Human Aβ: Asp- Ala- Glu- Phe- Arg- His- Asp- Ser- Gly- Tyr- Glu- Val- His-His- Gln
Mouse A β: Asp- Ala- Glu- Phe- Gly- His- Asp- Ser- Gly- Phe- Glu- Val- Arg- His- Gln

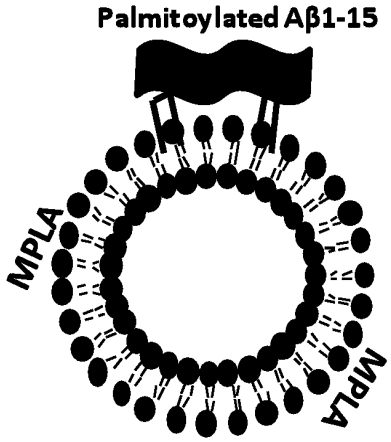


Figure 1

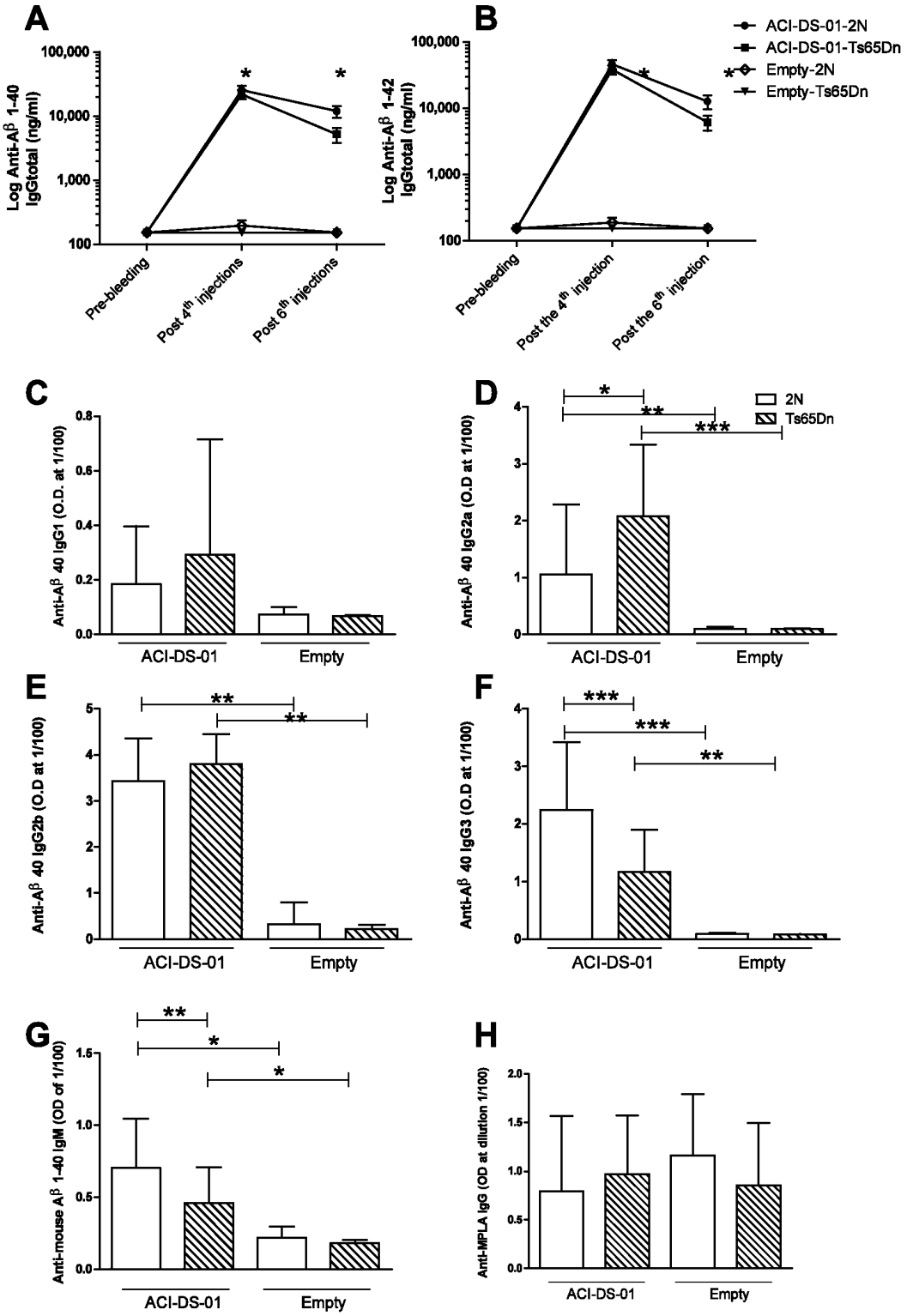

A
B
ACI-DS-01-2N
ACI-DS-01-Ts65Dn
Empty-2N
Empty-Ts65Dn
Log Anti-Aβ 1-40 IgGtotal (ng/ml)
Log Anti-Aβ 1-42 IgGtotal (ng/ml)
100,000
10,000
1,000
100
Pre-bleeding
Post 4th injections
Post 6th injections
Post the 4th injection
Post the 6th injection
C
D
2N
Ts65Dn
Anti-Aβ 40 IgG1 (O.D. at 1/100)
Anti-Aβ 40 IgG2a (O.D at 1/100)
ACI-DS-01
Empty
E
F
Anti-Aβ 40 IgG2b (O.D at 1/100)
Anti-Aβ 40 IgG3 (O.D at 1/100)
G
H
Anti-mouse Aβ 1-40 IgM (OD of 1/100)
Anti-MPLA IgG (OD at dilution 1/100)

