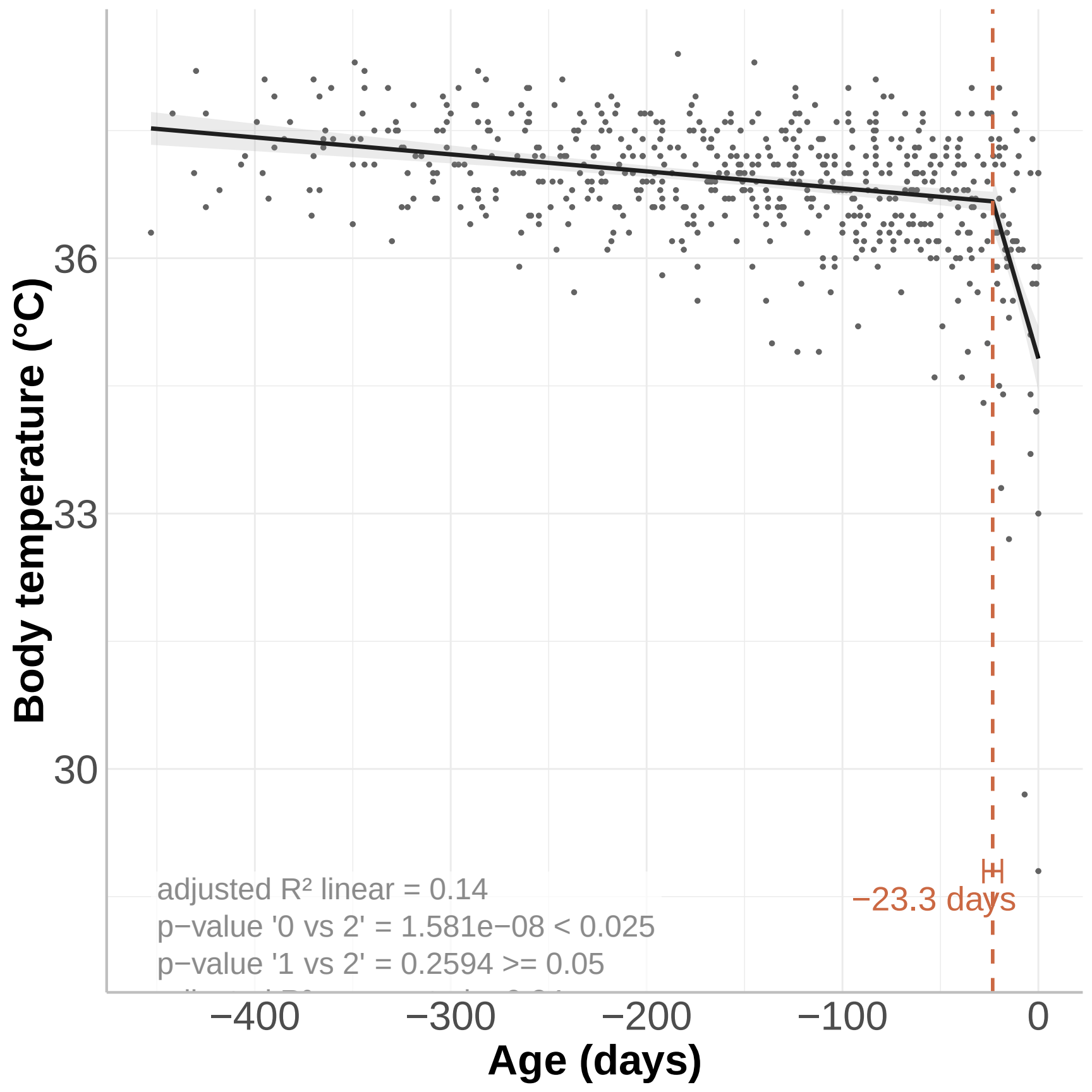
