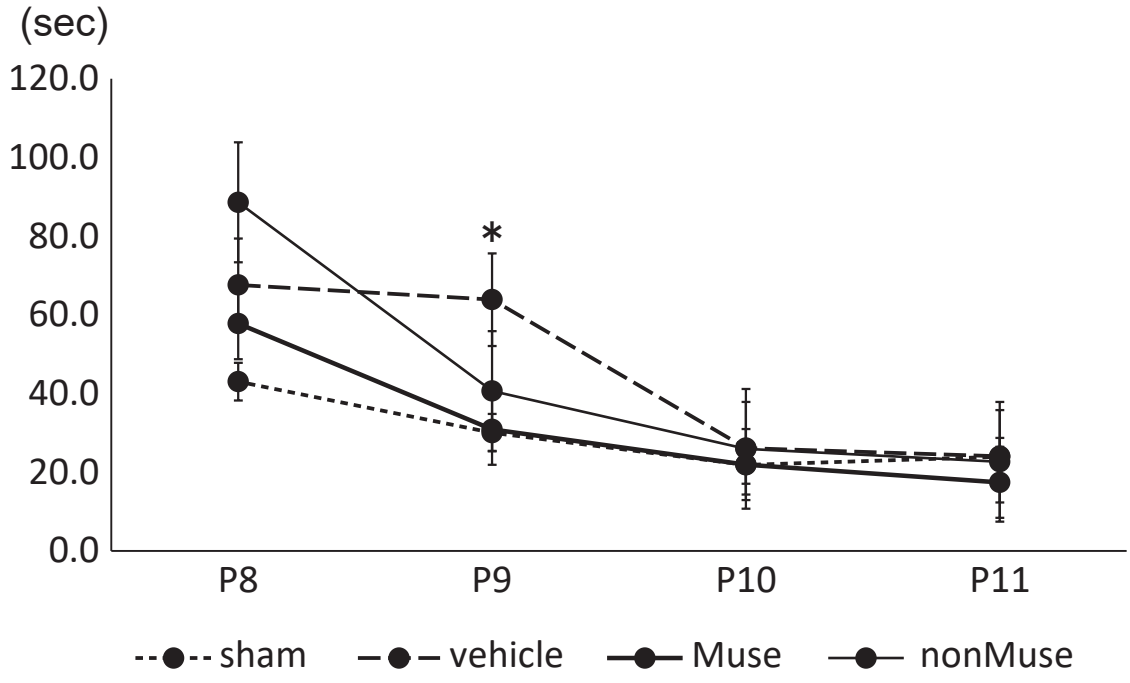
FIG. 1A



* sham vs vehicle p<0.01
Muse vs vehicle p<0.05

FIG. 1B

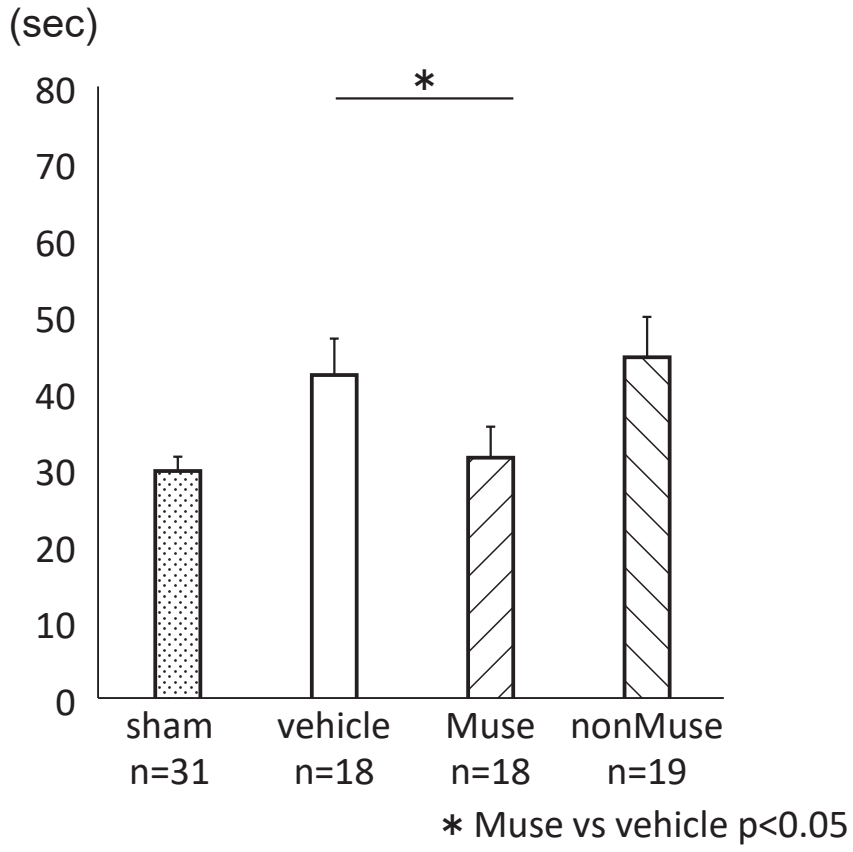

(sec)
80
70
60
50
40
30
20
10
0
*
sham
n=31
vehicle
n=18
Muse
n=18
nonMuse
n=19
* Muse vs vehicle p<0.05

