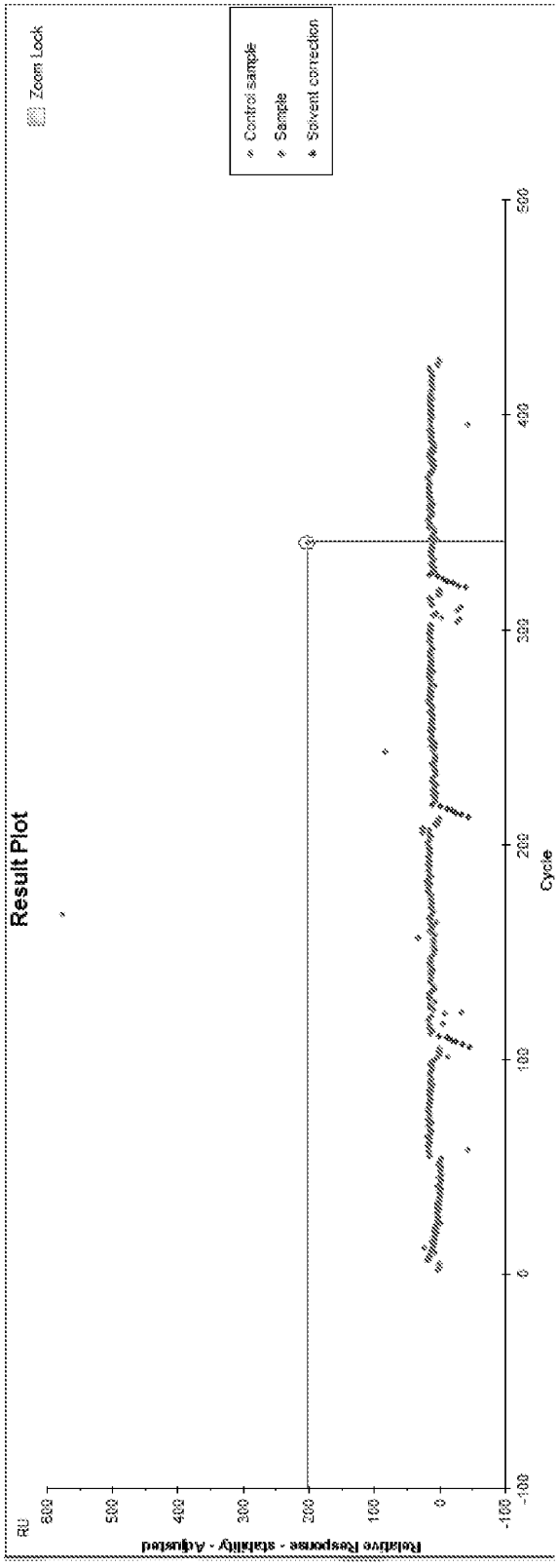

Result Plot
Zoom Lock
Control sample
Sample
Solvent correction
Relative Response - Stability - Adjusted
RU
600
500
400
300
200
100
0
-100
0
100
200
300
400
500
Cycle

FIGURE 1

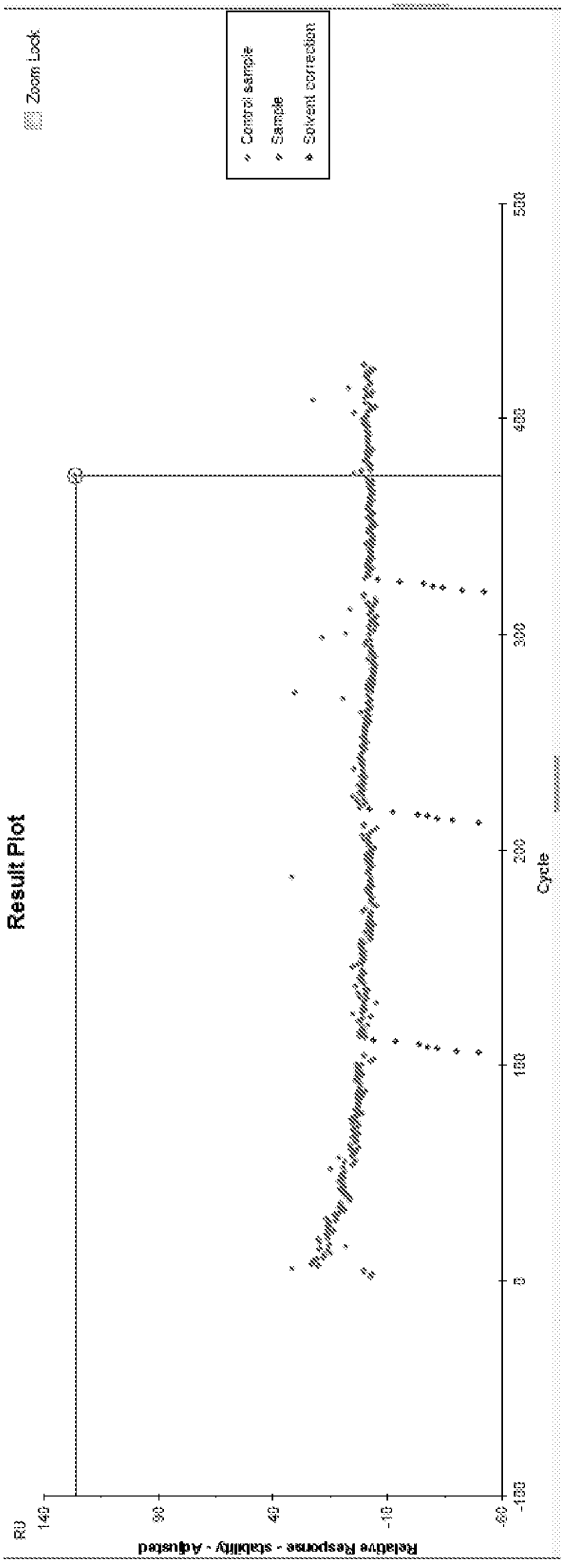

Result Plot
Zoom Lock
Control sample
Sample
Solvent correction
Relative Response - stability - Adjusted
RU
140
90
40
-10
-60
-100
Cycle
500
400
300
200
100
0

FIGURE 2

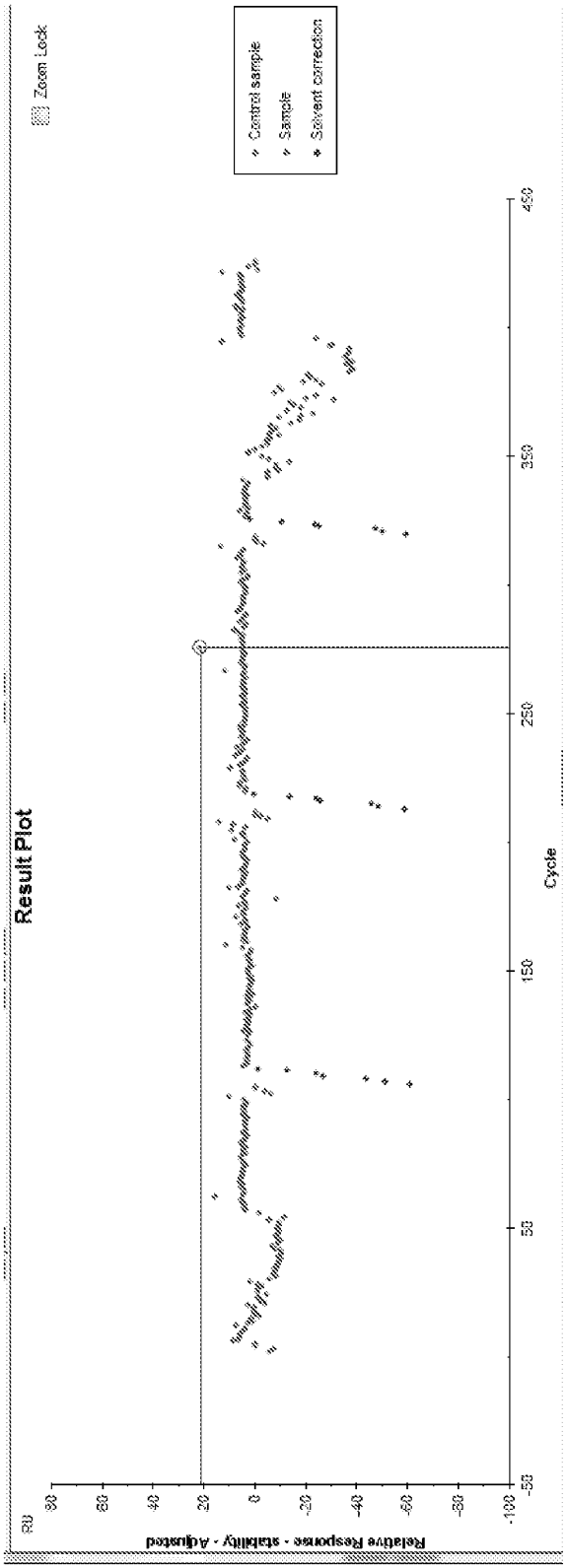

Result Plot
Zoom Lock
Control sample
Sample
Solvent correction
Relative Response - stability - Adjusted
RU
Cycle
90
60
40
20
0
-20
-40
-60
-80
-100
-50
50
150
250
350
450

