Supplemental data

Figure S1a

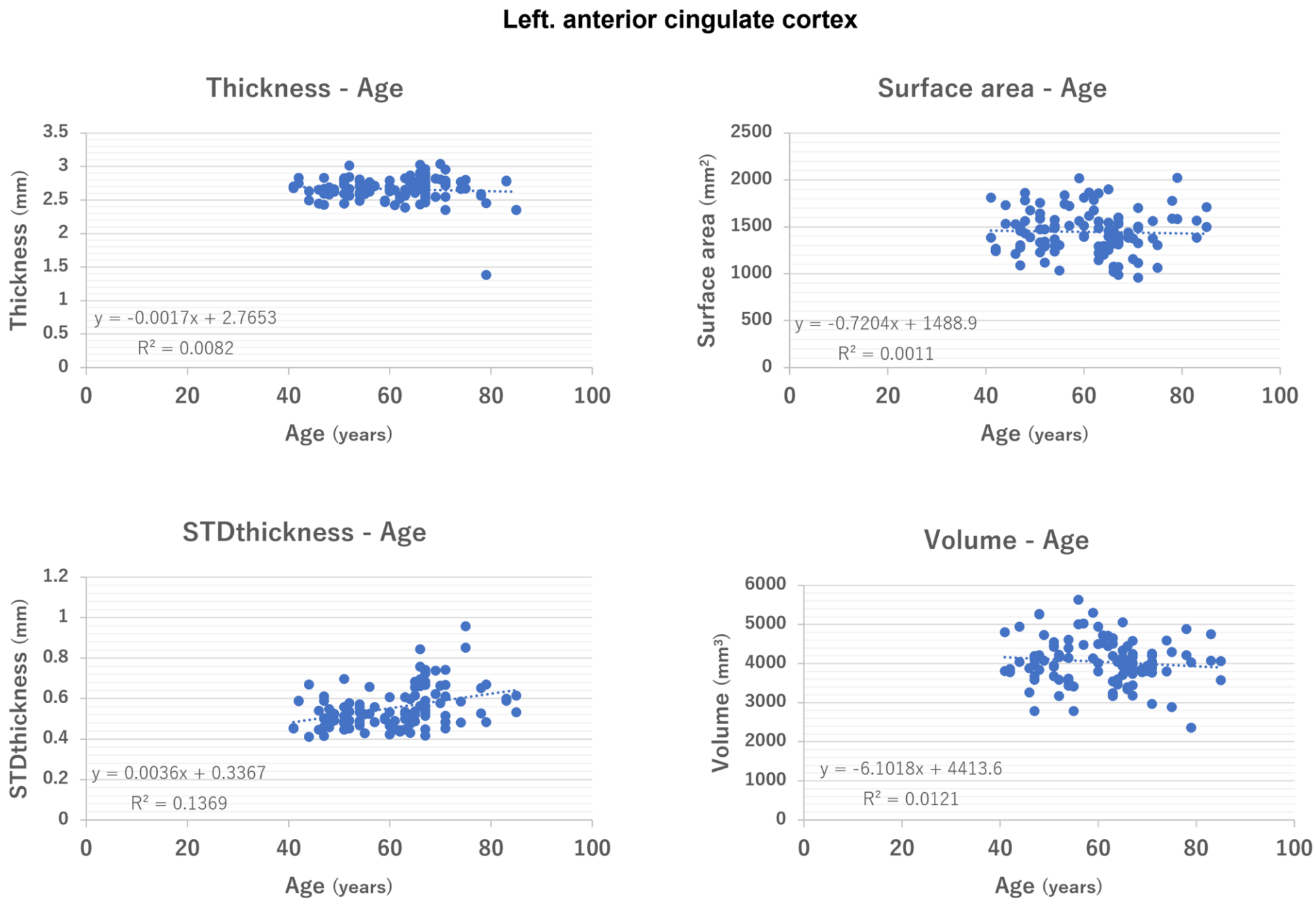

Left. anterior cingulate cortex
Thickness - Age
Thickness (mm)
Age (years)
y = -0.0017x + 2.7653
R² = 0.0082
Surface area - Age
Surface area (mm²)
Age (years)
y = -0.7204x + 1488.9
R² = 0.0011
STDthickness - Age
STDthickness (mm)
Age (years)
y = 0.0036x + 0.3367
R² = 0.1369
Volume - Age
Volume (mm³)
Age (years)
y = -6.1018x + 4413.6
R² = 0.0121