FIG. 2

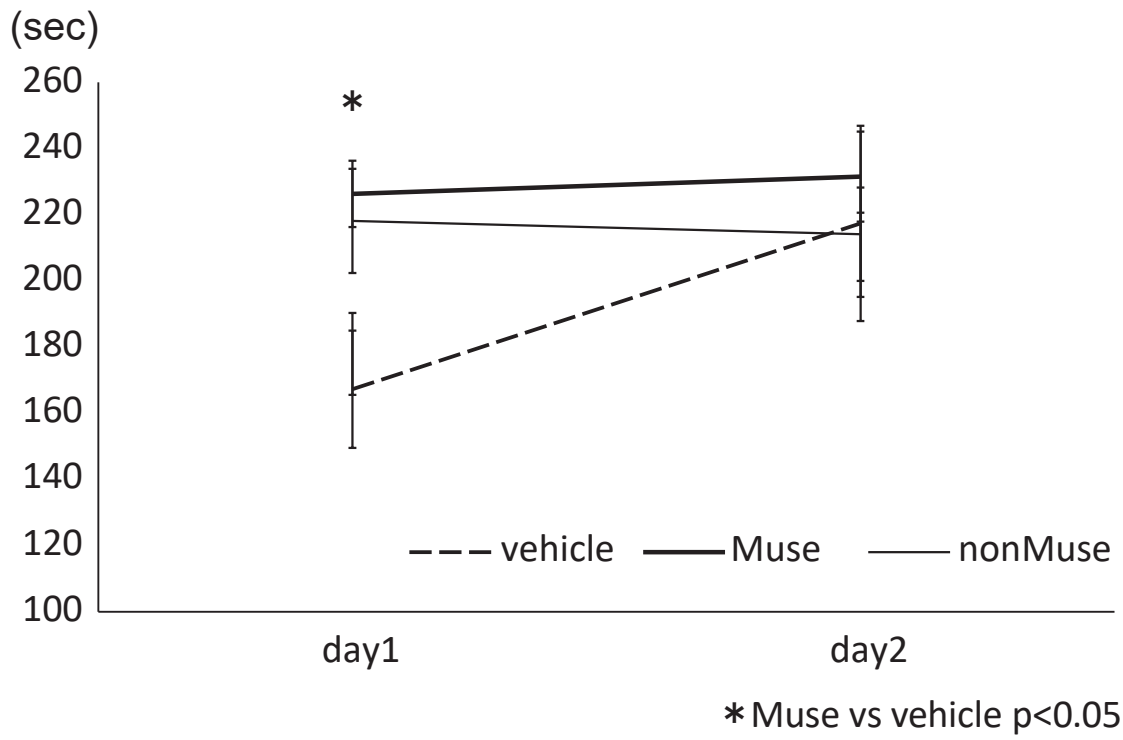

(sec)
260
240
220
200
180
160
140
120
100
*
vehicle
Muse
nonMuse
day1