FIGURE 3

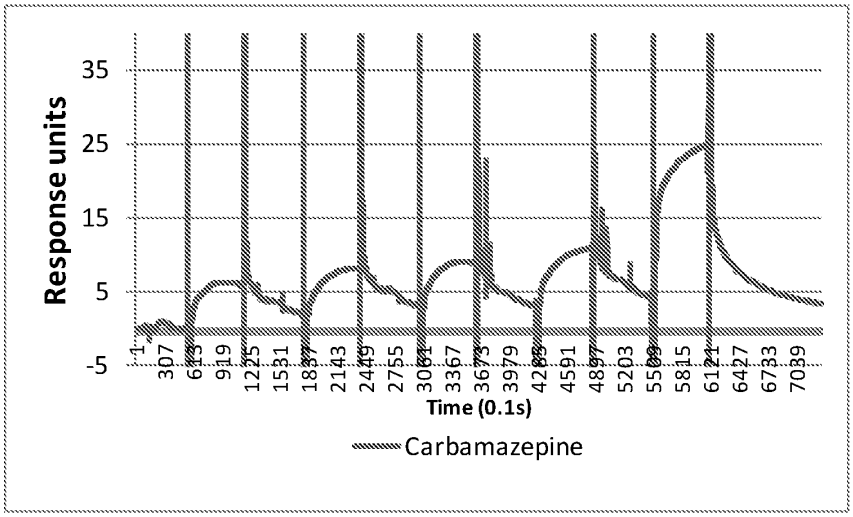


FIGURE 4

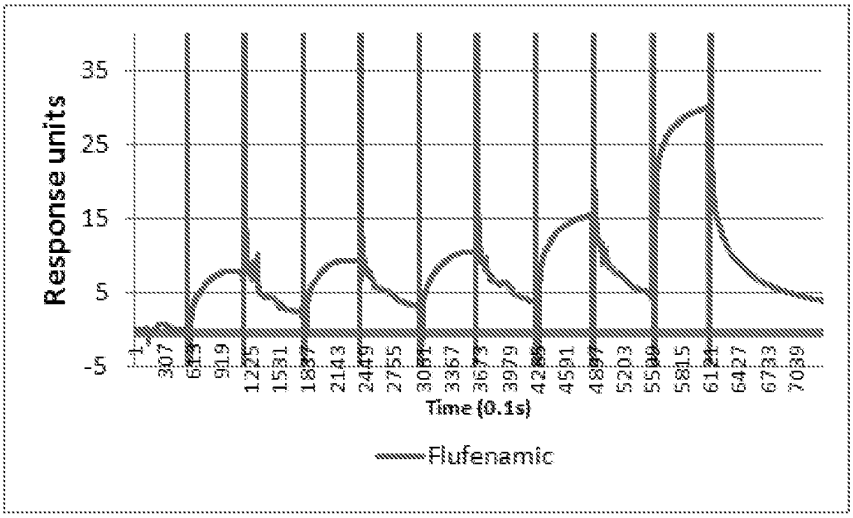


FIGURE 5

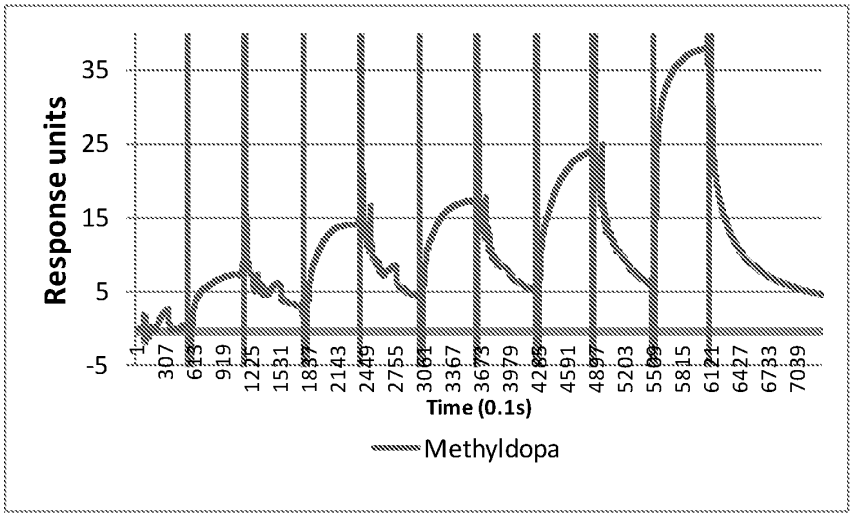

Response units
35
25
15
5
-5
1
307
613
919
1225
1531
1837
2143
2449
2755
3061
3367
3673
3979
4285
4591
4897
5203
5509
5815
6121
6427
6733
7039
Time (0.1s)
Methyldopa

FIGURE 6

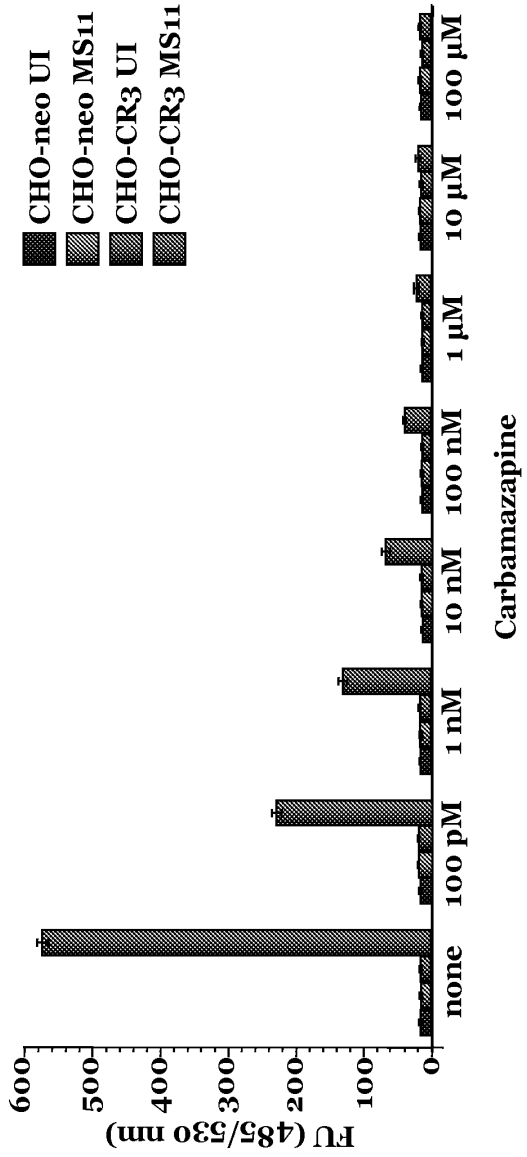

CHO-neo UI
CHO-neo MS11
CHO-CR3 UI
CHO-CR3 MS11
FU (485/530 nm)
0
100
200
300
400
500
600
none
100 pM
1 nM
10 nM
100 nM
1 µM
10 µM
100 µM
Carbamazapine

FIGURE 7

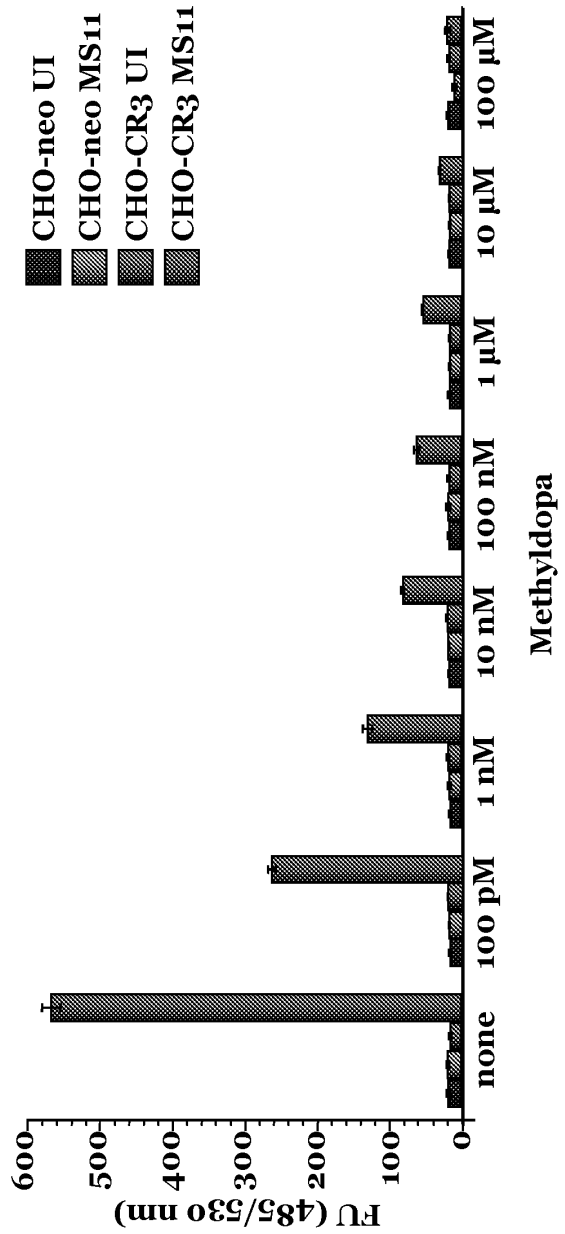

CHO-neo UI
CHO-neo MS11
CHO-CR3 UI
CHO-CR3 MS11
FU (485/530 nm)
0
100
200
300
400
500
600
none
100 pM
1 nM
10 nM
100 nM
1 µM
10 µM
100 µM
Methyldopa

