOBOP
No CAR
CAR
A
Normalised RLU
8×10⁶
6×10⁶
4×10⁶
2×10⁶
0
C
Ratio to CMV-IE
0.8
0.6
0.4
0.2
0.0

Figure 1

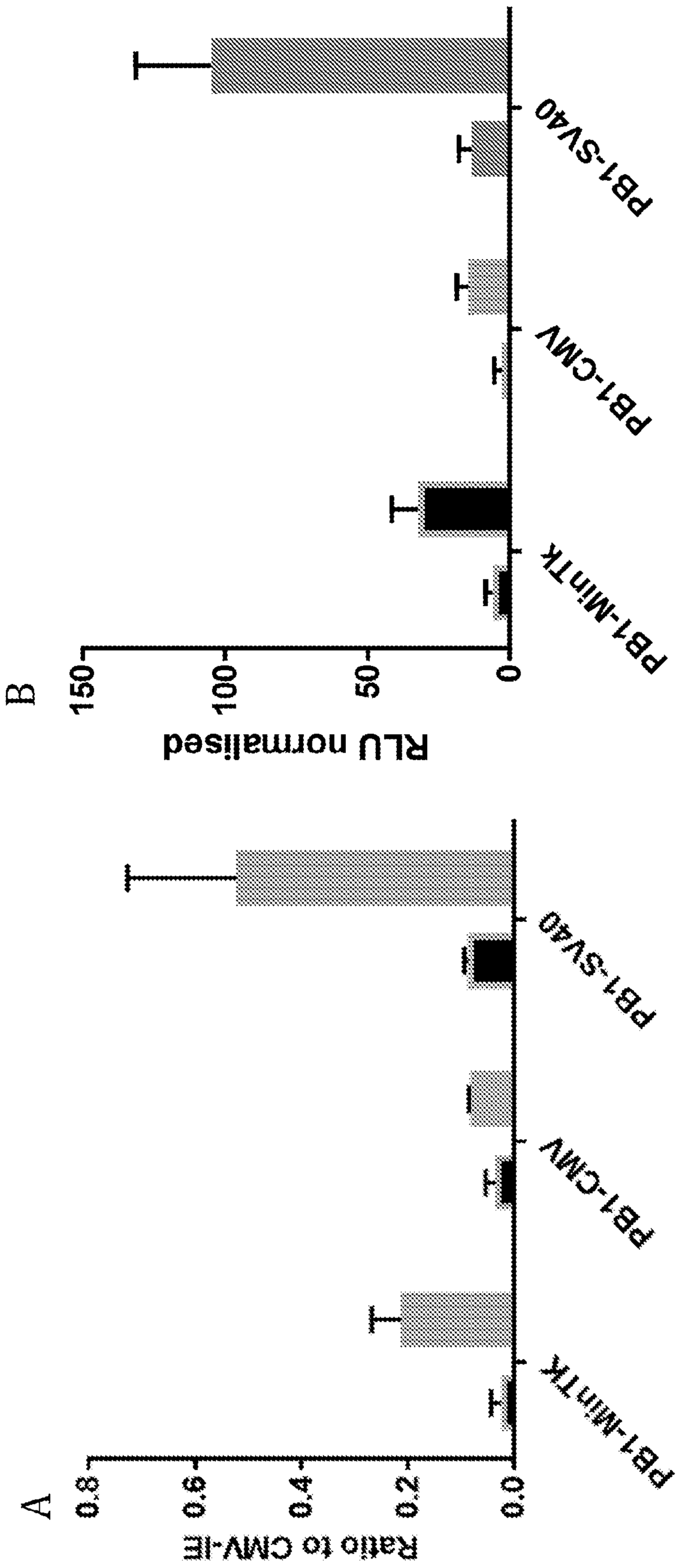
A
Ratio to CMV-IE
0.0
0.2
0.4
0.6
0.8
PB1-MinTK
PB1-CMV
PB1-SV40
B
RLU normalised
0
50
100
150
PB1-MinTK
PB1-CMV
PB1-SV40

Figure 2

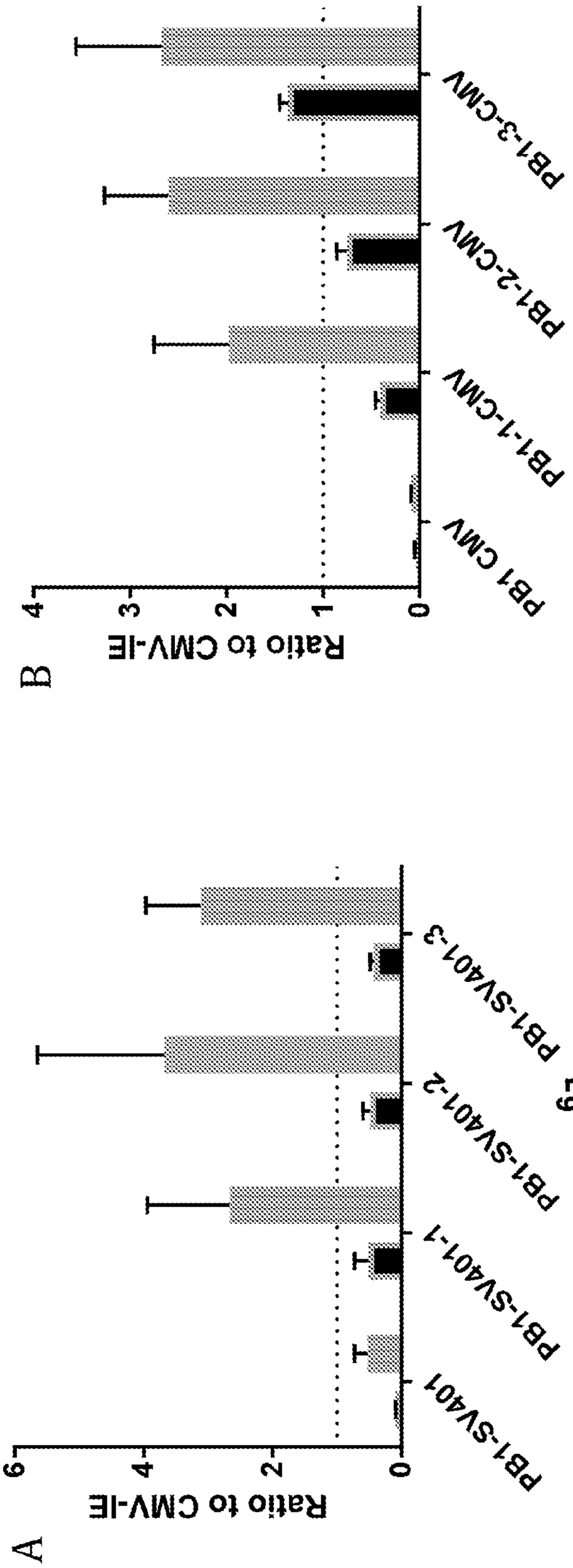
PB1 CMV
PB1-1-CMV
PB1-2-CMV
PB1-3-CMV
Ratio to CMV-IE
0
1
2
3
4
B
PB1
PB1-1
PB1-2
PB1-3
Ratio to CMV-IE
0
2
4
6
C
PB1-SV40-1
PB1-SV40-2
PB1-SV40-3
Ratio to CMV-IE
0
2
4
6
A