day2
*Muse vs vehicle p<0.05

FIG. 3

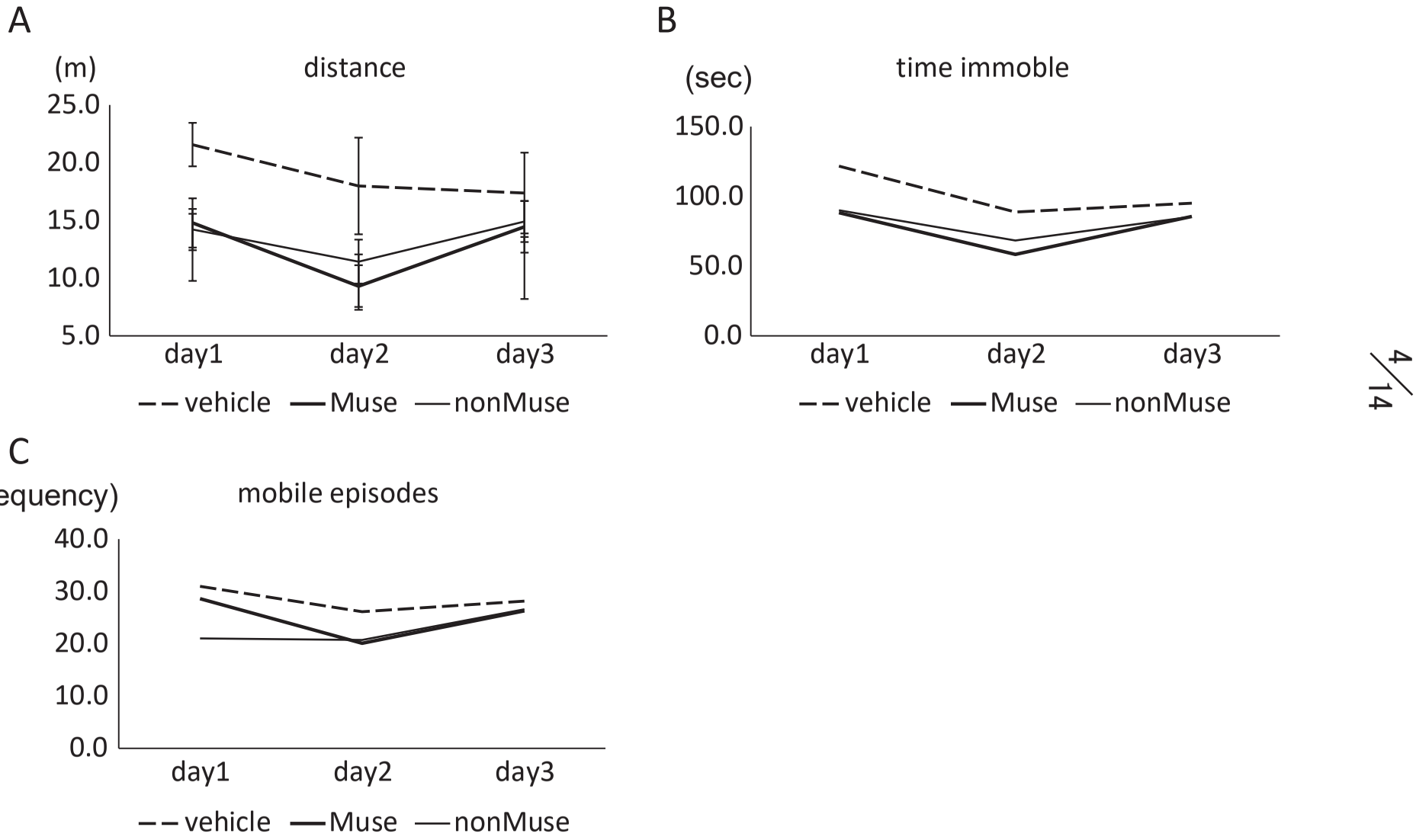
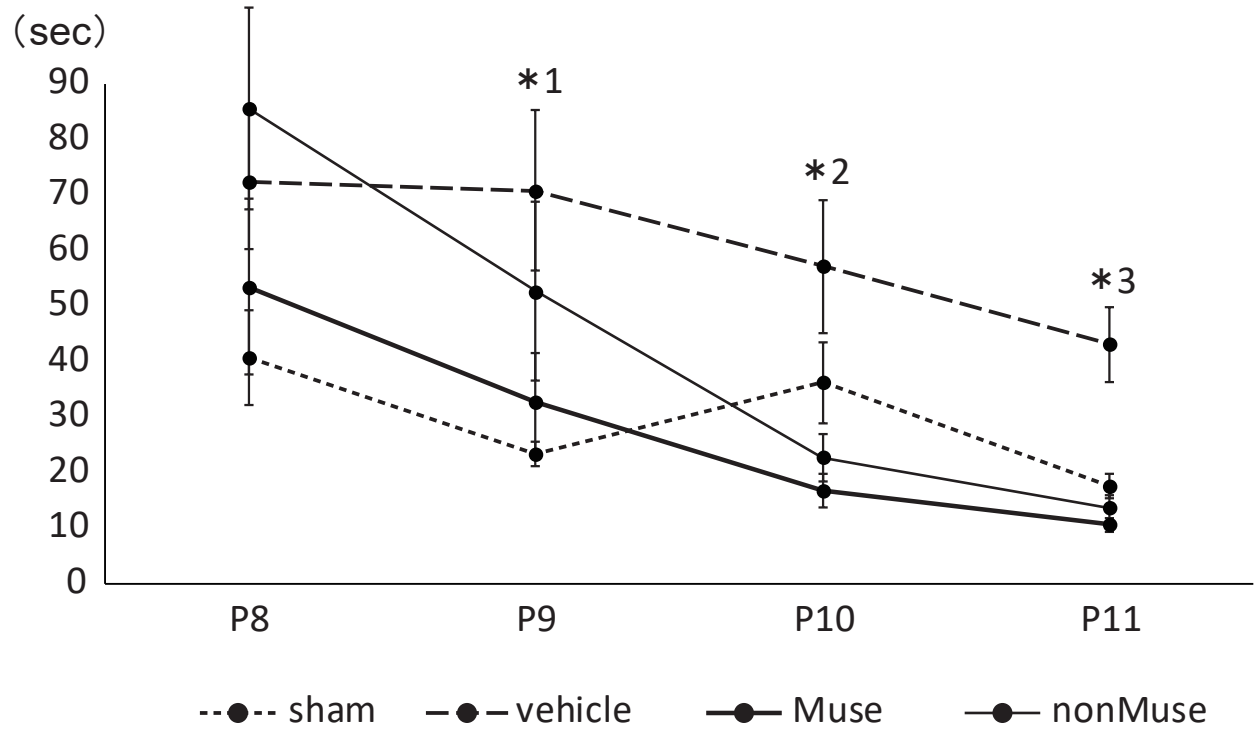