FIGURE 8

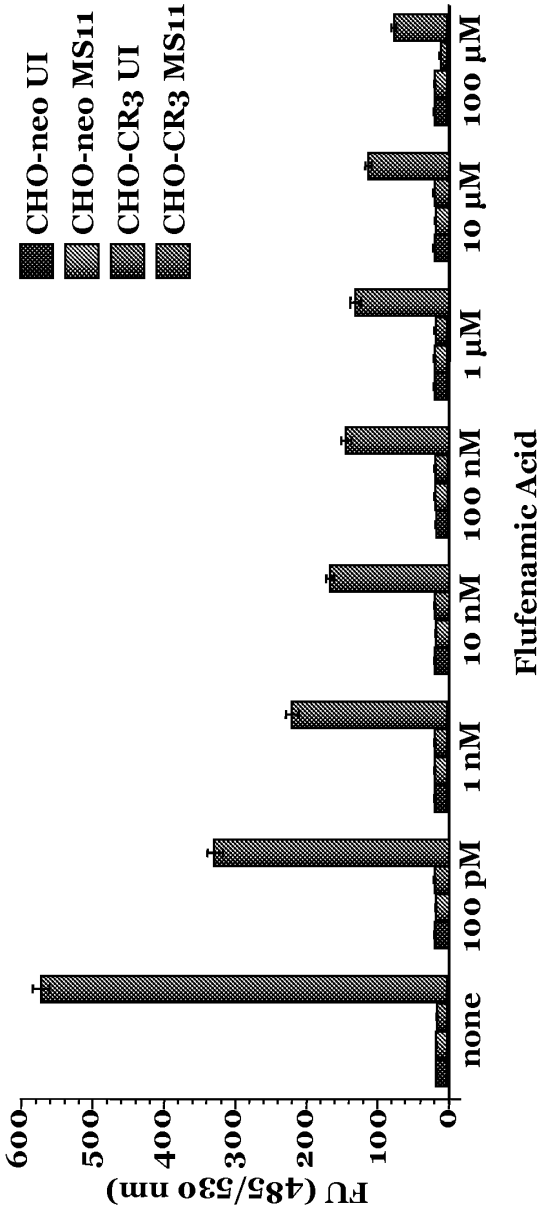

CHO-neo UI
CHO-neo MS11
CHO-CR3 UI
CHO-CR3 MS11
FU (485/530 nm)
0
100
200
300
400
500
600
none
100 pM
1 nM
10 nM
100 nM
1 µM
10 µM
100 µM
Flufenamic Acid

FIGURE 9

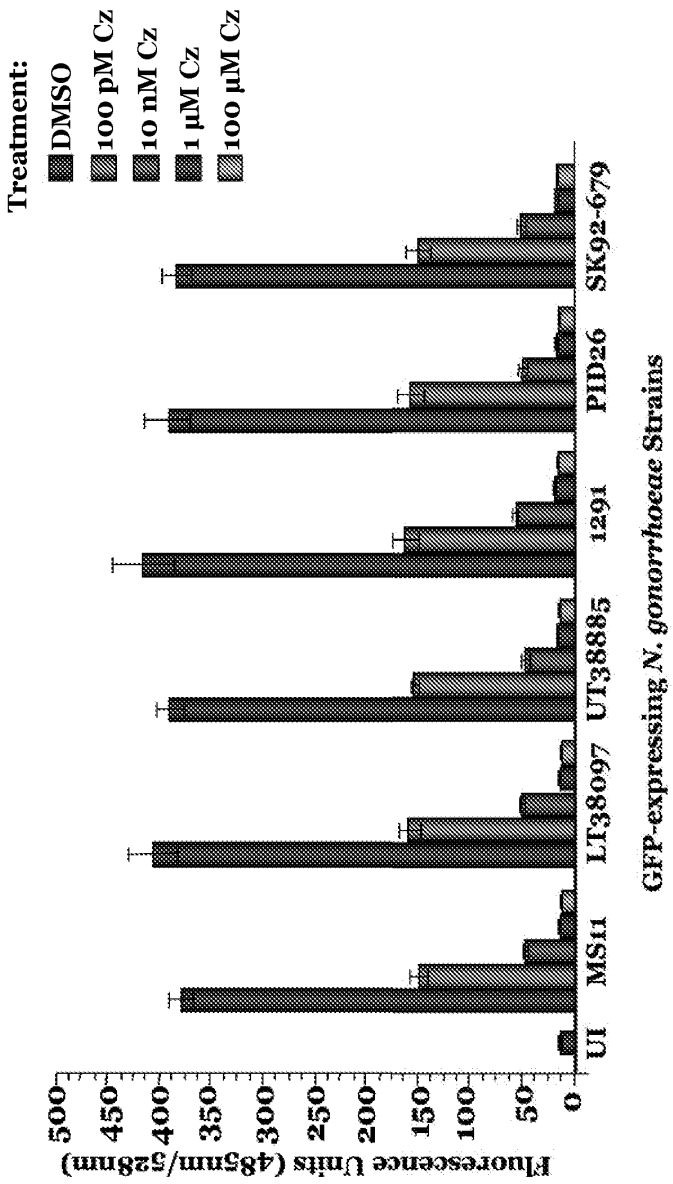

Treatment:
DMSO
100 pM Cz
10 nM Cz
1 µM Cz
100 µM Cz
Fluorescence Units (485nm/528nm)
0
50
100
150
200
250
300
350
400
450
500
UI
MS11
LT38097
UT38885
1291
PID26
SK92-679
GFP-expressing N. gonorrhoeae Strains

FIGURE 10

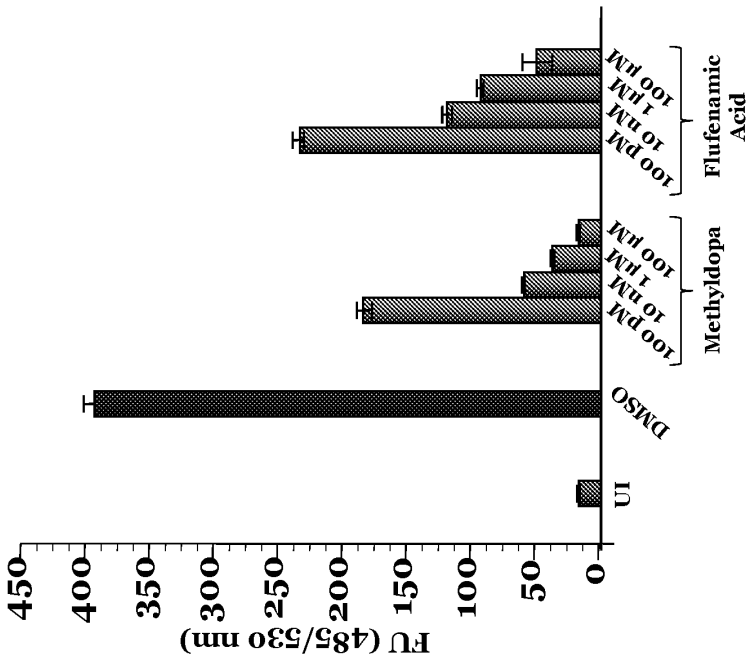

FU (485/530 nm)
0
50
100
150
200
250
300
350
400
450
UI
DMSO
100 pM
10 nM
1 μM
100 μM
Methyldopa
100 pM
10 nM
1 μM
100 μM
Flufenamic Acid