Figure 3

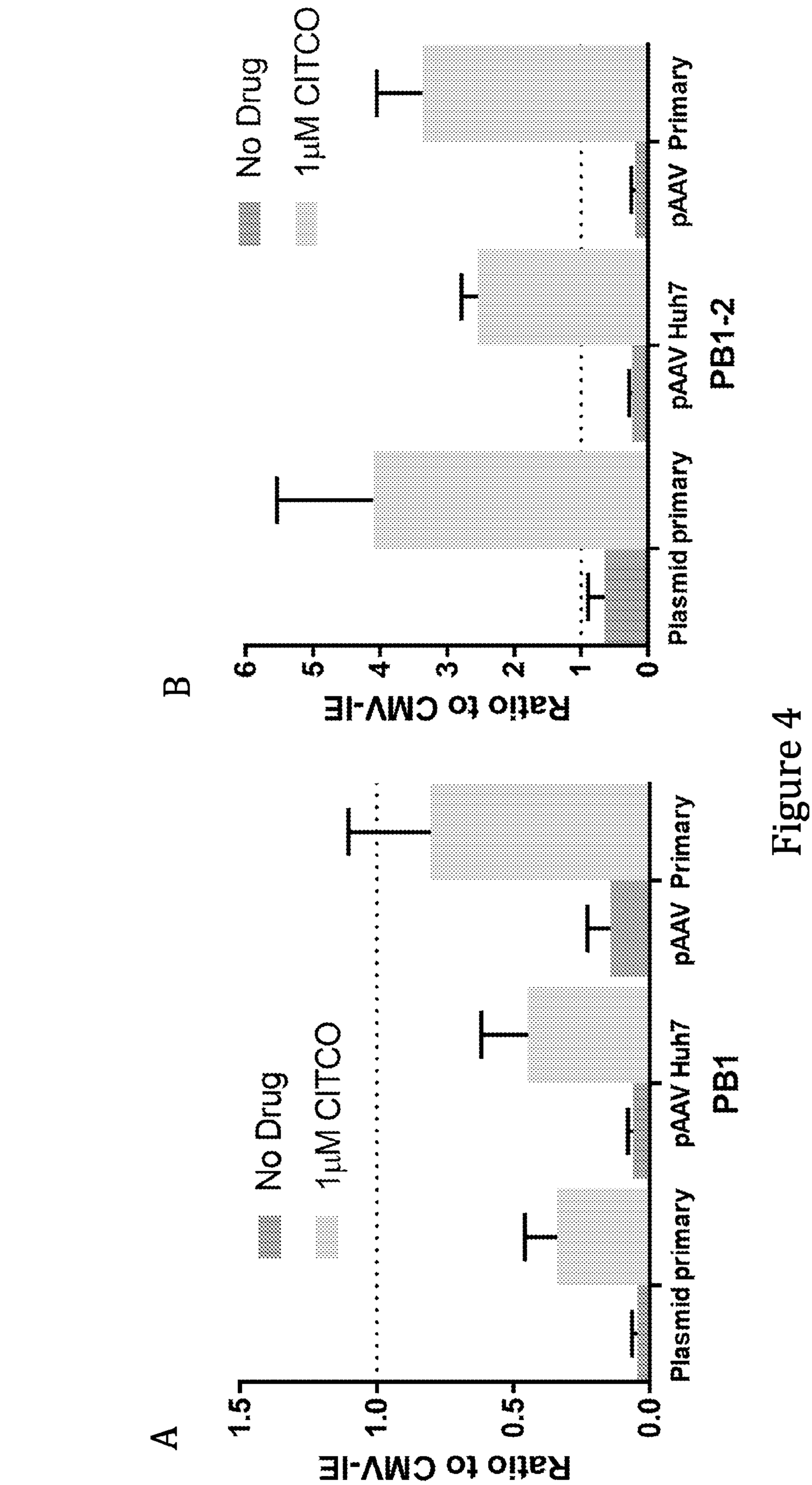
No Drug
1µM CITCO
Ratio to CMV-IE
6
5
4
3
2
1
0
Plasmid primary
pAAV Huh7
pAAV Primary
PB1-2
B
1.5
1.0
0.5
0.0
Plasmid primary
pAAV Huh7
pAAV Primary
PB1
A