Figure S1b

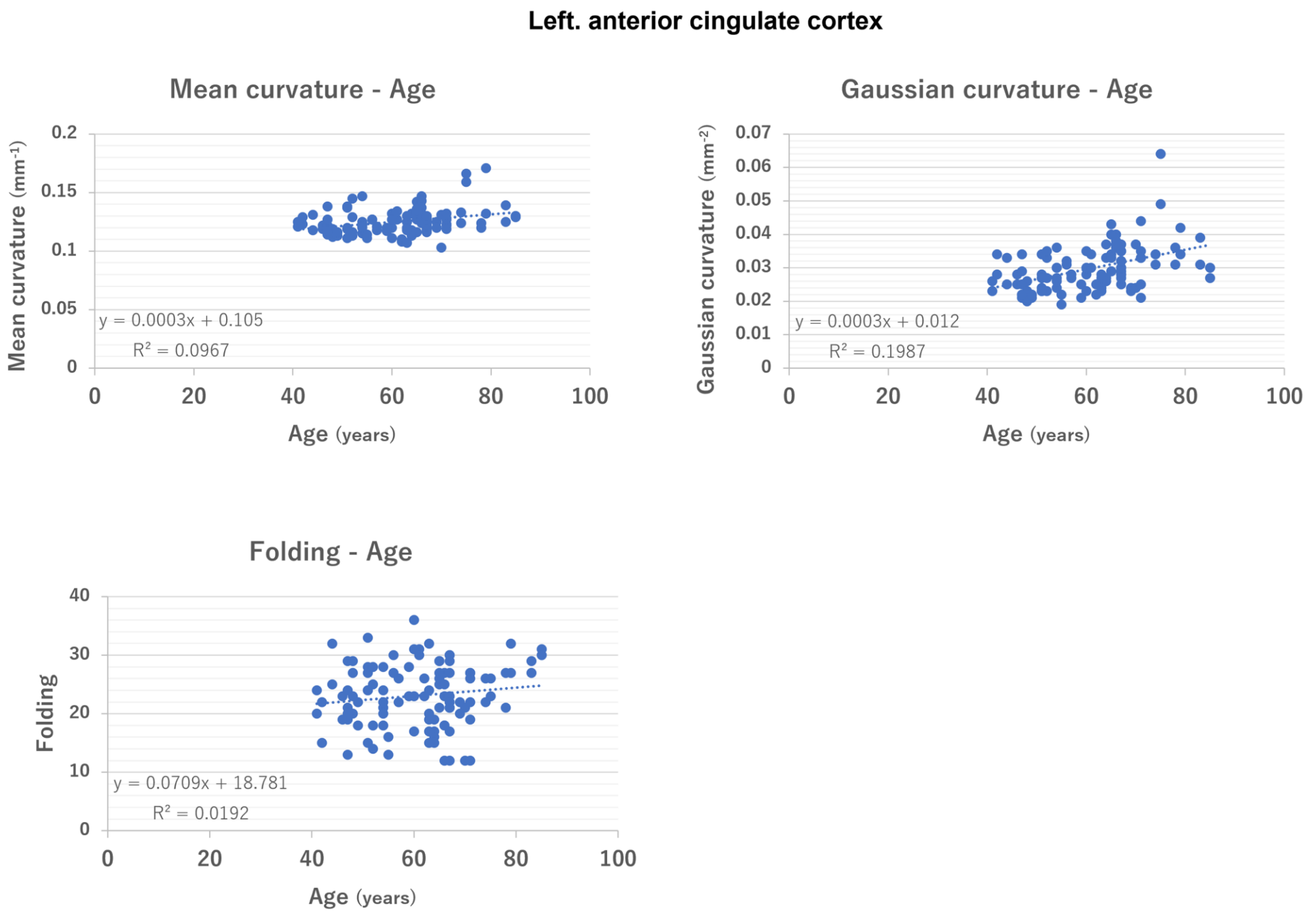

Left. anterior cingulate cortex
Mean curvature - Age
Mean curvature (mm-1)
0.2
0.15
0.1
0.05
0
y = 0.0003x + 0.105
R² = 0.0967
0
20
40
60
80
100
Age (years)
Gaussian curvature - Age
Gaussian curvature (mm-2)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
y = 0.0003x + 0.012
R² = 0.1987
0
20
40
60
80
100
Age (years)
Folding - Age
Folding
40
30
20
10
0
y = 0.0709x + 18.781
R² = 0.0192
0
20
40
60
80
100
Age (years)