FIGURE 11

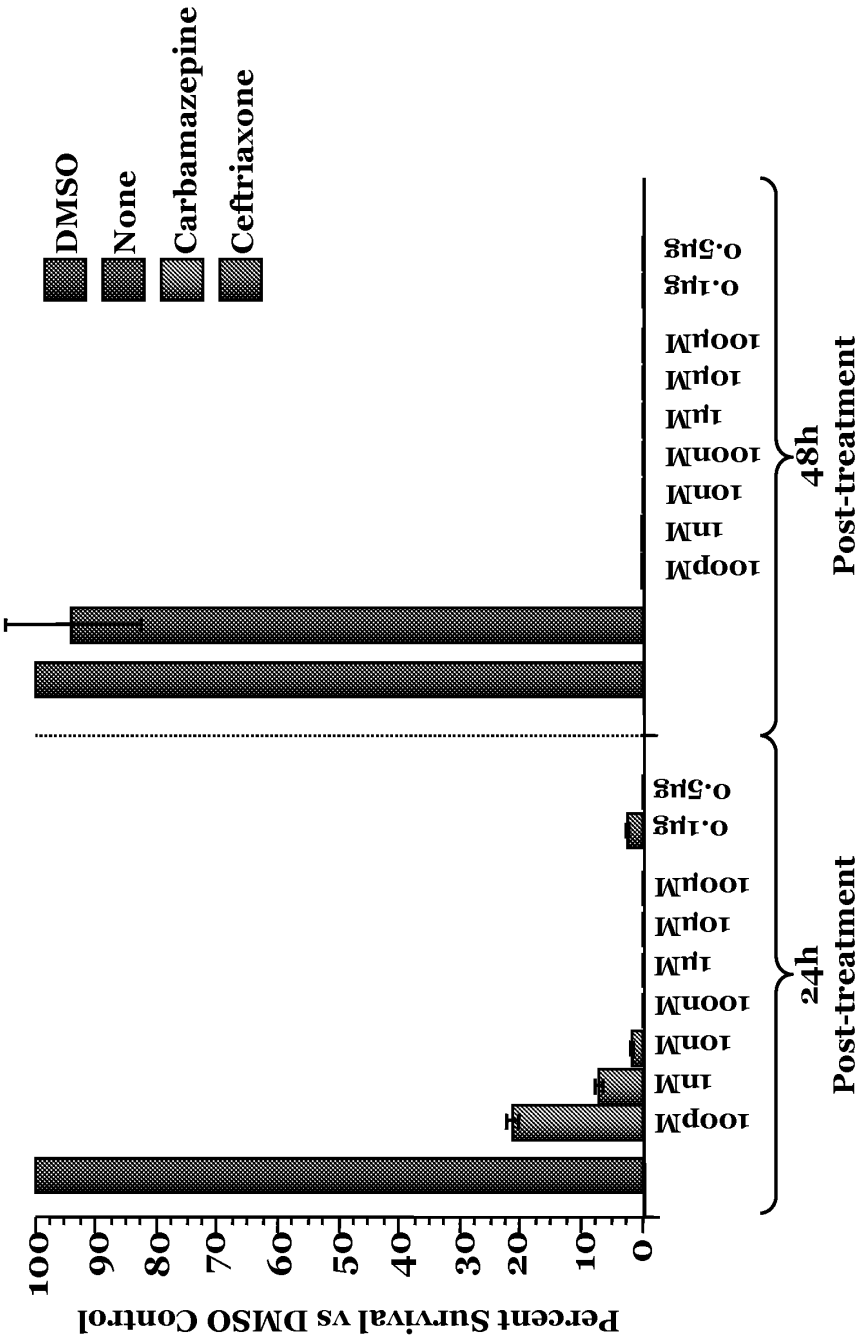

DMSO
None
Carbamazepine
Ceftriaxone
Percent Survival vs DMSO Control
100
90
80
70
60
50
40
30
20
10
0
100pM
1nM
10nM
100nM
1μM
10μM
100μM
0.1μg
0.5μg
24h
Post-treatment
100pM
1nM
10nM
100nM
1μM
10μM
100μM
0.1μg
0.5μg
48h
Post-treatment

FIGURE 12

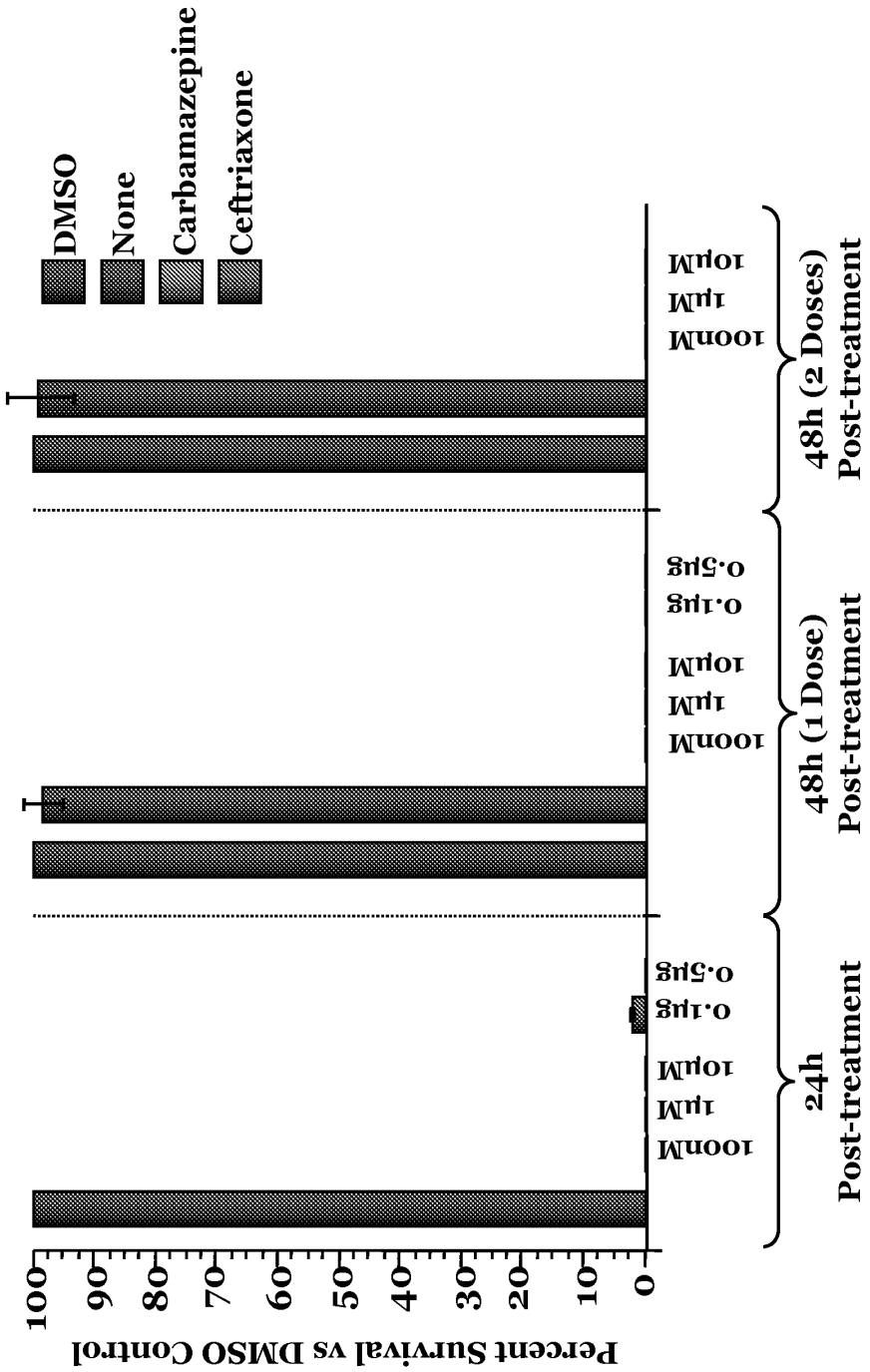

DMSO
None
Carbamazepine
Ceftriaxone
Percent Survival vs DMSO Control
0
10
20
30
40
50
60
70
80
90
100
100nM
1μM
10μM
0.1μg
0.5μg
24h
Post-treatment
48h (1 Dose)
Post-treatment
48h (2 Doses)
Post-treatment