Figure 2

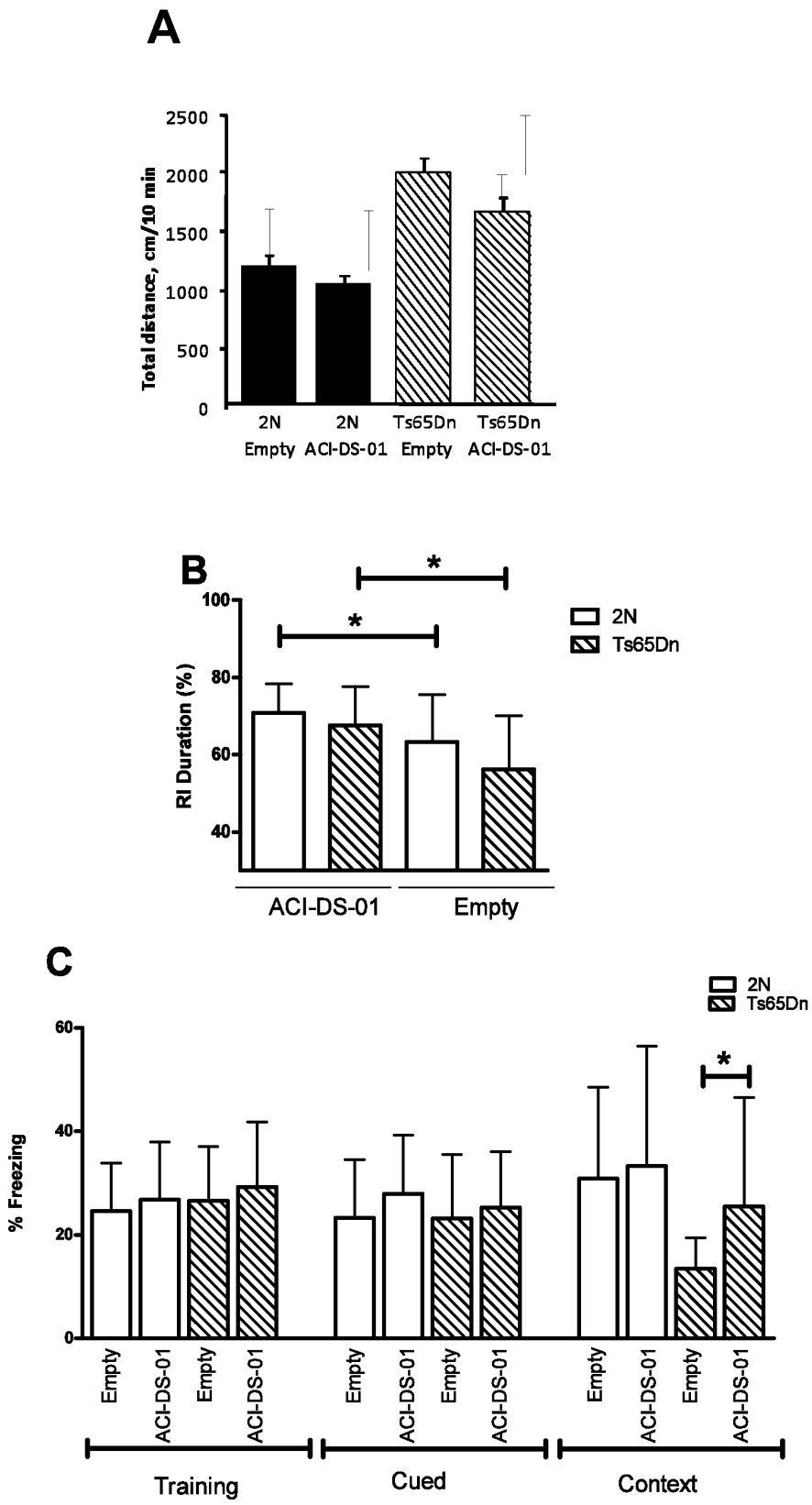

A
Total distance, cm/10 min
2500
2000
1500
1000
500
0
2N Empty
2N ACI-DS-01
Ts65Dn Empty
Ts65Dn ACI-DS-01
B
RI Duration (%)
100
80
60
40
*
*
2N
Ts65Dn
ACI-DS-01
Empty
C
% Freezing
60
40
20
0
2N
Ts65Dn
*
Empty
ACI-DS-01
Empty
ACI-DS-01
Training
Cued
Context

