FIG. 1

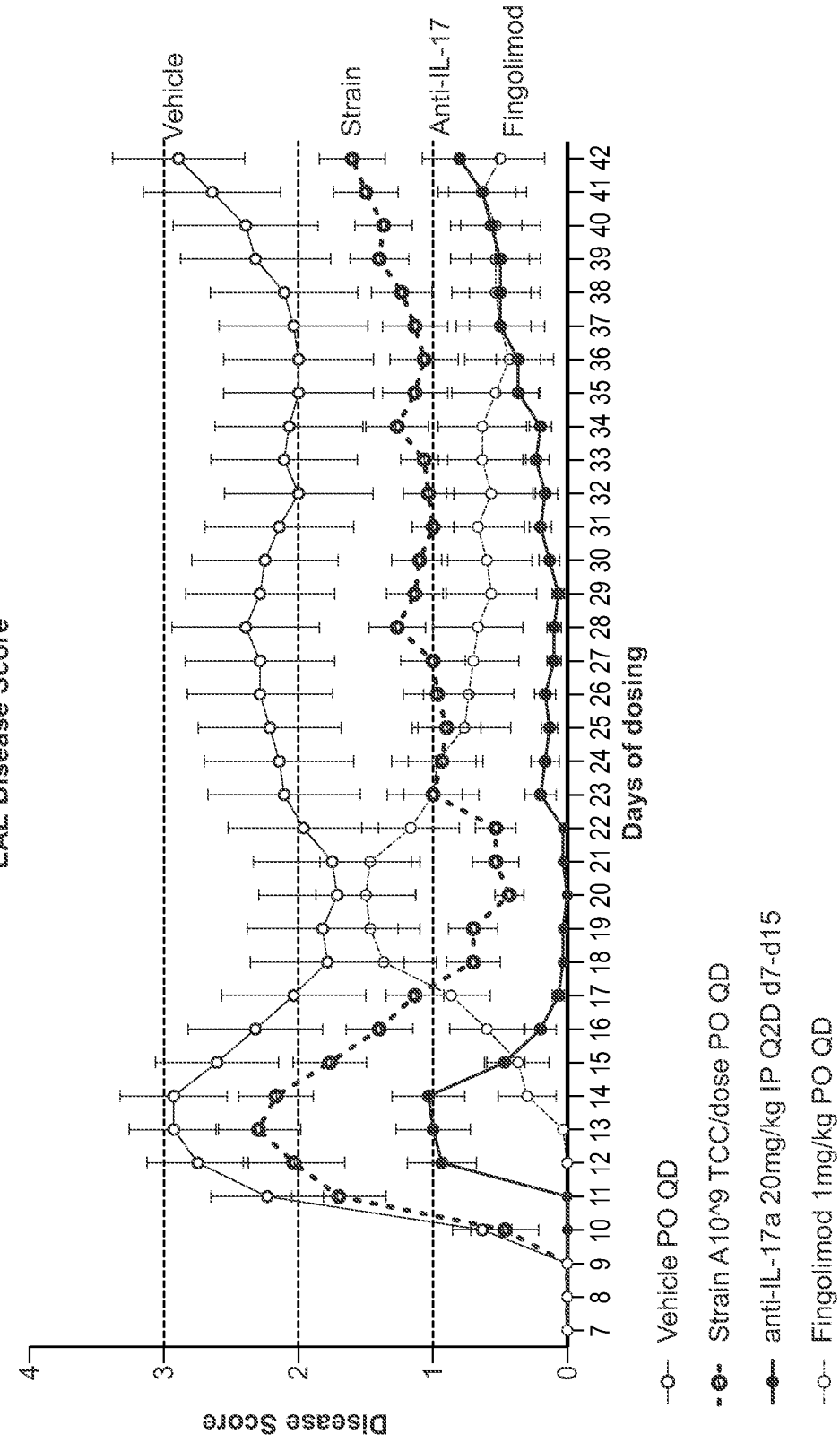

EAE Disease Score
Vehicle
Strain
Anti-IL-17
Fingolimod
Disease Score
0
1
2
3
4
Days of dosing
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
Vehicle PO QD
Strain A10^9 TCC/dose PO QD
anti-IL-17a 20mg/kg IP Q2D d7-d15
Fingolimod 1mg/kg PO QD

