Figure 1:

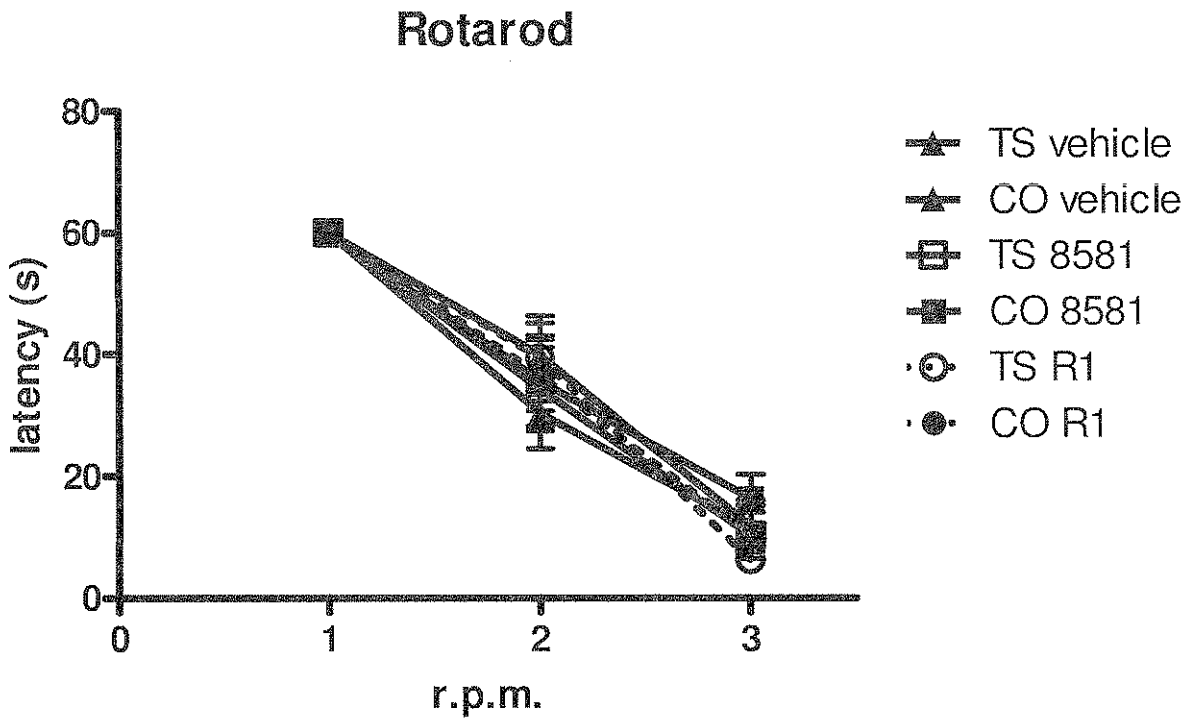

Rotarod
latency (s)
80
60
40
20
0
0
1
2
3
r.p.m.
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 2:

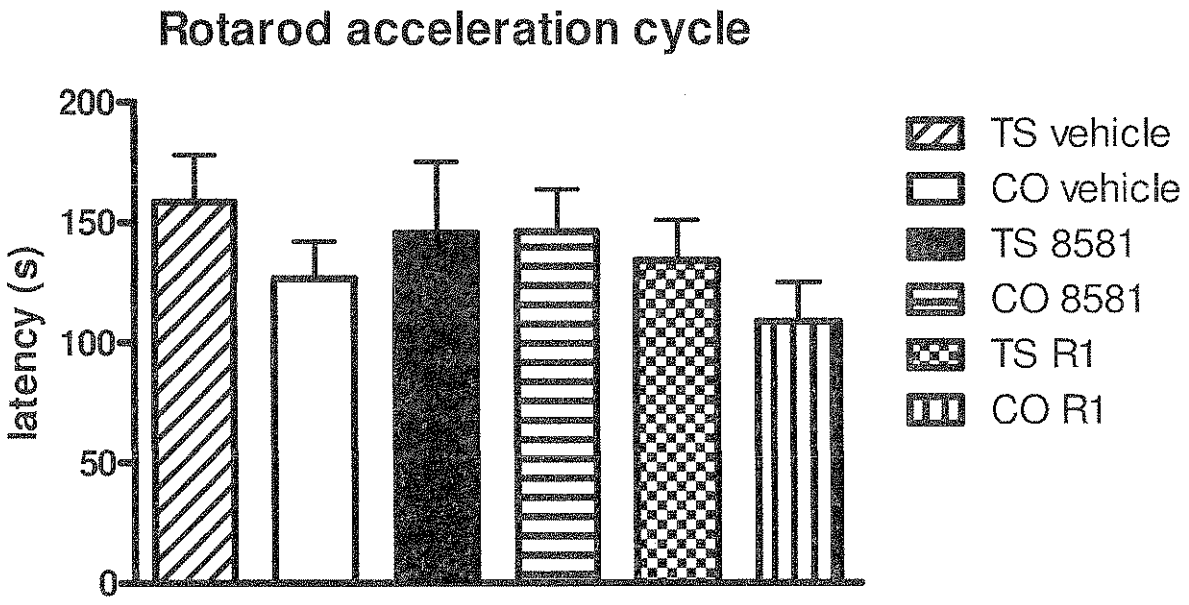

Rotarod acceleration cycle
latency (s)
200
150
100
50
0
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 3:

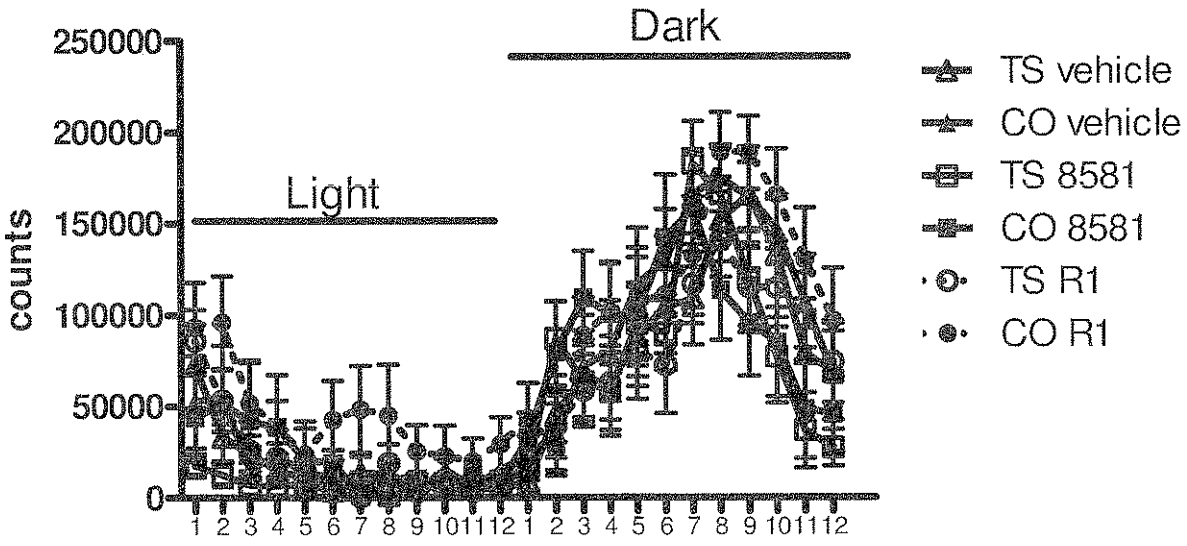

Dark
Light
250000
200000
150000
100000
50000
0
counts
1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 4:

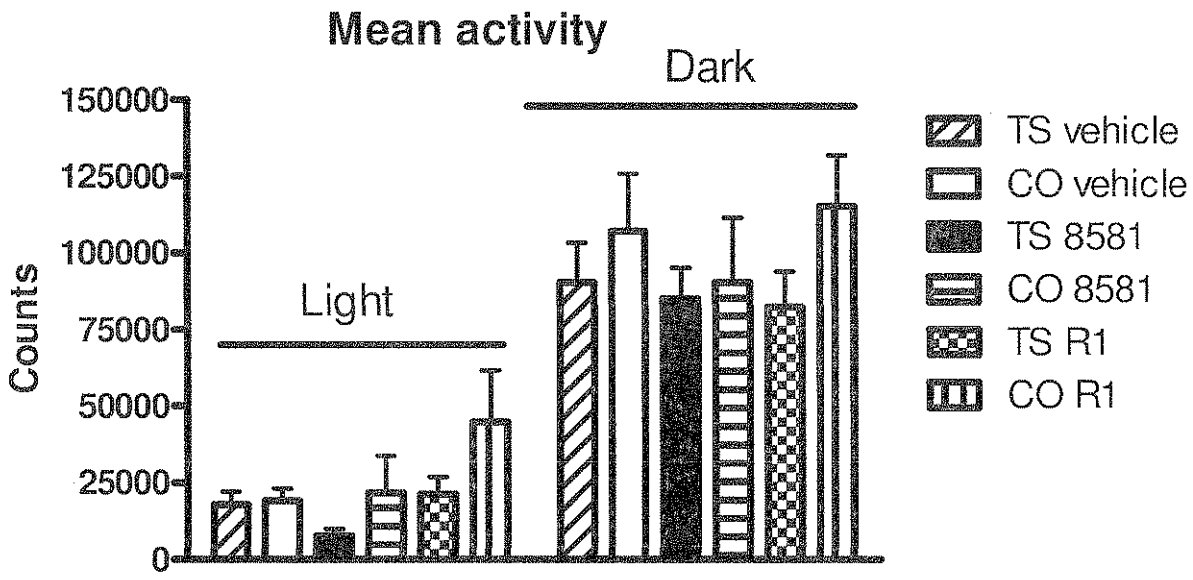

Mean activity
Dark
Light
Counts
150000
125000
100000
75000
50000
25000
0
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 5:

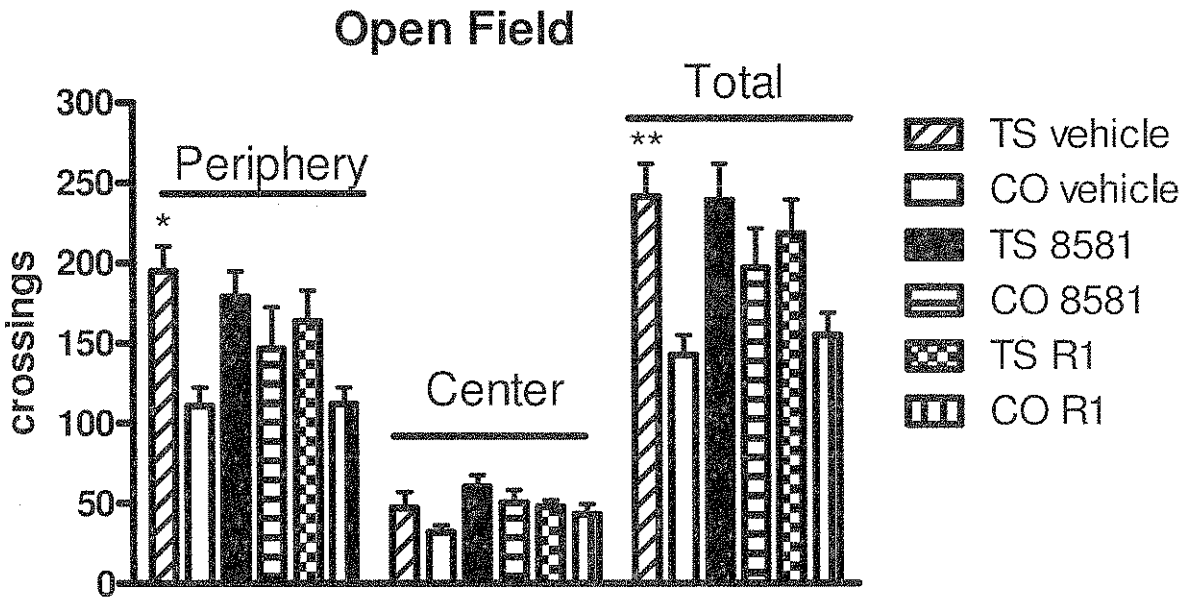

Open Field
Periphery
Center
Total
crossings
300
250
200
150
100
50
0
*
**
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 6:

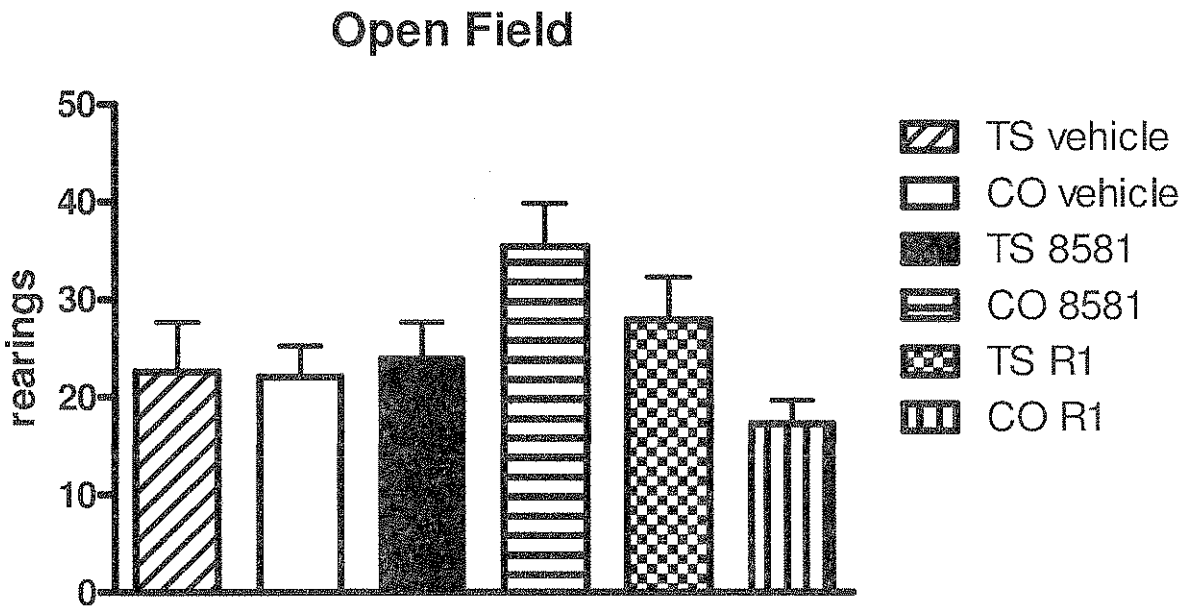

Open Field
rearings
50
40
30
20
10
0
TS vehicle
CO vehicle
TS 8581
CO 8581
TS R1
CO R1

Figure 7:

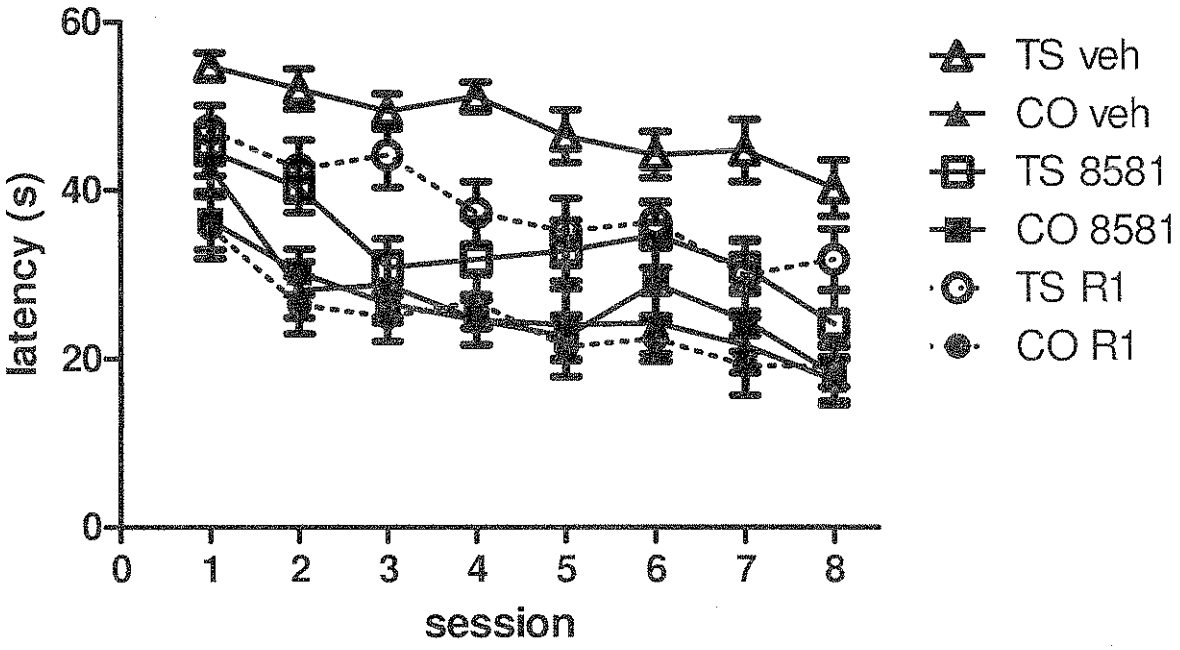

60
40
20
0
latency (s)
0
1
2
3
4
5
6
7
8
session
TS veh
CO veh
TS 8581
CO 8581
TS R1
CO R1