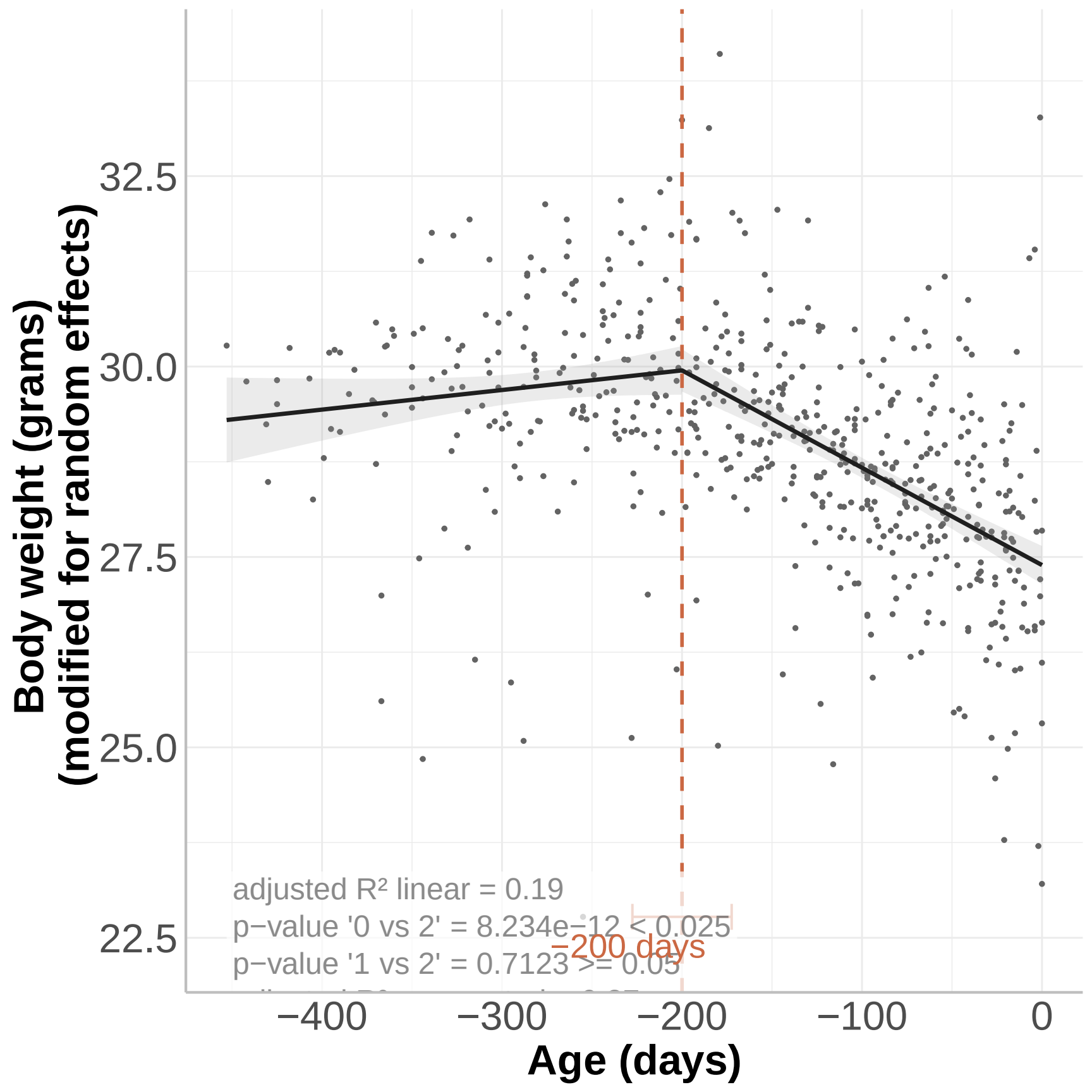
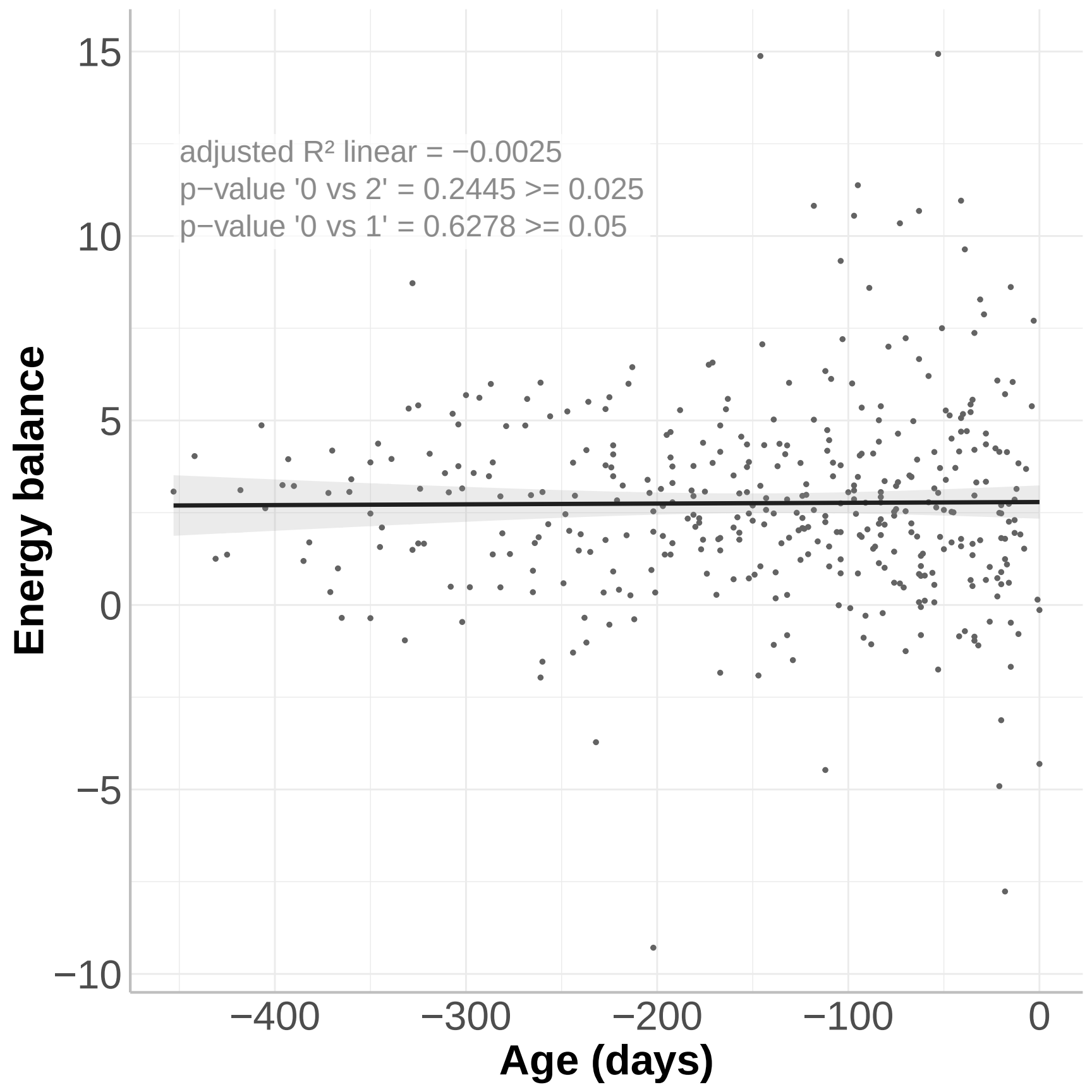