FIG. 2A

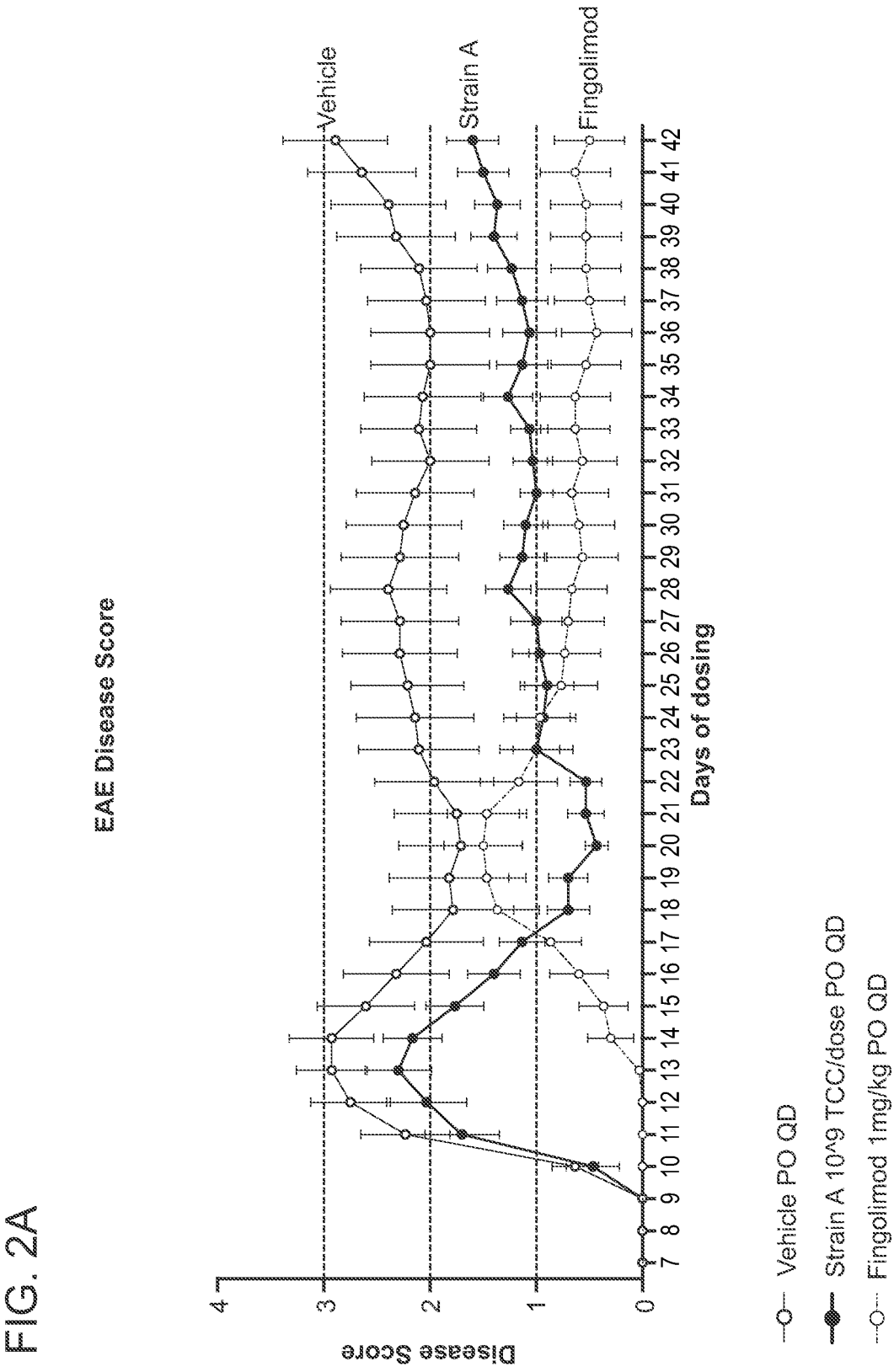

EAE Disease Score
Vehicle
Strain A
Fingolimod
Disease Score
0
1
2
3
4
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
Days of dosing
Vehicle PO QD
Strain A 10^9 TCC/dose PO QD
Fingolimod 1mg/kg PO QD

FIG. 2B

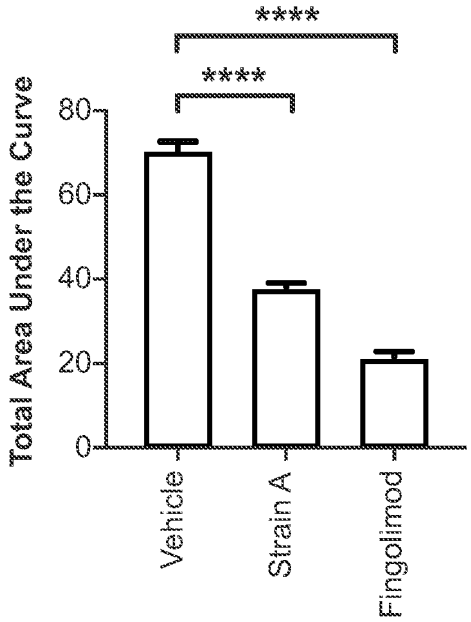

****
****
Total Area Under the Curve
80
60
40
20
0
Vehicle
Strain A
Fingolimod

FIG. 3A

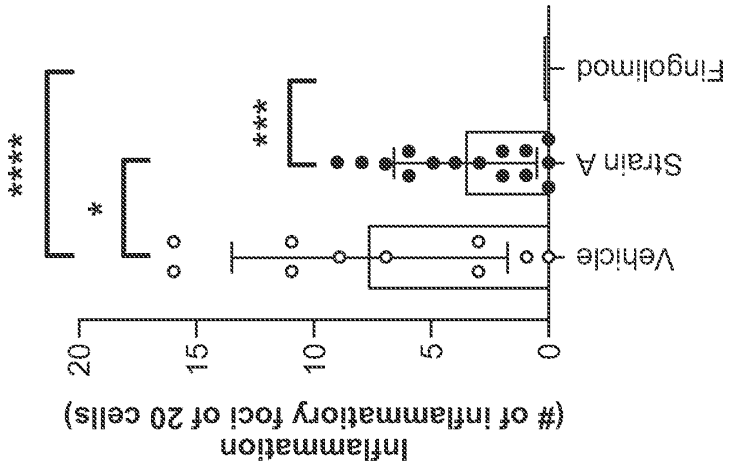

Cervical
Inflammation
(# of inflammatory foci of 20 cells)
0
5
10
15
20
Vehicle
Strain A
Fingolimod
****
*
***

FIG. 3B

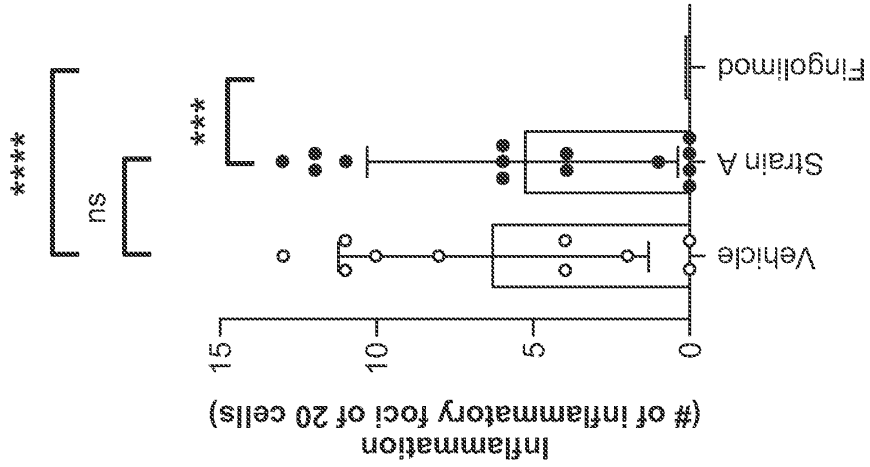

Thoracic
Inflammation
(# of inflammatory foci of 20 cells)
0
5
10
15
Vehicle
Strain A
Fingolimod
****
ns
***