Figure 8:

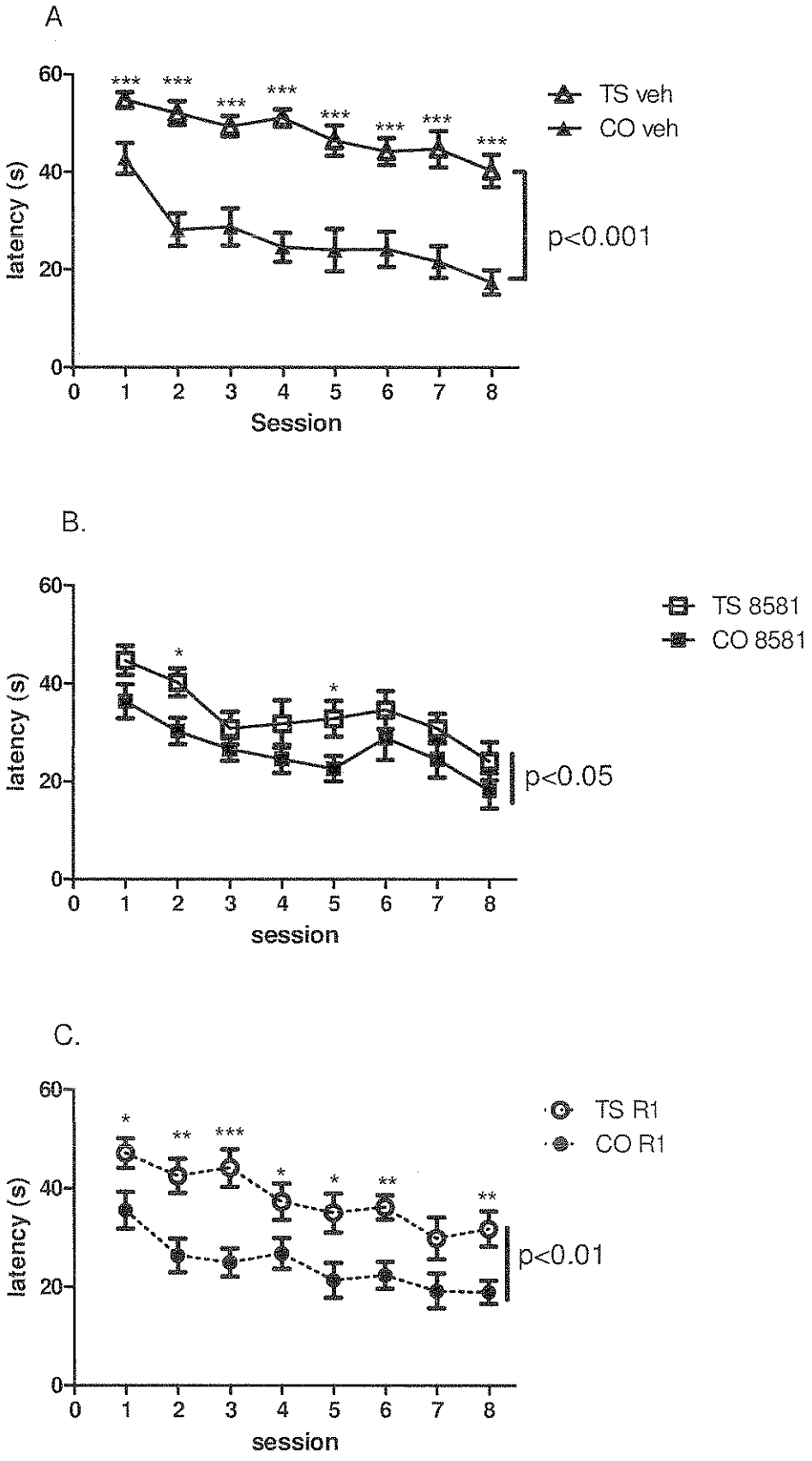

A
latency (s)
Session
TS veh
CO veh
p<0.001
B.
latency (s)
session
TS 8581
CO 8581
p<0.05
C.
latency (s)
session
TS R1
CO R1
p<0.01

Figure 9:

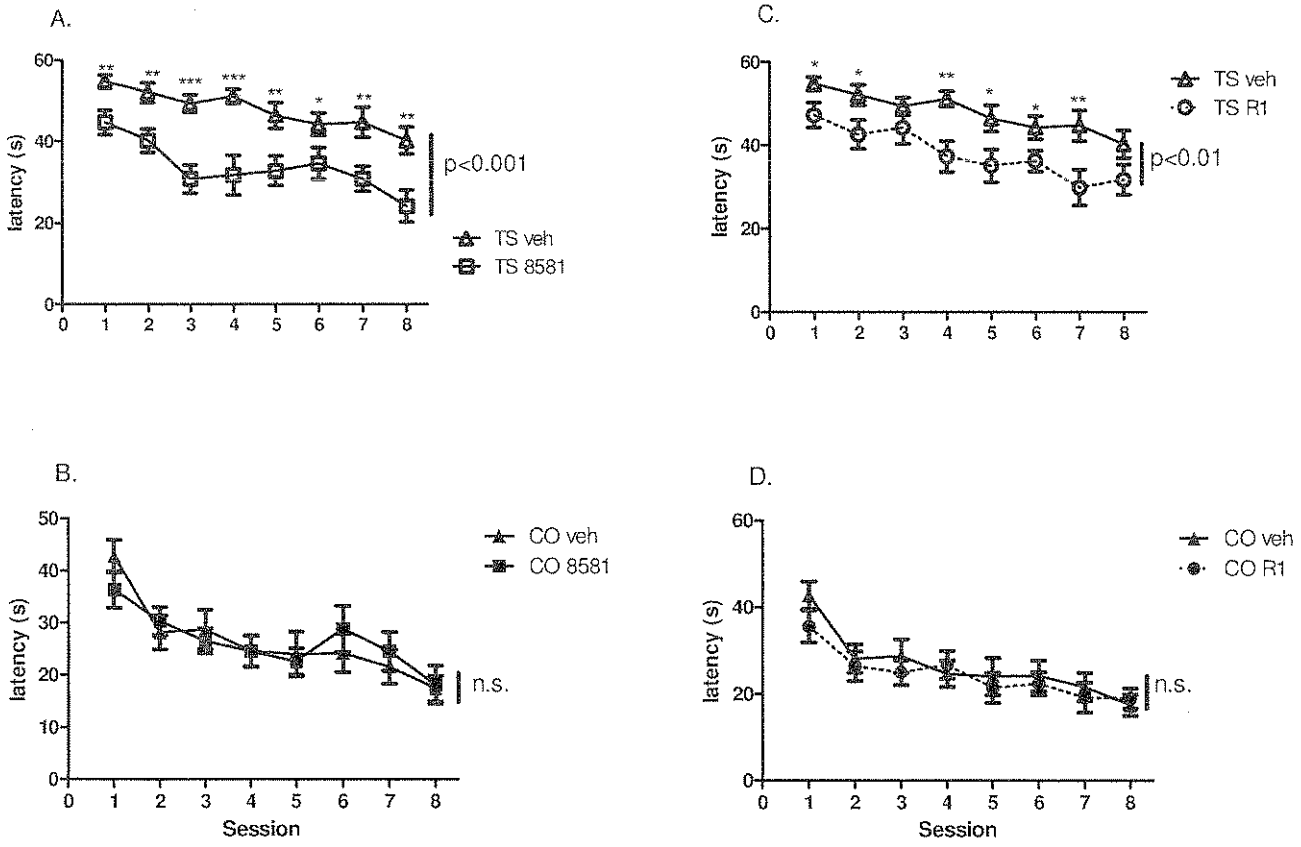

A.
latency (s)
p<0.001
TS veh
TS 8581
B.
latency (s)
CO veh
CO 8581
n.s.
Session
C.
latency (s)
TS veh
TS R1
p<0.01
D.
latency (s)
CO veh
CO R1
n.s.
Session