Figure S2a

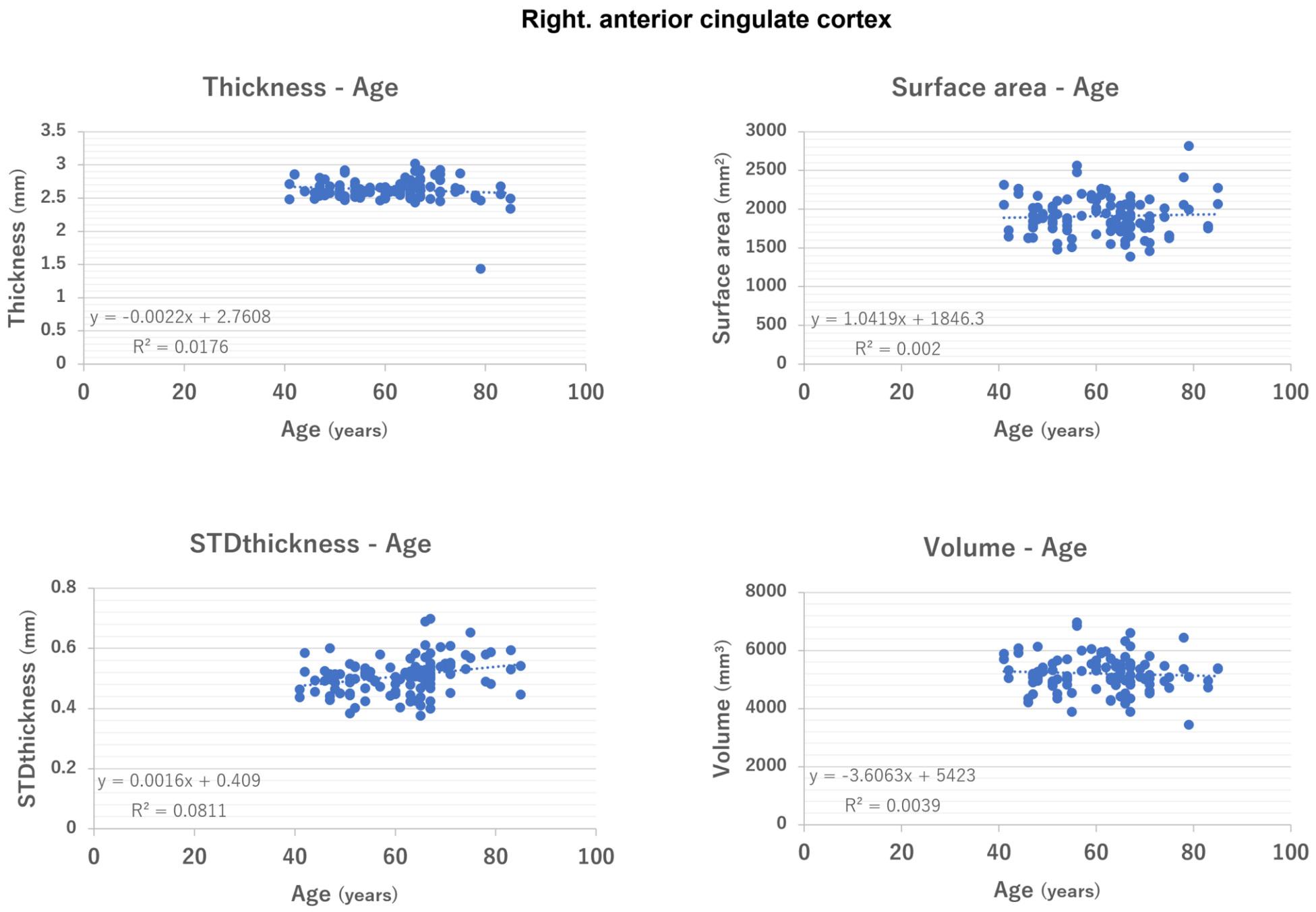

Right. anterior cingulate cortex
Thickness - Age
Thickness (mm)
Age (years)
y = -0.0022x + 2.7608
R² = 0.0176
Surface area - Age
Surface area (mm²)
Age (years)
y = 1.0419x + 1846.3
R² = 0.002
STDthickness - Age
STDthickness (mm)
Age (years)
y = 0.0016x + 0.409
R² = 0.0811
Volume - Age
Volume (mm³)
Age (years)
y = -3.6063x + 5423
R² = 0.0039