FIGURE 13

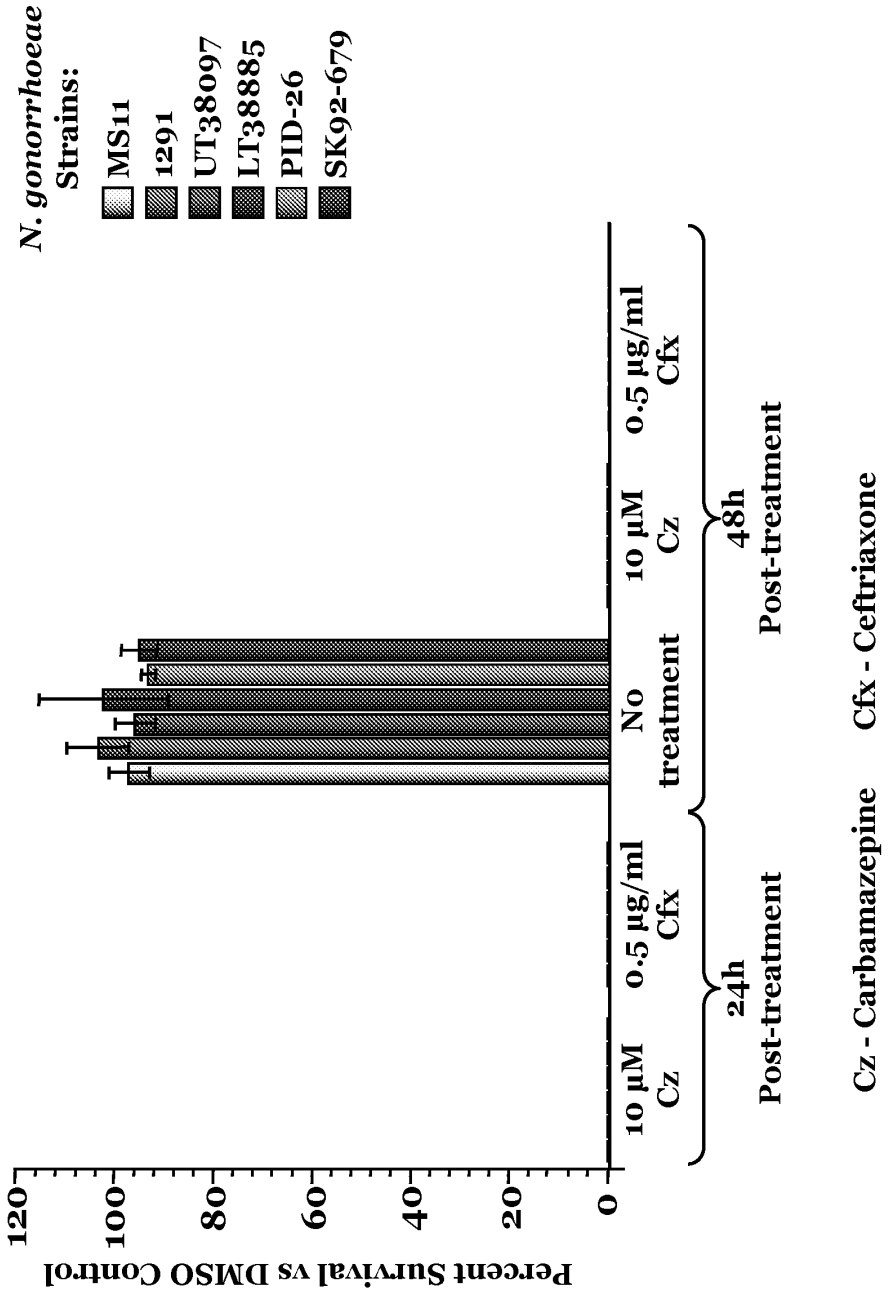

N. gonorrhoeae
Strains:
MS11
1291
UT38097
LT38885
PID-26
SK92-679
Percent Survival vs DMSO Control
120
100
80
60
40
20
0
10 µM Cz
0.5 µg/ml Cfx
No treatment
10 µM Cz
0.5 µg/ml Cfx
24h Post-treatment
48h Post-treatment
Cz - Carbamazepine
Cfx - Ceftriaxone

FIGURE 14

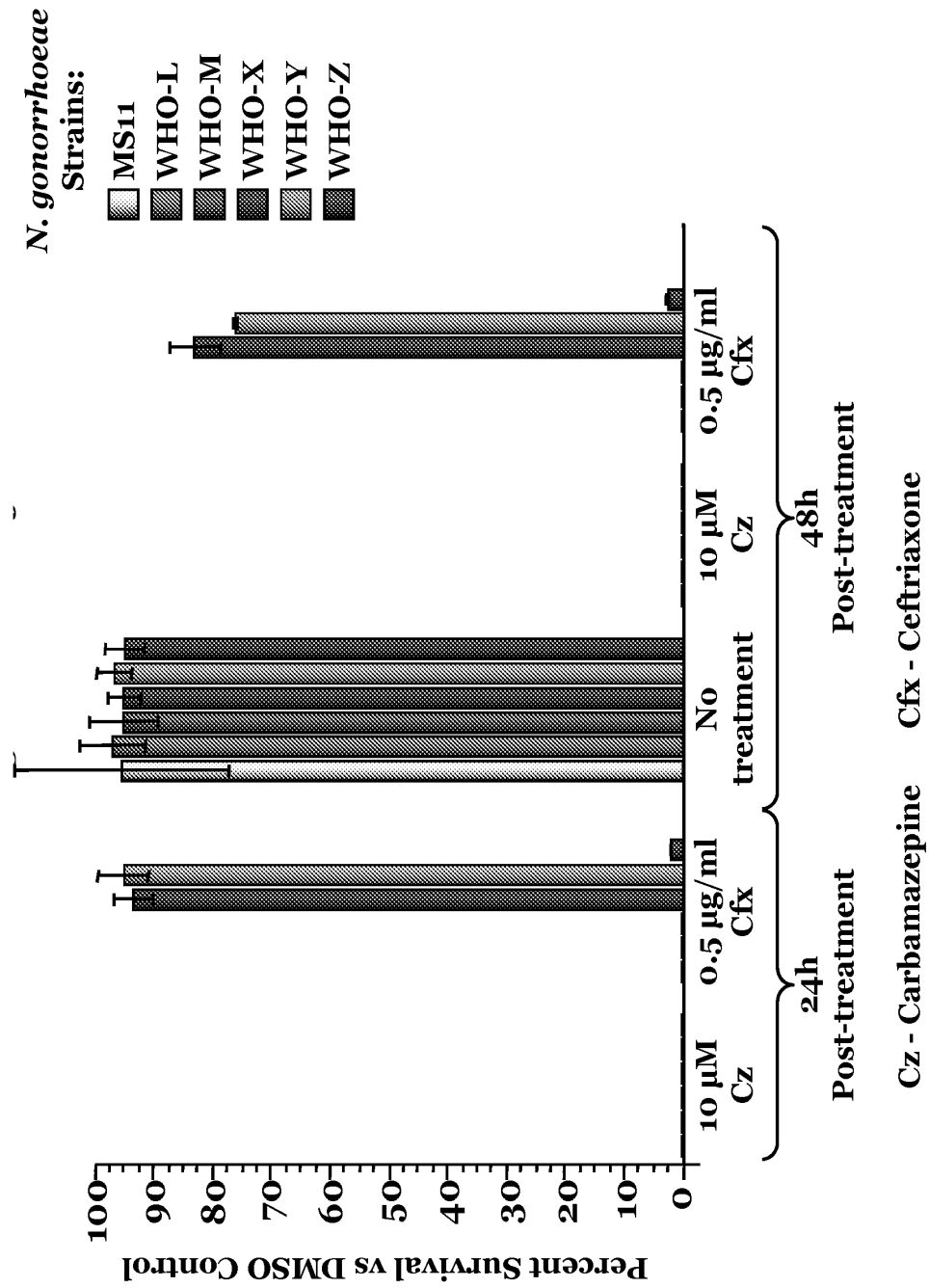

N. gonorrhoeae Strains:
MS11
WHO-L
WHO-M
WHO-X
WHO-Y
WHO-Z
Percent Survival vs DMSO Control
0
10
20
30
40
50
60
70
80
90
100
10 µM Cz
0.5 µg/ml Cfx
No treatment
10 µM Cz
0.5 µg/ml Cfx
24h Post-treatment
48h Post-treatment
Cz - Carbamazepine
Cfx - Ceftriaxone

FIGURE 15

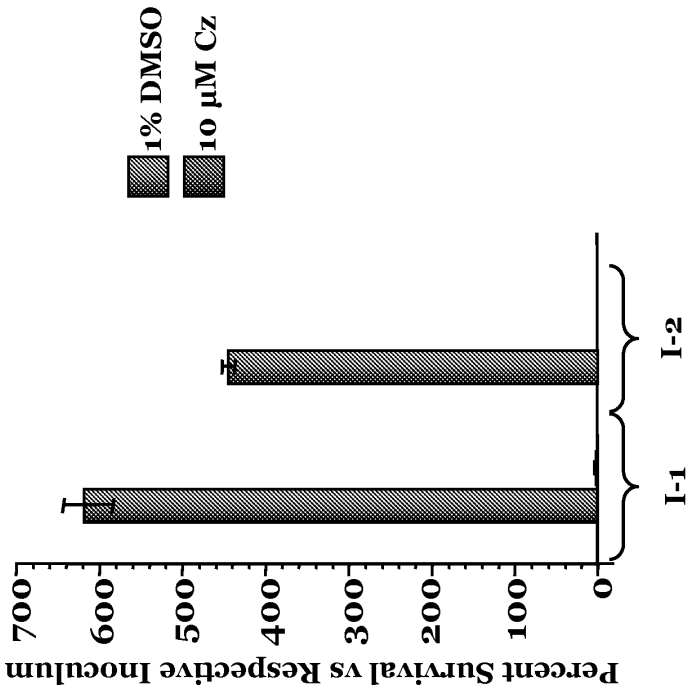

1% DMSO
10 µM Cz
Percent Survival vs Respective Inoculum
700
600
500
400
300
200
100
0
I-1
I-2