Figure 10:

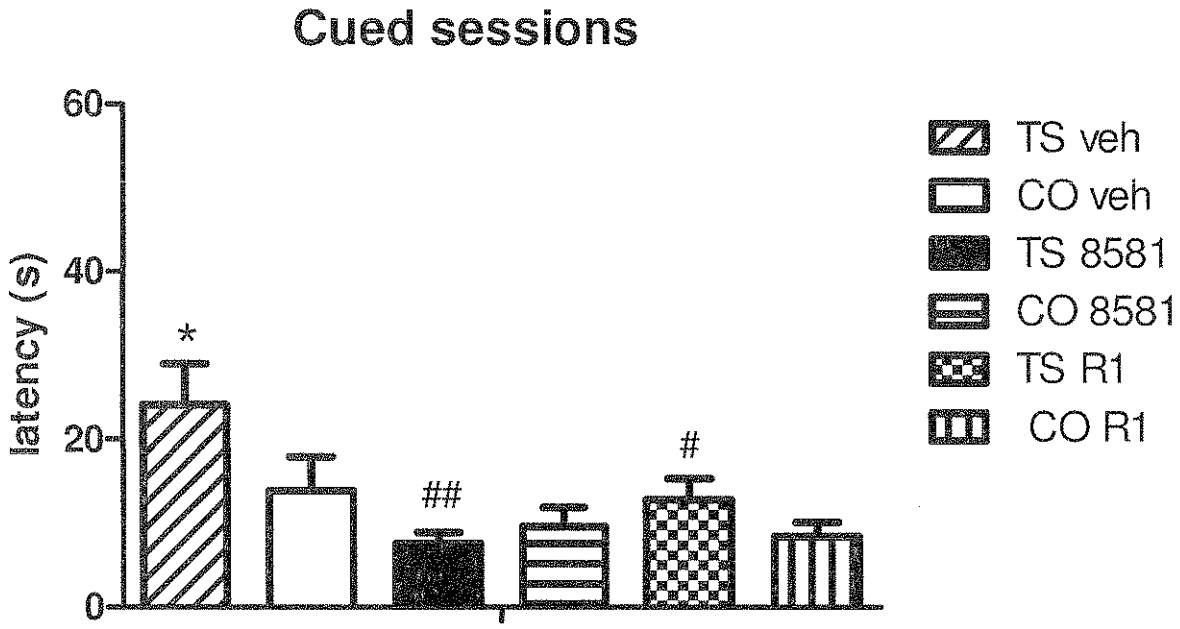

Cued sessions
latency (s)
60
40
20
0
*
##
#
TS veh
CO veh
TS 8581
CO 8581
TS R1
CO R1

Figure 11

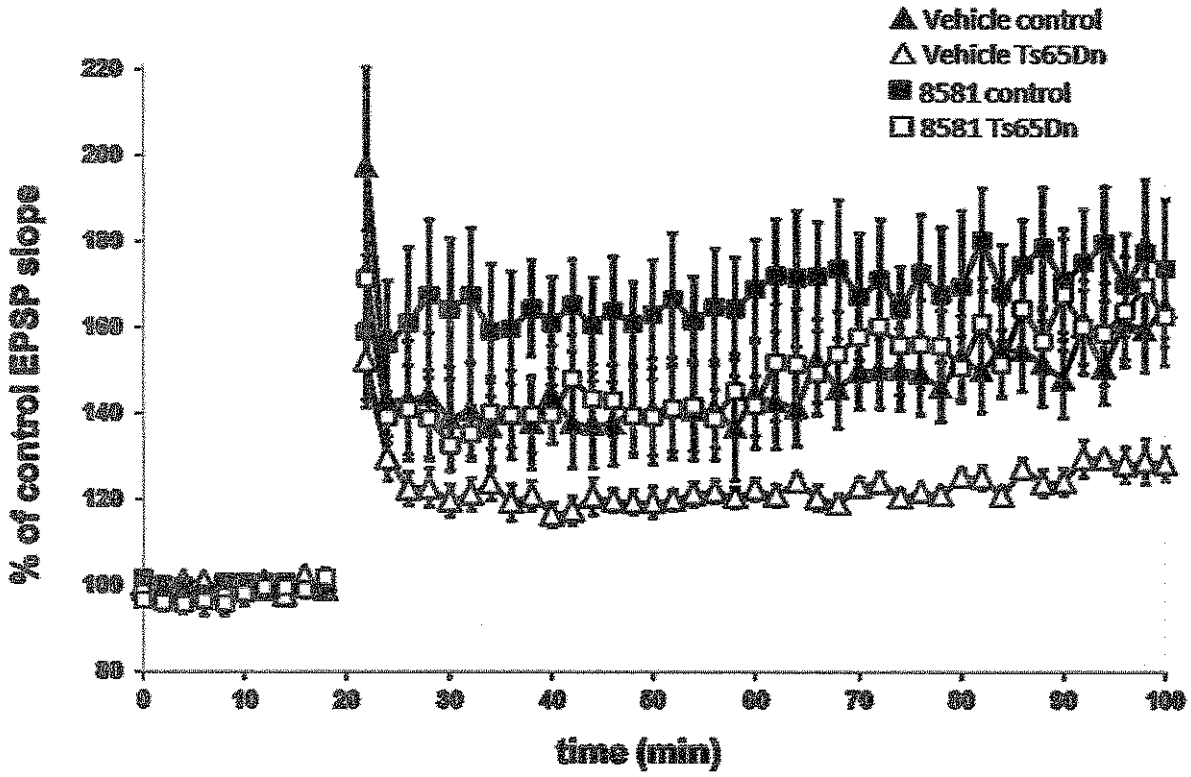

Vehicle control
Vehicle Ts65Dn
8581 control
8581 Ts65Dn
% of control EPSP slope
220
200
180
160
140
120
100
80
0
10
20
30
40
50
60
70
80
90
100
time (min)

Figure 12

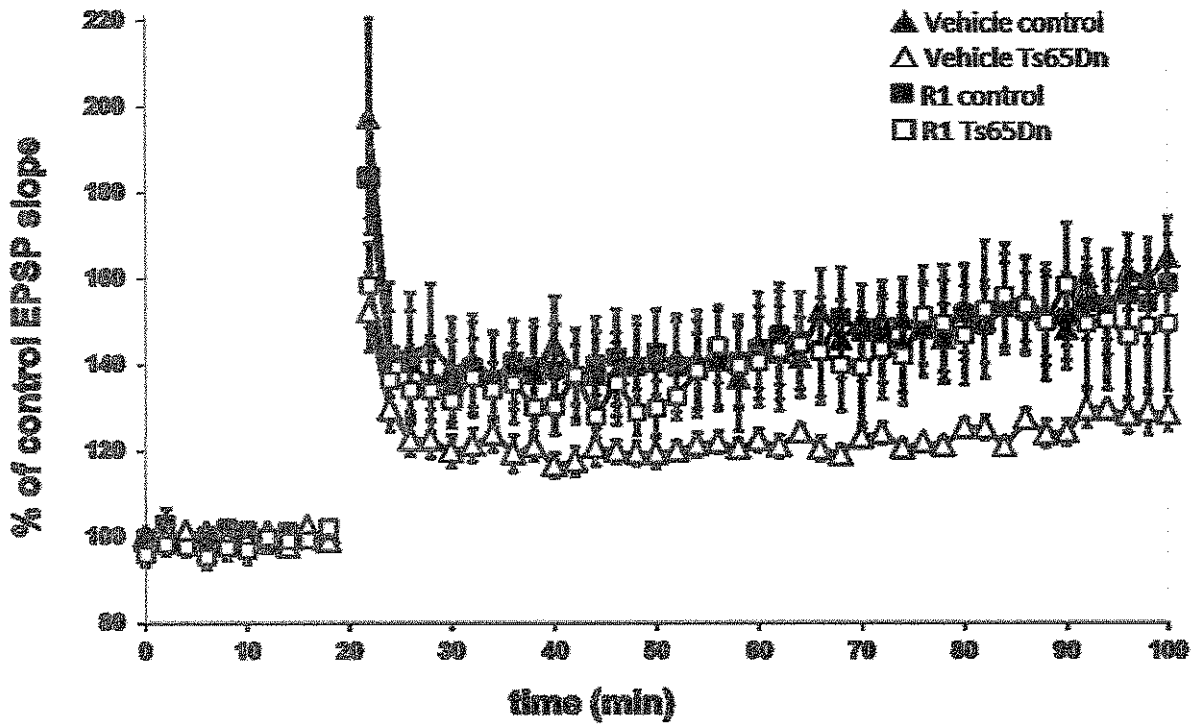

Vehicle control
Vehicle Ts65Dn
R1 control
R1 Ts65Dn
% of control EPSP slope
220
200
180
160
140
120
100
80
0
10
20
30
40
50
60
70
80
90
100
time (min)

Figure 13.

