Figure 1:

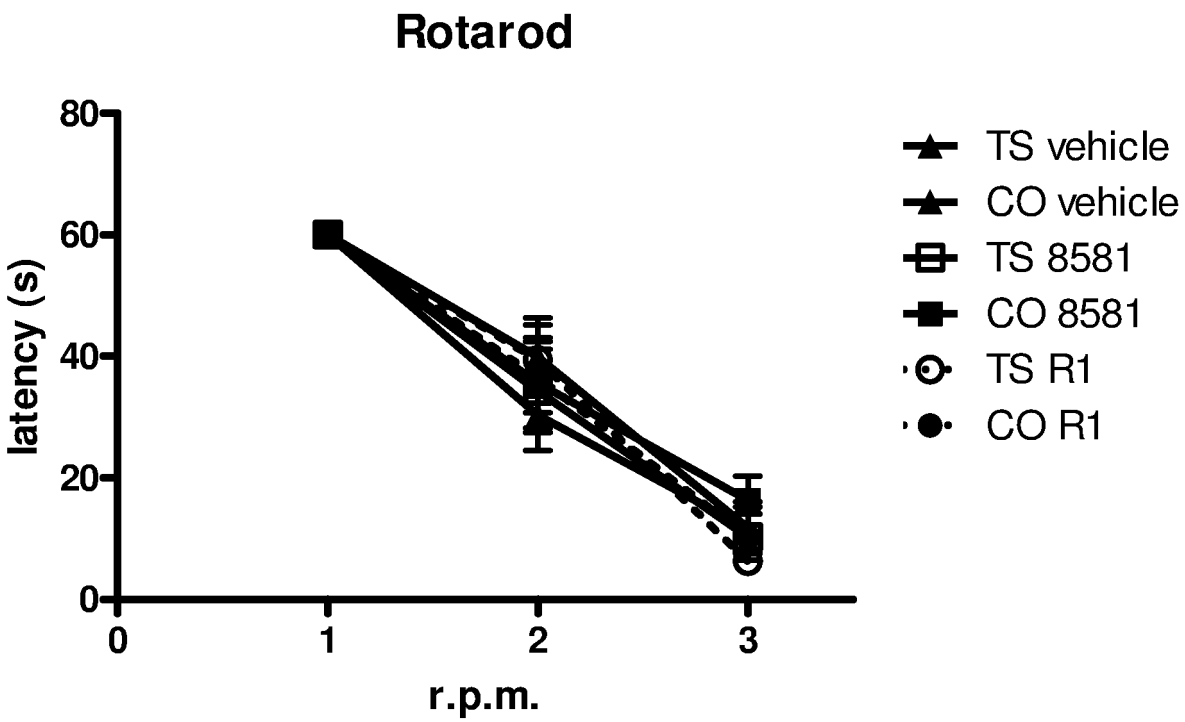

Rotarod
latency (s)
80
60
40
20
0
0
1
2
3
r.p.m.
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 2:

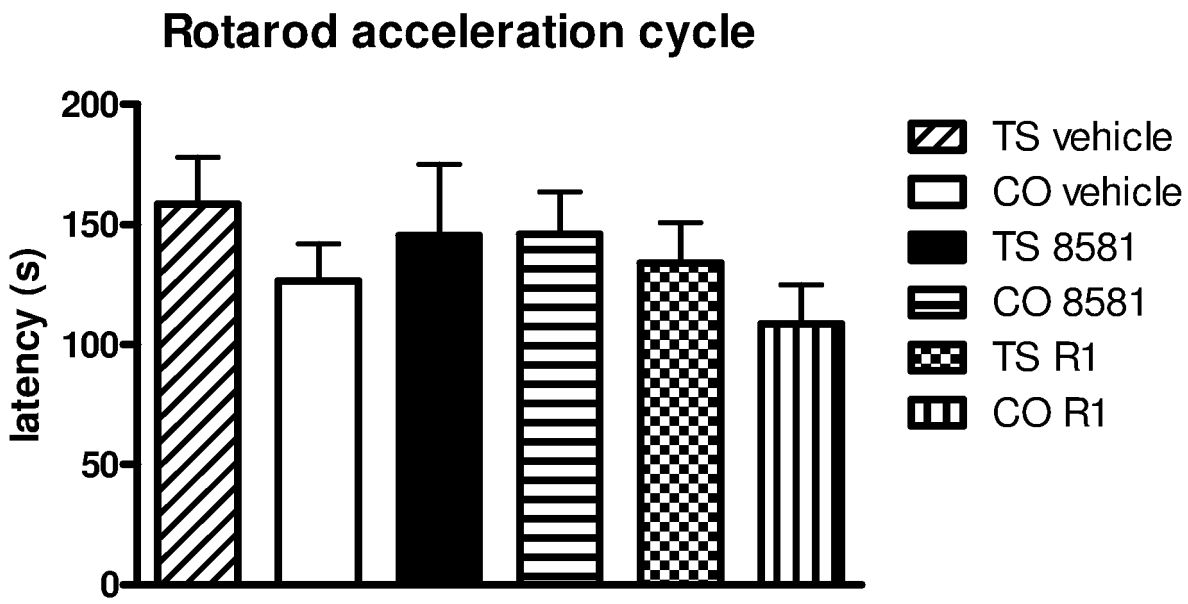

Rotarod acceleration cycle
latency (s)
200
150
100
50
0
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 3:

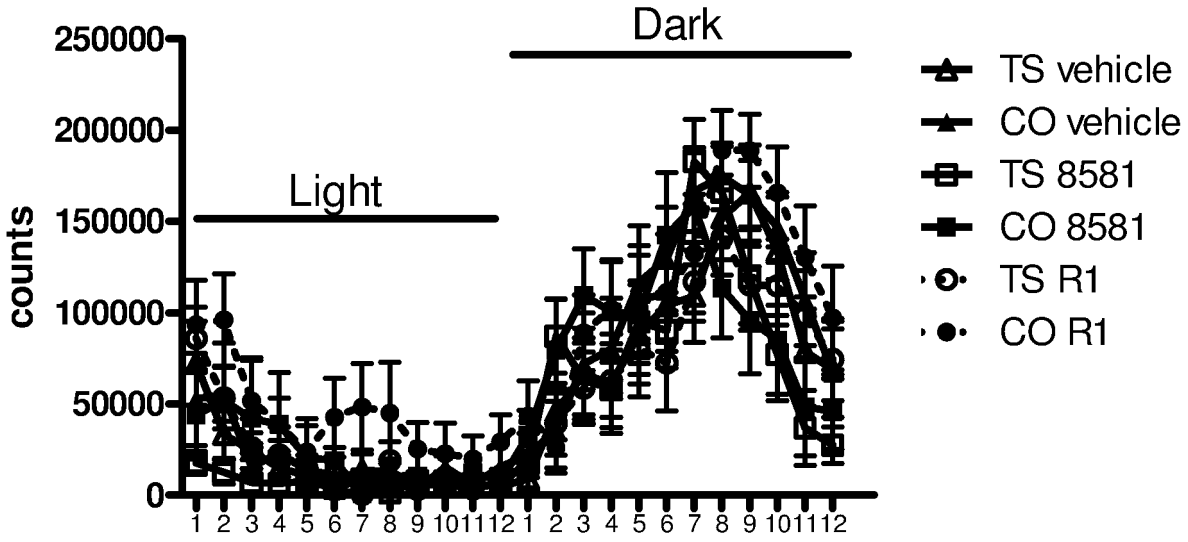

Dark
Light
250000
200000
150000
100000
50000
0
counts
1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 4:

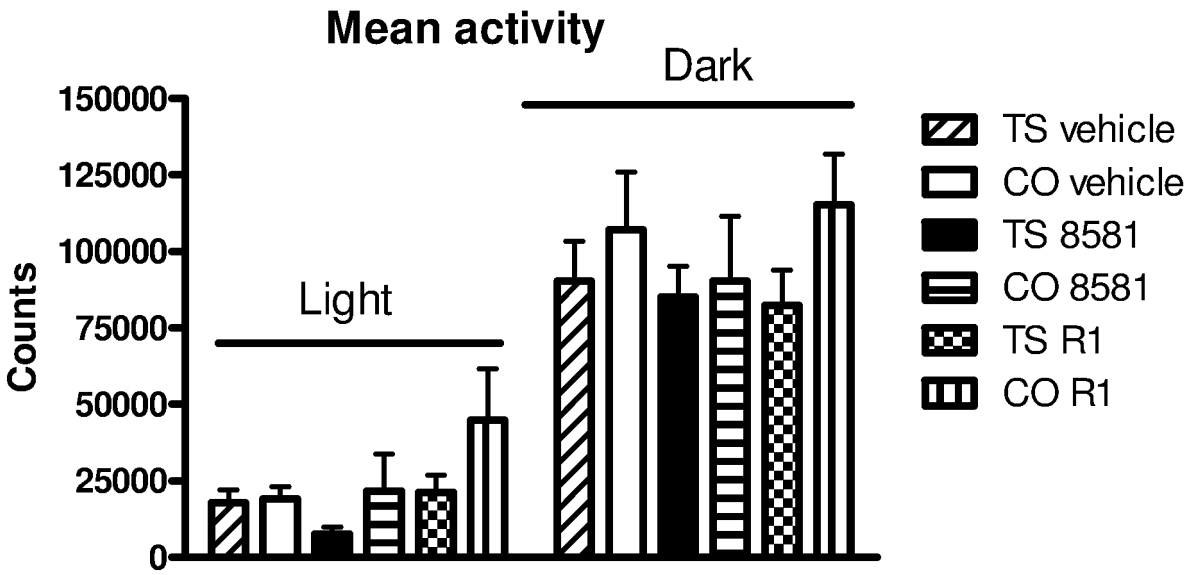

Mean activity
Dark
Light
Counts
150000
125000
100000
75000
50000
25000
0
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 5:

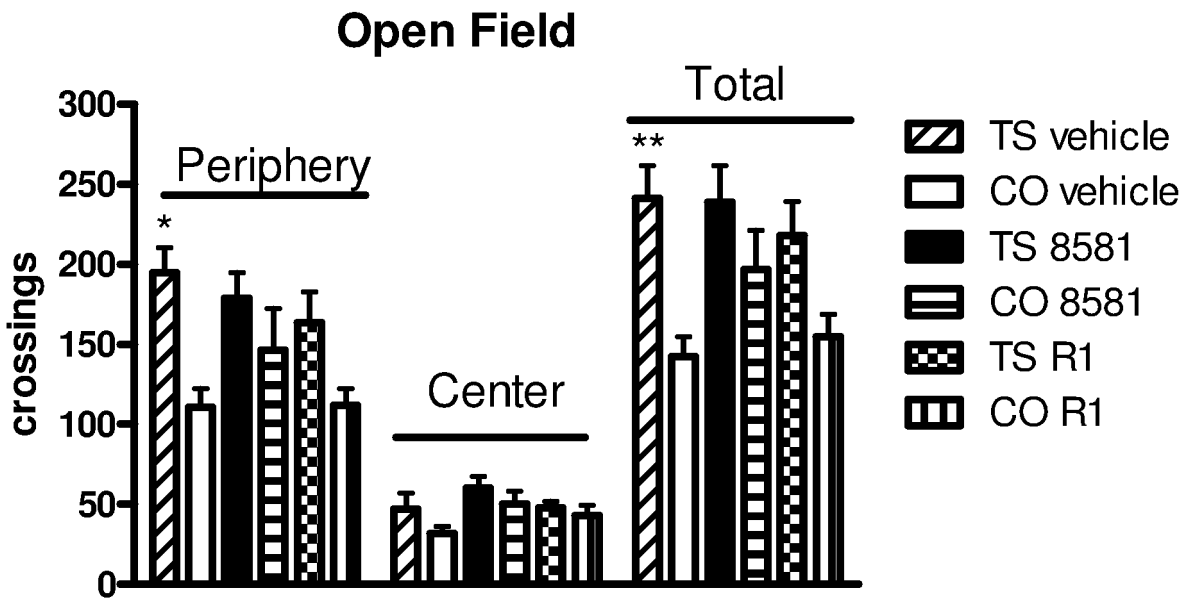

Open Field
Periphery
Center
Total
crossings
300
250
200
150
100
50
0
*
**
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 6:

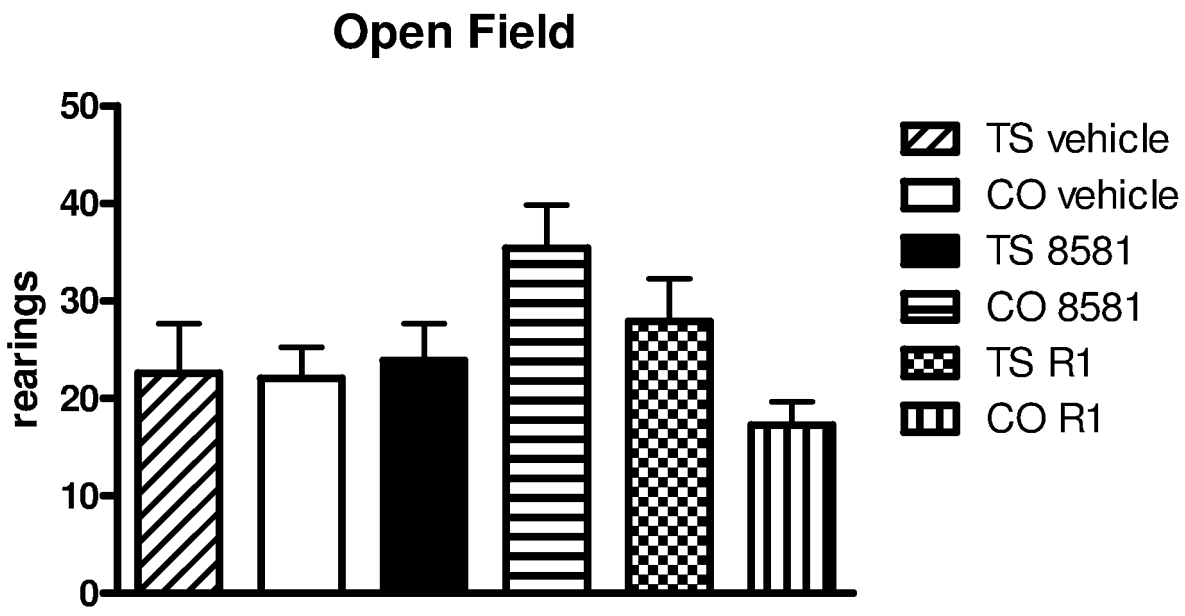

Open Field
rearings
50
40
30
20
10
0
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 7:

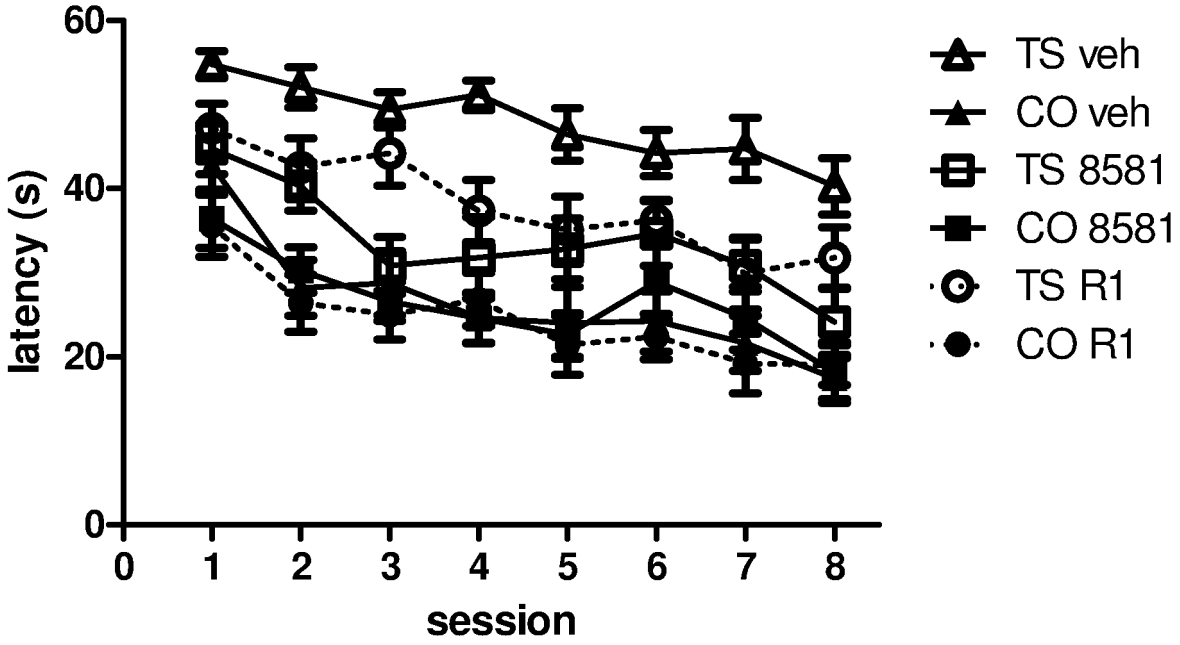

60
40
20
0
latency (s)
0
1
2
3
4
5
6
7
8
session
TS veh
CO veh
TS 8581
CO 8581
TS R1
CO R1