A
(m)
distance
25.0
20.0
15.0
10.0
5.0
day1
day2
day3
vehicle
Muse
nonMuse
B
(sec)
time immoble
150.0
100.0
50.0
0.0
day1
day2
day3
vehicle
Muse
nonMuse
C
(frequency)
mobile episodes
40.0
30.0
20.0
10.0
0.0
day1
day2
day3
vehicle
Muse
nonMuse

FIG. 4A



＊1 Muse vs vehicle p<0.05, sham vs vehicle p<0.01

＊2 Muse vs vehicle p<0.01

＊3 Muse vs vehicle p<0.0001, nonMuse vs vehicle p<0.001, sham vs vehicle p<0.01

FIG. 4B

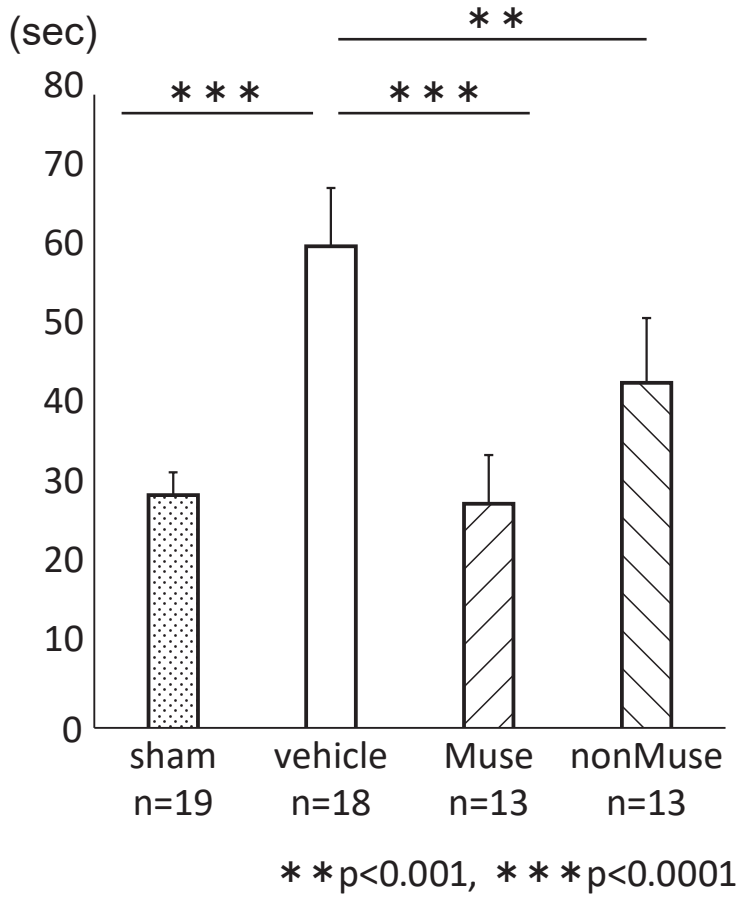
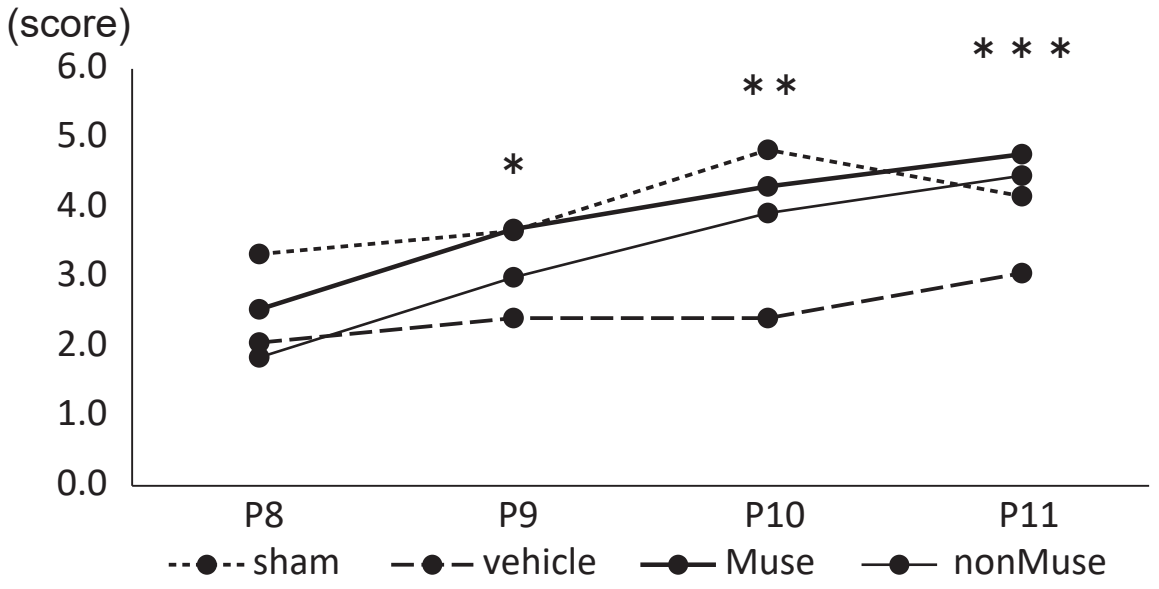
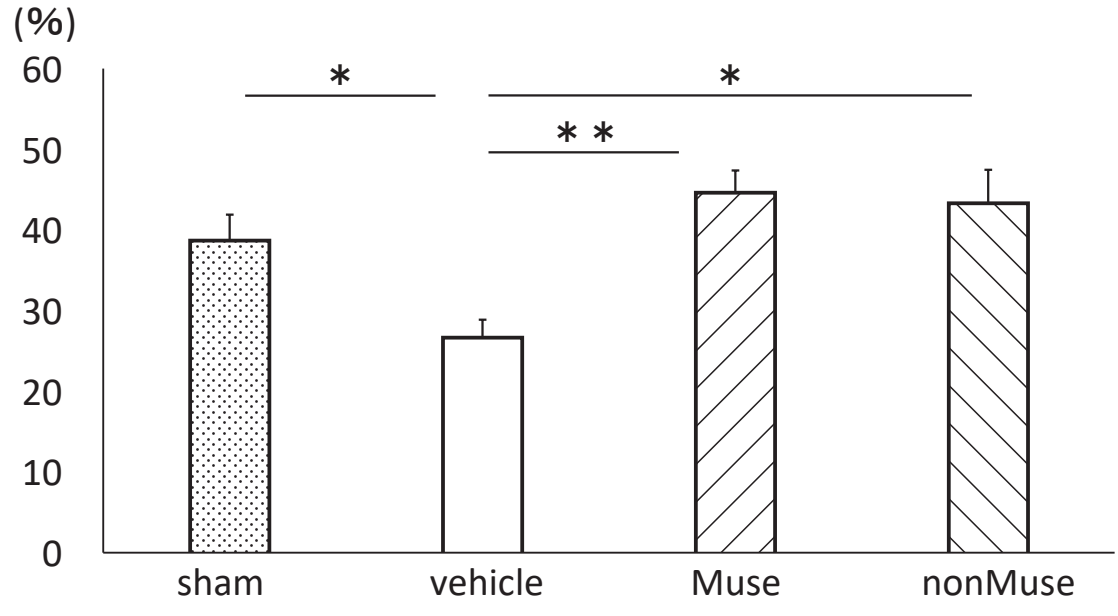