Figure 4

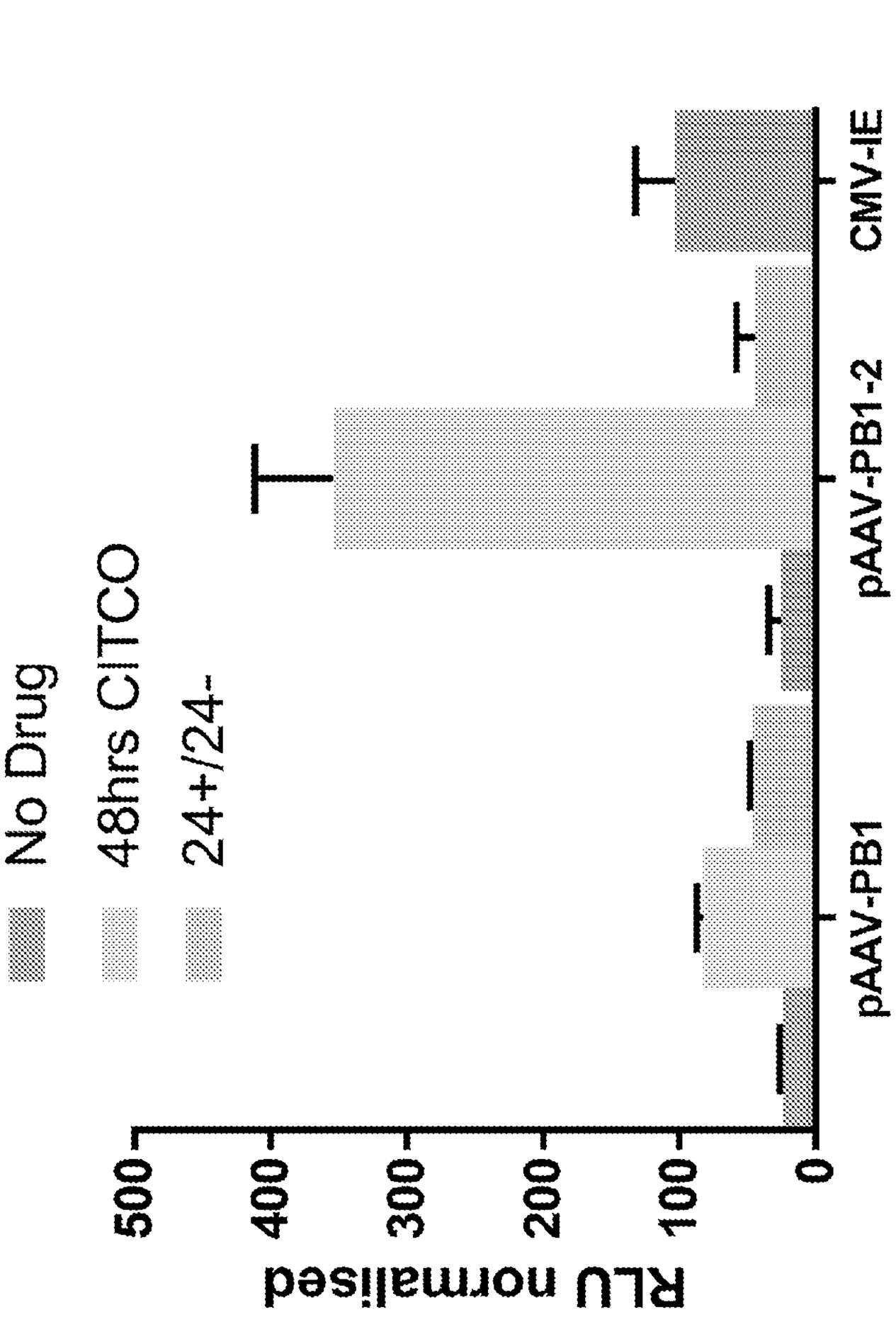
No Drug
48hrs CITCO
24+/24-4-
RLU normalised
500
400
300
200
100
0
pAAV-PB1
pAAV-PB1-2
CMV-IE