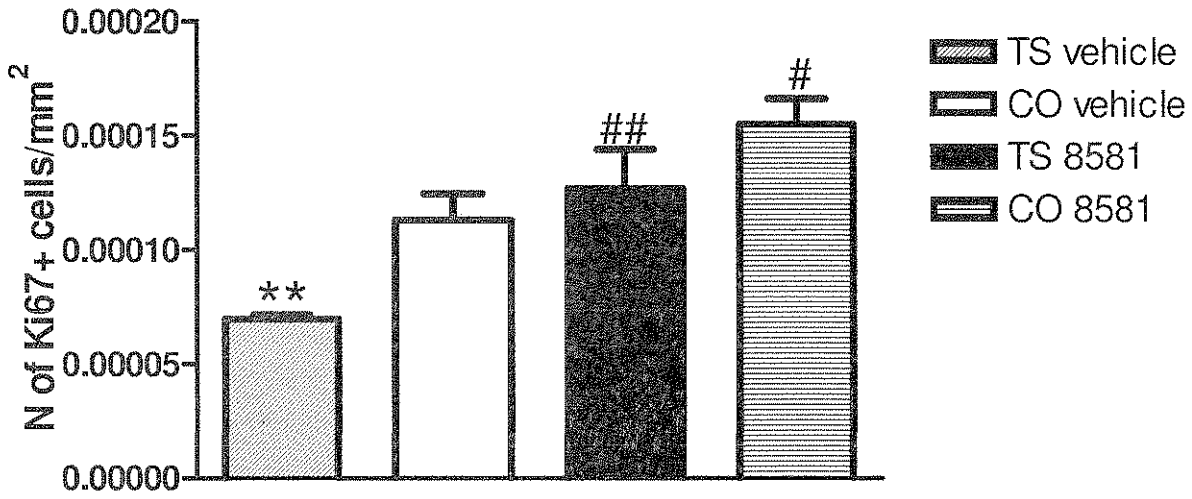
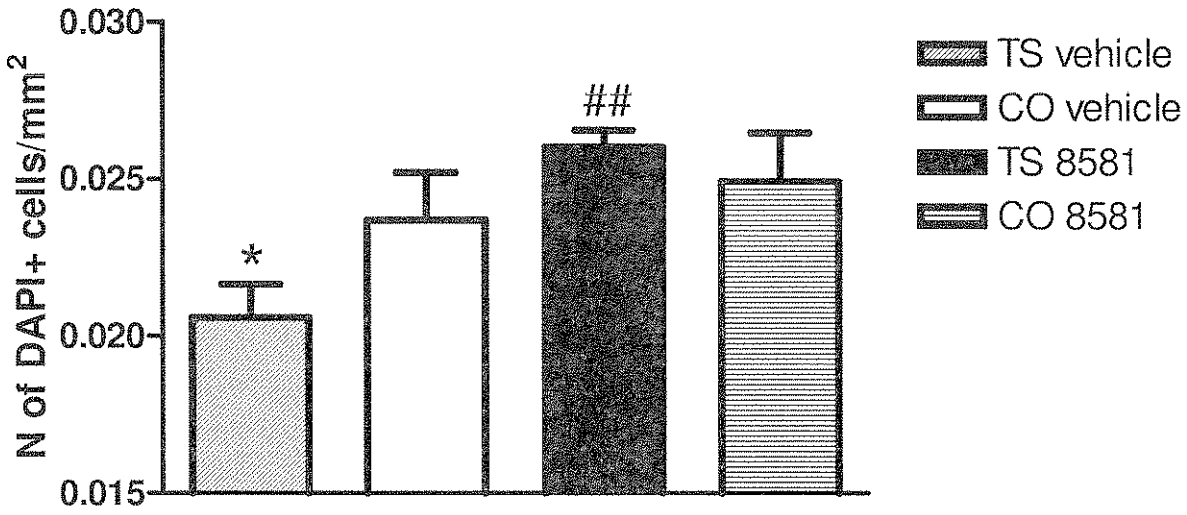
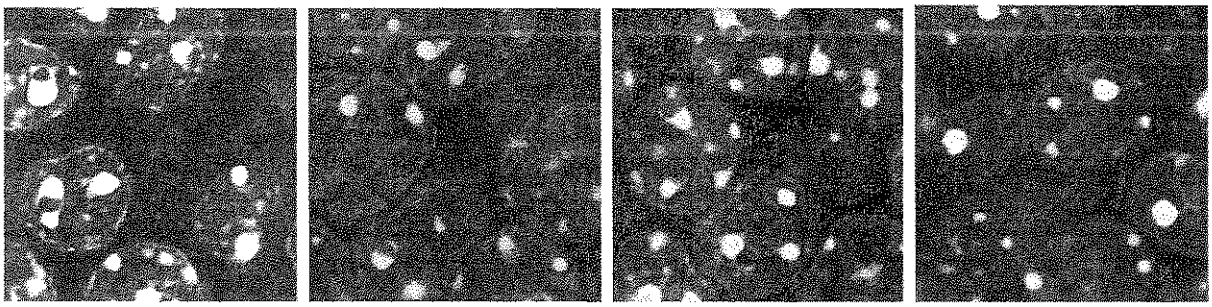

0.00020
0.00015
0.00010
0.00005
0.00000
N of Ki67+ cells/mm2
**
##
#
TS vehicle
CO vehicle
TS 8581
CO 8581

Figure 14.

(A)



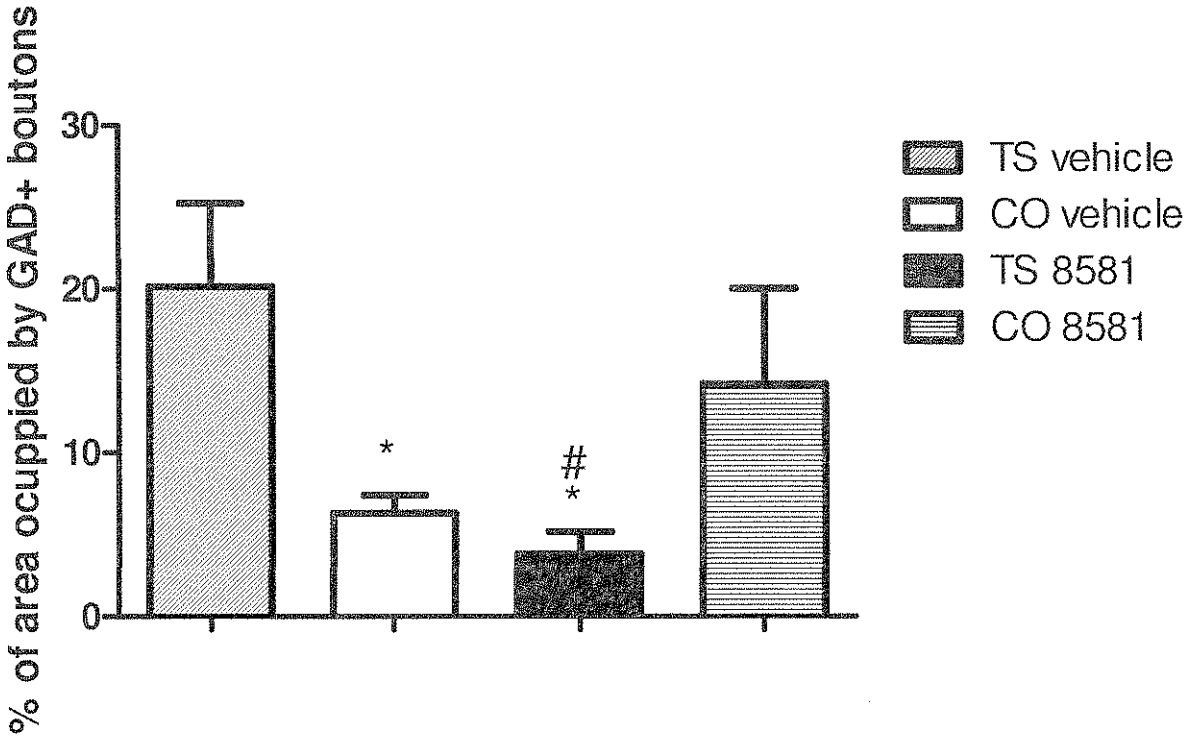
(B)