FIG. 3C

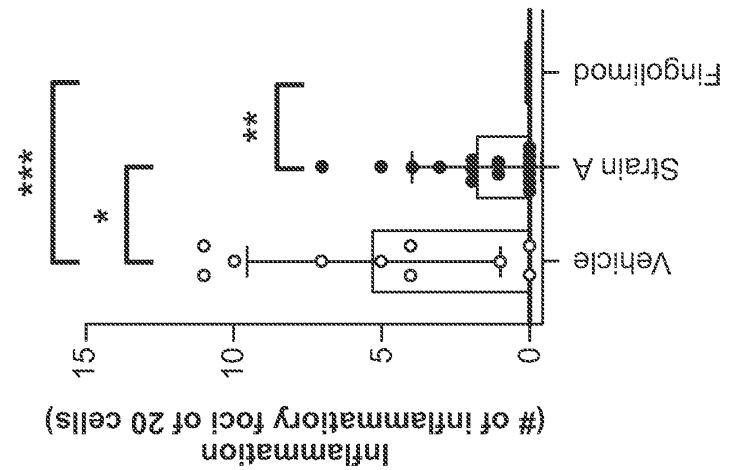

Lumbar
Inflammation
(# of inflammatory foci of 20 cells)
0
5
10
15
***
*
**
Vehicle
Strain A
Fingolimod

FIG. 3D

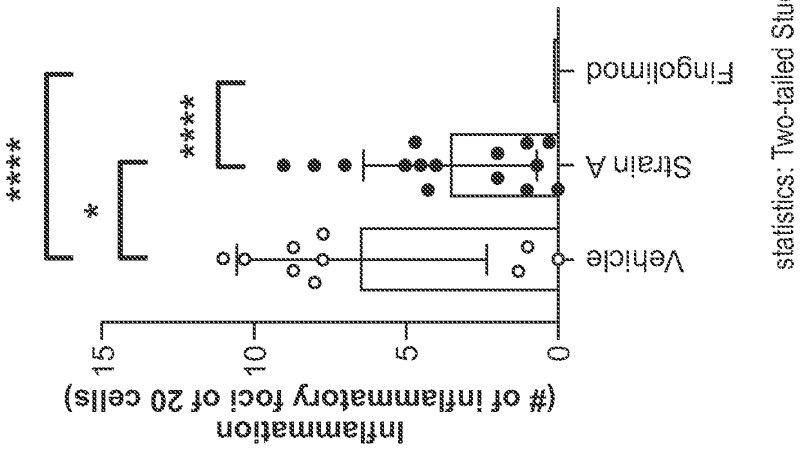

Average
(Mean of cervical, thoracic, and lumber)
Inflammation
(# of inflammatory foci of 20 cells)
0
5
10
15
****
*
****
Vehicle
Strain A
Fingolimod
statistics: Two-tailed Student's t-test

FIG. 4

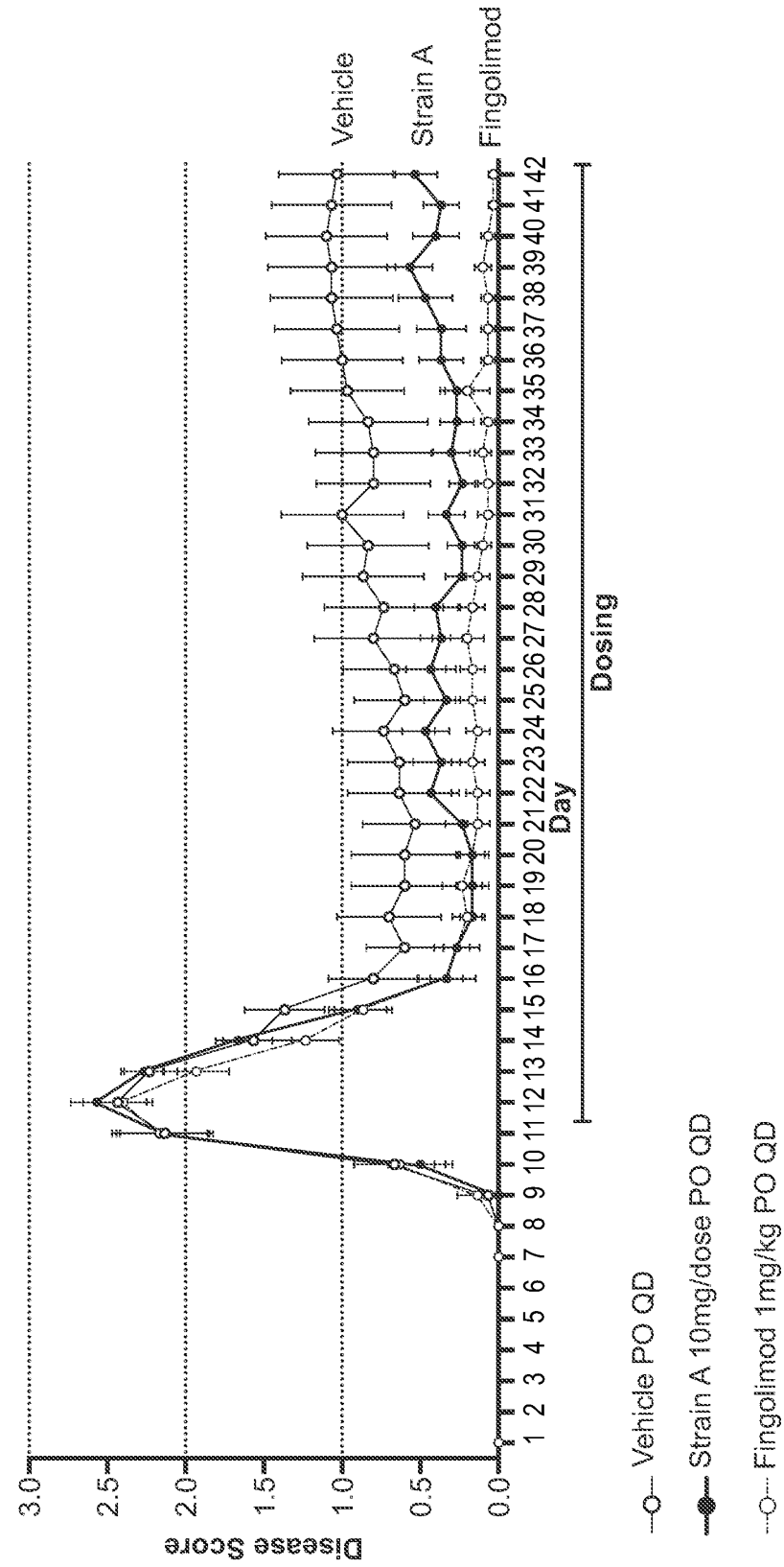

EAE 8.0 Disease Score
Disease Score
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Day
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
Vehicle
Strain A
Fingolimod
Dosing
Vehicle PO QD
Strain A 10mg/dose PO QD
Fingolimod 1mg/kg PO QD

