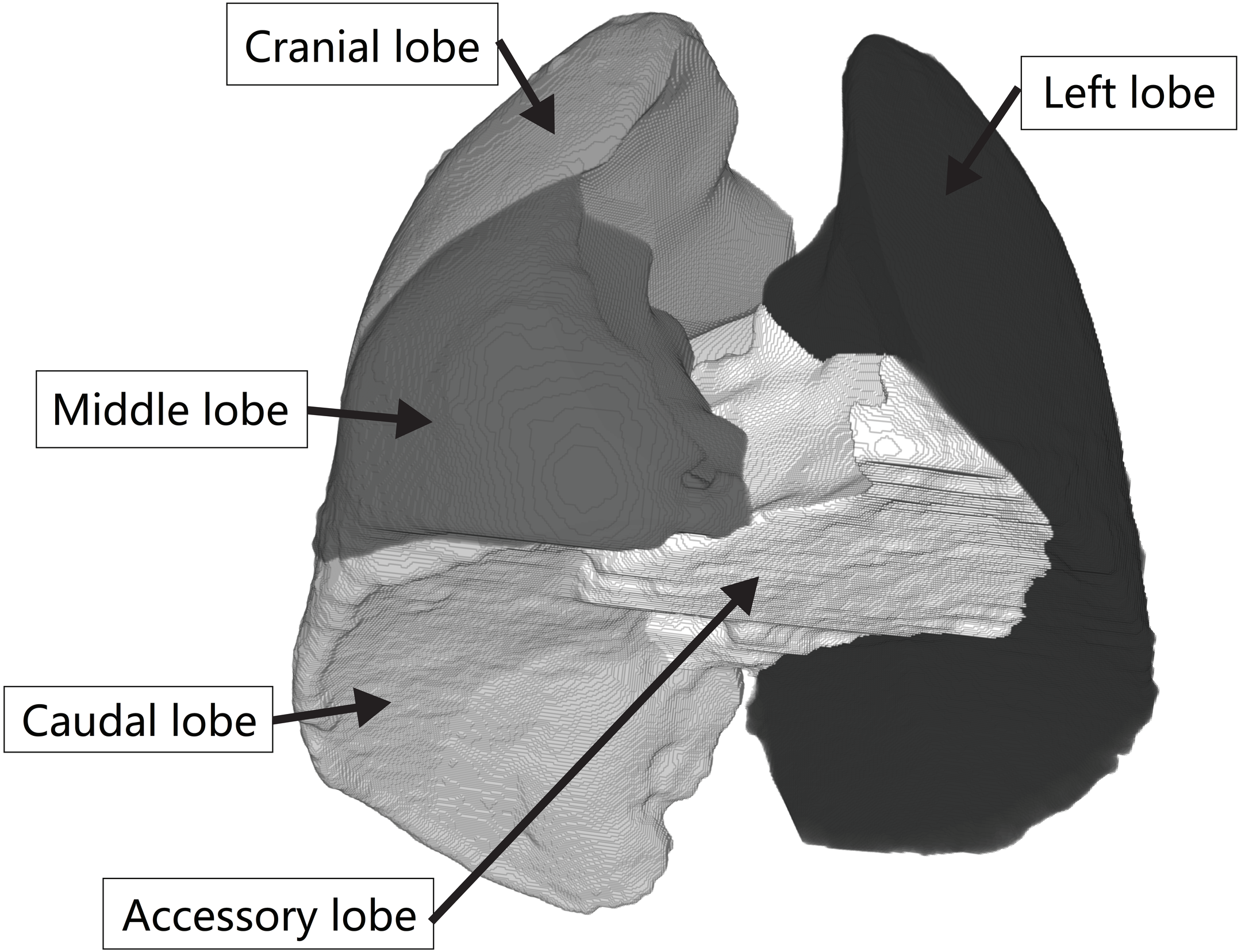
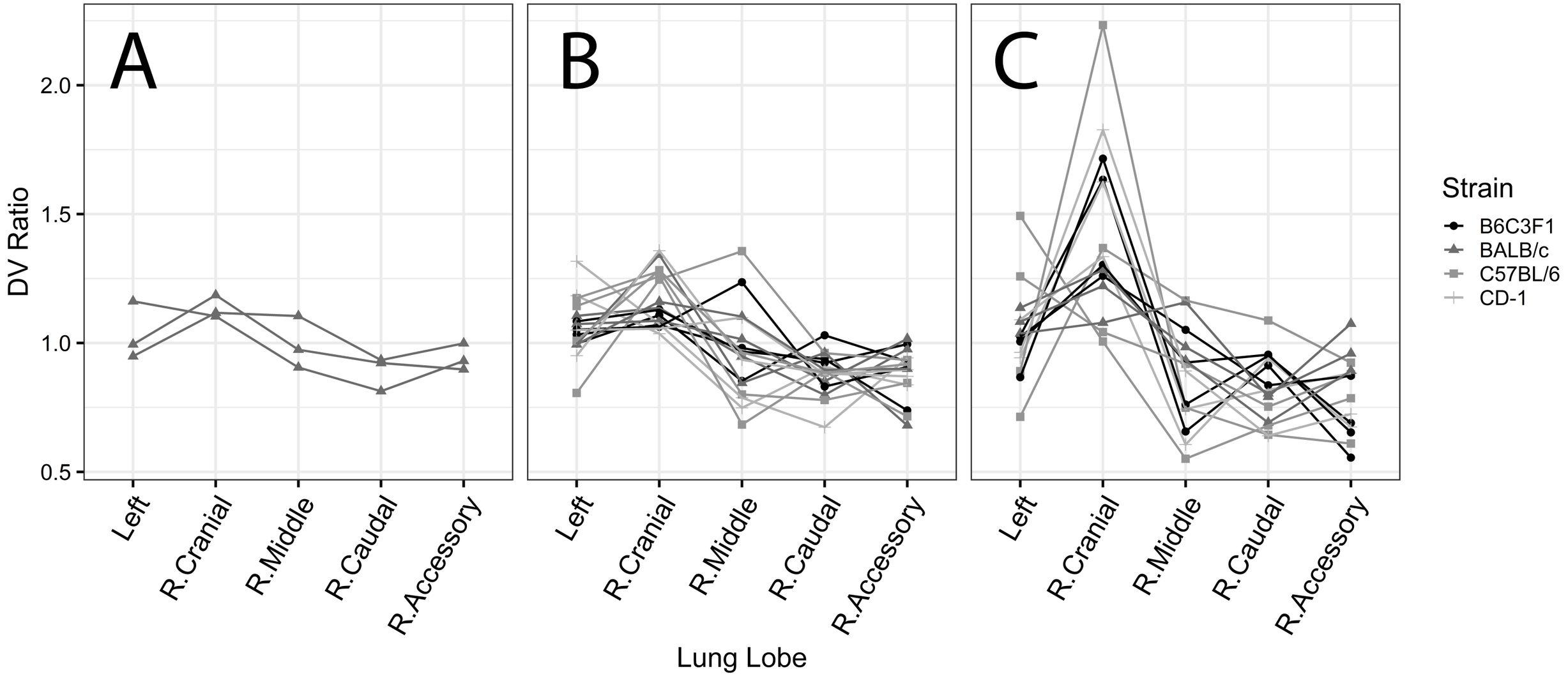
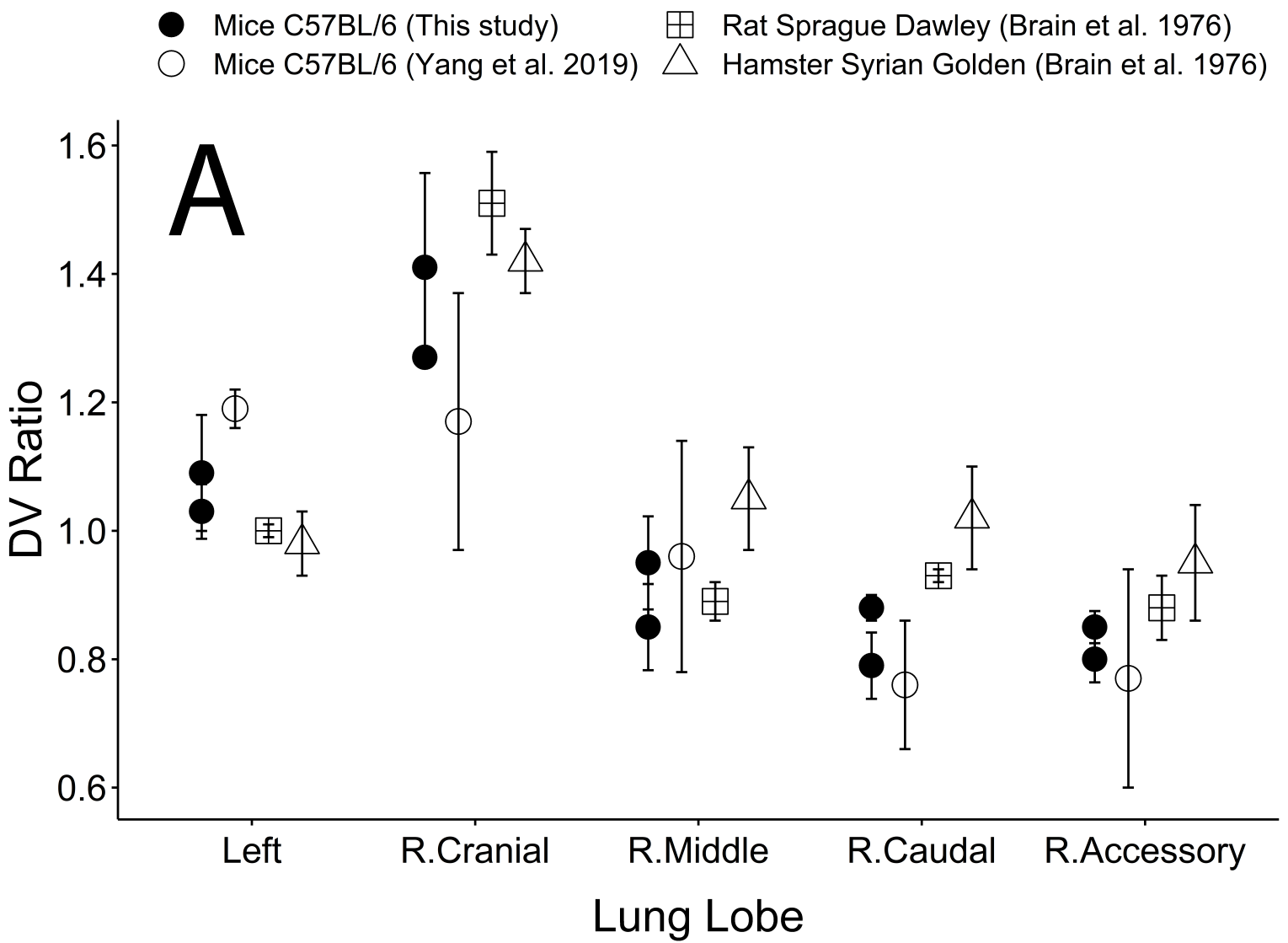
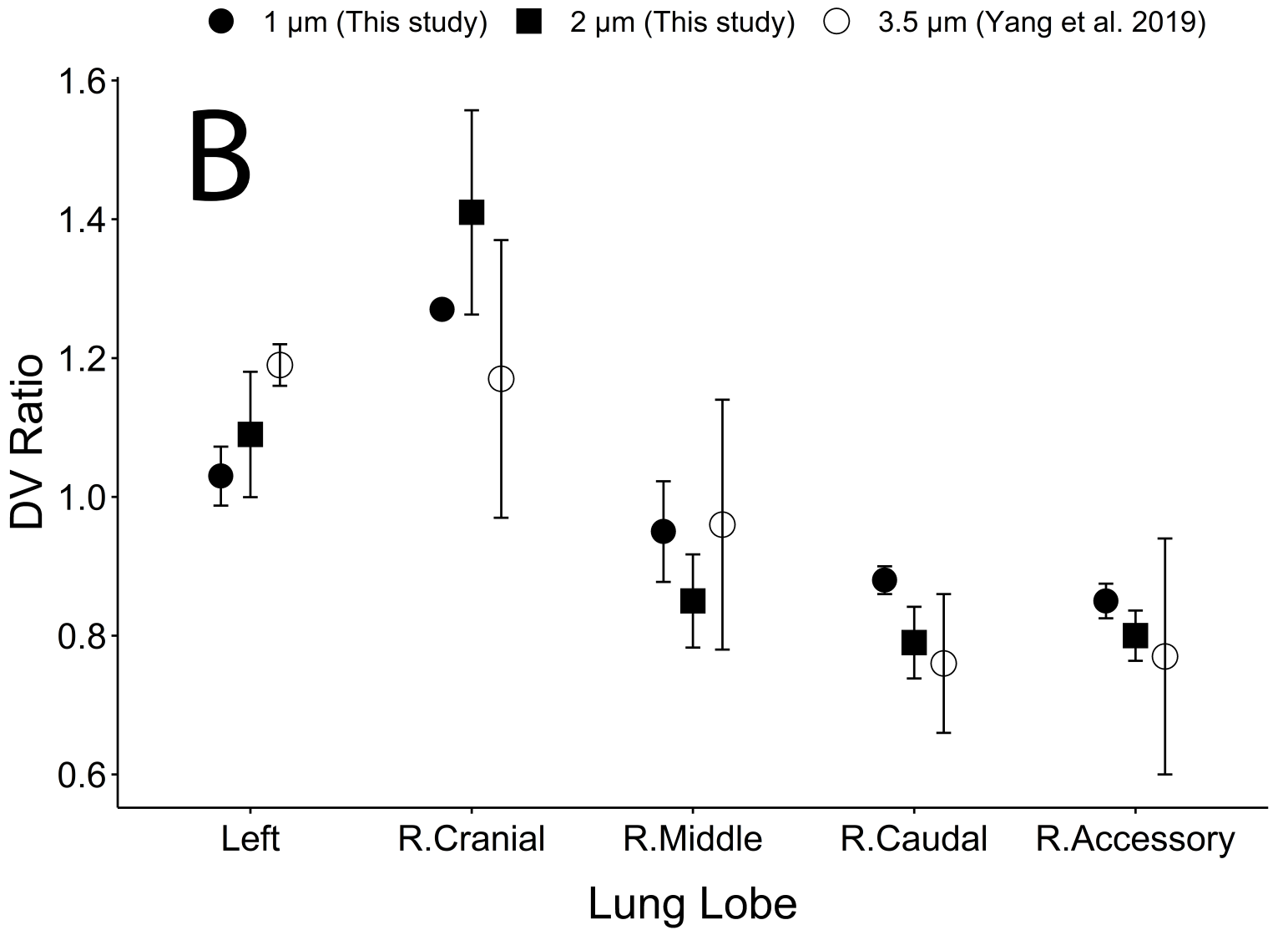