(sec)
80
70
60
50
40
30
20
10
0
＊＊
＊＊＊
＊＊＊
sham
n=19
vehicle
n=18
Muse
n=13
nonMuse
n=13
＊＊p<0.001, ＊＊＊p<0.0001

FIG. 5



＊Muse vs vehicle p<0.05
＊＊Muse vs vehicle p<0.001 nonMuse vs vehicle p<0.01 sham vs vehicle p<0.001
＊＊＊Muse vs vehicle p<0.0001 nonMuse vs vehicle p<0.001 sham vs vehicle p<0.05

FIG. 6



＊＊Muse vs vehicle p<0.01,
＊non Muse vs vehicle p<0.05, sham vs vehicle p<0.05

FIG. 7

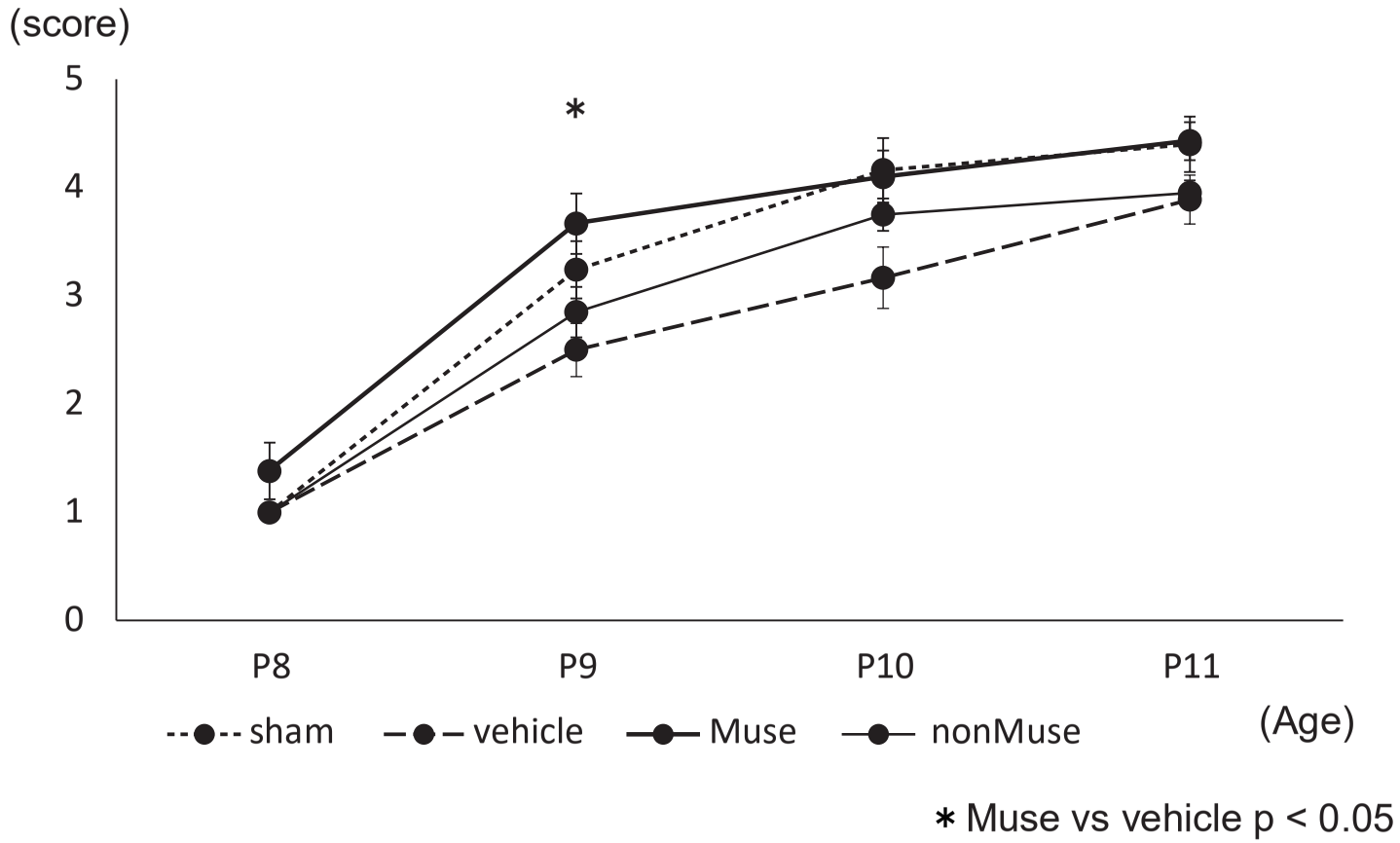
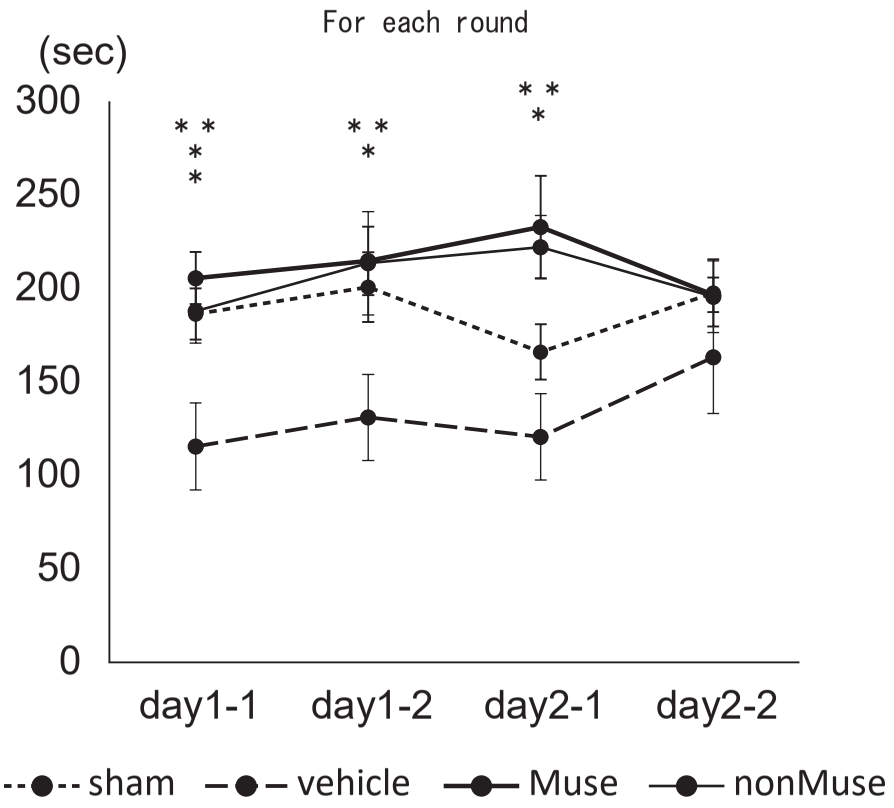
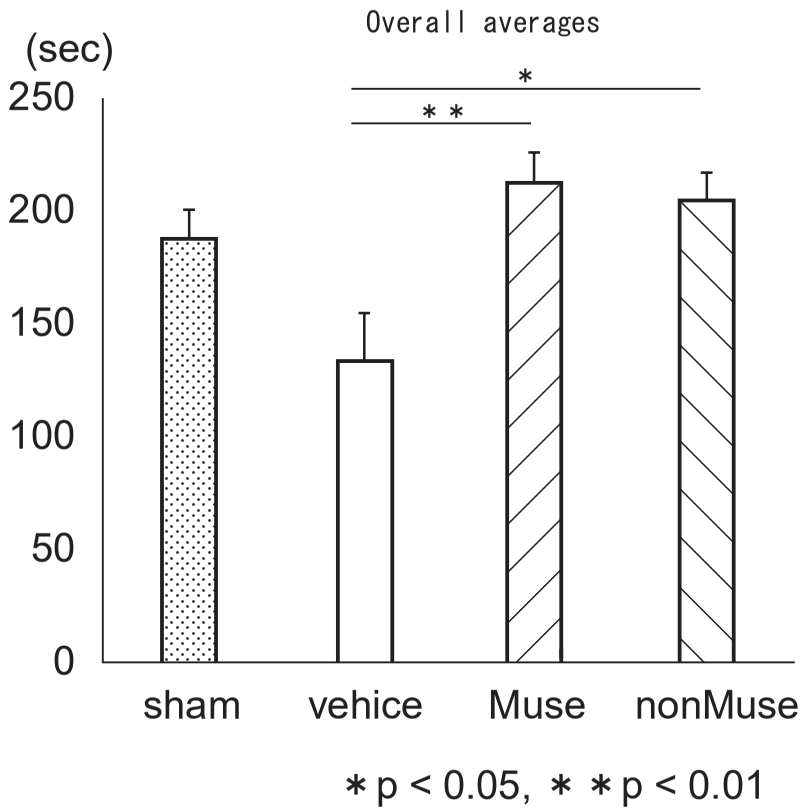

(score)
5
4
3
2
1
0
*
P8
P9
P10
P11
(Age)
sham
vehicle
Muse
nonMuse
* Muse vs vehicle p < 0.05