FIG. 5A

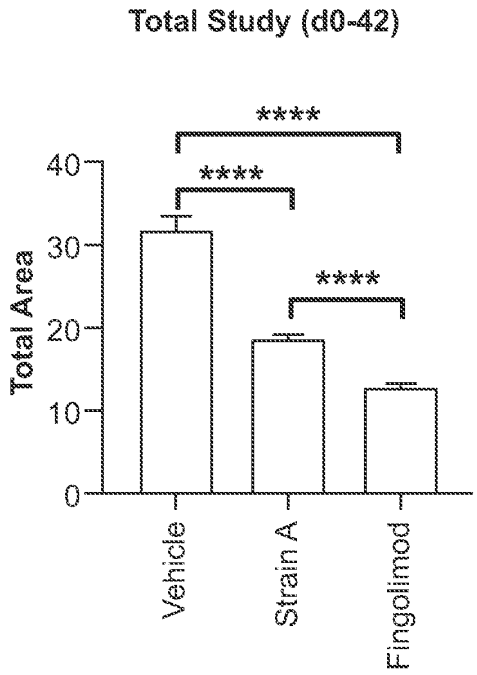


FIG. 5B

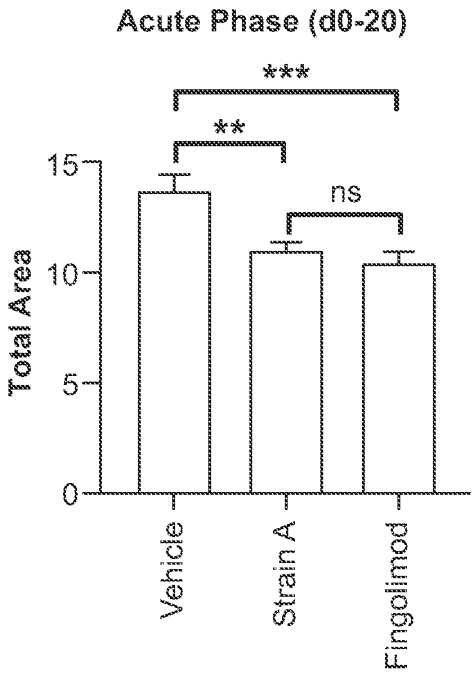


FIG. 5C

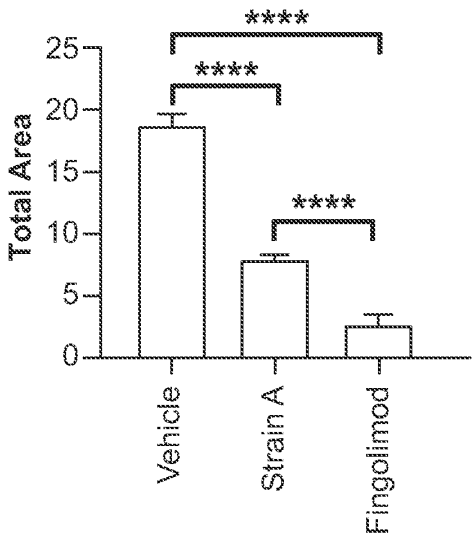


FIG. 6

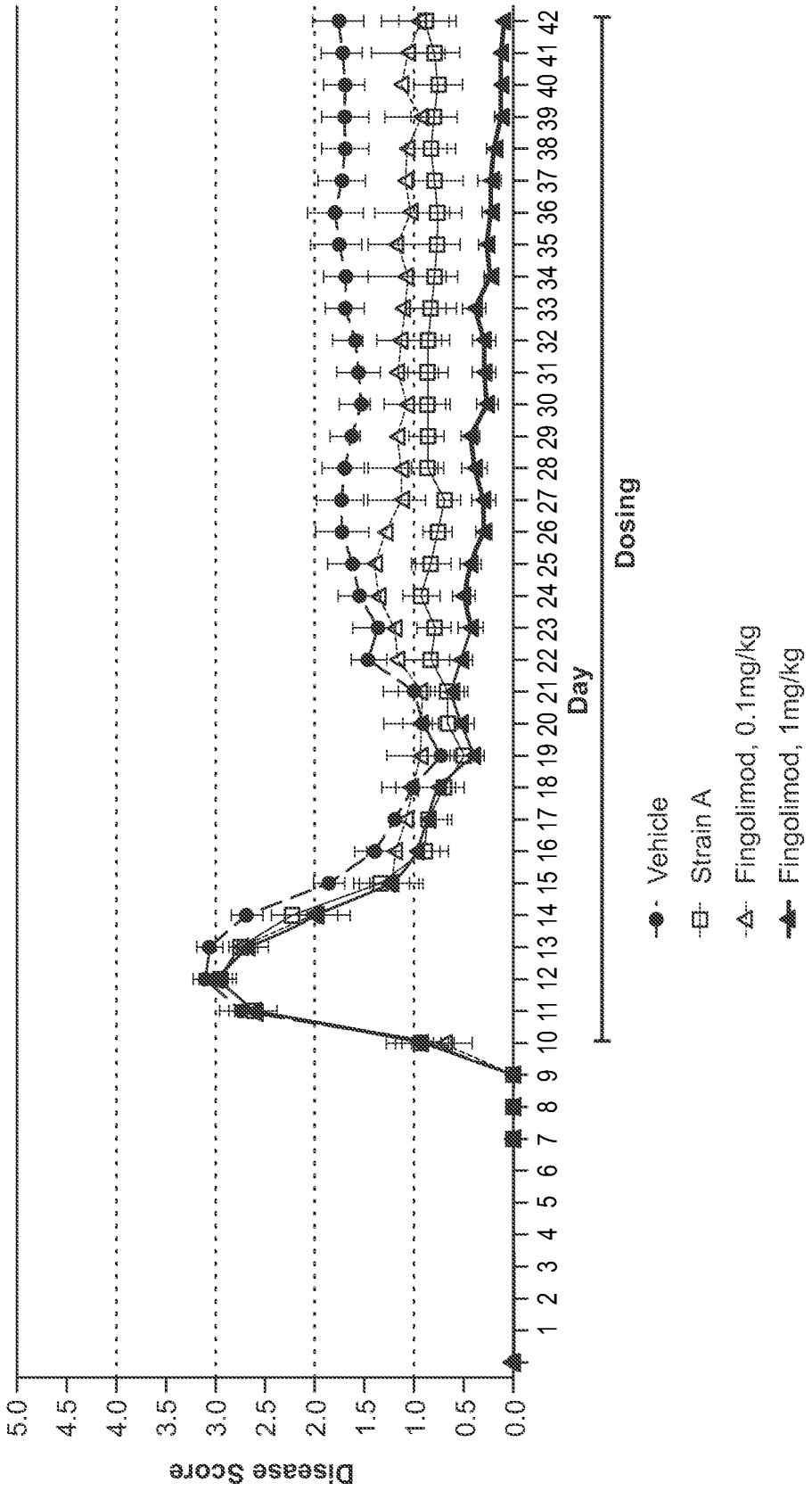

Disease Score
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
Day
Dosing
Vehicle
Strain A