Figure 5

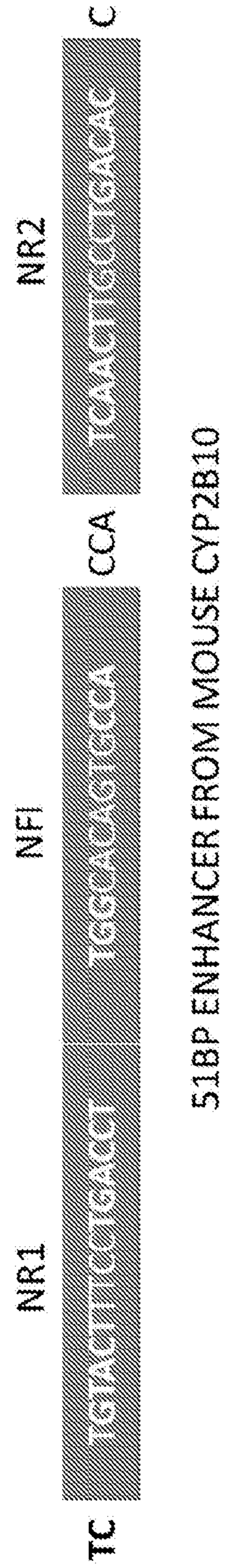

Figure 6

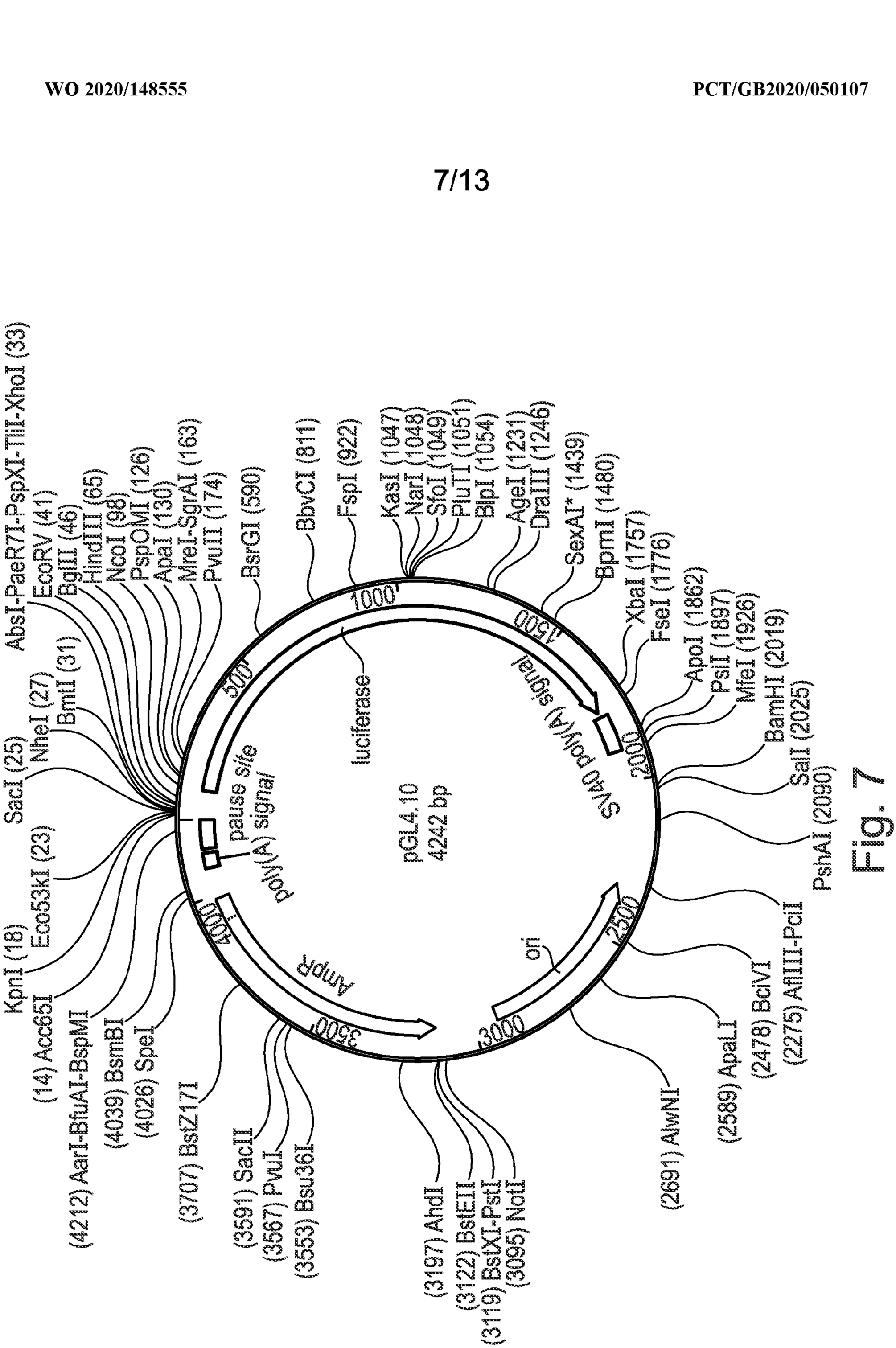
pGL4.10
4242 bp
luciferase
SV40 poly(A) signal
ori
AmpR
poly(A) signal
pause site
500
1000
1500
2000
2500
3000
3500
4000
SacI (25)
NheI (27)
BmtI (31)
AbsI-PaeR7I-PspXI-TliI-XhoI (33)
EcoRV (41)
BglII (46)
HindIII (65)
NcoI (98)
PspOMI (126)
ApaI (130)
MreI-SgrAI (163)
PvuII (174)
BsrGI (590)
BbvCI (811)
FspI (922)
KasI (1047)
NarI (1048)
SfoI (1049)
PluTI (1051)
BlpI (1054)
AgeI (1231)
DraIII (1246)
SexAI* (1439)
BpmI (1480)
XbaI (1757)
FseI (1776)
ApoI (1862)
PsiI (1897)
MfeI (1926)
BamHI (2019)
SalI (2025)
PshAI (2090)
(2275) AflIII-PciI
(2478) BciVI
(2589) ApaLI
(2691) AlwNI
(3119) BsaBI
(3122) BstEII
(3197) AhdI
(3095) NotI
(3553) Bsu36I
(3567) PvuI
(3591) SacII
(3707) BstZ17I
(4026) SpeI
(4039) BsmBI
(4212) AarI-BfuAI-BspMI
(14) Acc65I
KpnI (18)
Eco53kI