FIGURE 16

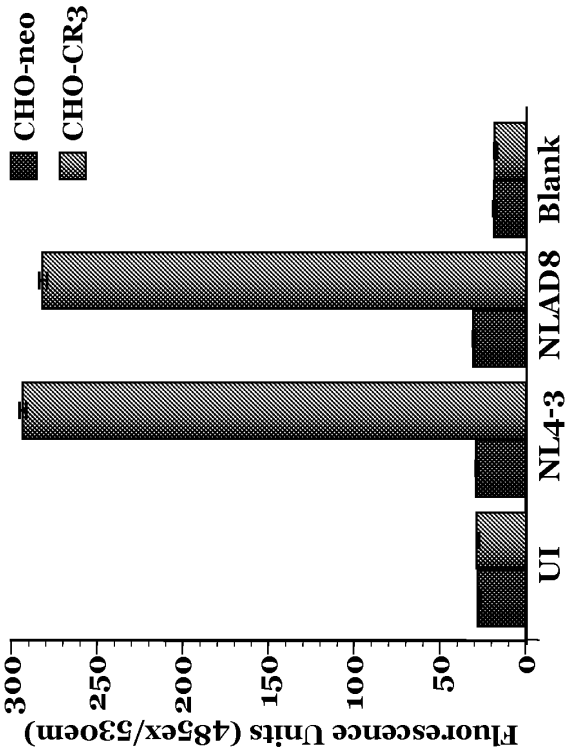

CHO-neo
CHO-CR3
Fluorescence Units (485ex/530em)
300
250
200
150
100
50
0
UI
NL4-3
NLAD8
Blank

FIGURE 17

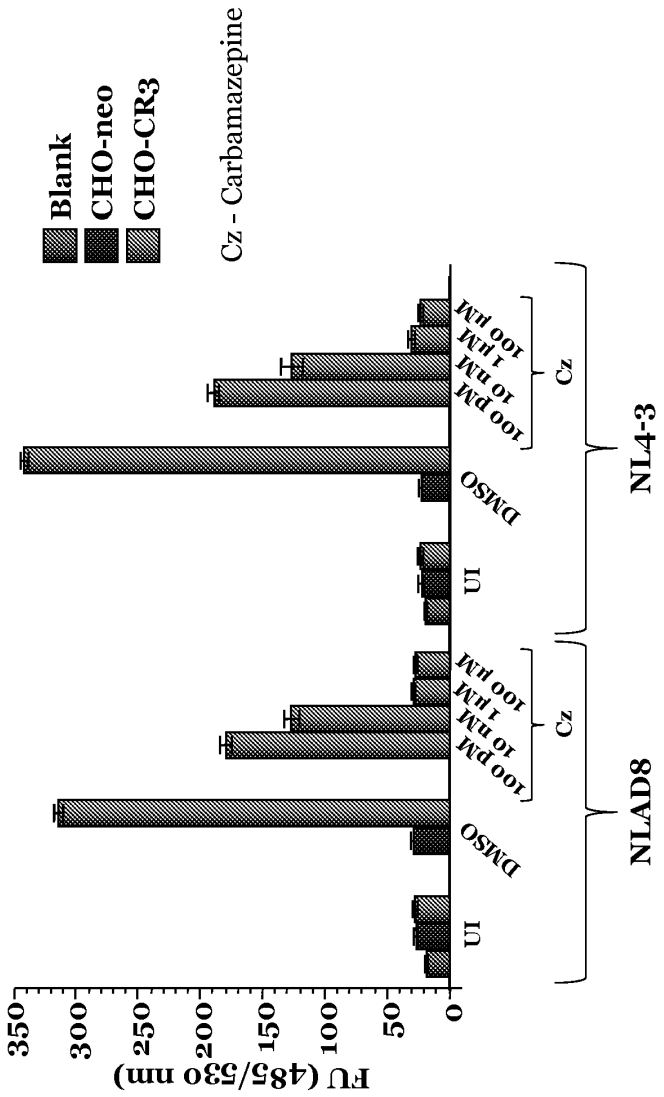

Blank
CHO-neo
CHO-CR3
Cz - Carbamazepine
FU (485/530 nm)
0
50
100
150
200
250
300
350
UI
DMSO
100 pM
10 nM
1 μM
100 μM
Cz
NLAD8
NL4-3

FIGURE 18

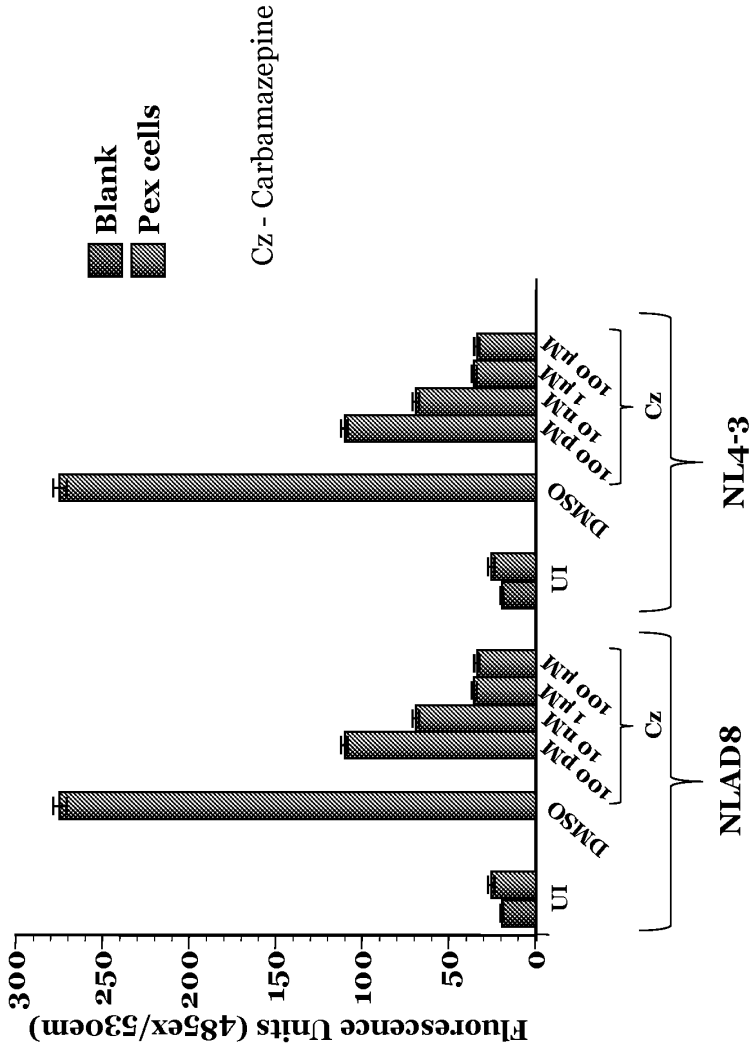

Blank
Pex cells
Cz - Carbamazepine
Fluorescence Units (485ex/530em)
300
250
200
150
100
50
0
UI
DMSO
100 pM
10 nM
1 uM
100 uM
Cz
NLAD8
NL4-3