Fingolimod, 0.1mg/kg
Fingolimod, 1mg/kg

FIG. 7A

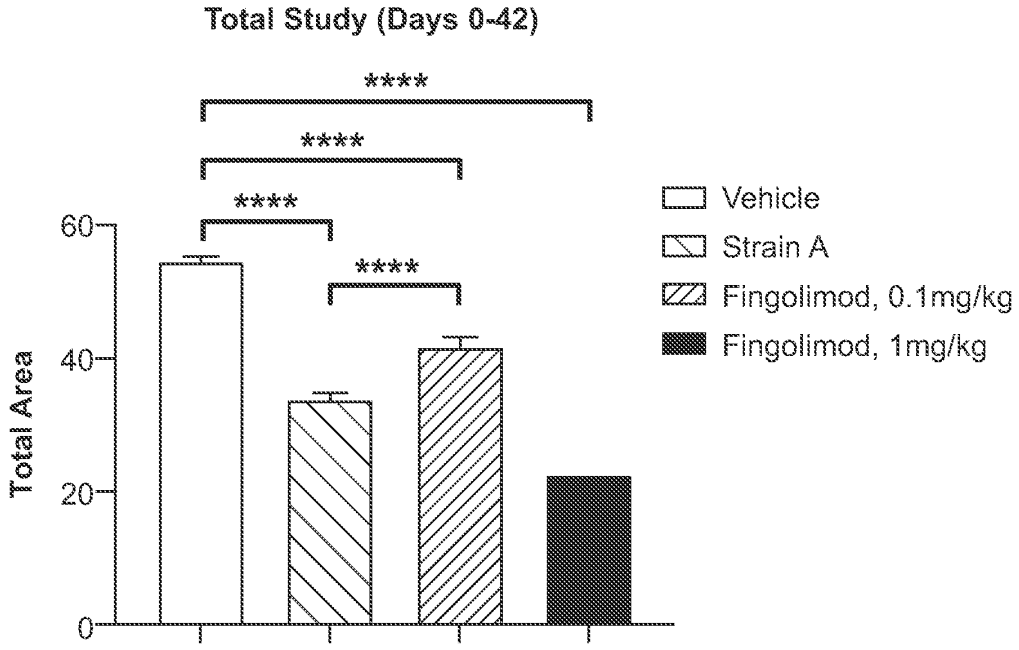

Total Study (Days 0-42)
****
****
****
****
60
40
20
0
Total Area
Vehicle
Strain A
Fingolimod, 0.1mg/kg
Fingolimod, 1mg/kg

FIG. 7B

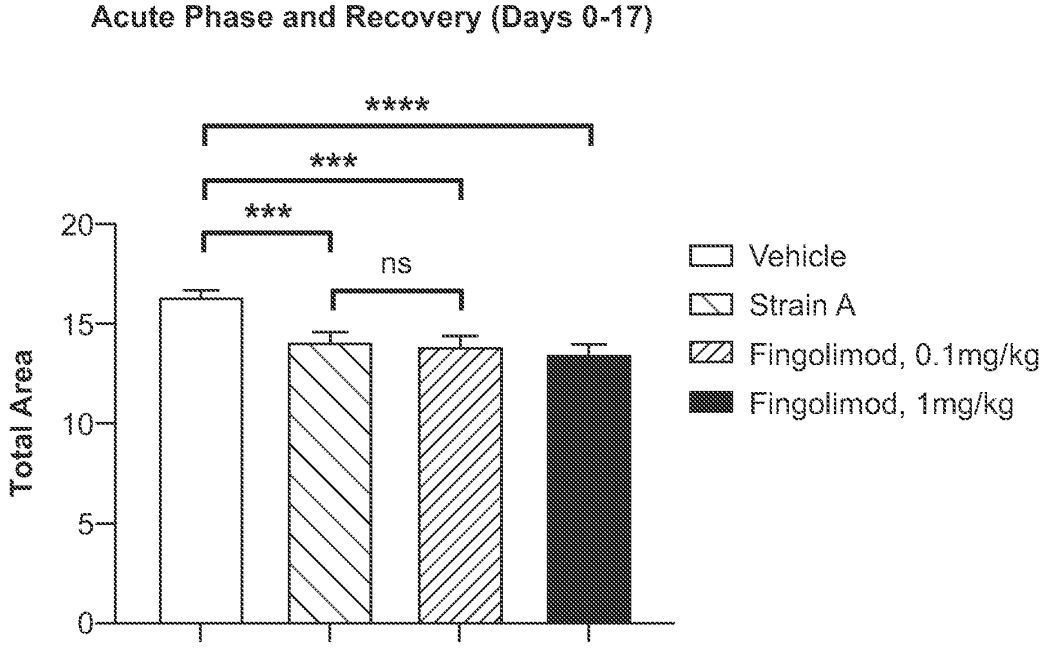
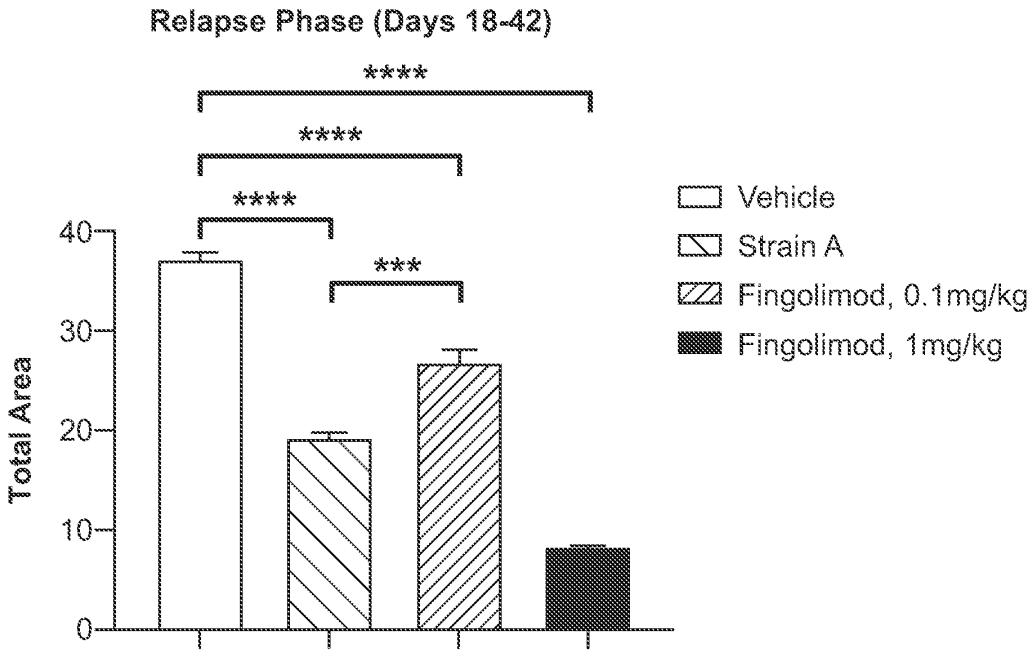