Figure 3

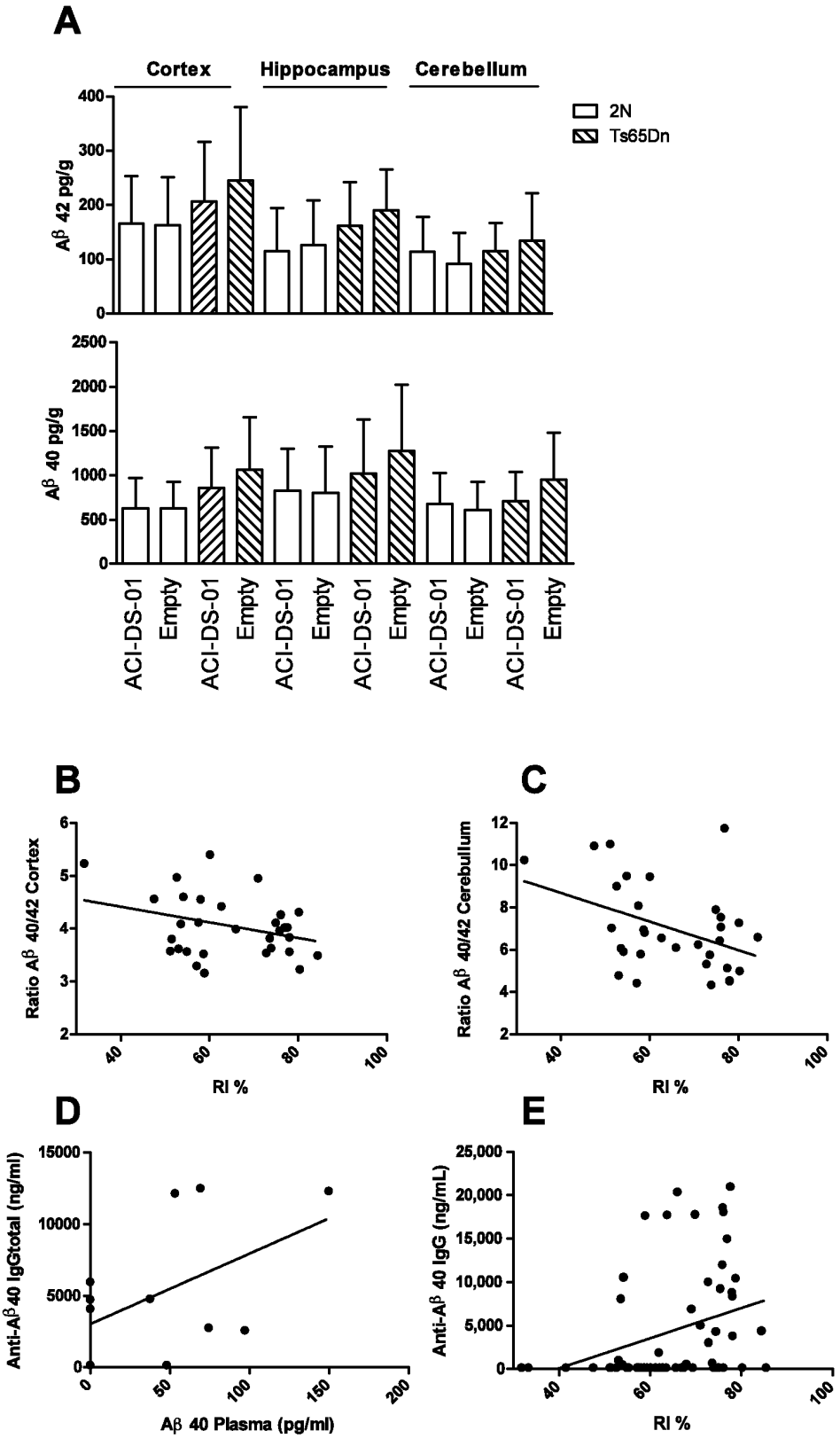

A
Cortex
Hippocampus
Cerebellum
2N
Ts65Dn
Aβ 42 pg/g
Aβ 40 pg/g
ACI-DS-01
Empty
B
Ratio Aβ 40/42 Cortex
RI %
C
Ratio Aβ 40/42 Cerebellum
RI %
D
Anti-Aβ40 IgGtotal (ng/ml)
Aβ 40 Plasma (pg/ml)
E
Anti-Aβ 40 IgG (ng/mL)
RI %