FIGURE 19

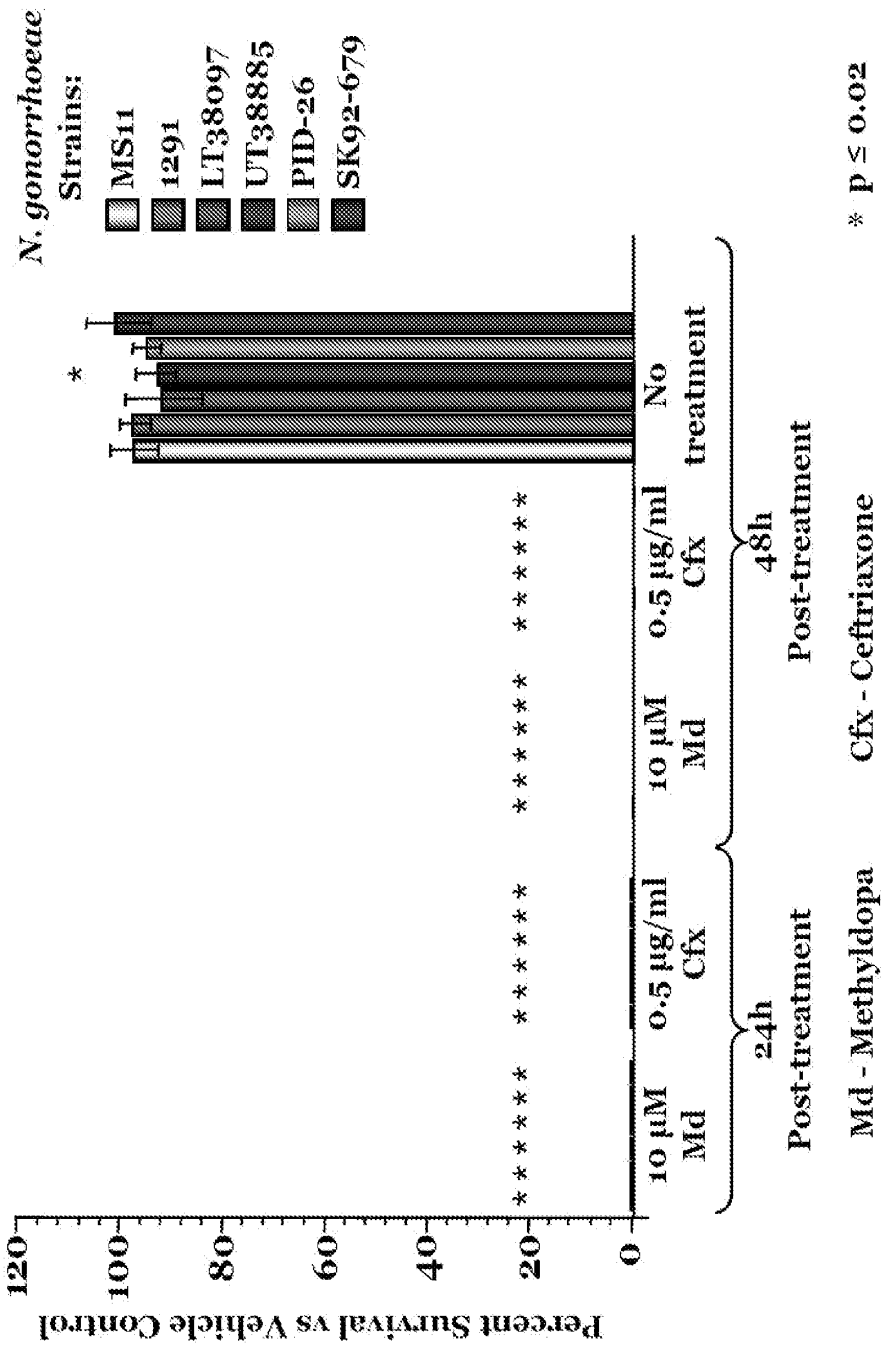

N. gonorrhoeae
Strains:
MS11
1291
LT38097
UT38885
PID-26
SK92-679
Percent Survival vs Vehicle Control
120
100
80
60
40
20
0
10 µM Md
0.5 µg/ml Cfx
10 µM Md
0.5 µg/ml Cfx
No treatment
24h Post-treatment
48h Post-treatment
Md - Methyldopa
Cfx - Ceftriaxone
* p ≤ 0.02

FIGURE 20

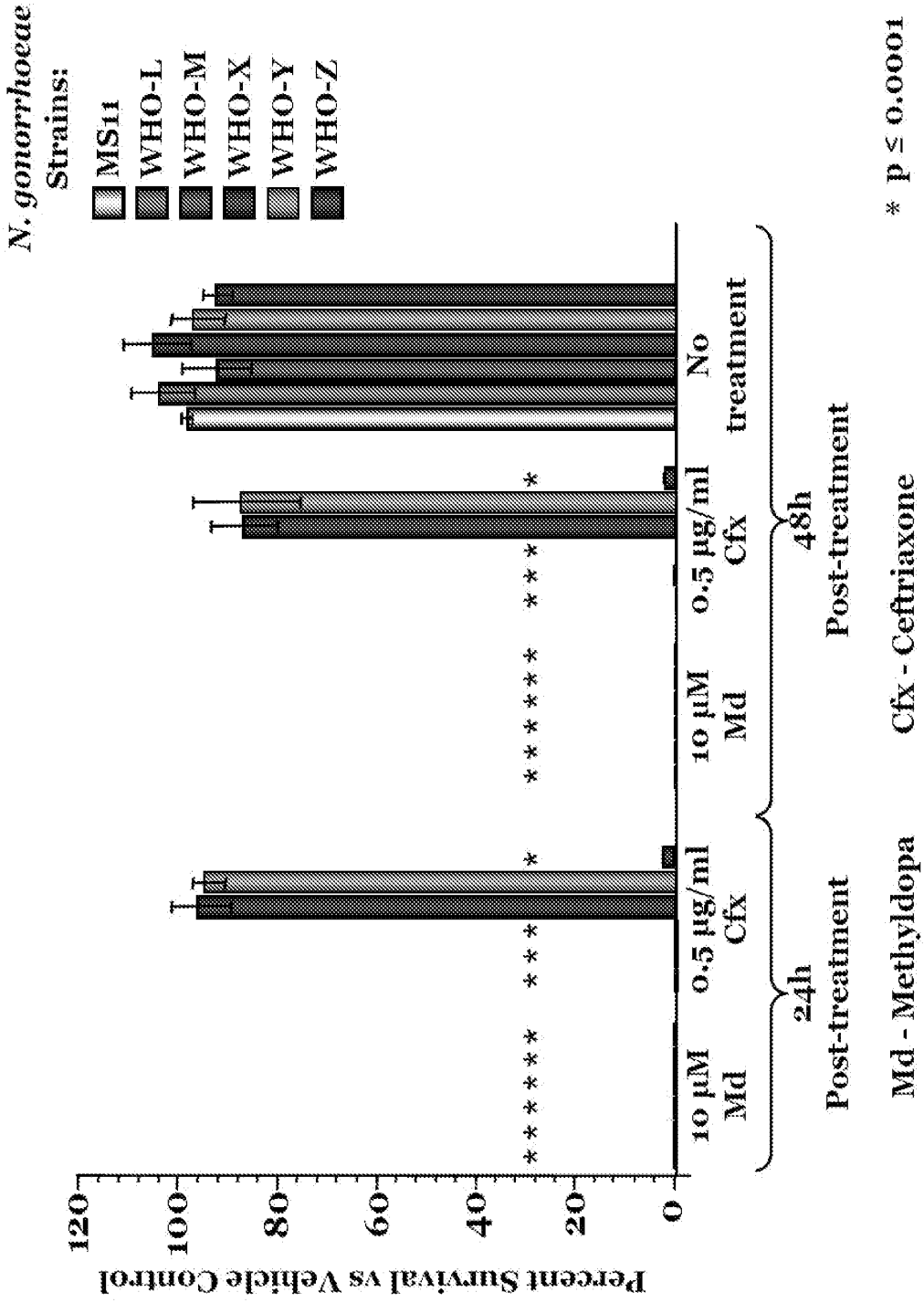

N. gonorrhoeae Strains:
MS11
WHO-L
WHO-M
WHO-X
WHO-Y
WHO-Z
Percent Survival vs Vehicle Control
120
100
80
60
40
20
0
10 µM Md
0.5 µg/ml Cfx
10 µM Md
0.5 µg/ml Cfx
No treatment
24h Post-treatment
48h Post-treatment
Md - Methyldopa
Cfx - Ceftriaxone
* p ≤ 0.0001