Acute Phase and Recovery (Days 0-17)
****
***
***
ns
20
15
10
5
0
Total Area
Vehicle
Strain A
Fingolimod, 0.1mg/kg
Fingolimod, 1mg/kg

FIG. 7C


Relapse Phase (Days 18-42)
****
****
****
***
Total Area
40
30
20
10
0
Vehicle
Strain A
Fingolimod, 0.1mg/kg
Fingolimod, 1mg/kg

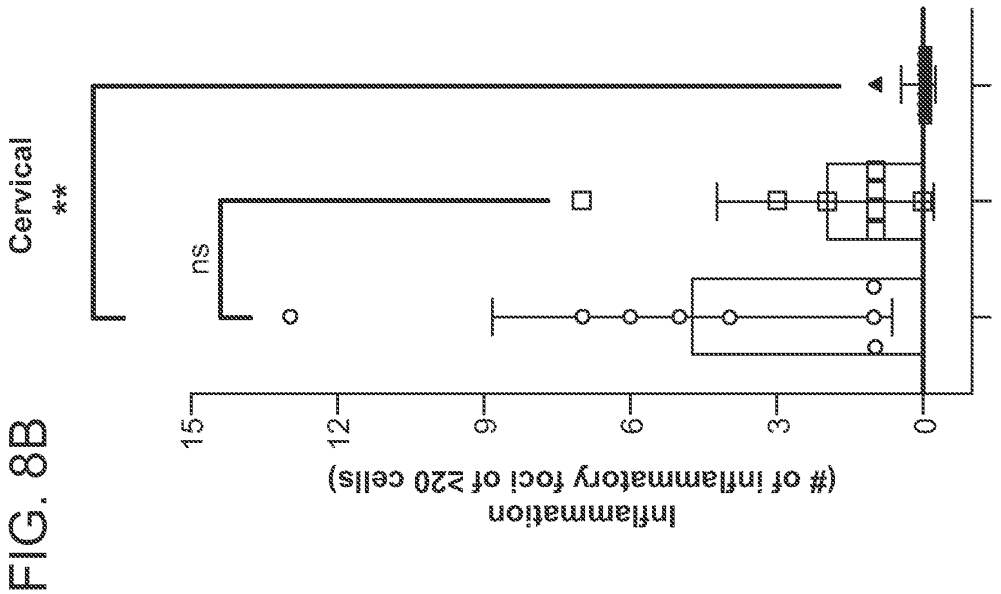

Cervical
**
ns
Inflammation
(# of inflammatory foci of ≥20 cells)
15
12
9
6
3
0

FIG. 8B

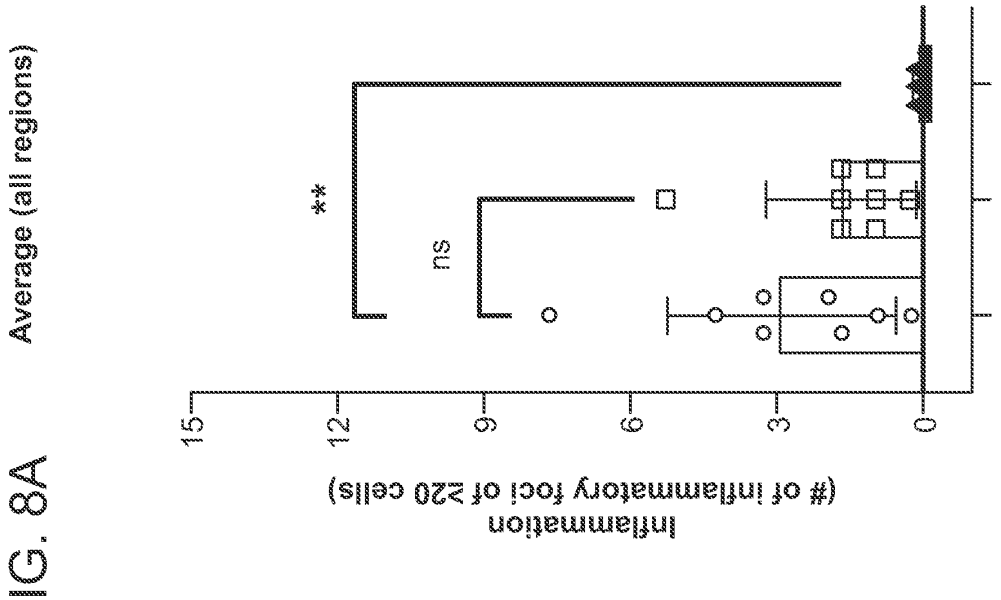

Average (all regions)
**
ns
Inflammation
(# of inflammatory foci of ≥20 cells)
15
12
9
6
3
0