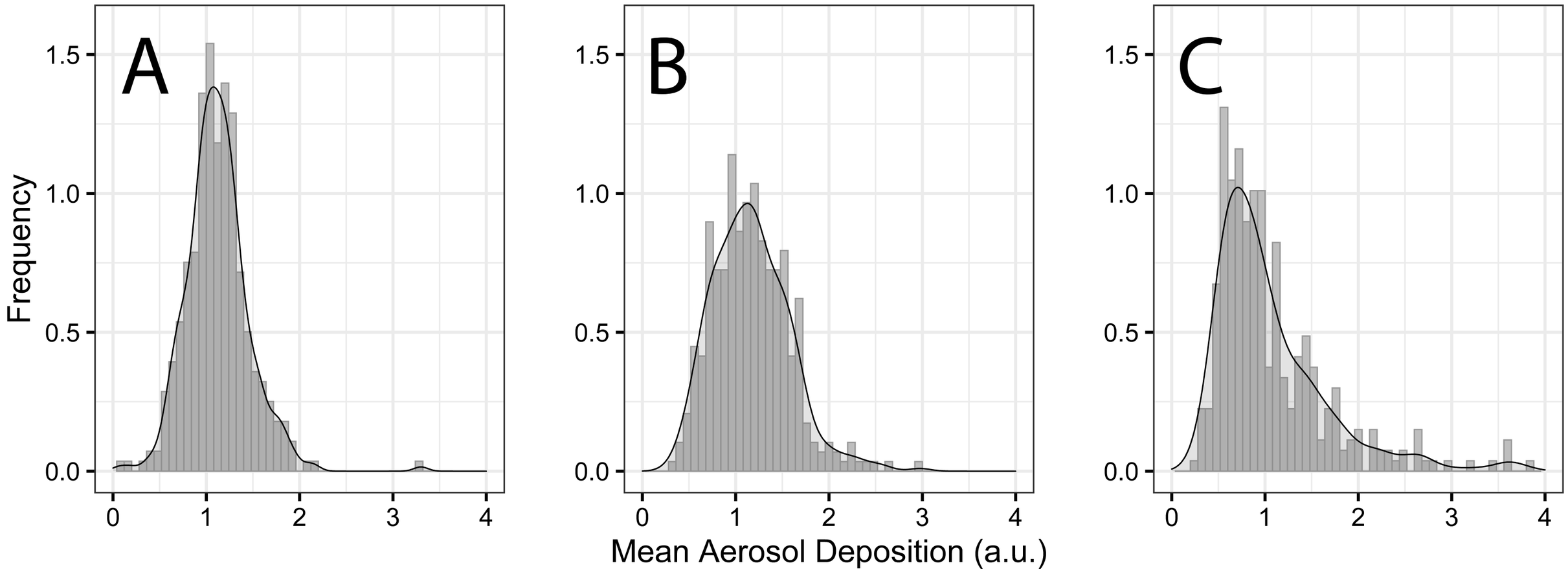
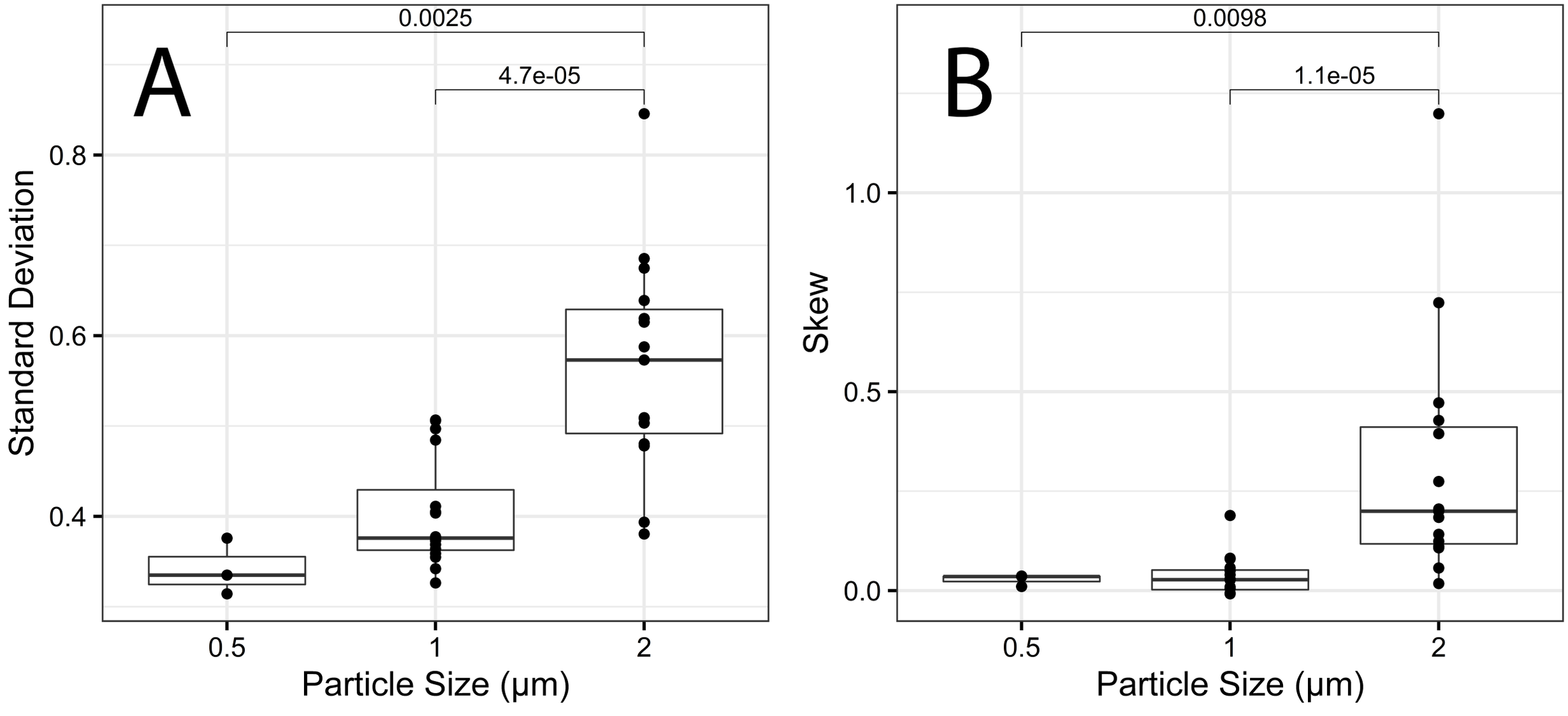

Cranial lobe
Left lobe
Middle lobe
Caudal lobe
Accessory lobe

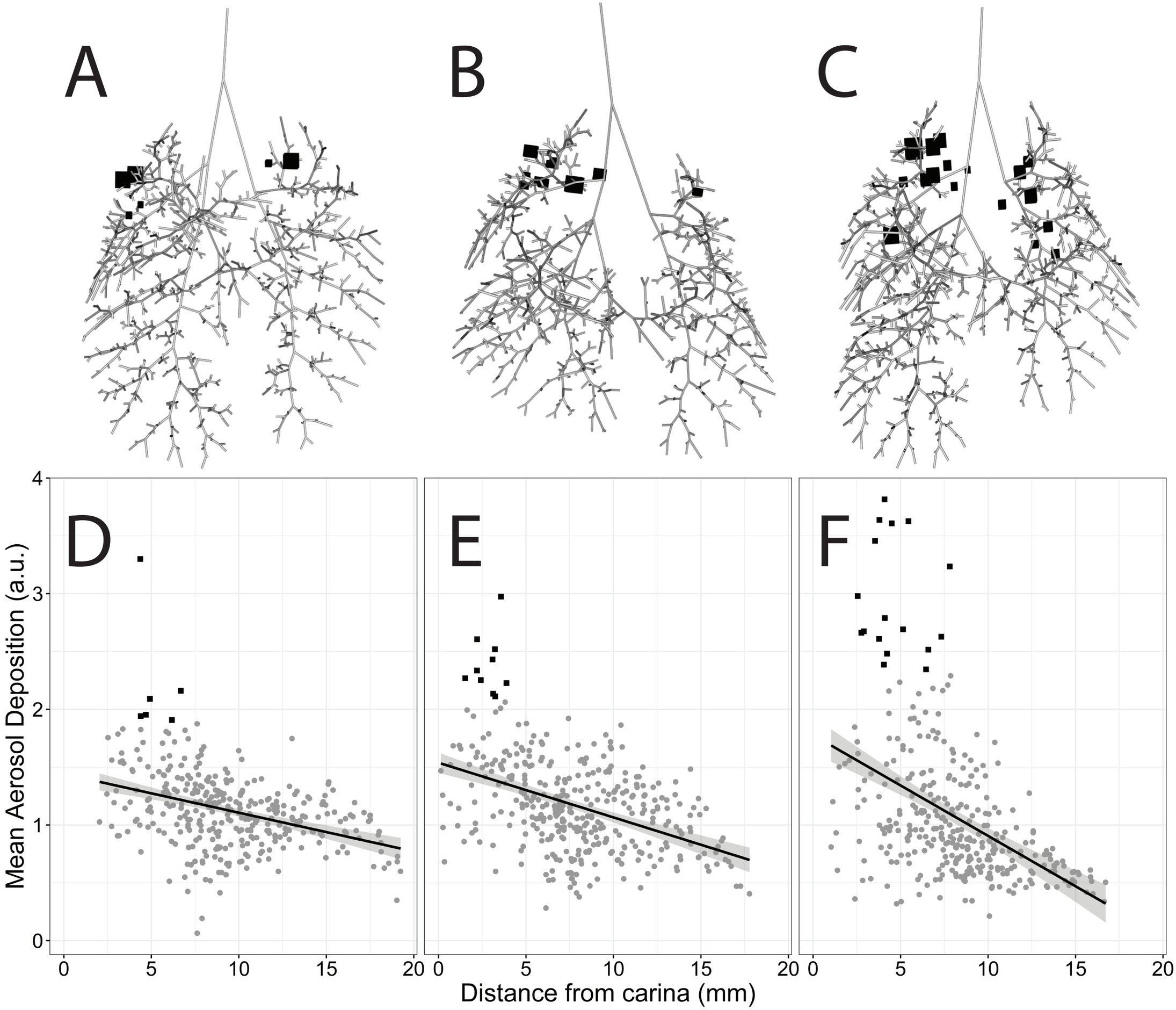