Figure S2b

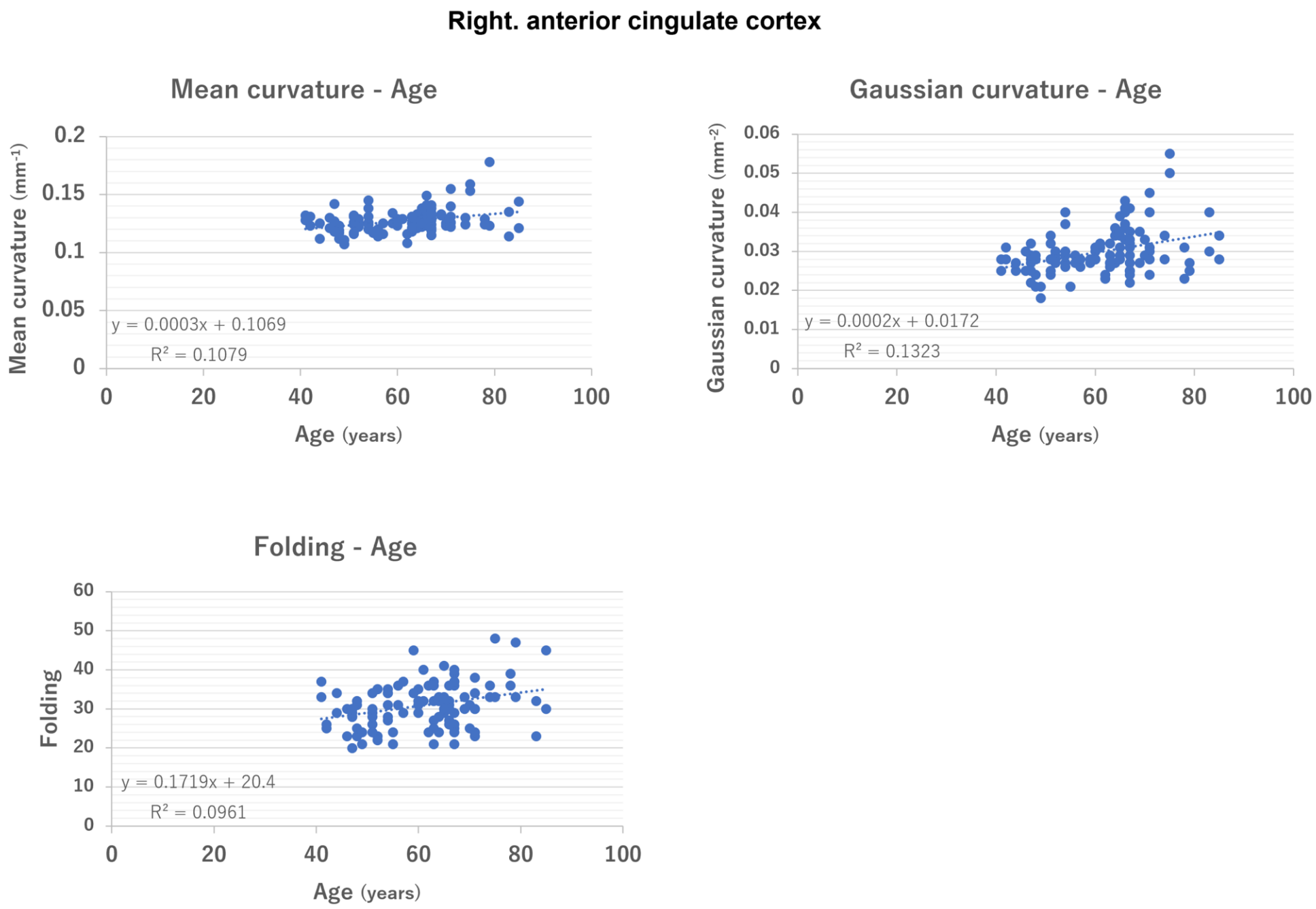

Right. anterior cingulate cortex
Mean curvature - Age
Mean curvature (mm-1)
0.2
0.15
0.1
0.05
0
y = 0.0003x + 0.1069
R² = 0.1079
0
20
40
60
80
100
Age (years)
Gaussian curvature - Age
Gaussian curvature (mm-2)
0.06
0.05
0.04
0.03
0.02
0.01
0
y = 0.0002x + 0.0172
R² = 0.1323
0
20
40
60
80
100
Age (years)
Folding - Age
Folding
60
50
40
30
20
10
0
y = 0.1719x + 20.4
R² = 0.0961
0
20
40
60
80
100
Age (years)