Fig. 7

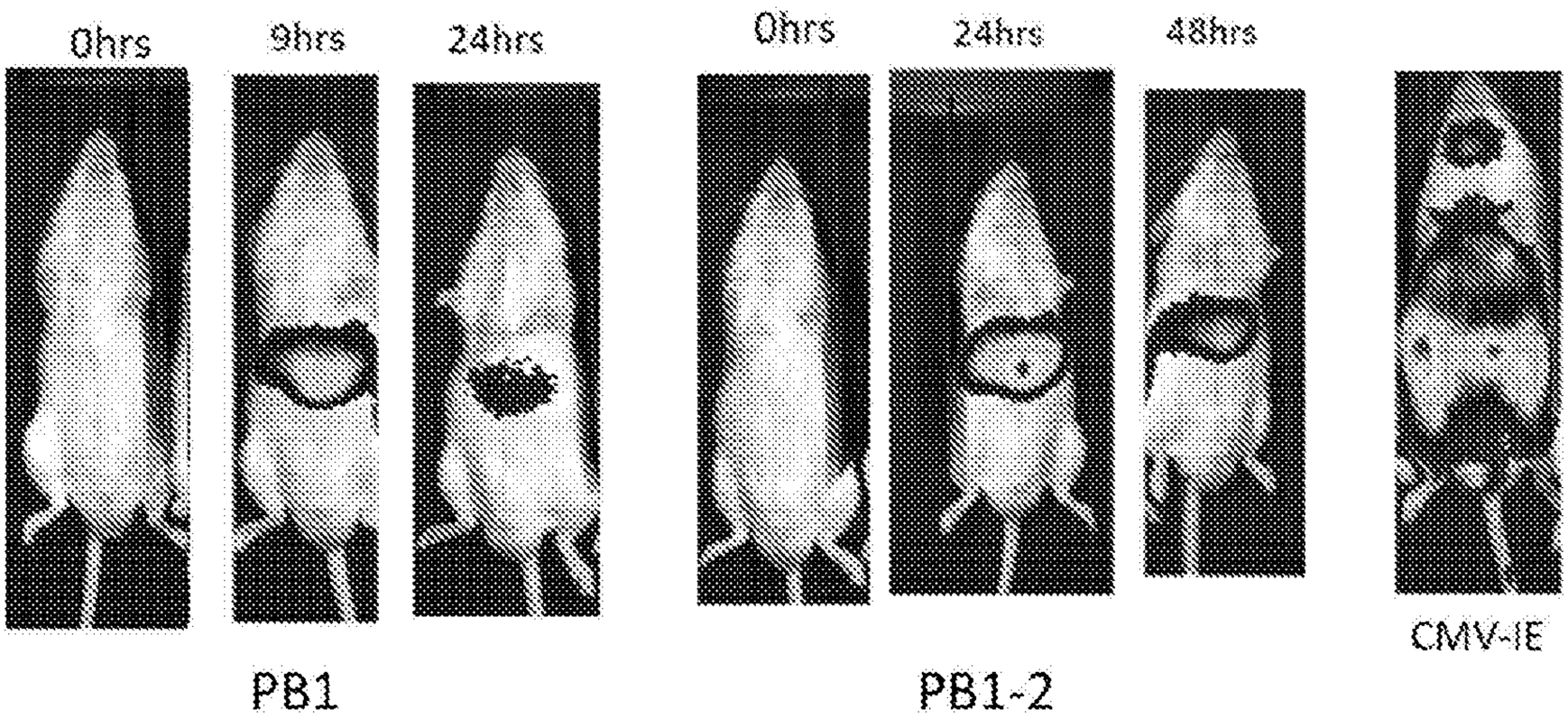

Figure 8A

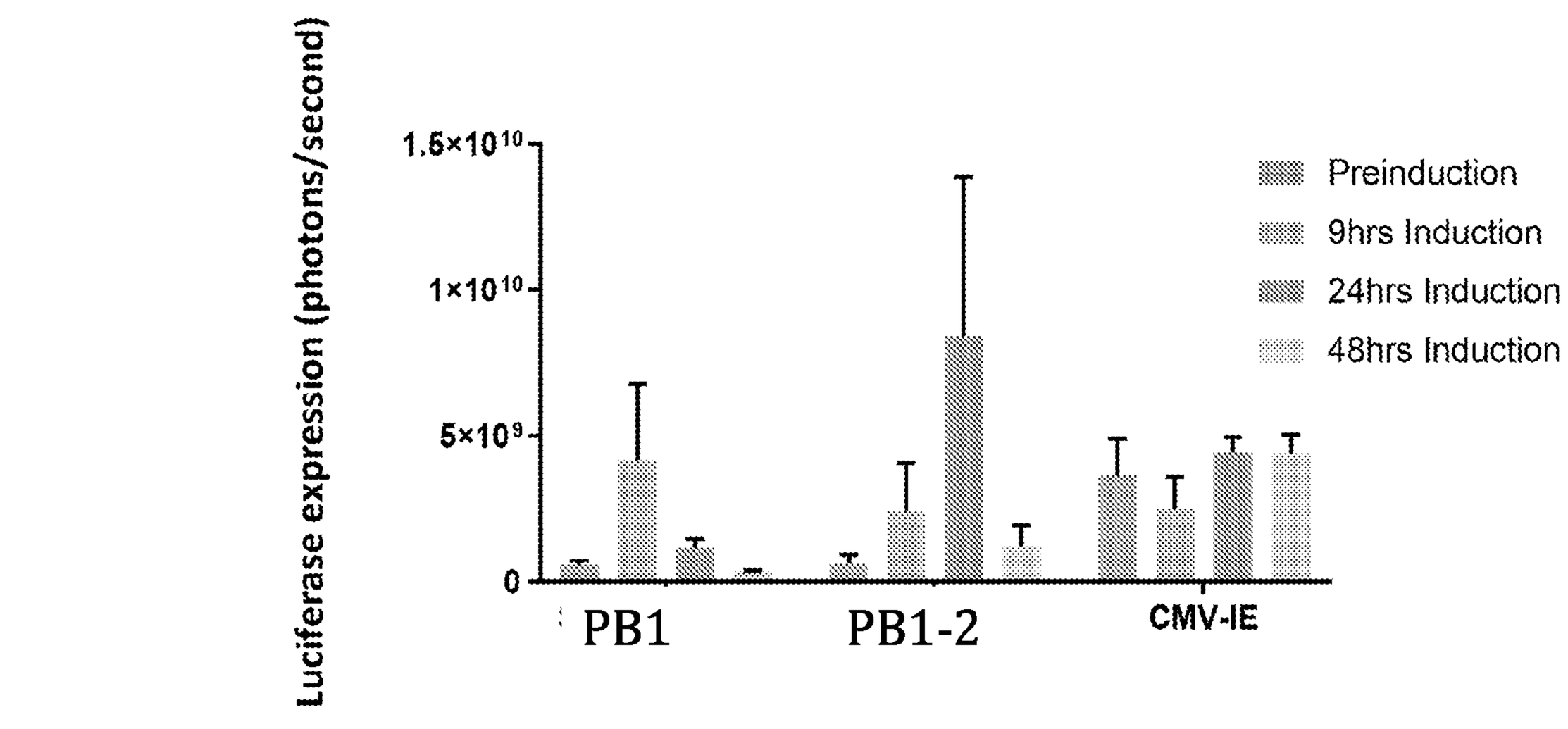

Figure 8B

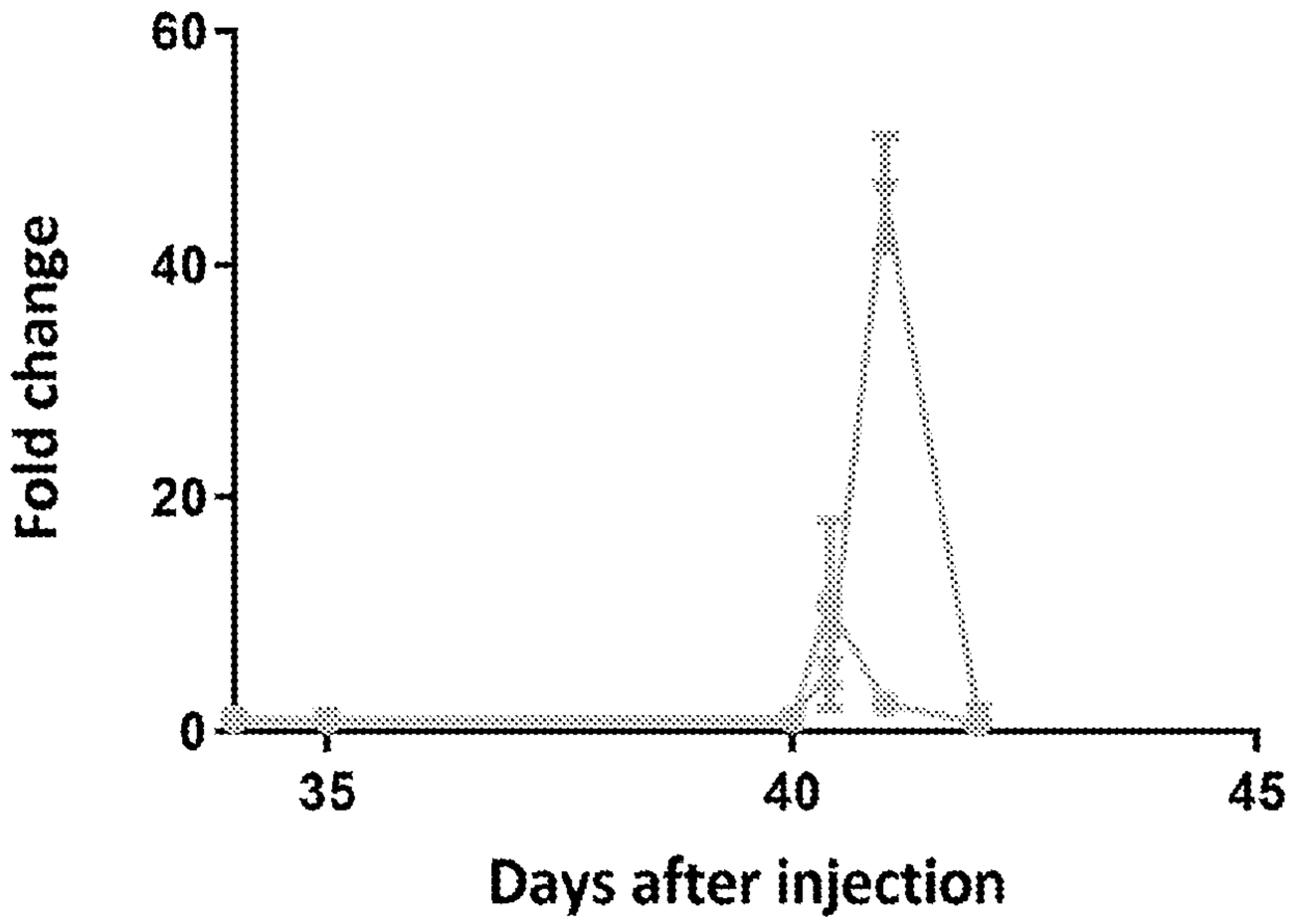