FIGURE 21

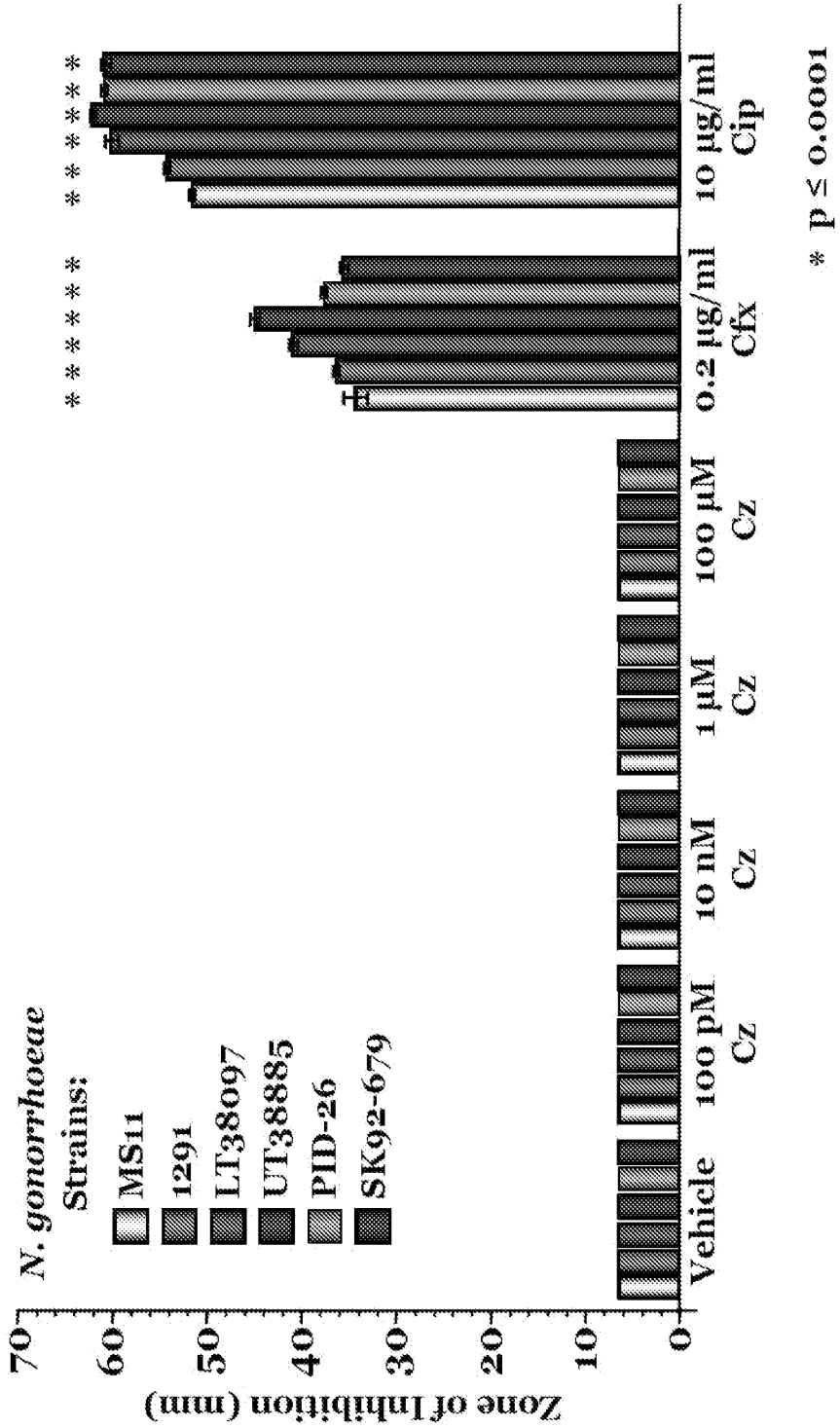

Zone of Inhibition (mm)
0
10
20
30
40
50
60
70
N. gonorrhoeae
Strains:
MS11
1291
LT38097
UT38885
PID-26
SK92-679
Vehicle
100 pM Cz
10 nM Cz
1 µM Cz
100 µM Cz
0.2 µg/ml Cfx
10 µg/ml Cip
* * * * * * *
* * * * * * *
* p ≤ 0.0001

FIGURE 22

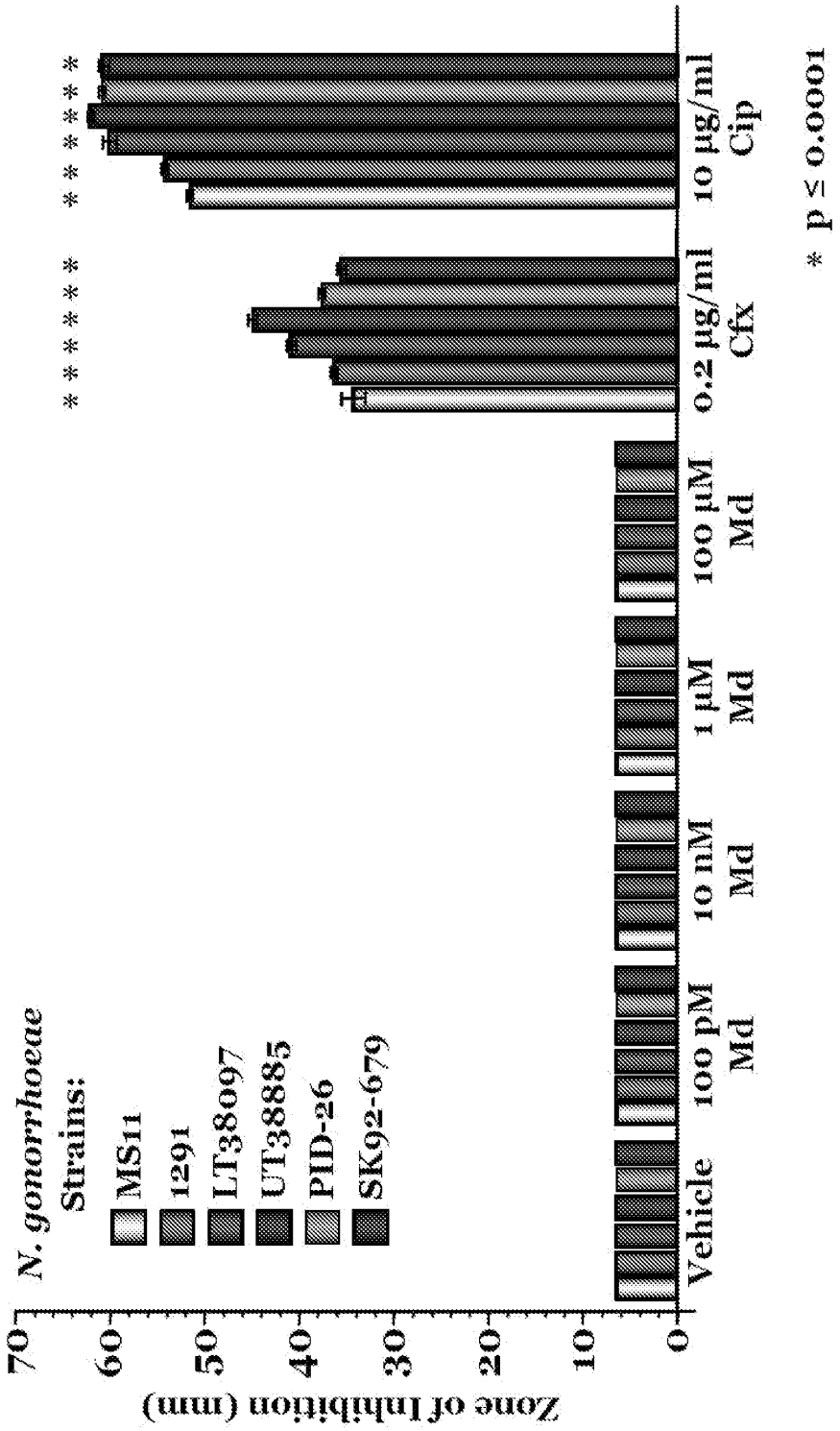

Zone of Inhibition (mm)
0
10
20
30
40
50
60
70
N. gonorrhoeae
Strains:
MS11
1291
LT38097
UT38885
PID-26
SK92-679
Vehicle
100 pM
10 nM
1 µM
100 µM
0.2 µg/ml
10 µg/ml
Md
Md
Md
Md
Cfx
Cip
* * * * * *
* * * * * *
* p ≤ 0.0001

FIGURE 23

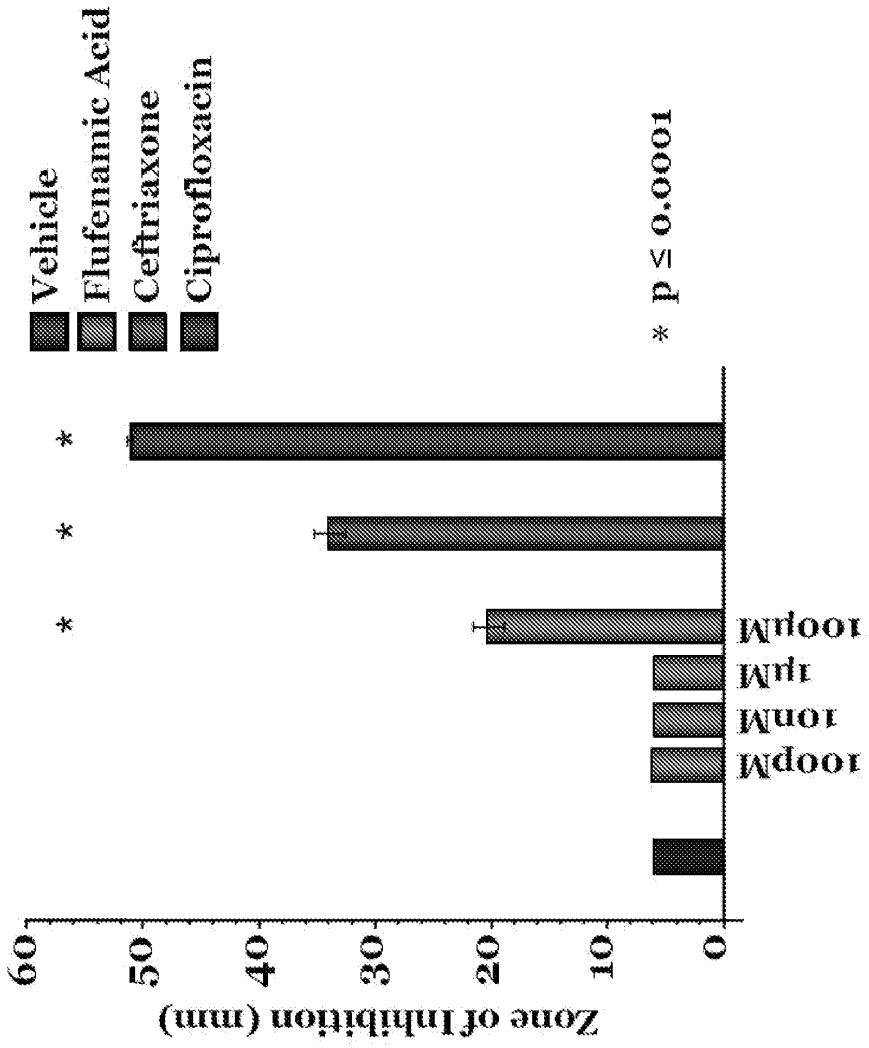

Vehicle
Flufenamic Acid
Ceftriaxone
Ciprofloxacin
* p ≤ 0.0001
*
*
*
100μM
1μM
10nM
100pM
0
10
20
30
40
50
60
Zone of Inhibition (mm)

FIGURE 24