FIG. 8A

FIG. 8C

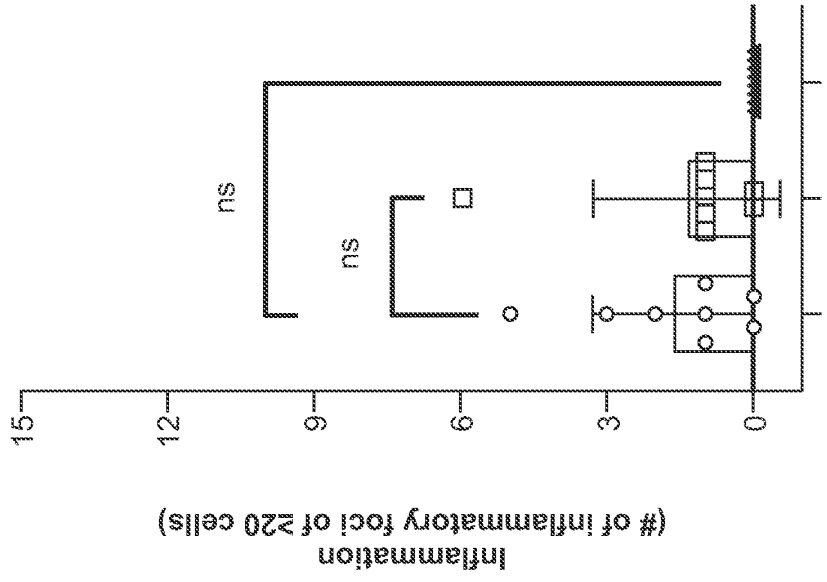

Thoracic
Inflammation
(# of inflammatory foci of ≥20 cells)
15
12
9
6
3
0
ns
ns

FIG. 8D

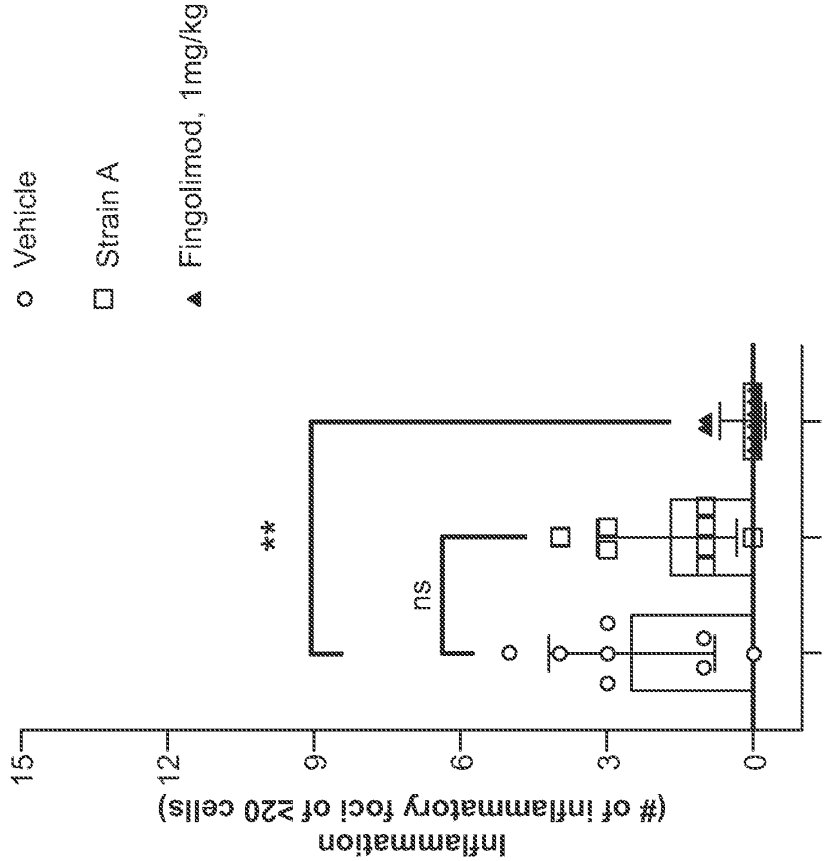

Vehicle
Strain A
Fingolimod, 1mg/kg
Lumbar
Inflammation
(# of inflammatory foci of ≥20 cells)
15
12
9
6
3
0
**
ns