Figure 8C

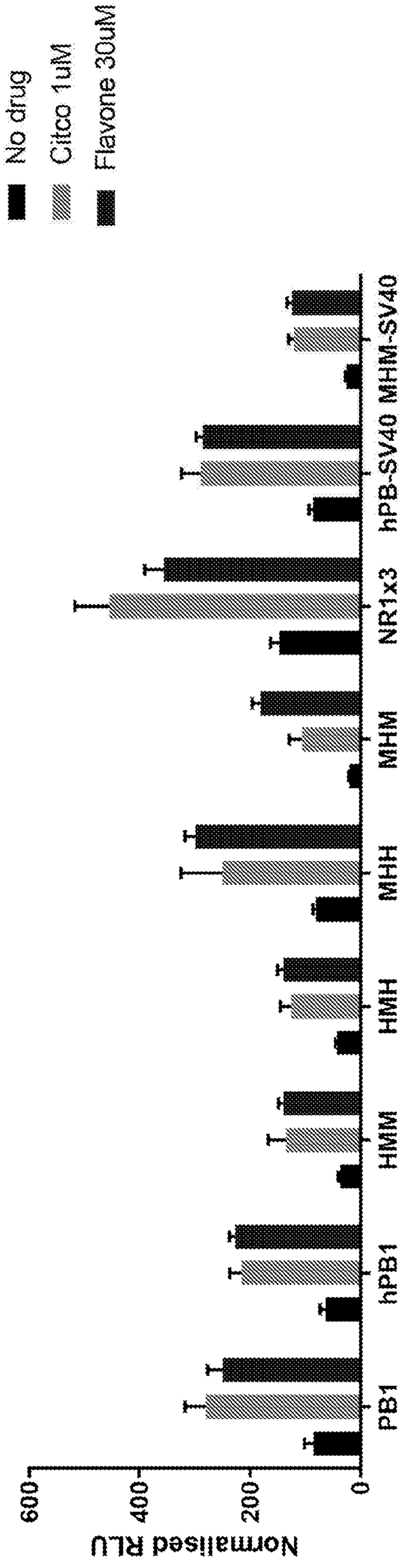
No drug
Citco 1uM
Flavone 30uM
NR1x3
hPB-SV40
MHM-SV40
HMM
HMH
MHH
MHM
PB1
hPB1
0
200
400
600
Normalised RLU