A
B
C
DV Ratio
2.0
1.5
1.0
0.5
Left
R.Cranial
R.Middle
R.Caudal
R.Accessory
Lung Lobe
Strain
B6C3F1
BALB/c
C57BL/6
CD-1


Mice C57BL/6 (This study)
Mice C57BL/6 (Yang et al. 2019)
Rat Sprague Dawley (Brain et al. 1976)
Hamster Syrian Golden (Brain et al. 1976)
A
DV Ratio
1.6
1.4
1.2
1.0
0.8
0.6
Left
R.Cranial
R.Middle
R.Caudal
R.Accessory
Lung Lobe


1 μm (This study)
2 μm (This study)
3.5 μm (Yang et al. 2019)
B
DV Ratio
1.6
1.4
1.2
1.0
0.8
0.6
Left
R.Cranial
R.Middle
R.Caudal
R.Accessory
Lung Lobe


A
B
C
Frequency
1.5
1.0
0.5
0.0
0
1
2
3
4
Mean Aerosol Deposition (a.u.)


A
0.0025
4.7e-05
Standard Deviation
0.8
0.6
0.4
0.5
1
2
Particle Size (μm)
B
0.0098
1.1e-05
Skew
1.0
0.5
0.0
0.5
1
2
Particle Size (μm)


A
B
C
D
E
F
Mean Aerosol Deposition (a.u.)
0
1
2
3
4
0
5
10
15
20
Distance from carina (mm)