FIG. 8





Day1-1:Muse vs vehicle p<0.01, sham vs vehicle p<0.05, nonMuse vs vehicle p<0.05

Day1-2:Muse vs vehicle p<0.01, nonMuse vs vehile p<0.05

Day2-1:Muse vs vehicle p<0.01, nonMuse vs vehile p<0.05

FIG. 9

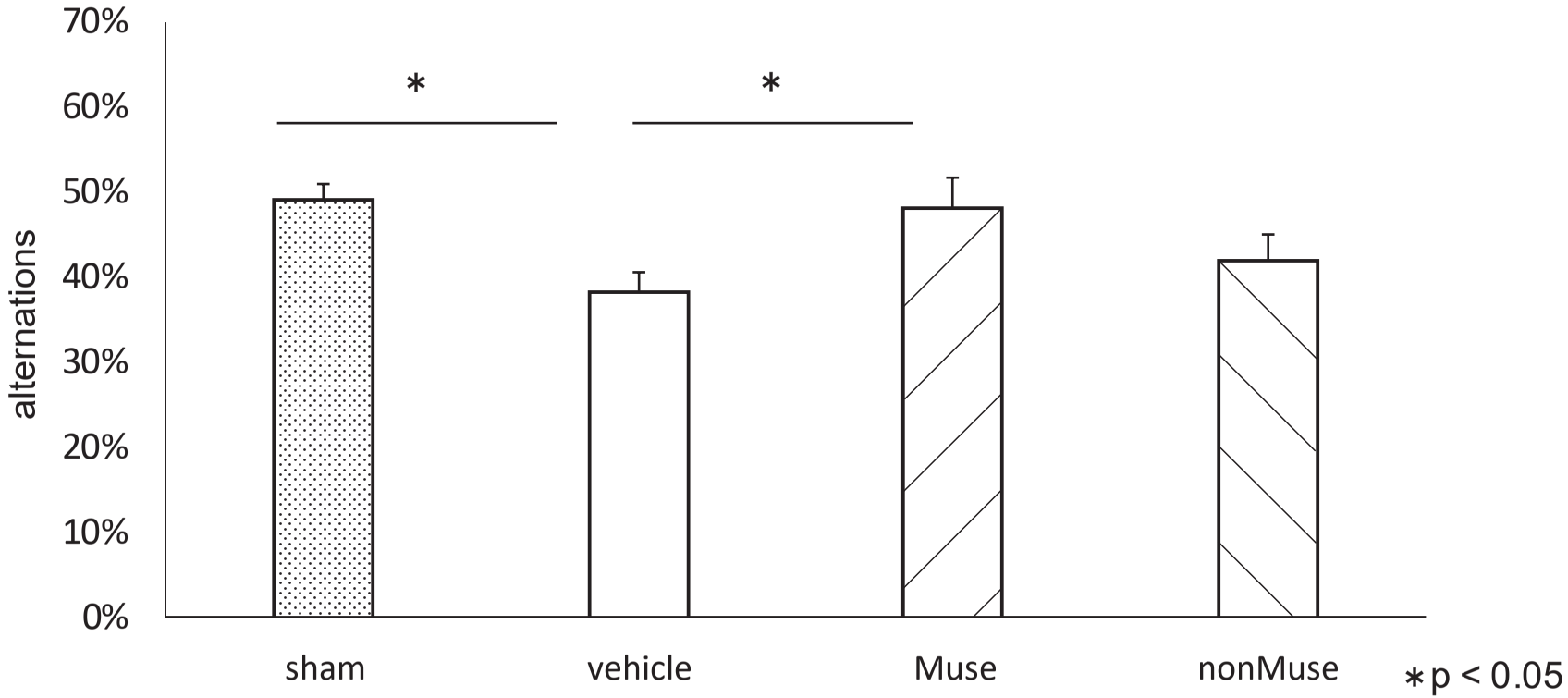
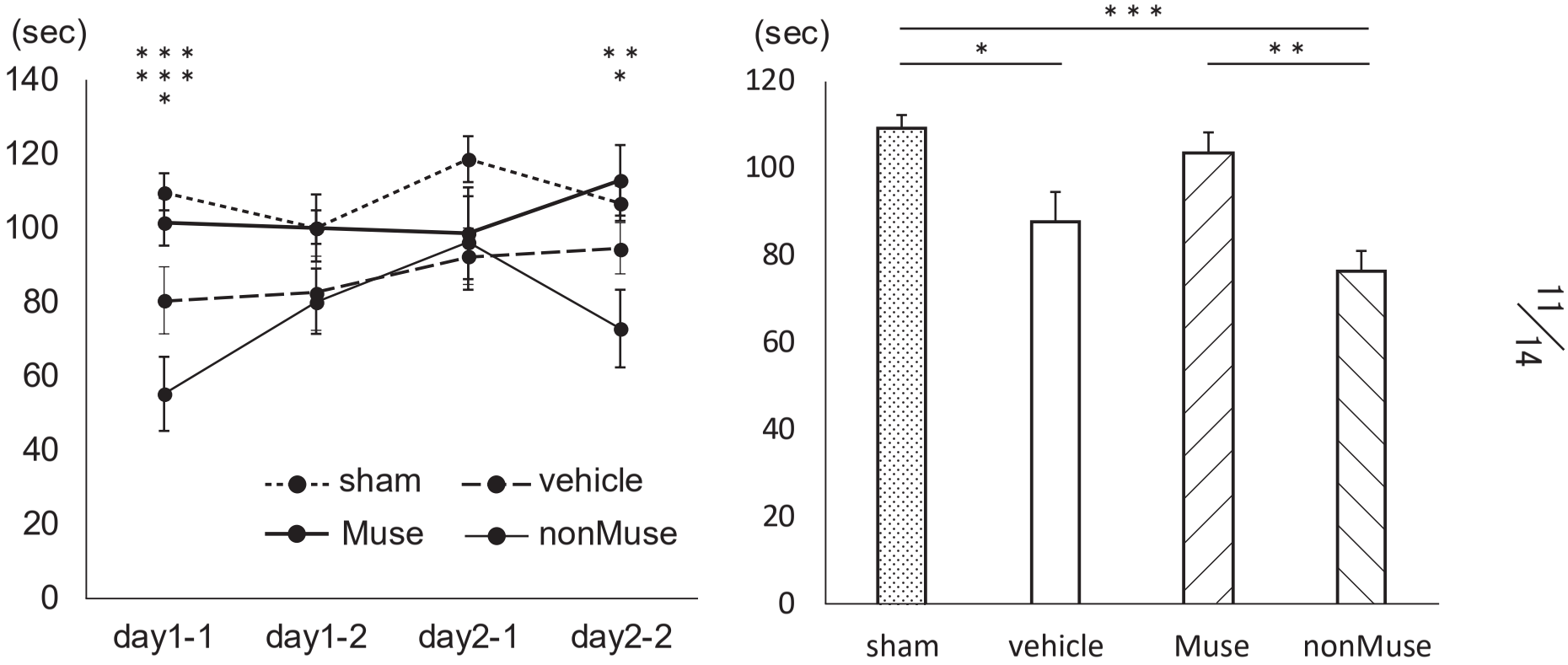