Figure 9

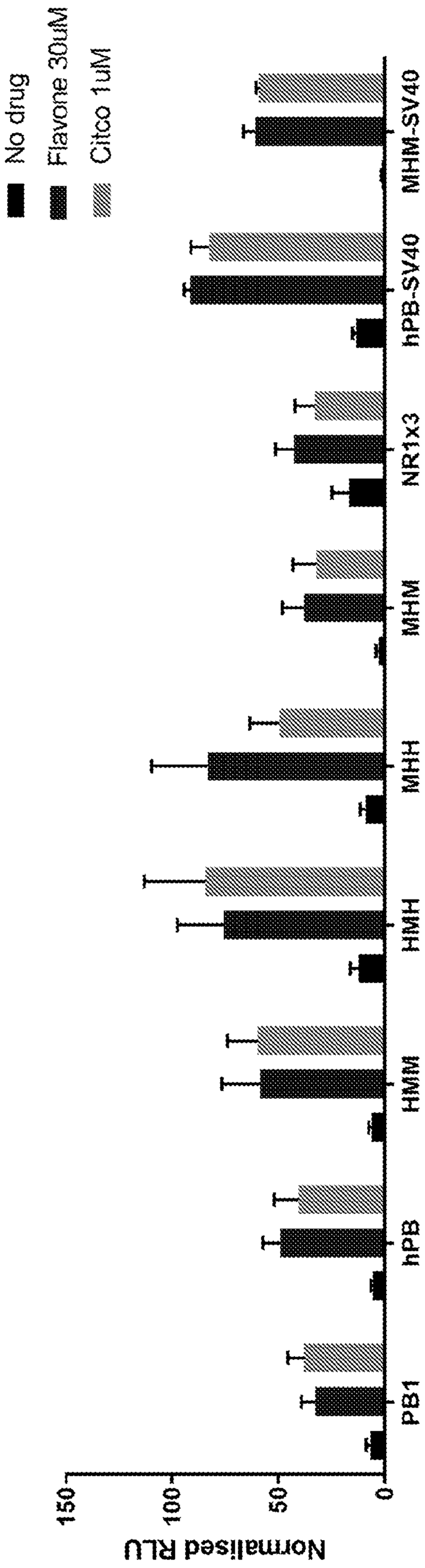
No drug
Flavone 30uM
Citco 1uM
MHM-SV40
hPB-SV40
NR1x3
MHM
MHH
HMH
HMM
hPB
PB1
Normalised RLU
150
100
50
0

Figure 10

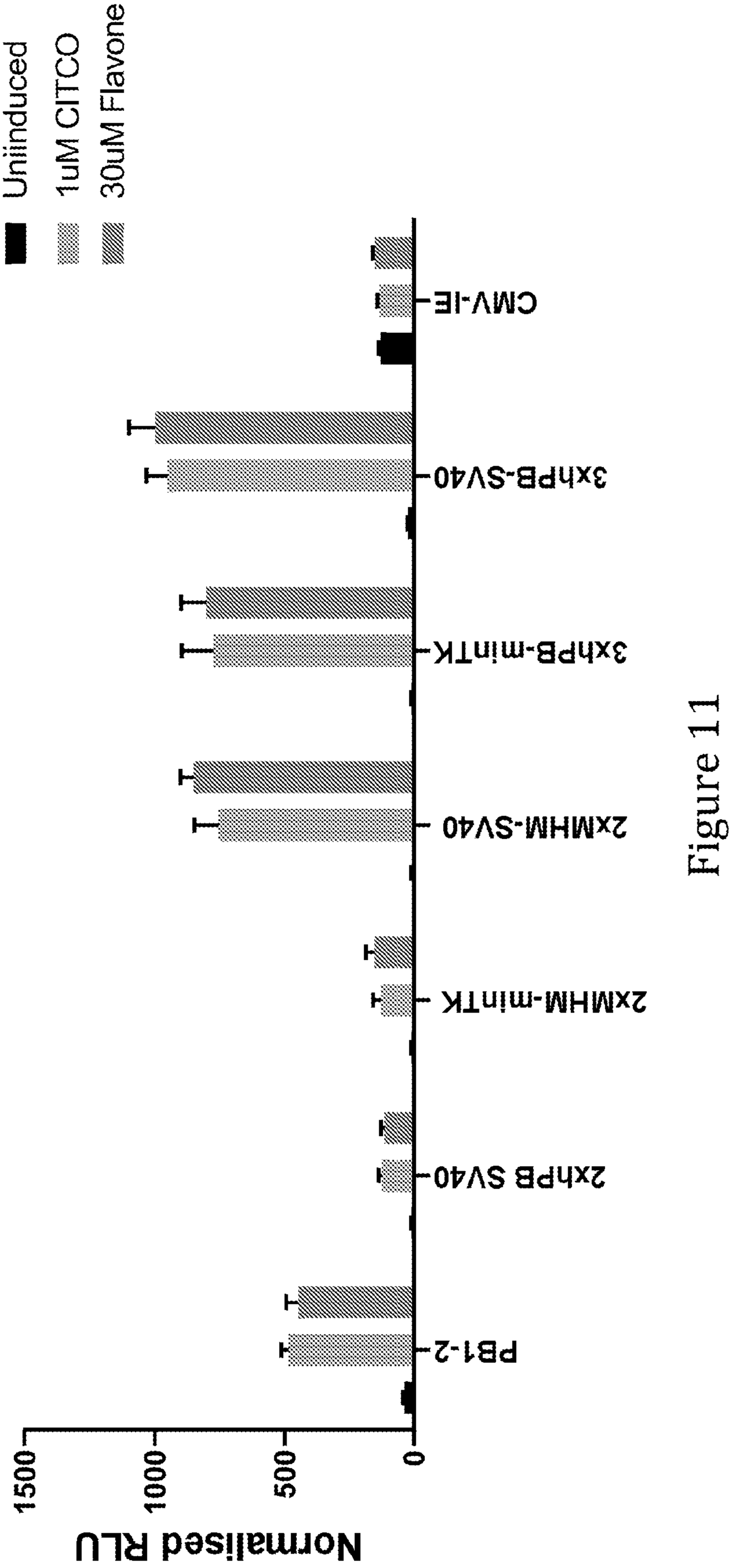
Uniinduced
1uM CITCO
30uM Flavone
CMV-IE
3xhPB-SV40
3xhPB-minTK
2xMHM-SV40
2xMHM-minTK
2xhPB SV40
PB1-2
0
500
1000
1500
Normalised RLU