Figure S3a

Left anterior cingulate cortex in Monozygotic twins

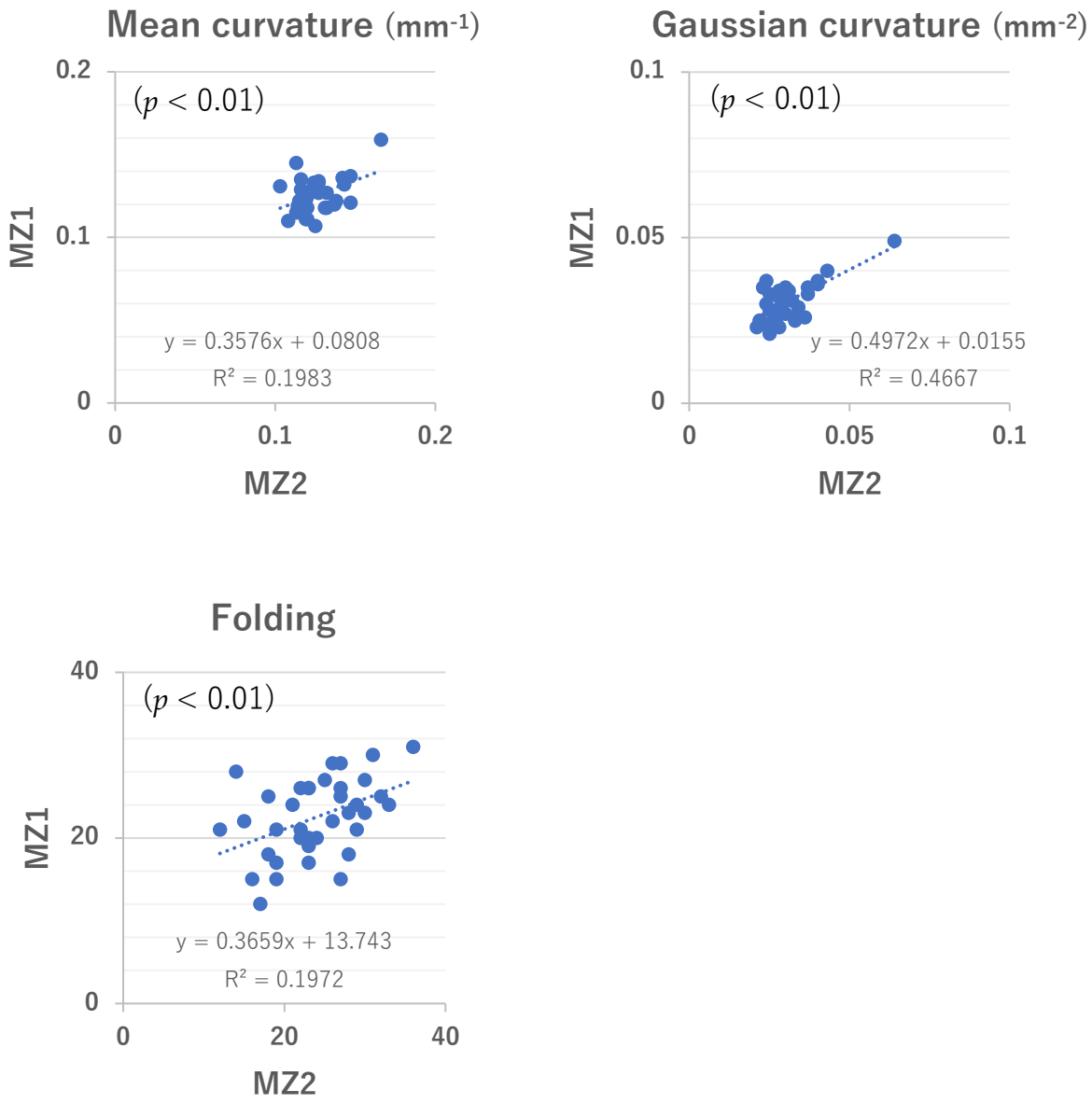
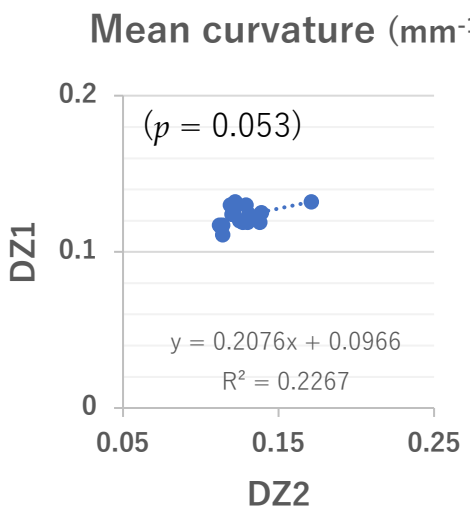
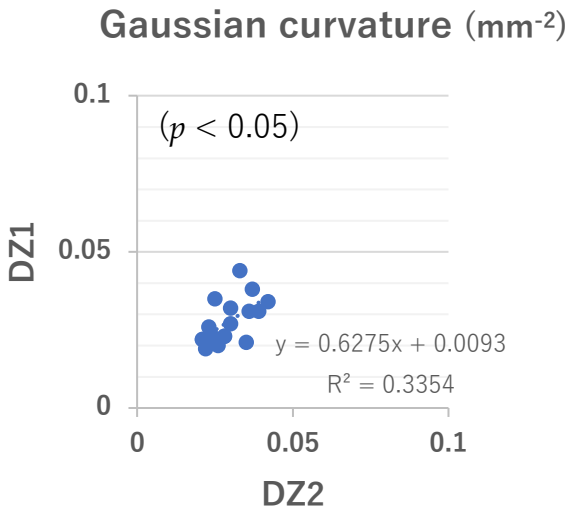