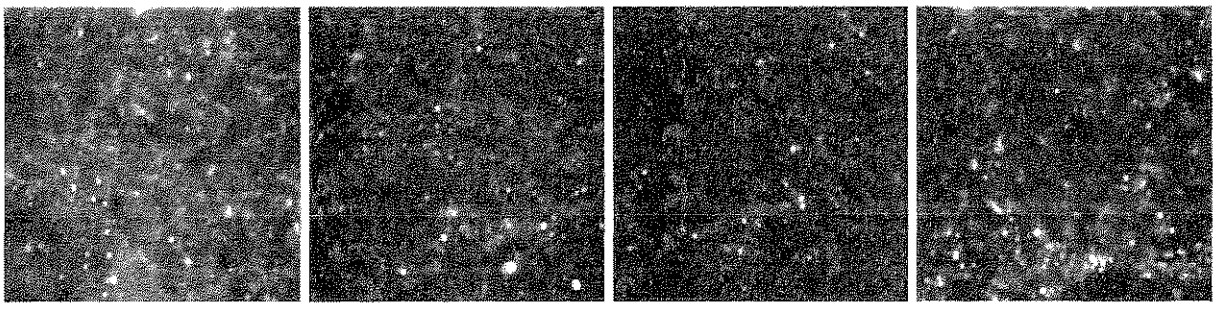
TS Vehicle CO Vehicle TS 8581 CO 8581

Figure 15.

(A)



(B)



TS Vehicle CO Vehicle TS 8581 CO 8581

Figure 16:

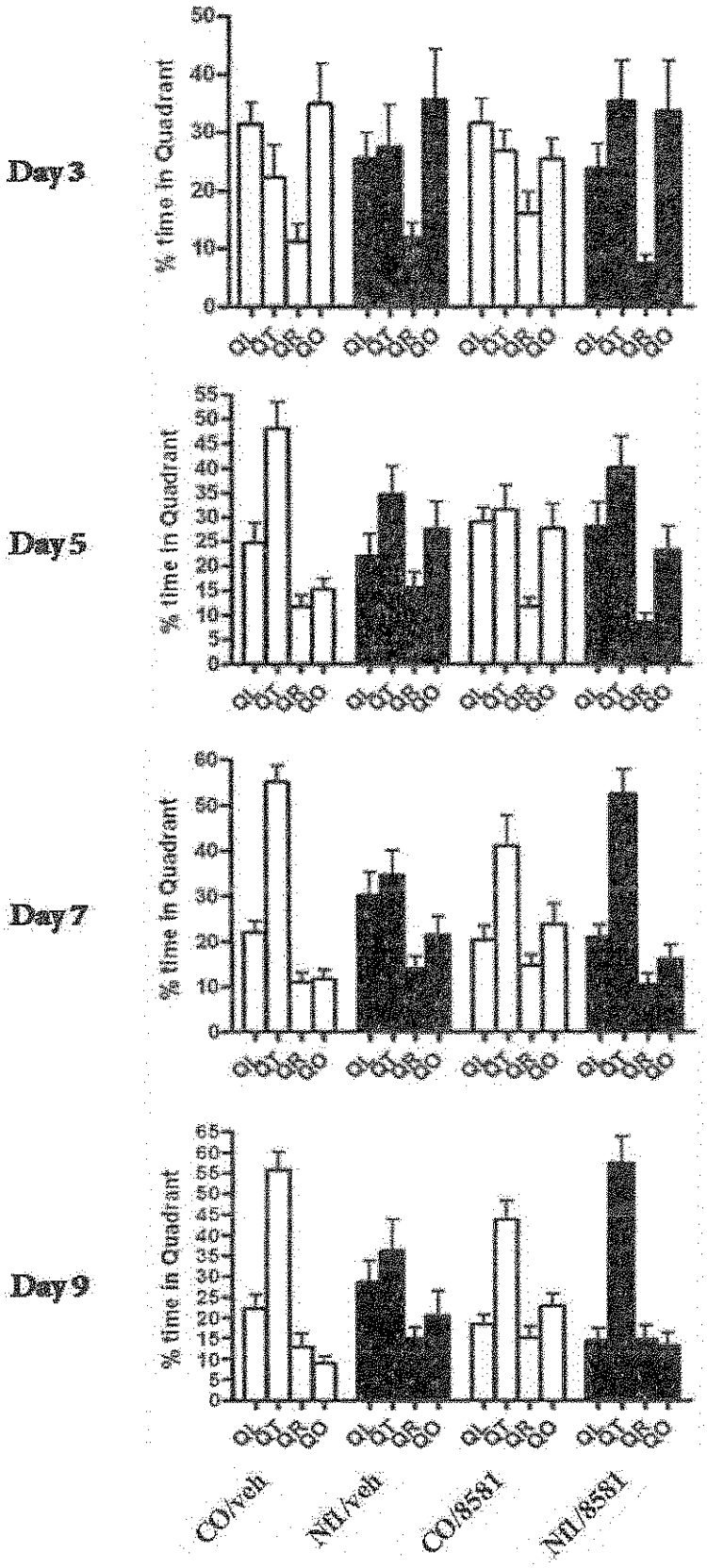

Day 3
Day 5
Day 7
Day 9
% time in Quadrant
CO/veh
NFI/veh
CO/8581
NFI/8581

Figure 17:

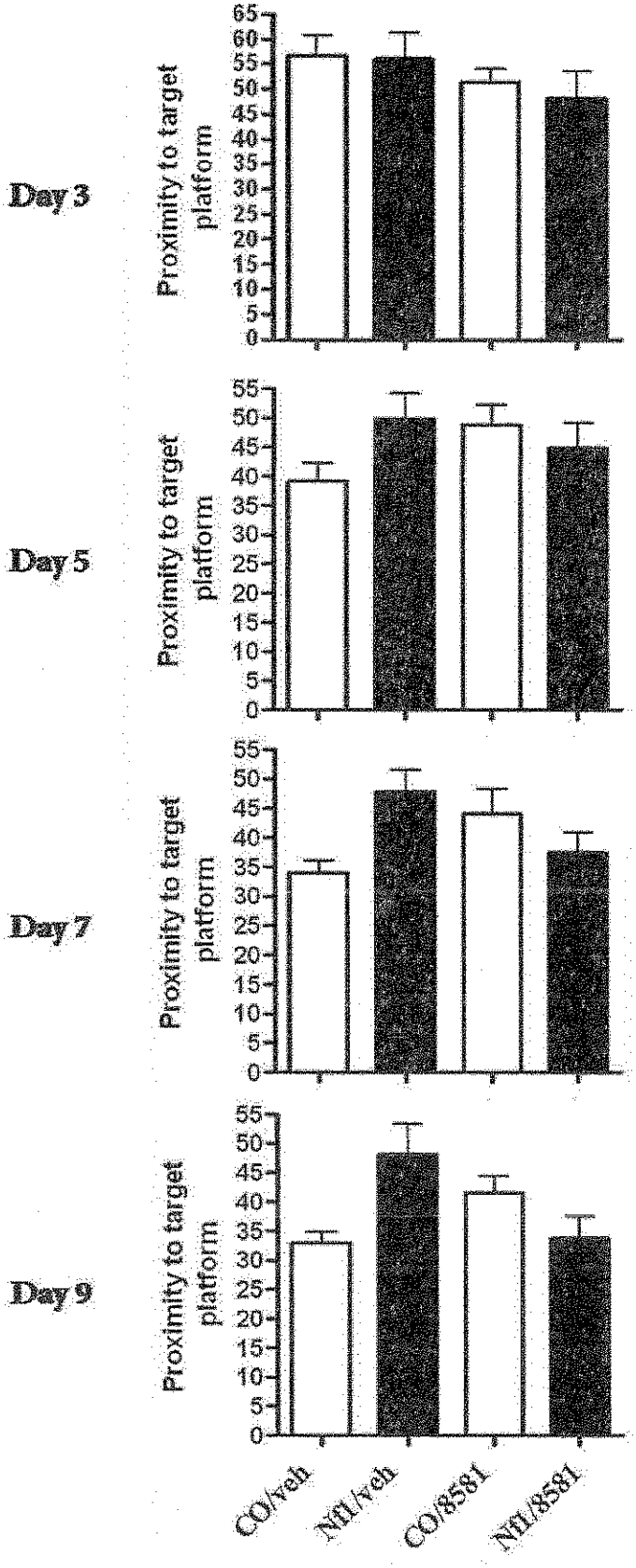

Day 3
Day 5
Day 7
Day 9
Proximity to target platform
CO/veh
NII/veh
CO/8581
NII/8581