Figure 4

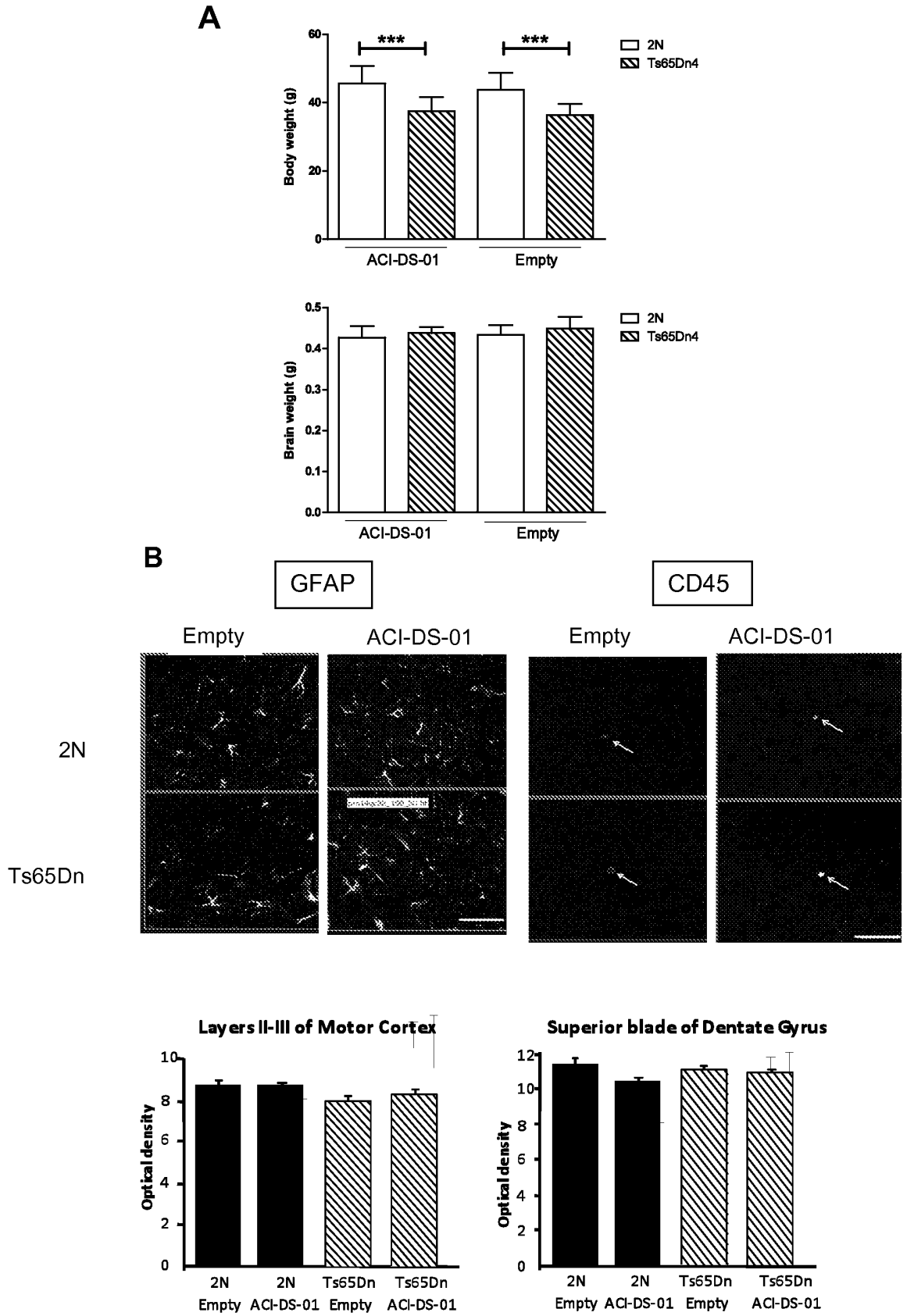

A
***
***
2N
Ts65Dn4
Body weight (g)
60
40
20
0
ACI-DS-01
Empty
Brain weight (g)
0.5
0.4
0.3
0.2
0.1
0.0
B
GFAP
CD45
Empty
ACI-DS-01
2N
Ts65Dn
Layers II-III of Motor Cortex
Superior blade of Dentate Gyrus
Optical density
2N Empty
2N ACI-DS-01
Ts65Dn Empty
Ts65Dn ACI-DS-01