Figure S3b

Left anterior cingulate cortex in Dizygotic twins





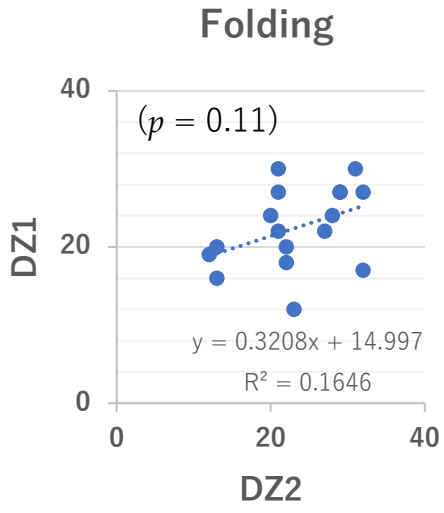


Figure S4a

Right anterior cingulate cortex in Monozygotic twins

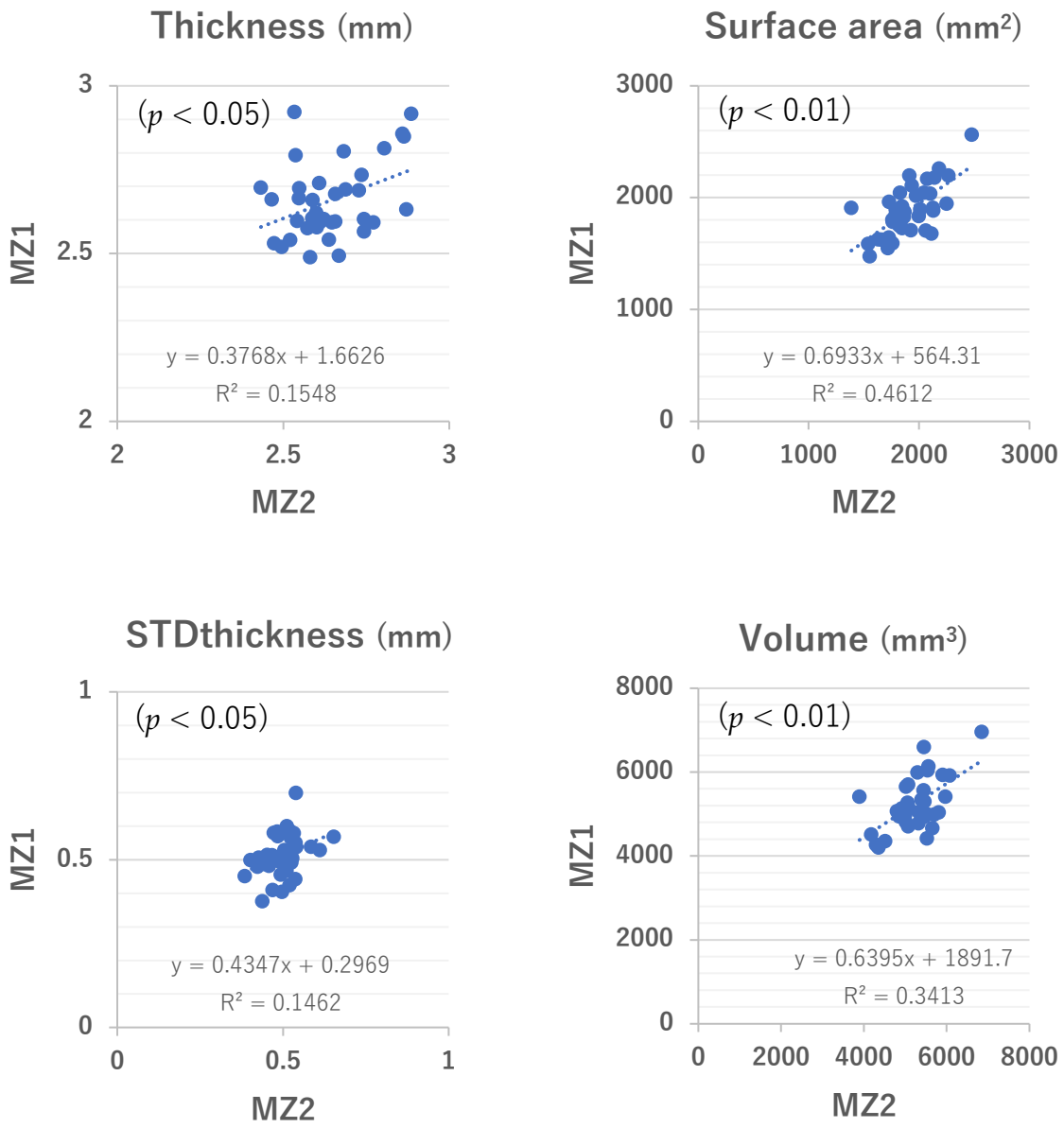


Figure S4b

Right anterior cingulate cortex in Dizygotic twins

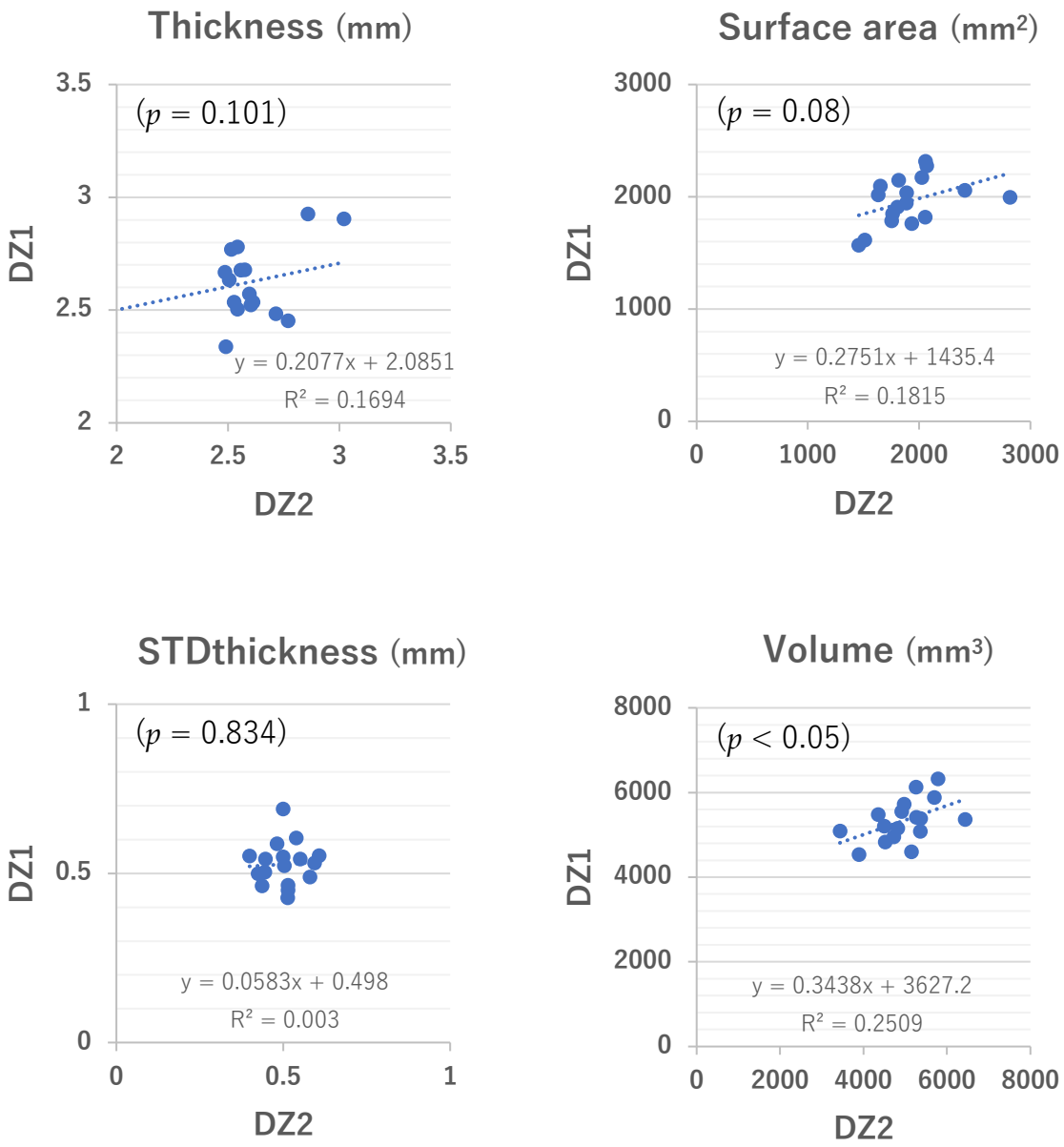


Figure S4c

Right anterior cingulate cortex in Monozygotic twins

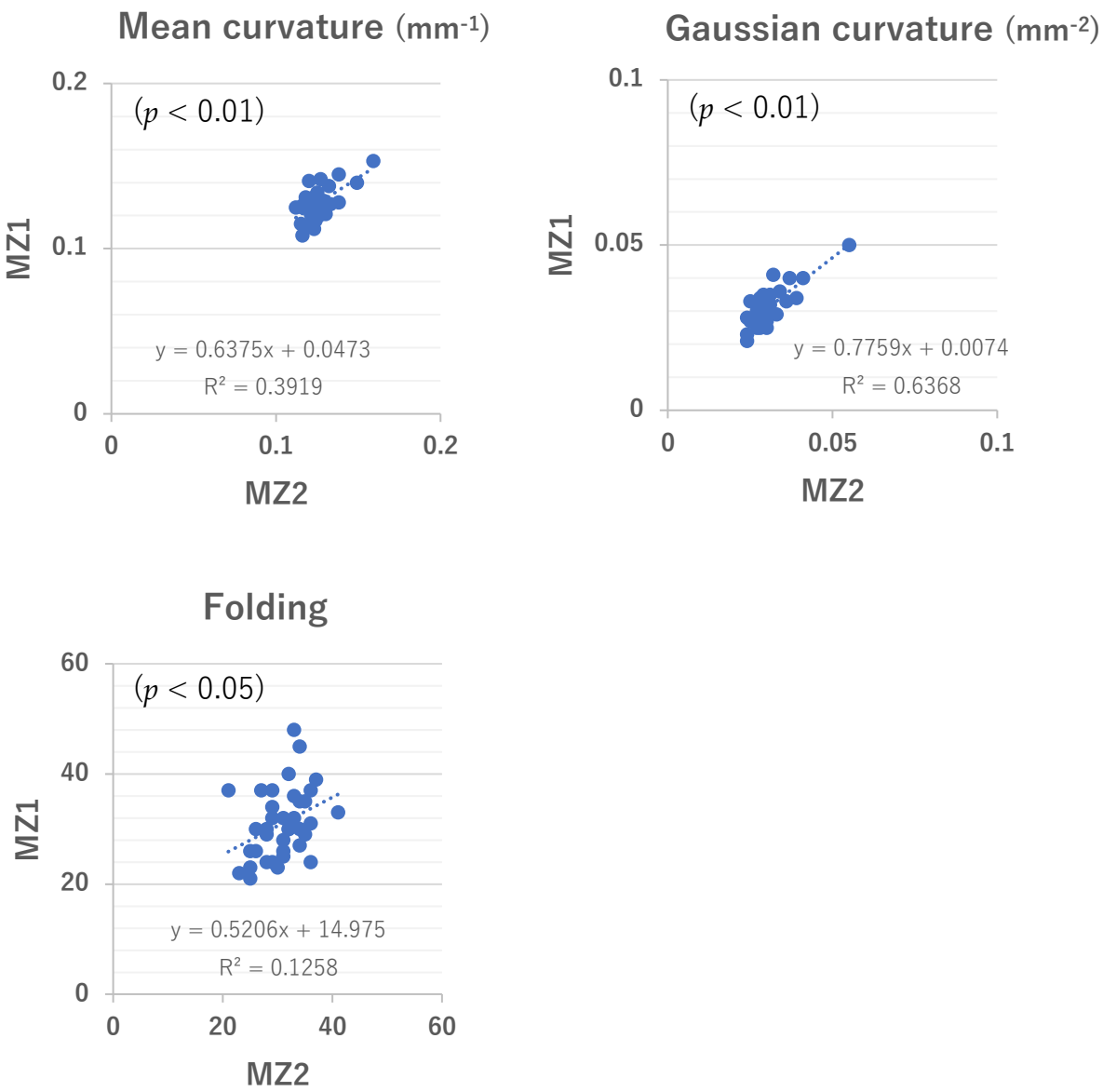
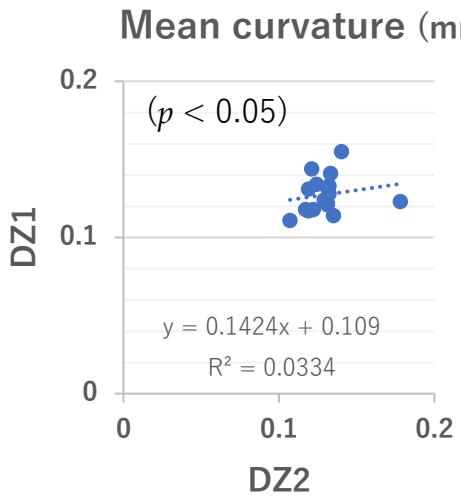
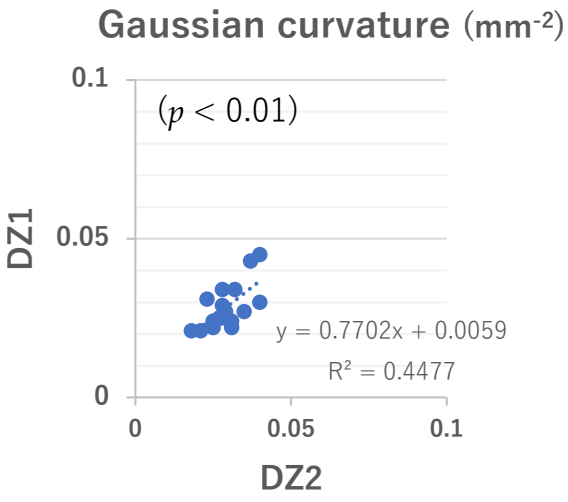


Figure S4d

Right anterior cingulate cortex in Dizygotic twins