Figure 18:

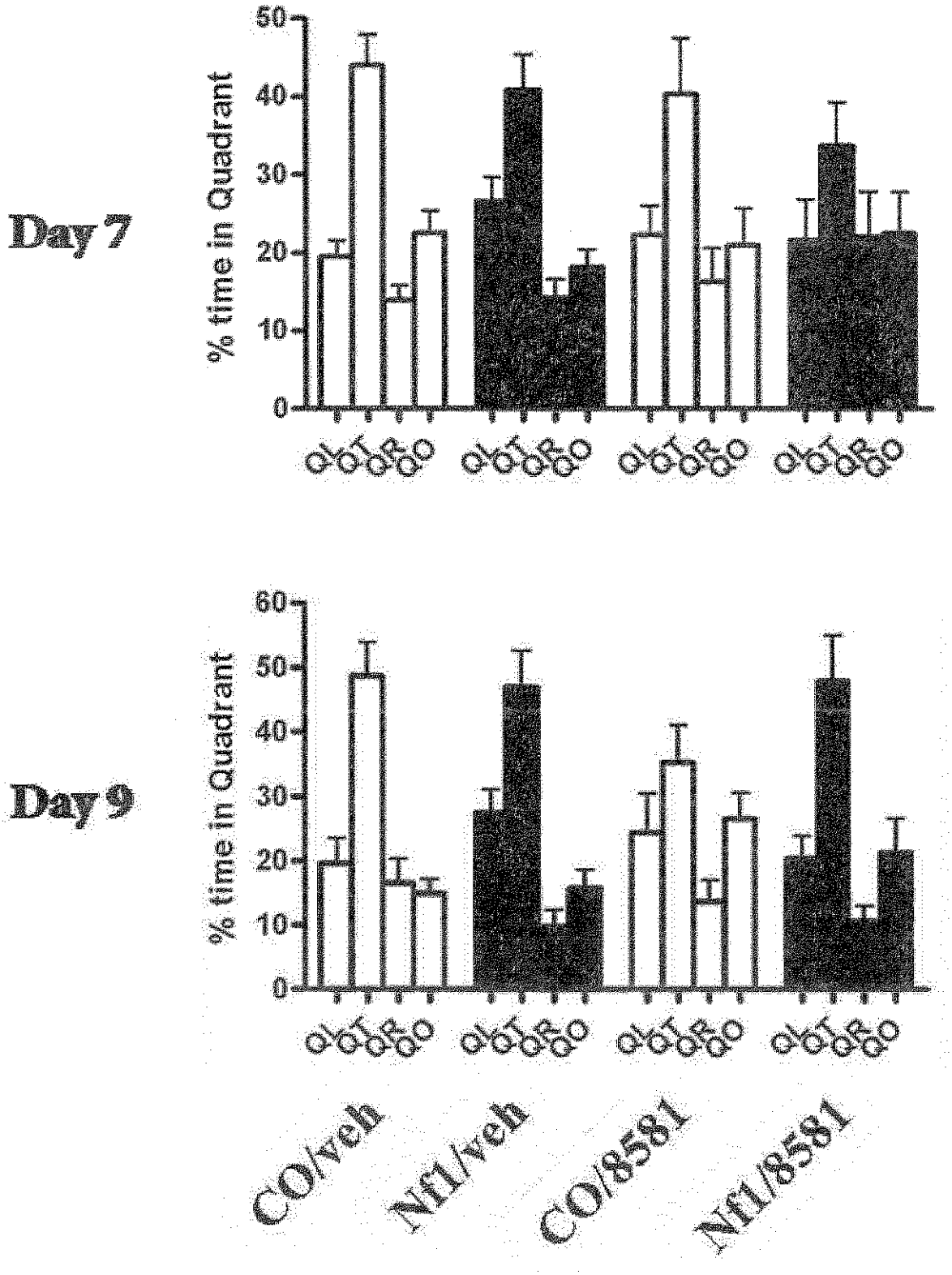

Day 7
Day 9
% time in Quadrant
0
10
20
30
40
50
60
CO/veh
Nf1/veh
CO/8581
Nf1/8581

Figure 19:

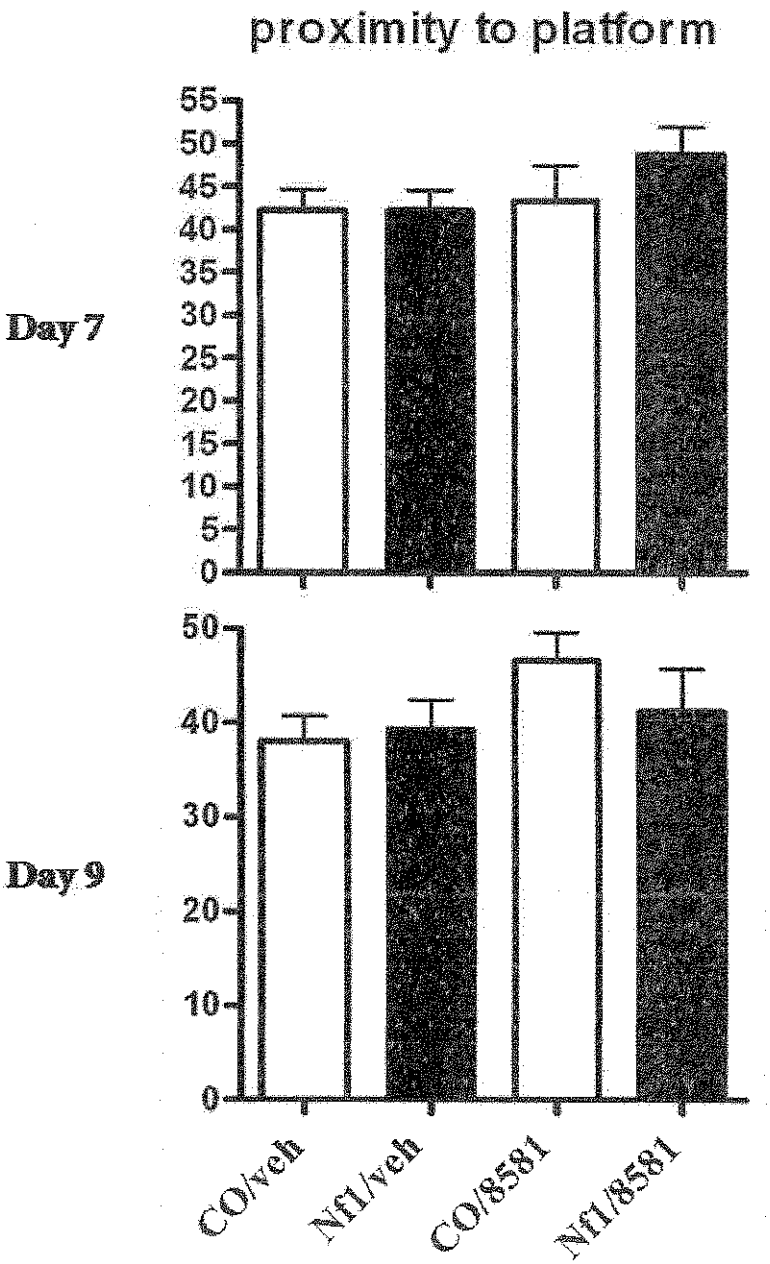

proximity to platform
Day 7
Day 9
55
50
45
40
35
30
25
20
15
10
5
0
50
40
30
20
10
0
CO/veh
Nf1/veh
CO/8581
Nf1/8581

Figure 20:

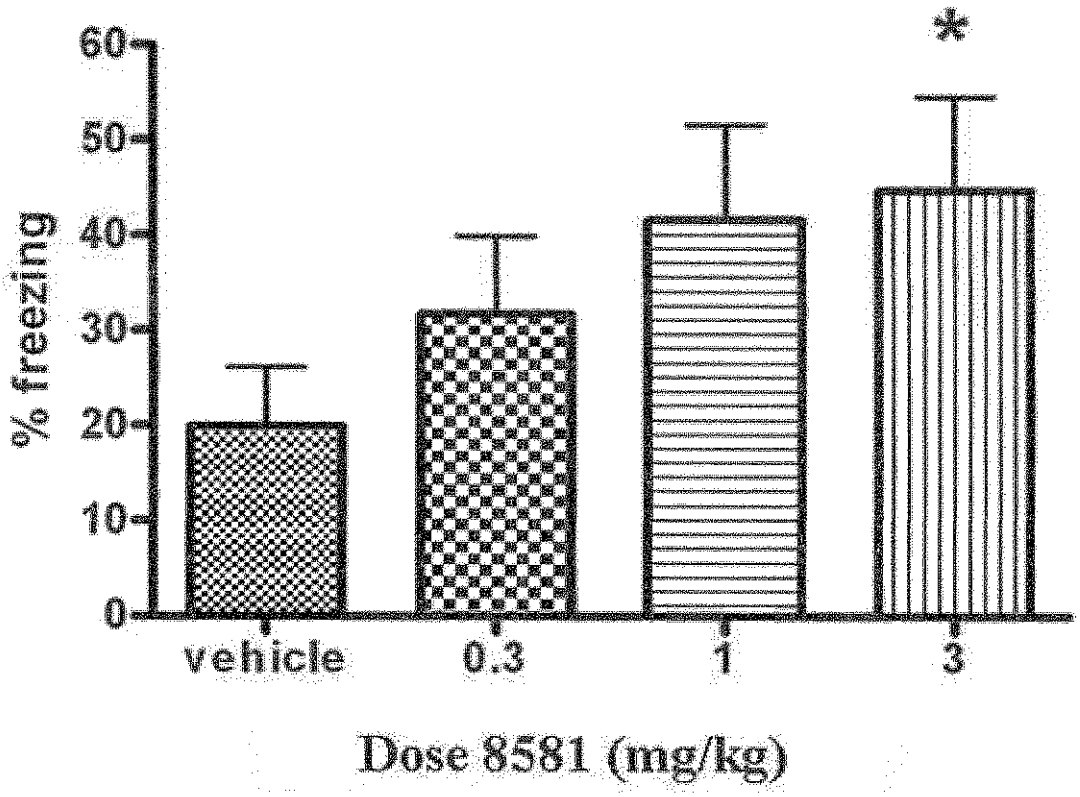


Figure 21:

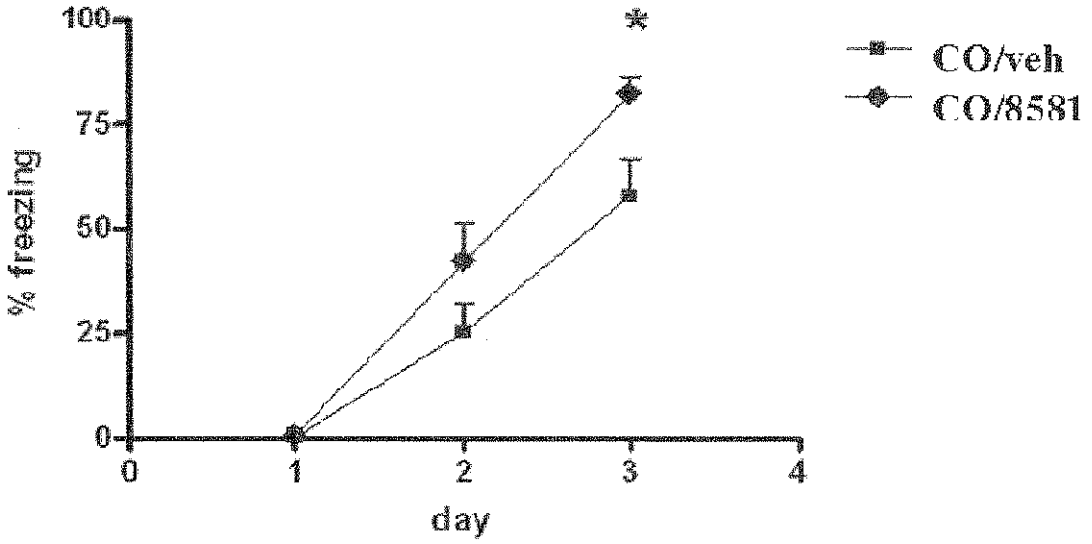


Figure 22:

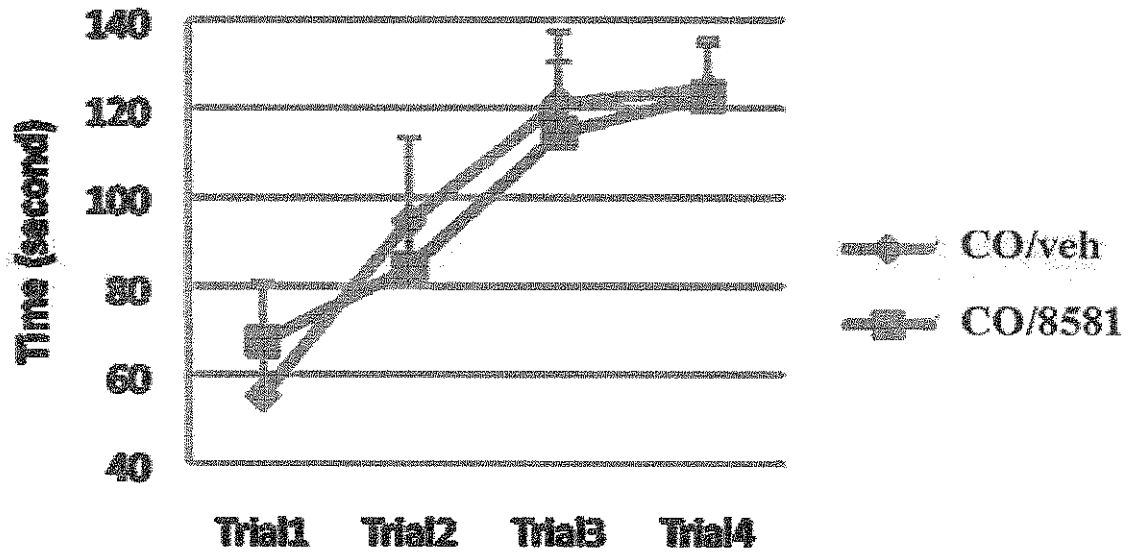
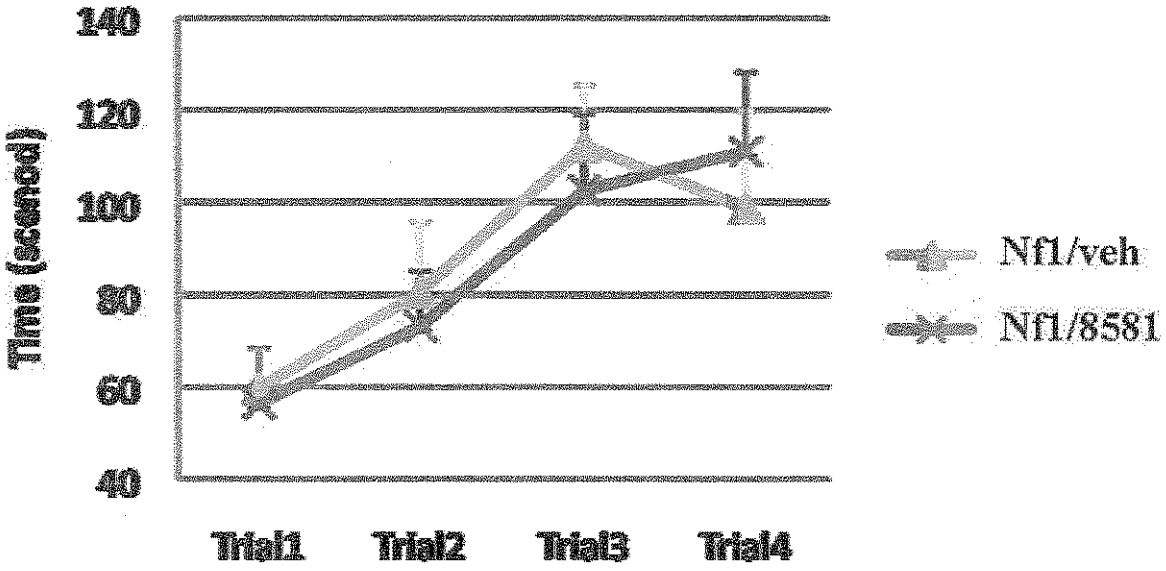

Time (second)
140
120
100
80
60
40
Trial1
Trial2
Trial3
Trial4
CO/veh
CO/8581

Figure 23:


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