Figure 8:

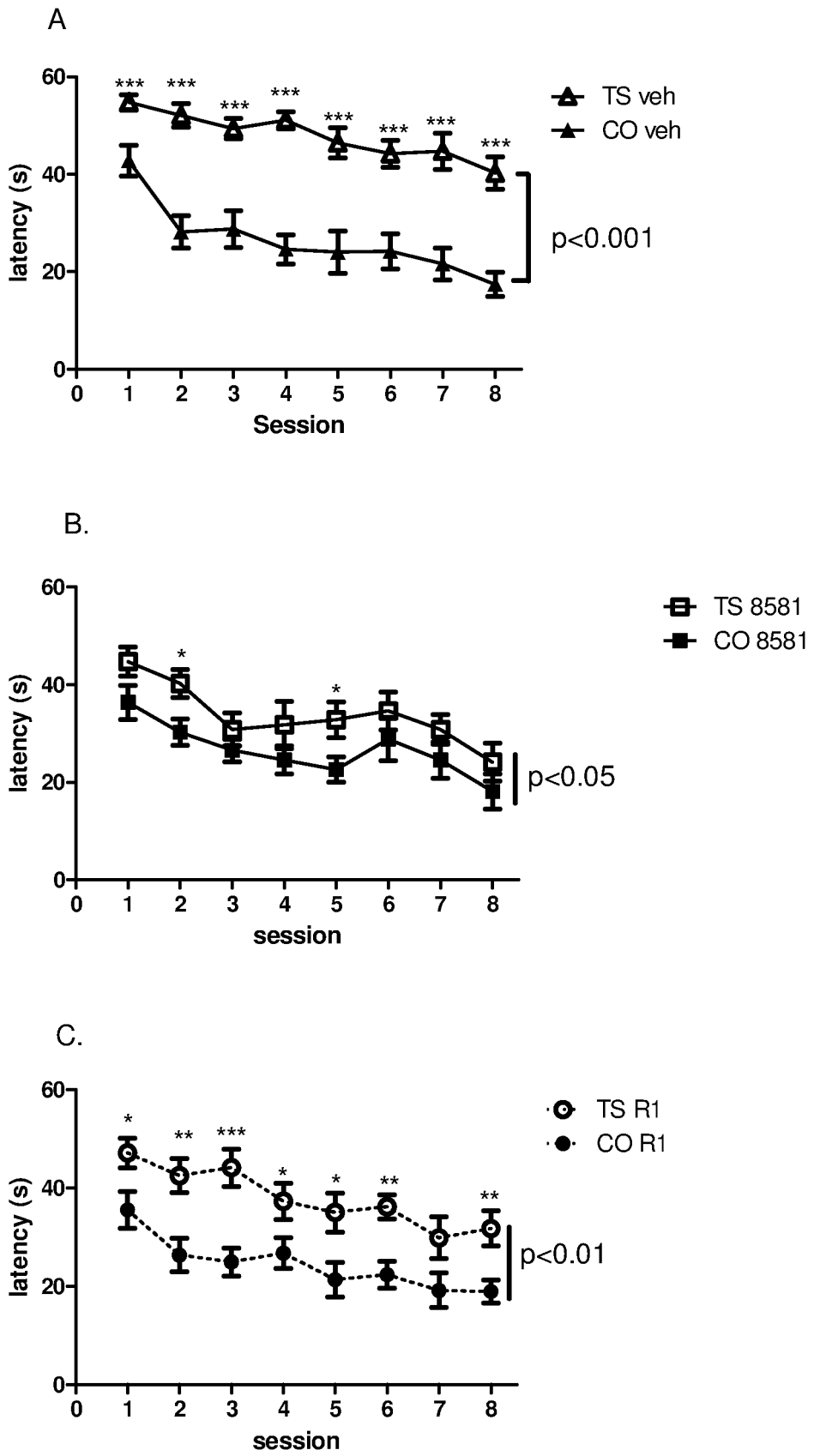

A
latency (s)
Session
TS veh
CO veh
p<0.001
B.
latency (s)
session
TS 8581
CO 8581
p<0.05
C.
latency (s)
session
TS R1
CO R1
p<0.01

Figure 9:

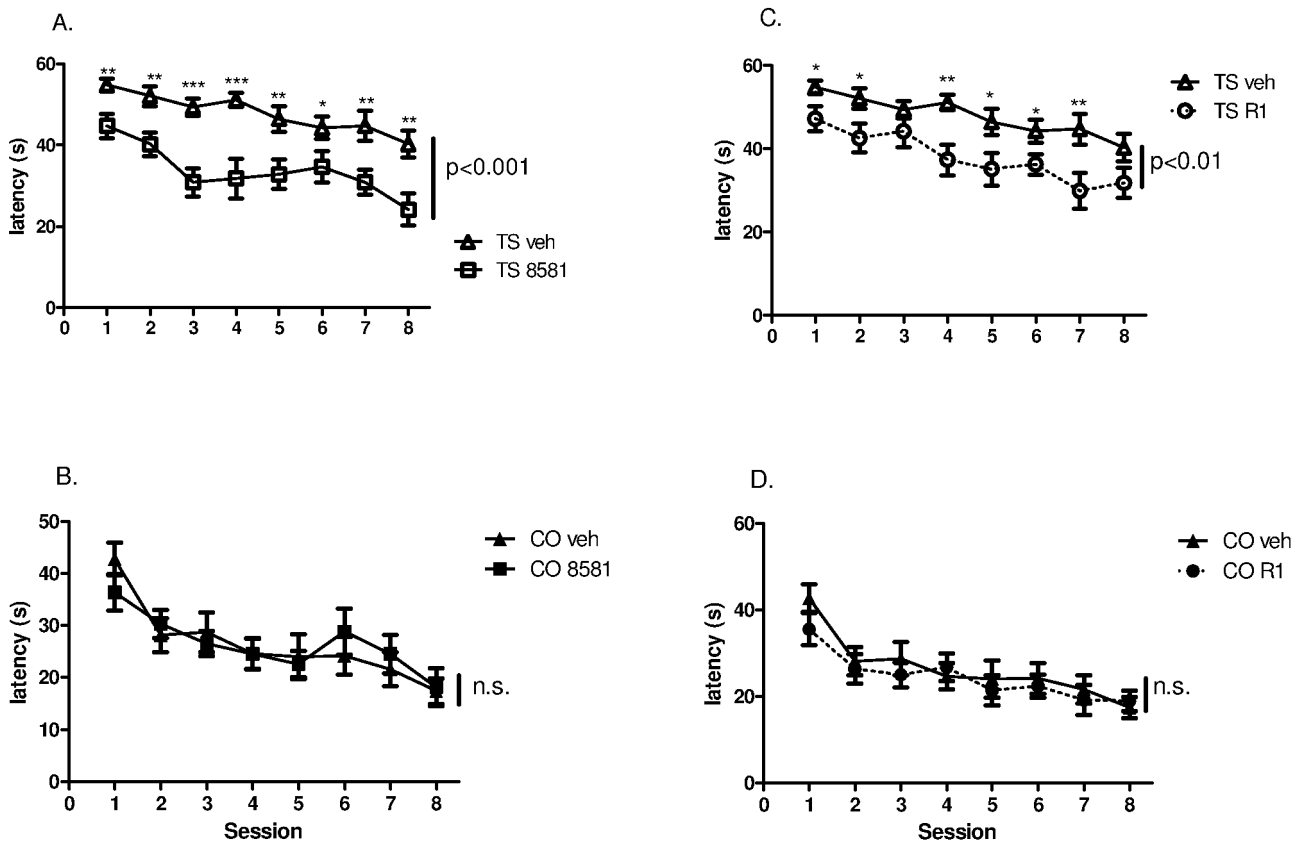

A.
latency (s)
p<0.001
TS veh
TS 8581
C.
latency (s)
p<0.01
TS veh
TS R1
B.
latency (s)
CO veh
CO 8581
n.s.
Session
D.
latency (s)
CO veh
CO R1
n.s.
Session

Figure 10:

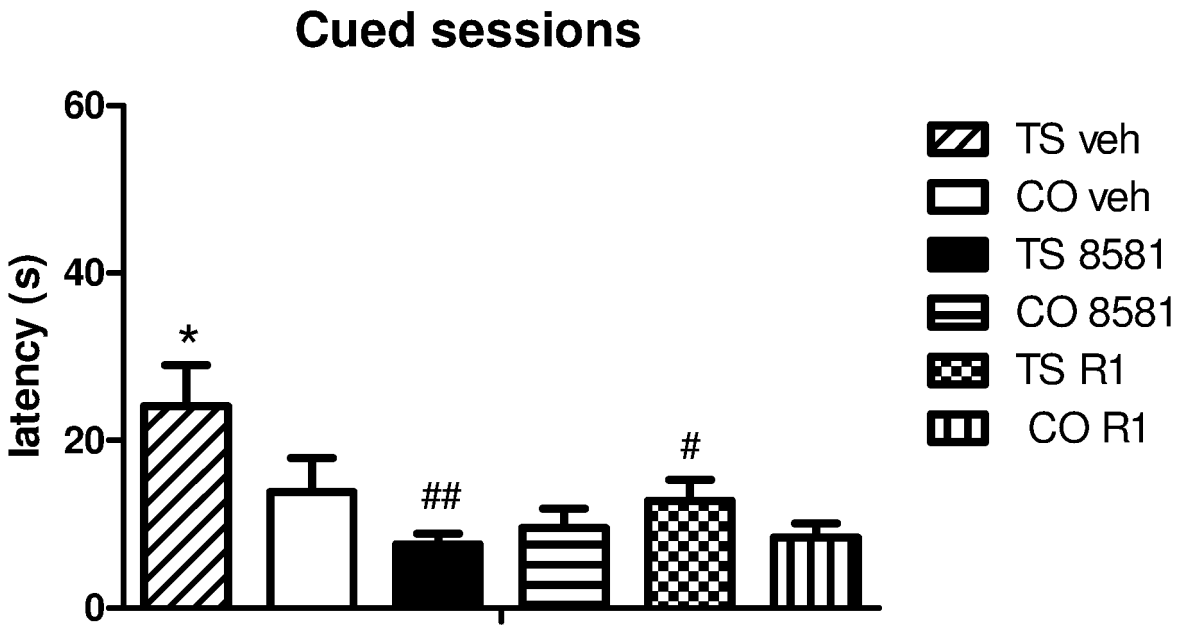

Cued sessions
latency (s)
60
40
20
0
*
##
#
TS veh
CO veh
TS 8581
CO 8581
TS R1
CO R1

Figure 11

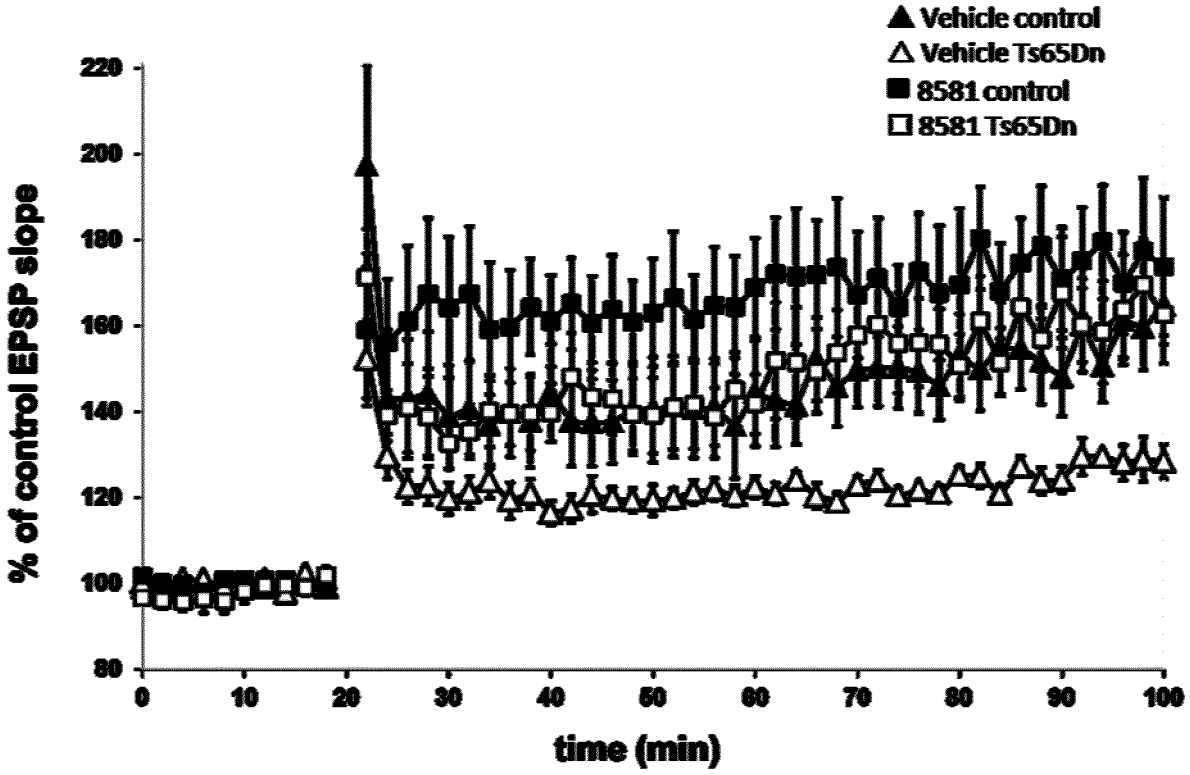

Vehicle control
Vehicle Ts65Dn
8581 control
8581 Ts65Dn
% of control EPSP slope
220
200
180
160
140
120
100
80
0
10
20
30
40
50
60
70
80
90
100
time (min)

Figure 12

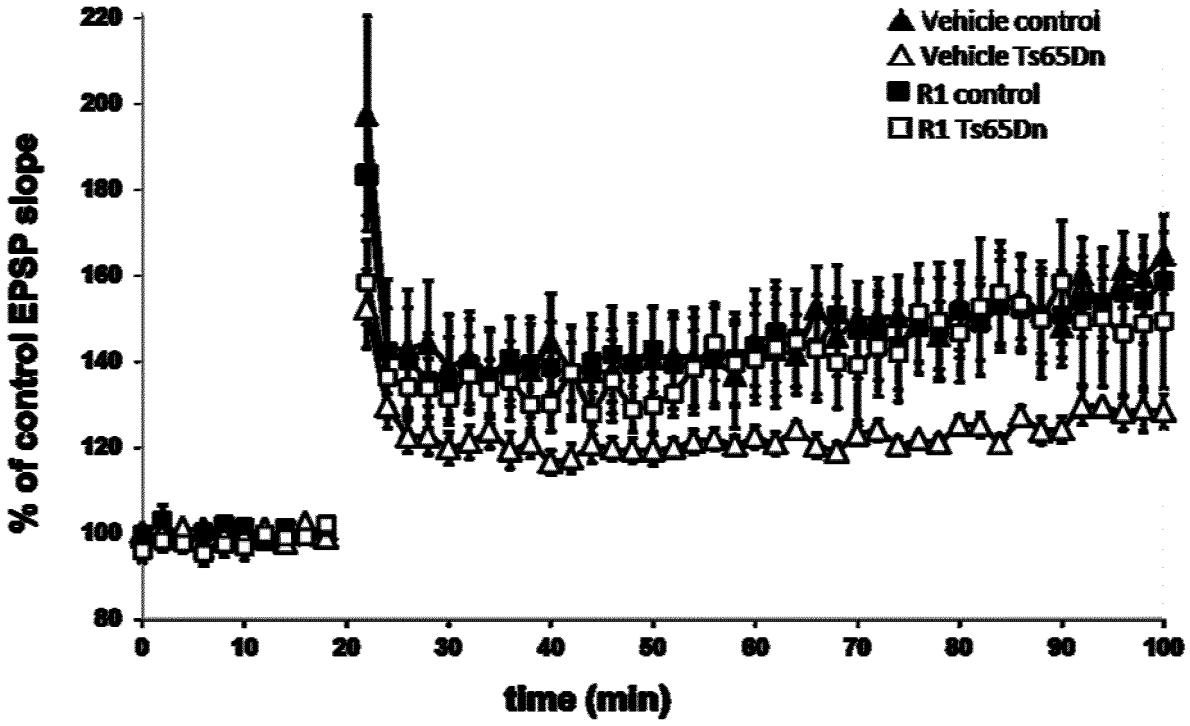

Vehicle control
Vehicle Ts65Dn
R1 control
R1 Ts65Dn
% of control EPSP slope
220
200
180
160
140
120
100
80
0
10
20
30
40
50
60
70
80
90
100
time (min)

Figure 13.