FIG. 9B

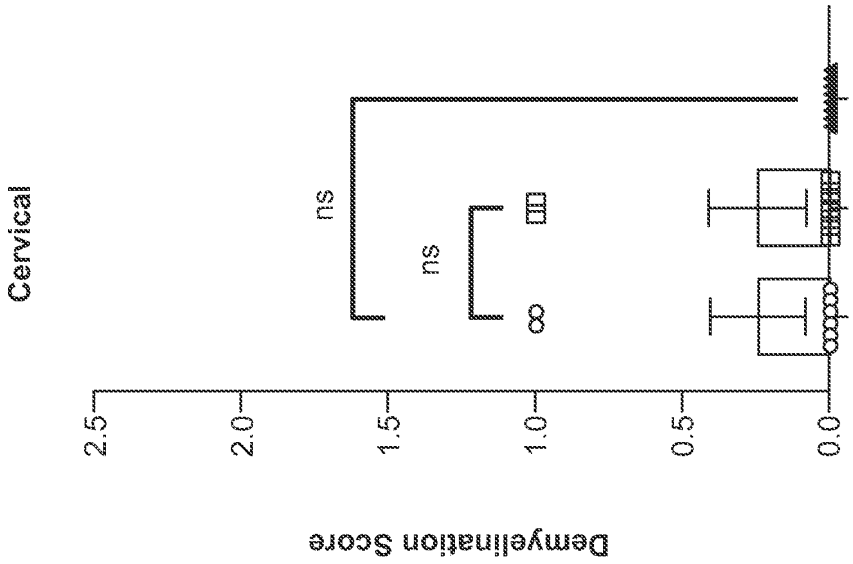

Cervical
ns
ns
Demyelination Score
2.5
2.0
1.5
1.0
0.5
0.0

FIG. 9A

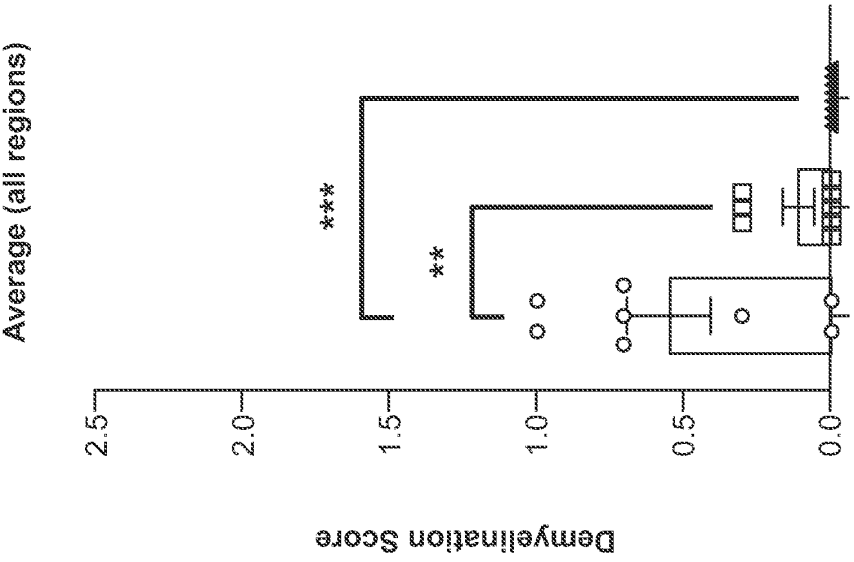

Average (all regions)
***
**
Demyelination Score
2.5
2.0
1.5
1.0
0.5
0.0

FIG. 9D

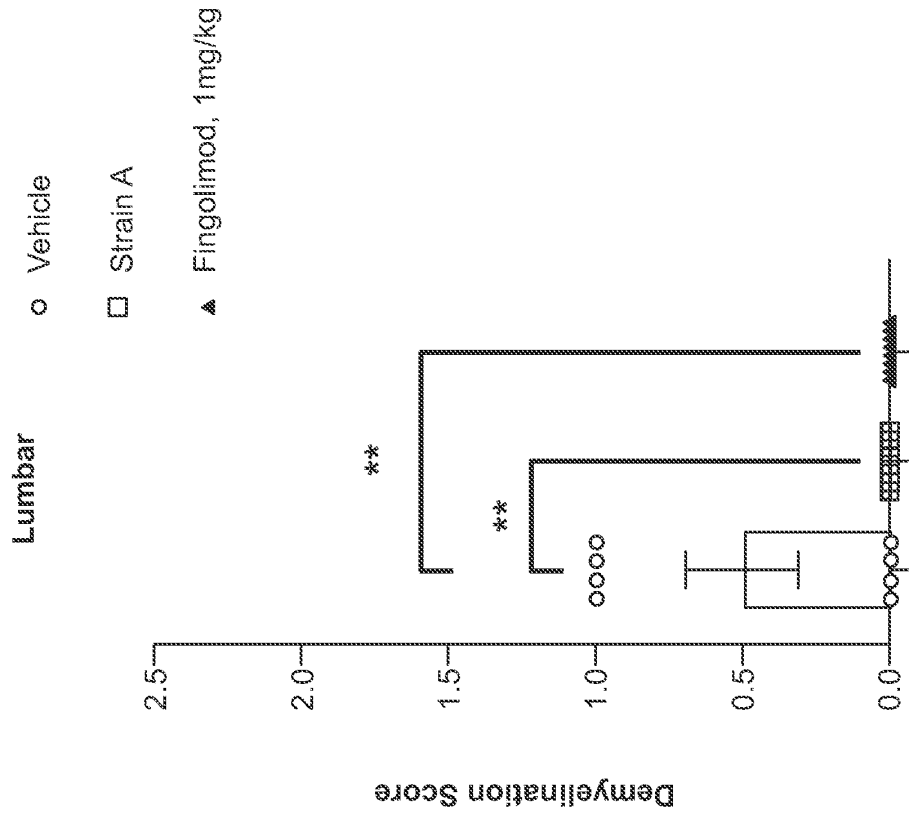
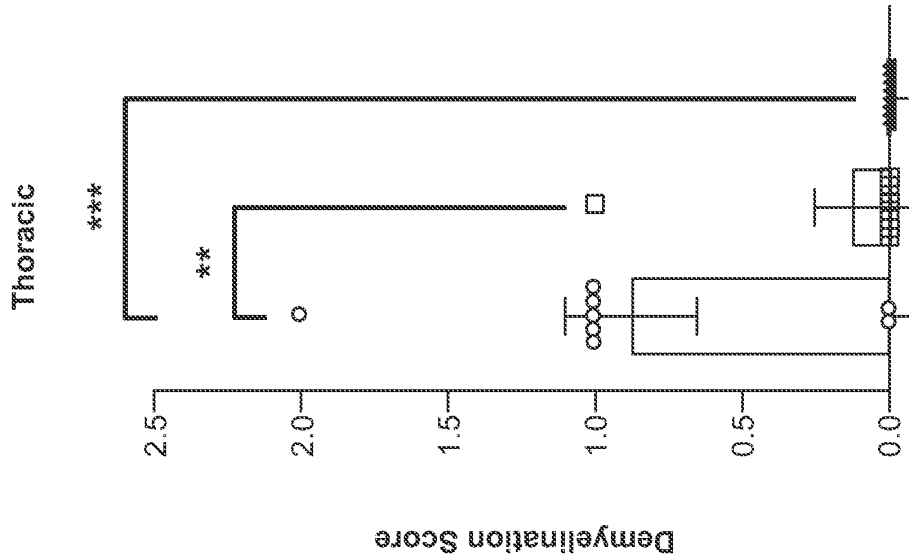

Lumbar
Vehicle
Strain A
Fingolimod, 1mg/kg
**
**
Demyelination Score
2.5
2.0
1.5
1.0
0.5
0.0

FIG. 9C


Thoracic
***
**
Demyelination Score
2.5
2.0
1.5
1.0
0.5
0.0