Figure 5

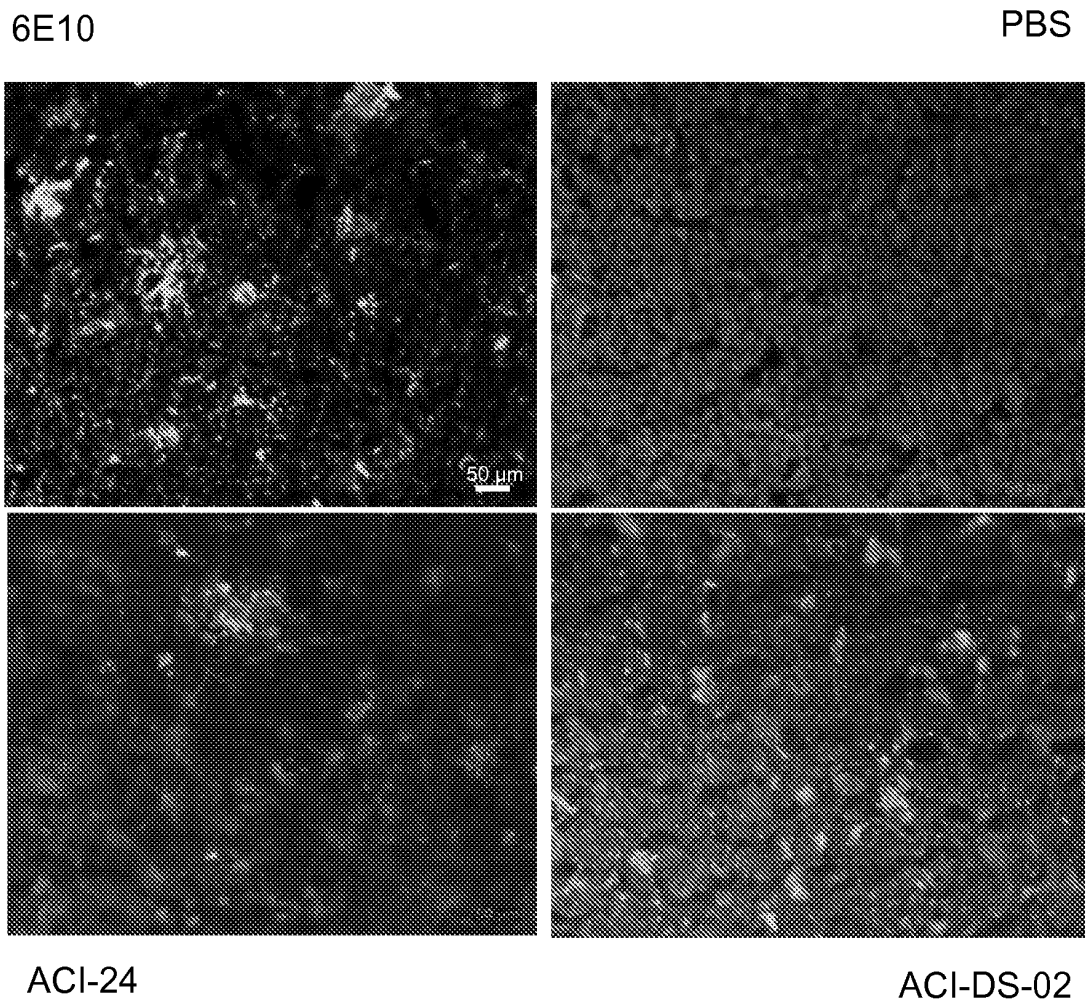


Figure 6

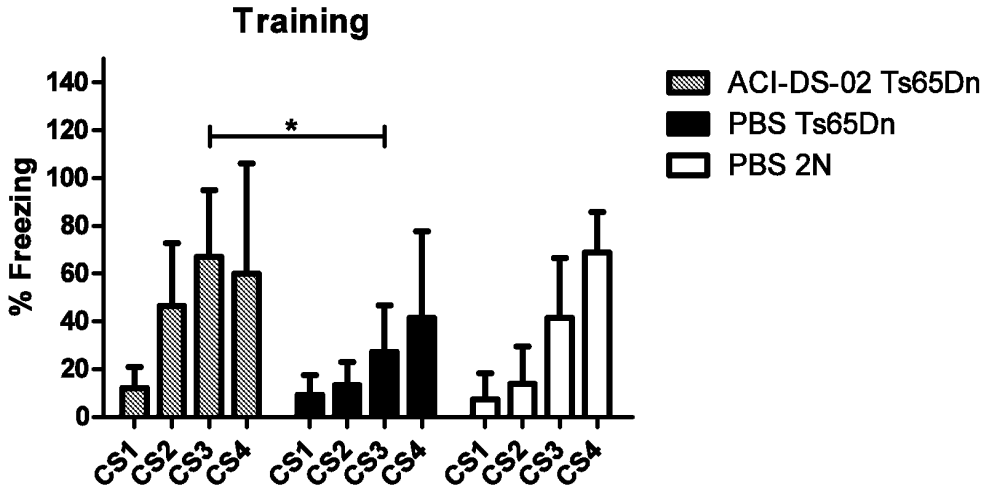

Training
% Freezing
140
120
100
80
60
40
20
0
*
CS1 CS2 CS3 CS4 CS1 CS2 CS3 CS4 CS1 CS2 CS3 CS4
ACI-DS-02 Ts65Dn
PBS Ts65Dn
PBS 2N