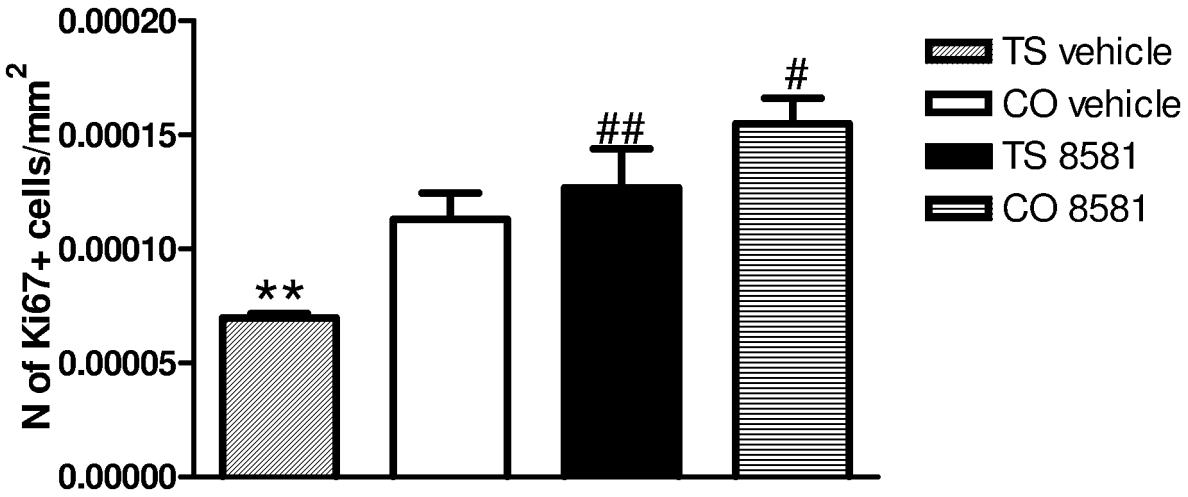
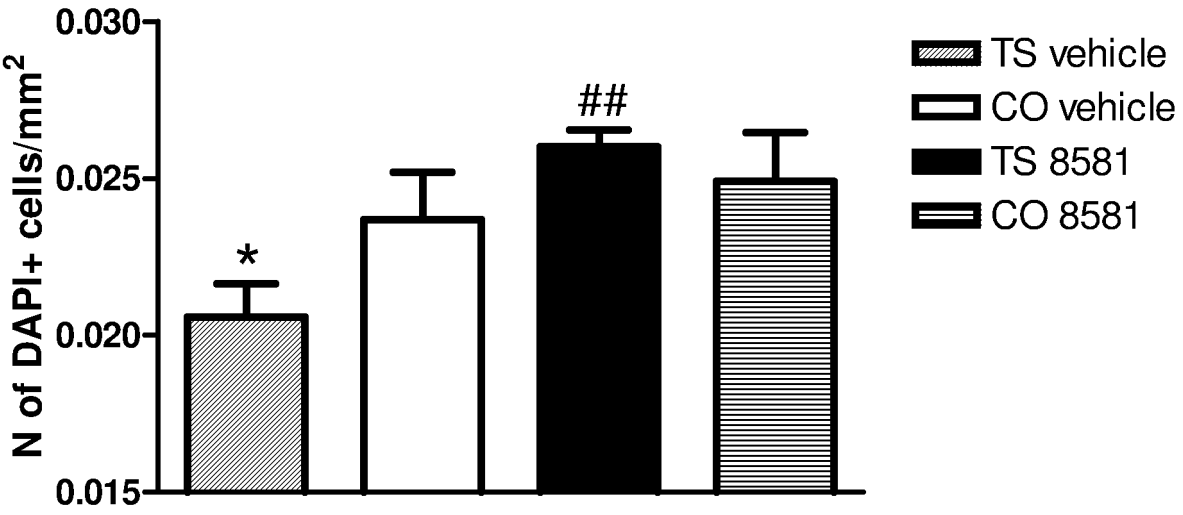
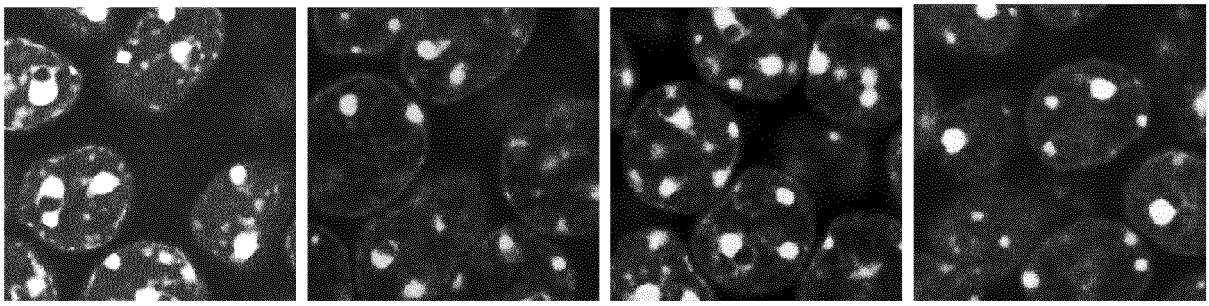

0.00020
0.00015
0.00010
0.00005
0.00000
N of Ki67+ cells/mm2
**
##
#
TS vehicle
CO vehicle
TS 8581
CO 8581

Figure 14.

(A)



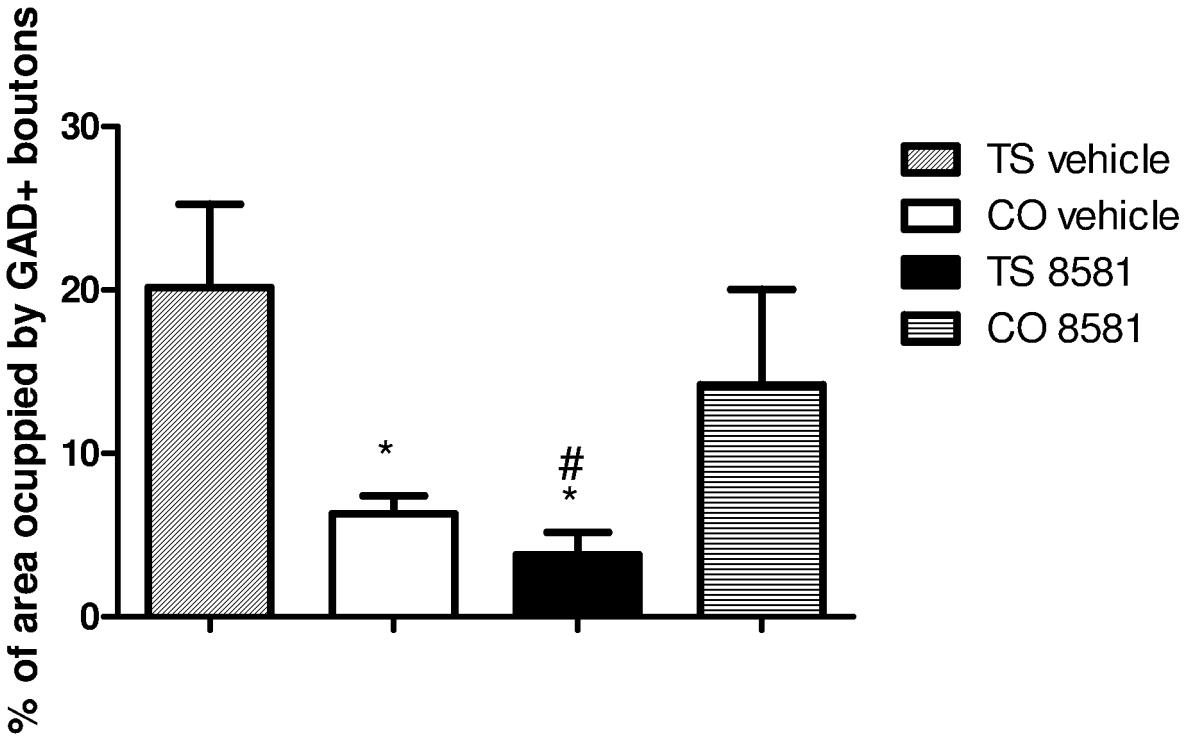
(B)



TS Vehicle CO Vehicle TS 8581 CO 8581

Figure 15.