70%
60%
50%
40%
30%
20%
10%
0%
alternations
*
*
sham
vehicle
Muse
nonMuse
*p < 0.05

FIG. 10

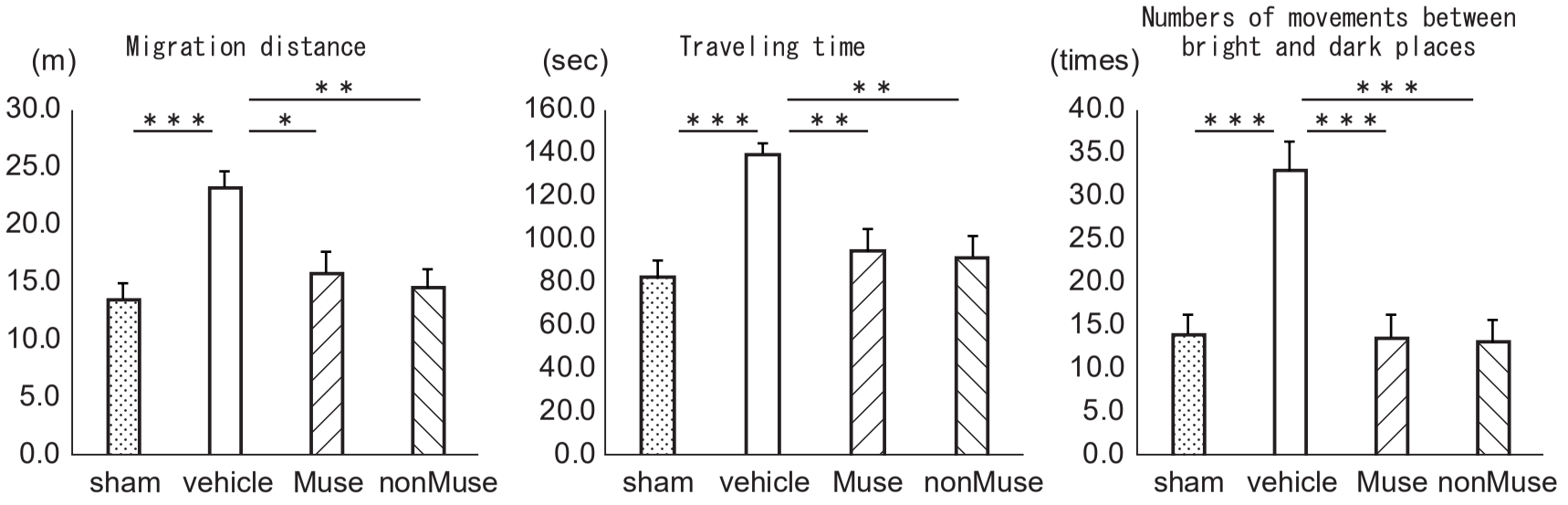


Day1-1:Muse vs nonMuse p<0.001, sham vs nonMuse p<0.001, sham vs vehicle p<0.05

Day2-2:Muse vs nonMuse p<0.01, sham vs nonMuse p<0.05

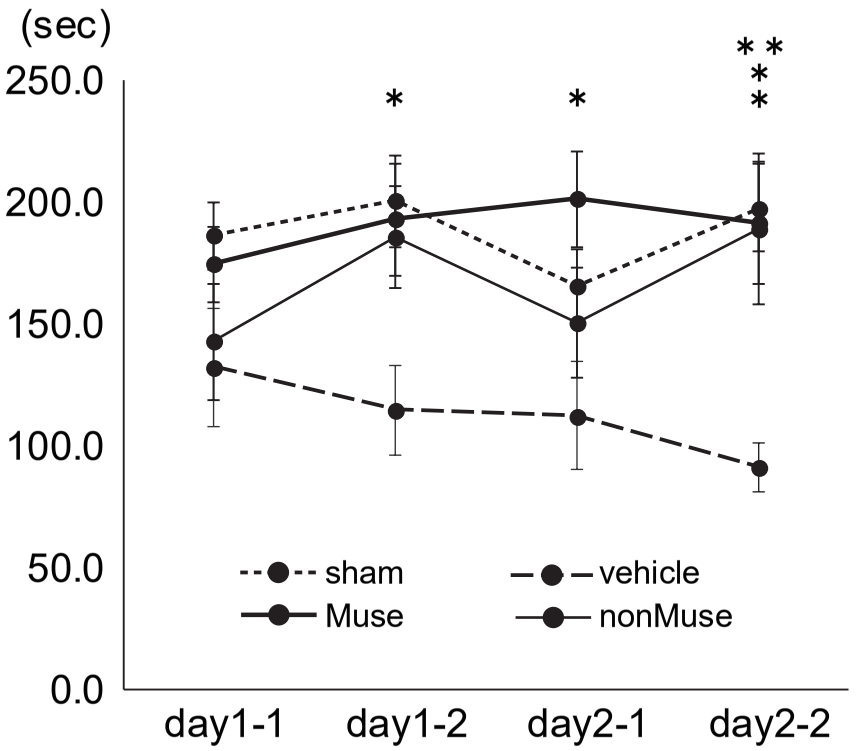
＊p < 0.05, ＊＊＊p < 0.01, ＊＊＊p < 0.001

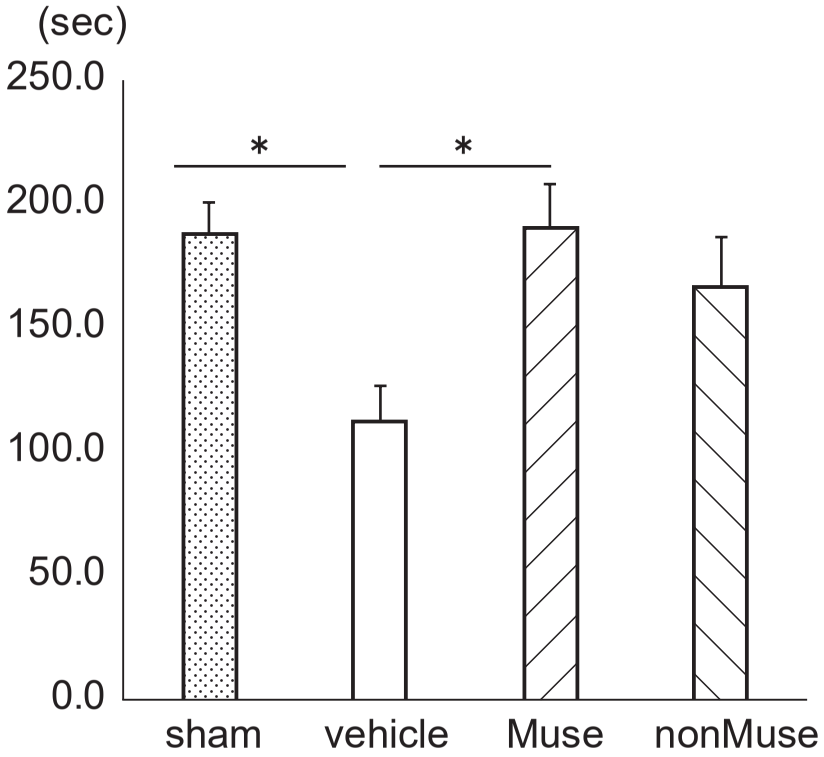
FIG. 11



＊p < 0.05, ＊＊＊p < 0.01, ＊＊＊p < 0.001

FIG. 12

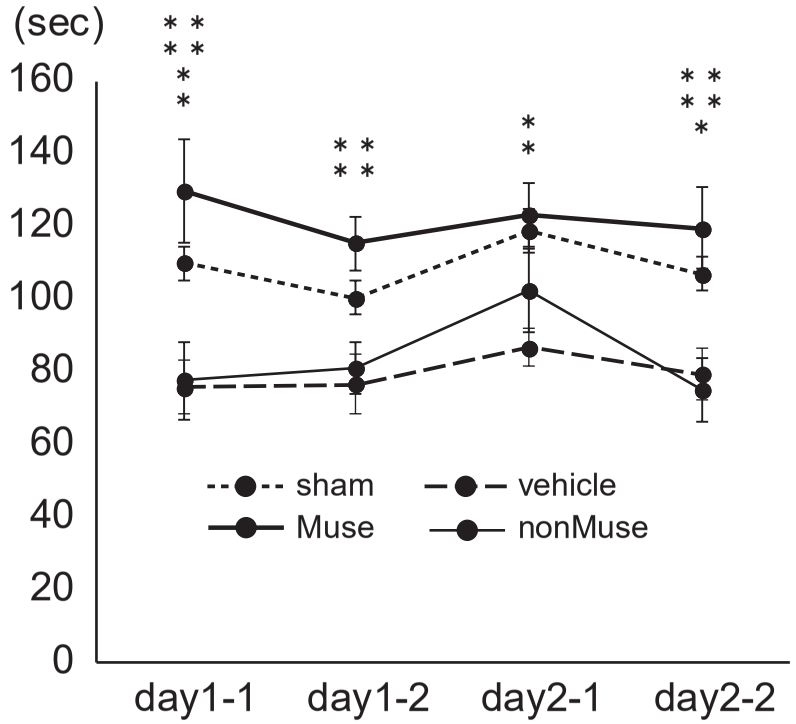


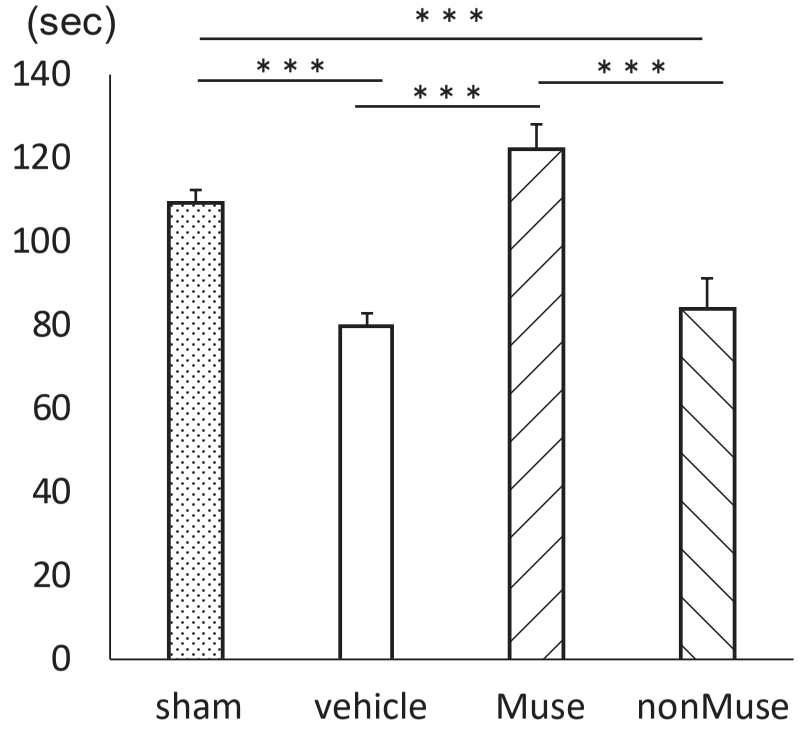


Day1-2:sham vs vehicle $p<0.05$
Day2-1:Muse vs vehicle $p<0.05$
Day2-2:sham vs vehicle $p<0.01$, Muse vs vehicle $p<0.05$,
nonMuse vs vehicle $p<0.05$

* $p < 0.05$

FIG. 13





day1-1 ＊＊Muse vs nonMuse p < 0.01,＊＊Muse vs vehicle p < 0.01
＊sham vs non Muse p < 0.05,＊sham vs vehicle p < 0.05
day1-2 ＊＊Muse vs nonMuse p < 0.01,＊＊Muse vs vehicle p < 0.01
day2-1 ＊Muse vs vehicle p < 0.05,＊＊sham vs vehicle p < 0.05
day2-2 ＊＊Muse vs nonMuse p < 0.01,＊＊Muse vs vehicle p < 0.01
＊sham vs non Muse p < 0.05

＊＊＊p < 0.001