Figure 11

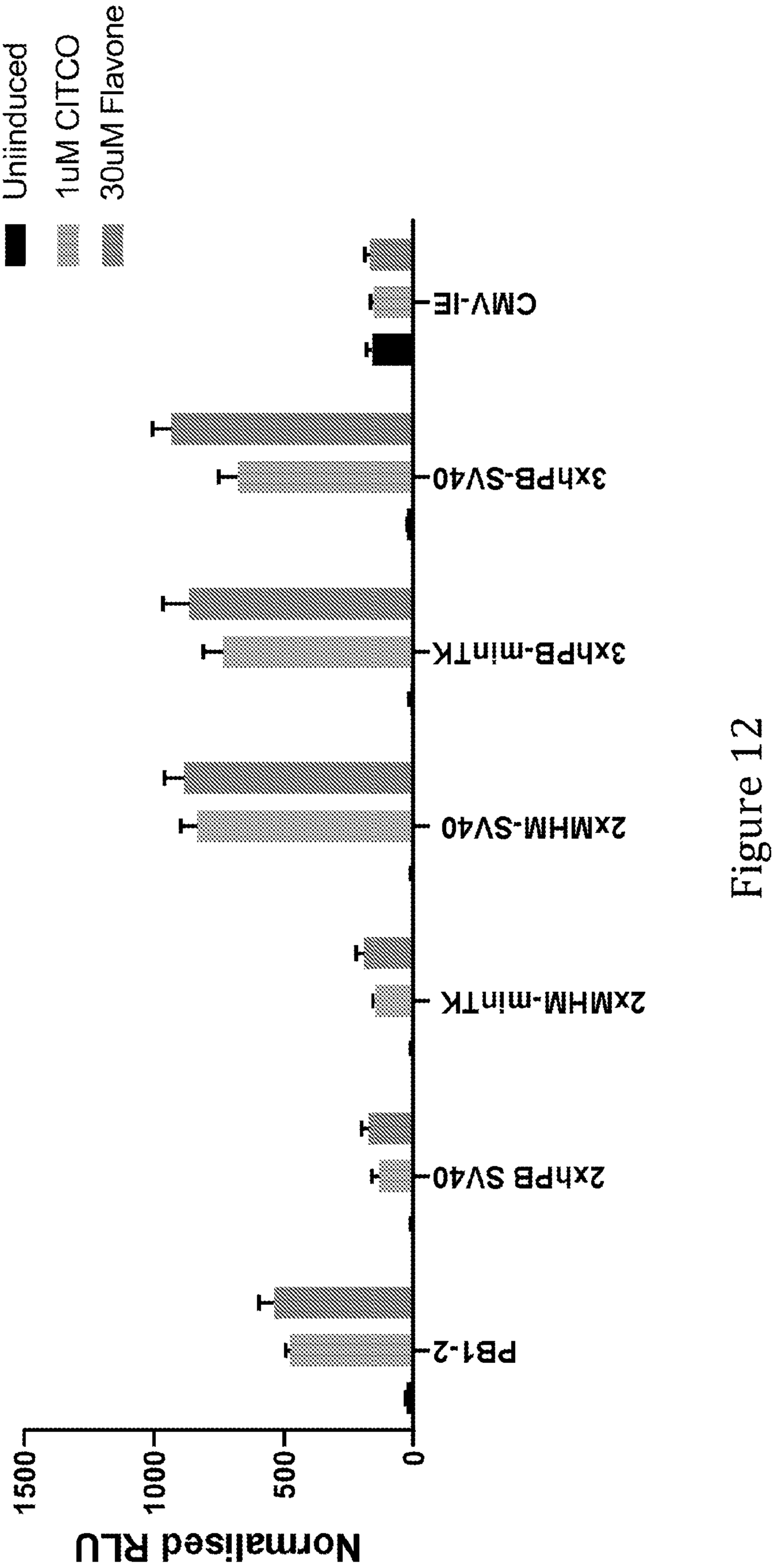
Uniinduced
1uM CITCO
30uM Flavone
CMV-IE
3xhPB-SV40
3xhPB-minTK
2xMHM-SV40
2xMHM-minTK
2xhPB SV40
PB1-2
0
500
1000
1500
Normalised RLU

Figure 12