(A)


% of area ocuppied by GAD+ boutons
30
20
10
0
*
#
*
TS vehicle
CO vehicle
TS 8581
CO 8581

(B)

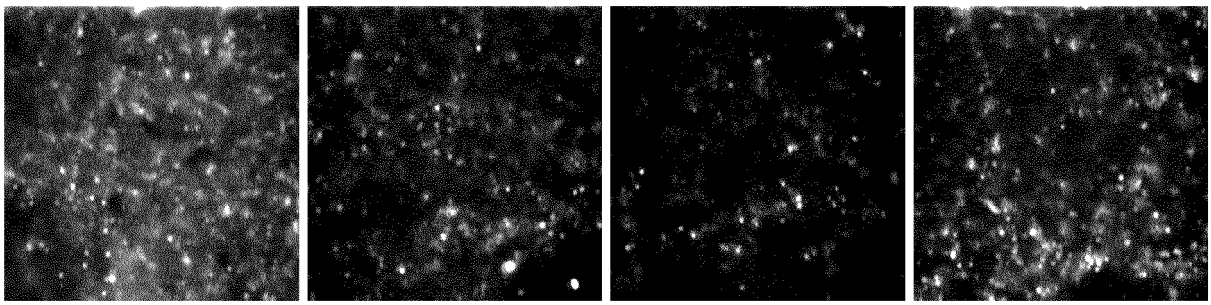

TS Vehicle
CO Vehicle
TS 8581
CO 8581

Figure 16:

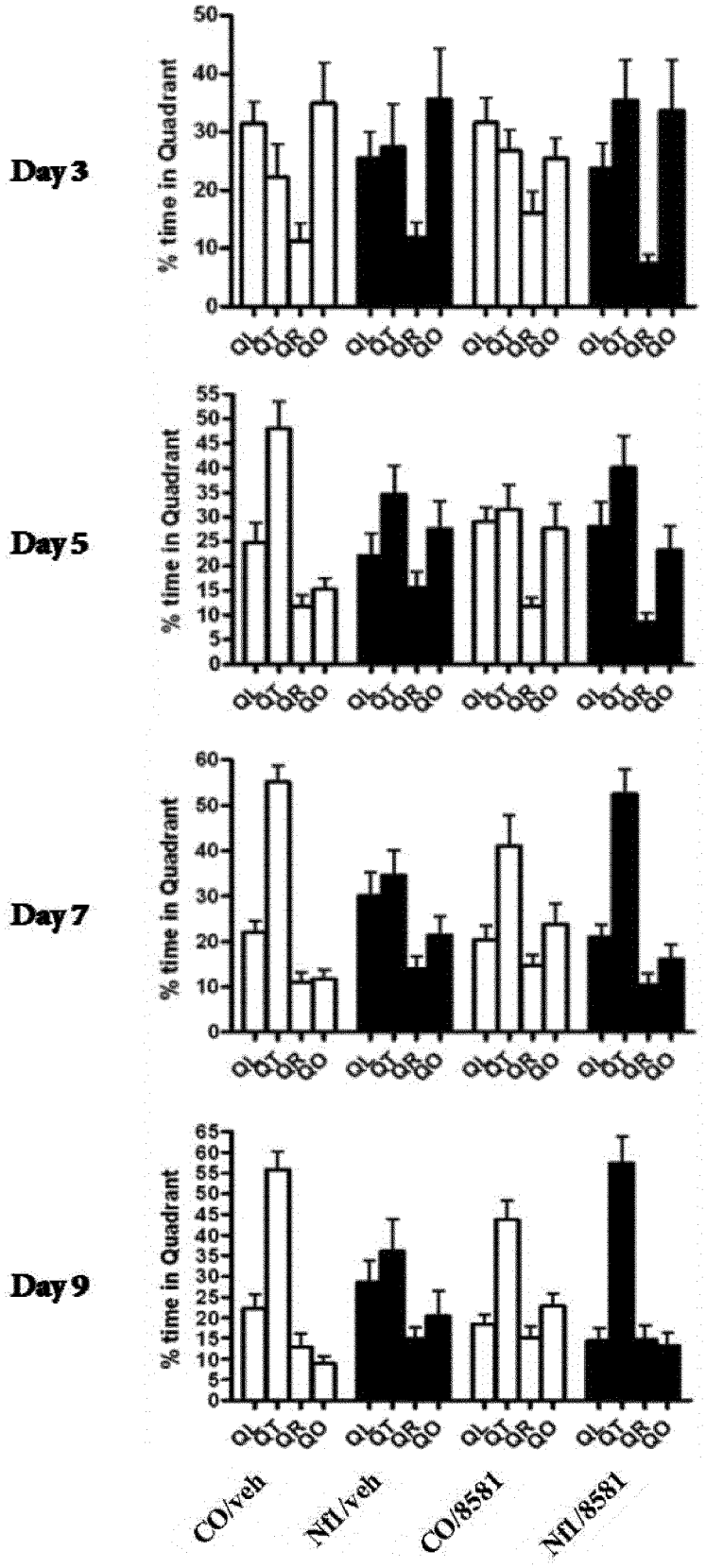

Day 3
Day 5
Day 7
Day 9
% time in Quadrant
CO/veh
NfI/veh
CO/8581
NfI/8581

Figure 17:

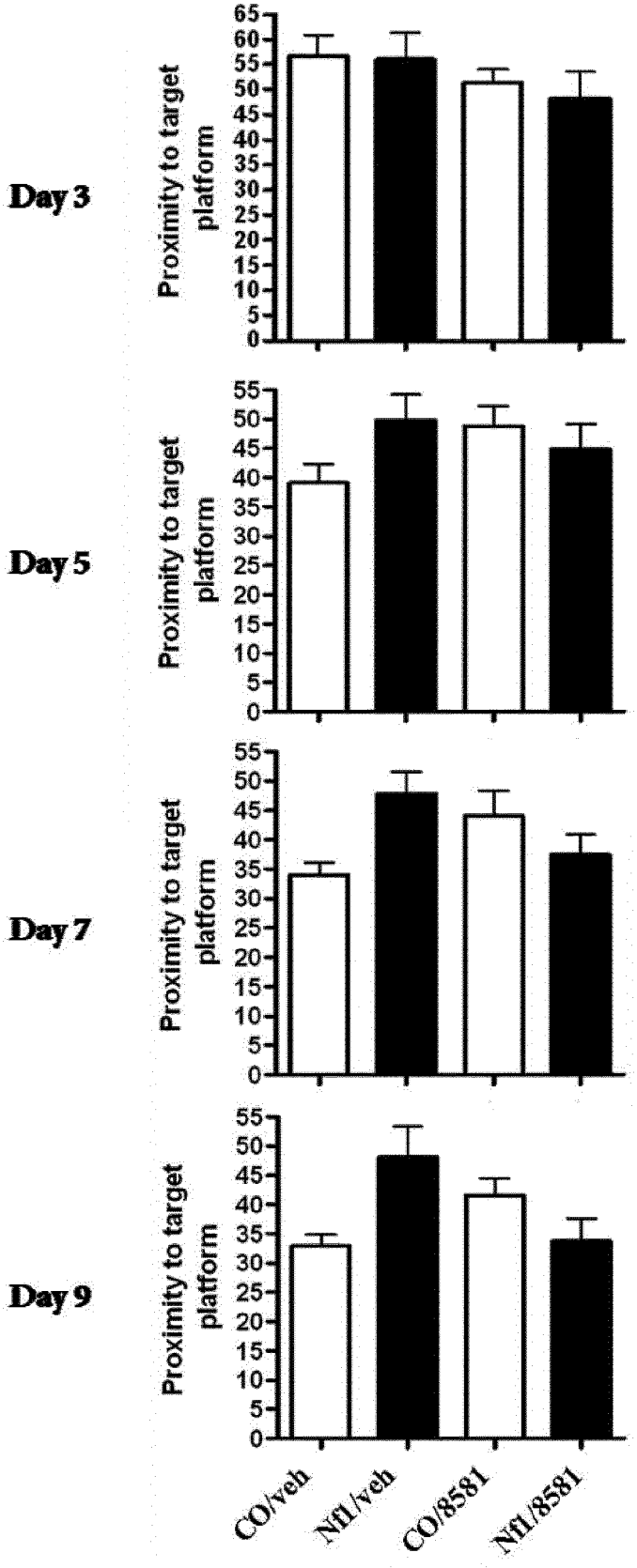

Day 3
Day 5
Day 7
Day 9
Proximity to target platform
CO/veh
Nfl/veh
CO/8581
Nfl/8581