Figure 7

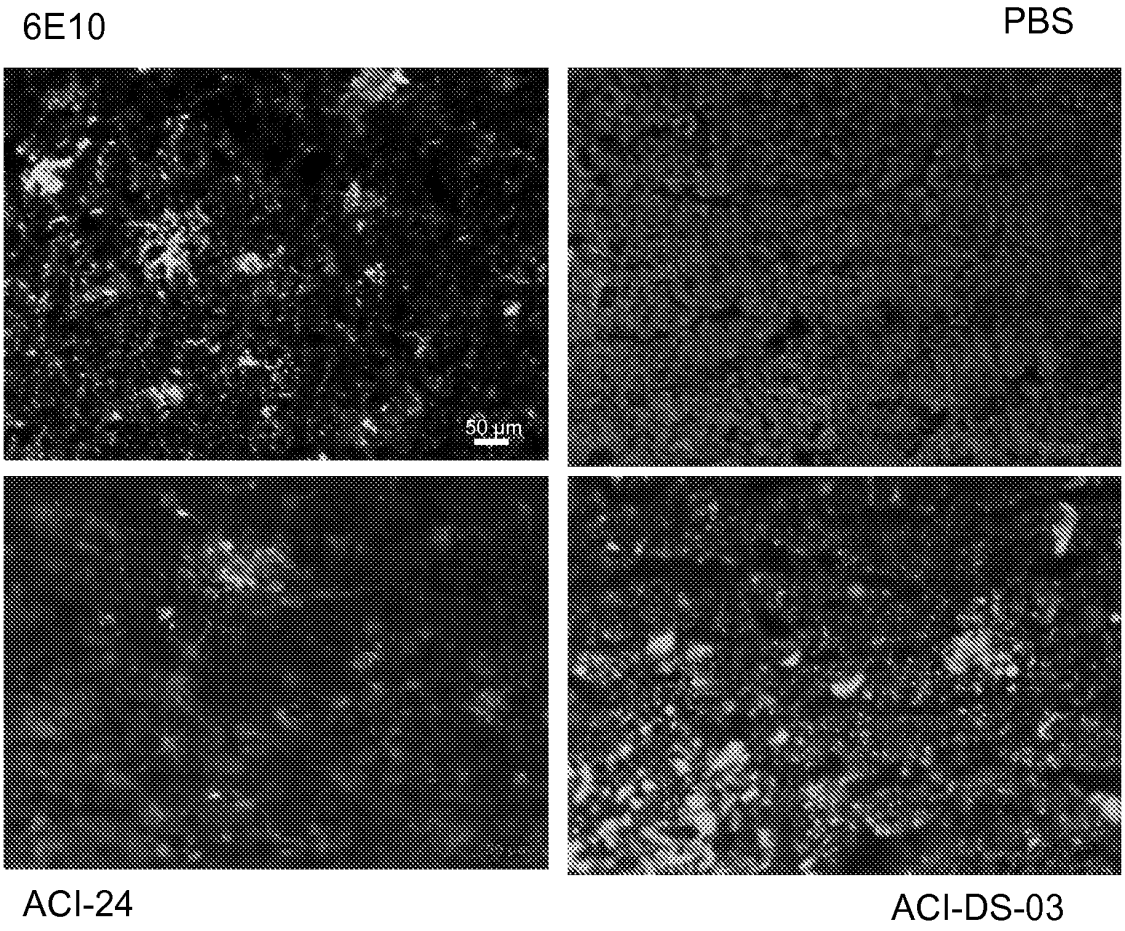