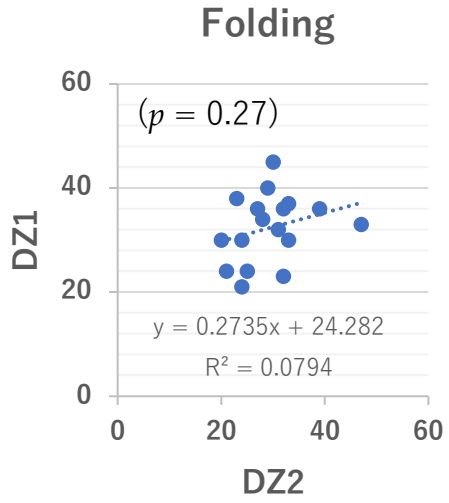


Figure S1 Surface morphological parameter values of the left anterior cingulate cortex correlated with age. (a) Thickness, STDthickness, surface area and volume. (b) Mean curvature, gaussian curvature and folding.

Figure S2 Surface morphological parameter values of the right anterior cingulate cortex correlated with age. (a) Thickness, STDthickness, surface area and volume. (b) Mean curvature, gaussian curvature and folding.

Figure S3 (a) Intra-twin pair correlation of surface morphological parameter values (Mean curvature, gaussian curvature and folding) of the left anterior cingulate cortex in Monozygotic twins. (b) Intra-twin pair correlation of surface morphological parameter values (Mean curvature, gaussian curvature and folding) of the left anterior cingulate cortex in Dizygotic twins.

Figure S4 (a) and (c) Intra-twin pair correlation of surface morphological parameter values of the right anterior cingulate cortex in Monozygotic twins. (b) and (d) Intra-twin pair correlation of surface morphological parameter values of the right anterior cingulate cortex in Dizygotic twins.

NOTE. STDthickness: standard deviation of the thickness