Figure 18:

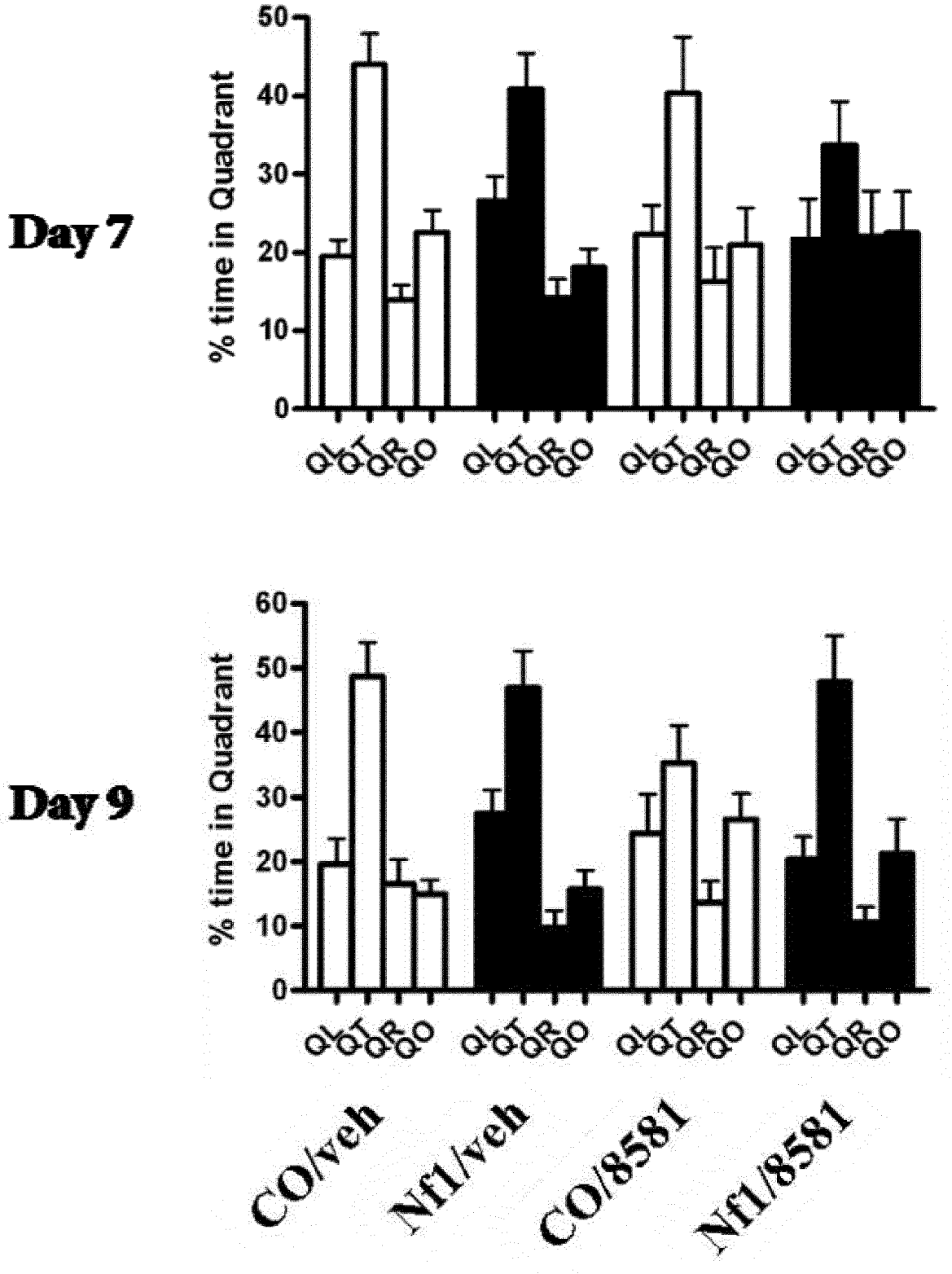

Day 7
Day 9
% time in Quadrant
0
10
20
30
40
50
60
QL
QT
QR
QO
CO/veh
Nf1/veh
CO/8581
Nf1/8581

Figure 19:

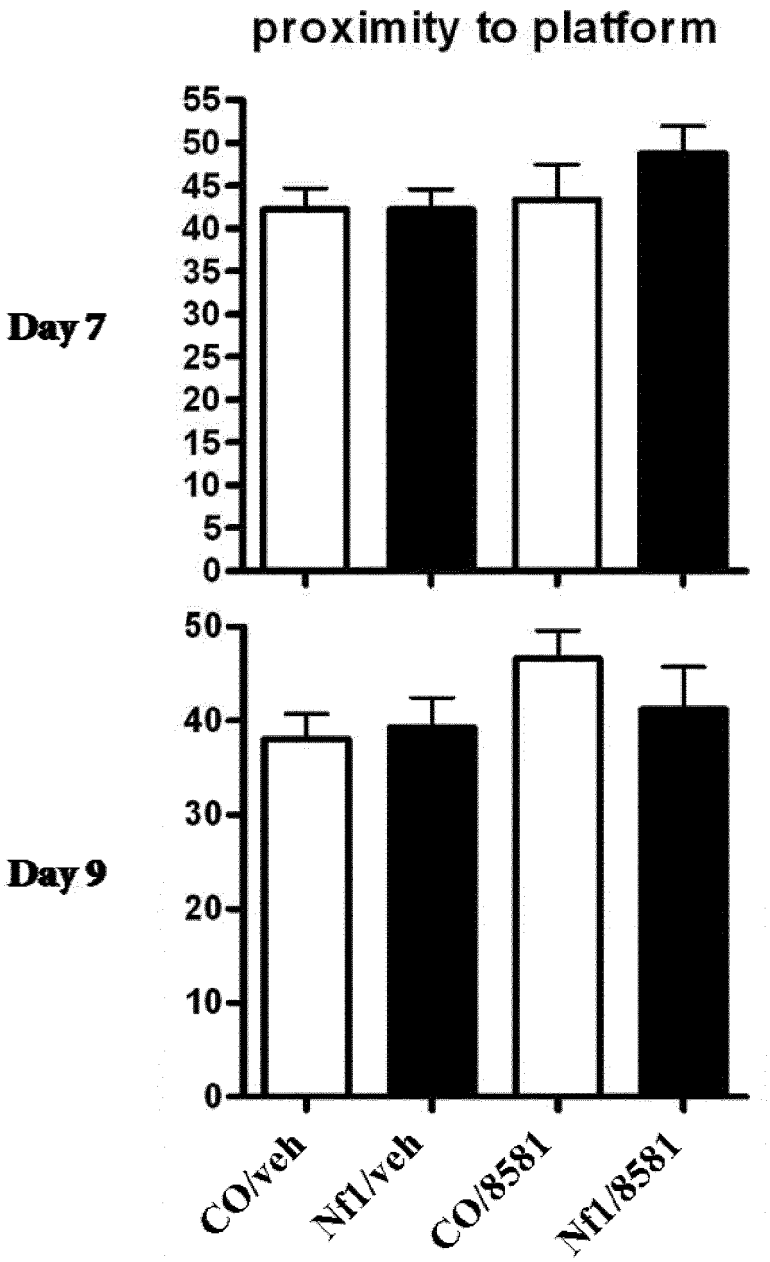

proximity to platform
Day 7
Day 9
55
50
45
40
35
30
25
20
15
10
5
0
50
40
30
20
10
0
CO/veh
Nf1/veh
CO/8581
Nf1/8581

Figure 20:

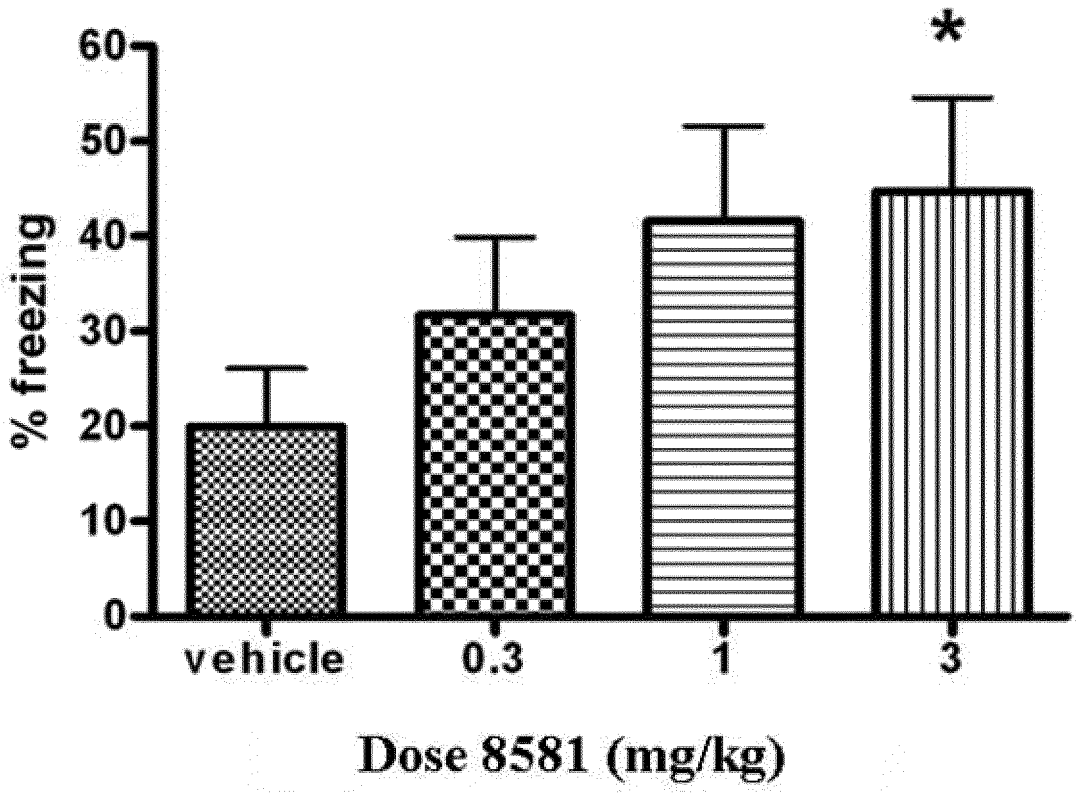


Figure 21:

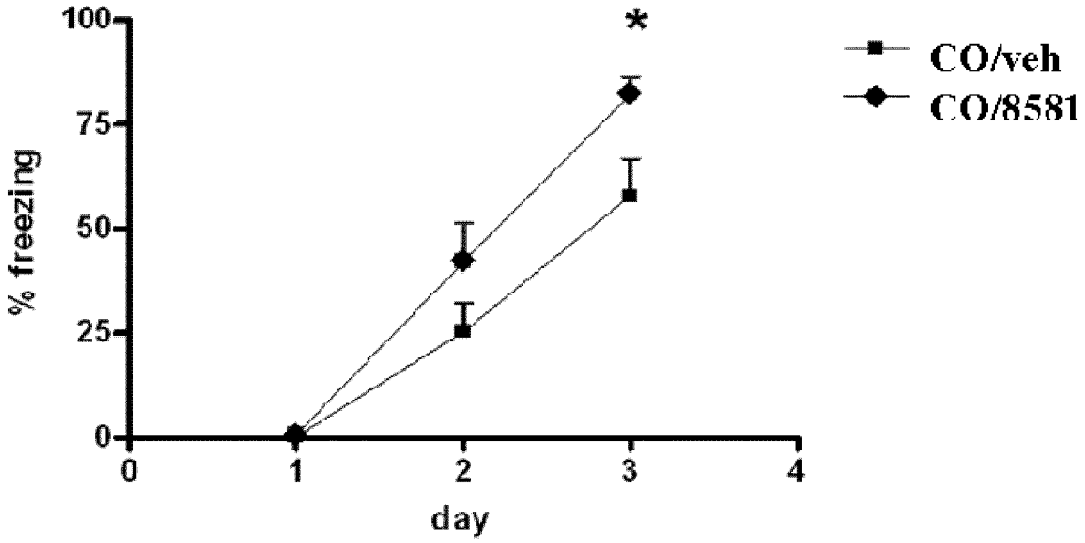


Figure 22:

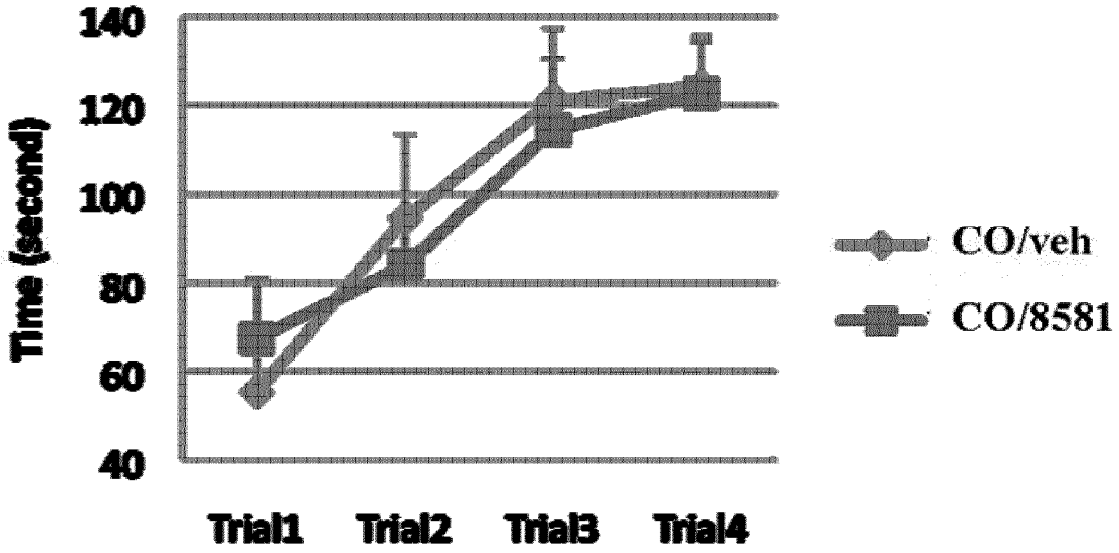
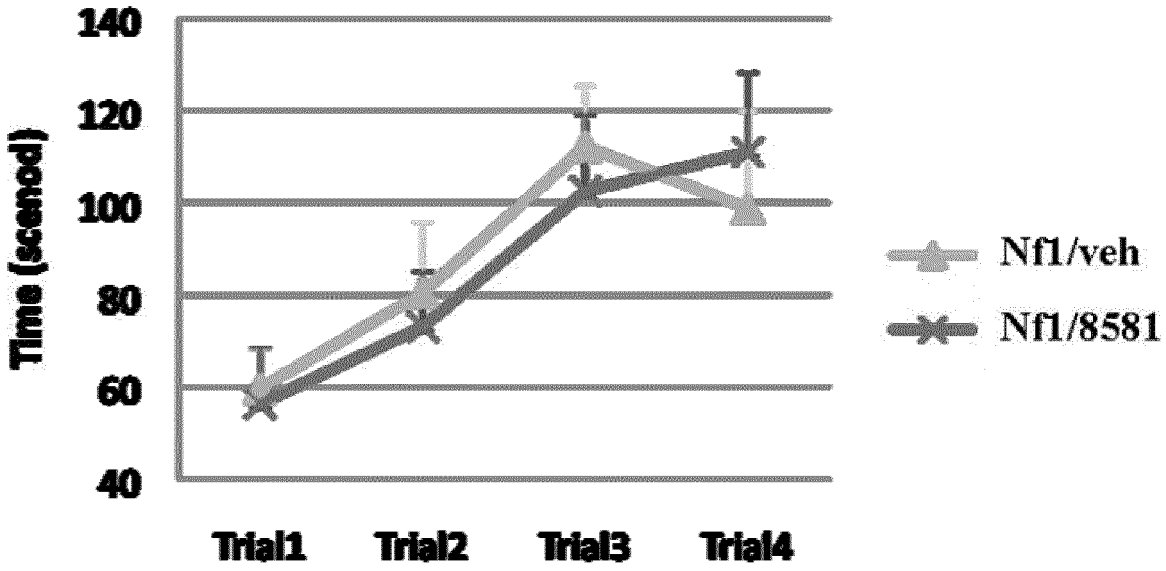

140
120
100
80
60
40
Time (second)
Trial1
Trial2
Trial3
Trial4
CO/veh
CO/8581

Figure 23:


140
120
100
80
60
40
Time (scond)
Trial1
Trial2
Trial3
Trial4
Nf1/veh
Nf1/8581