Figure 8

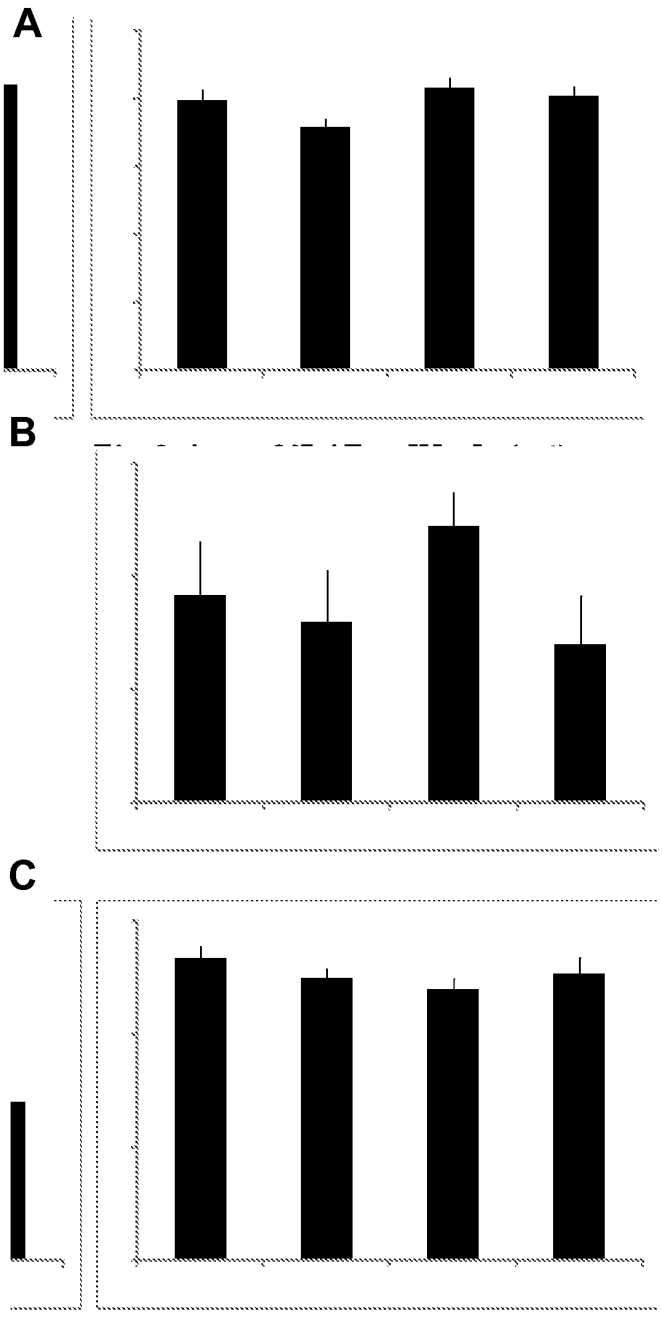


Figure 9