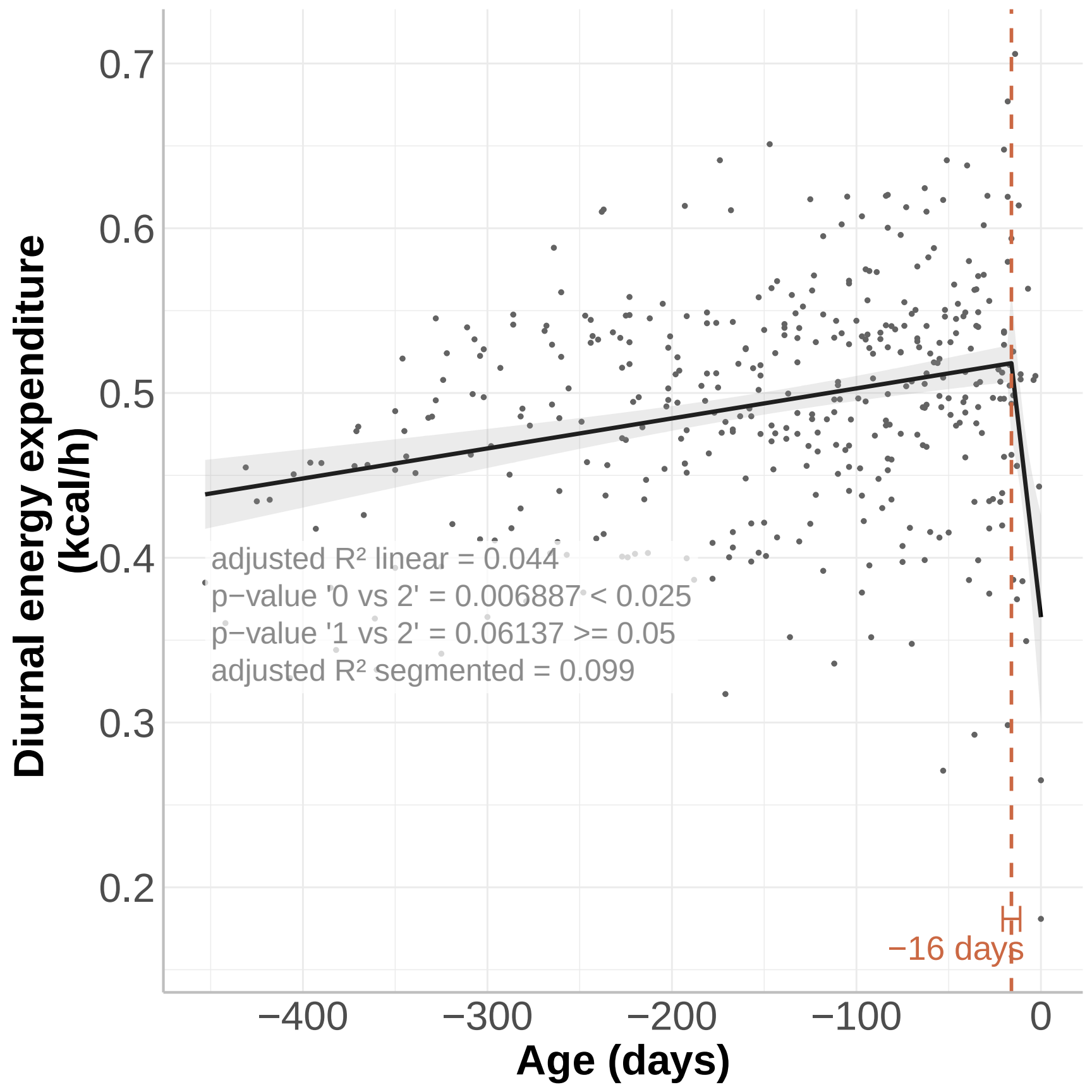
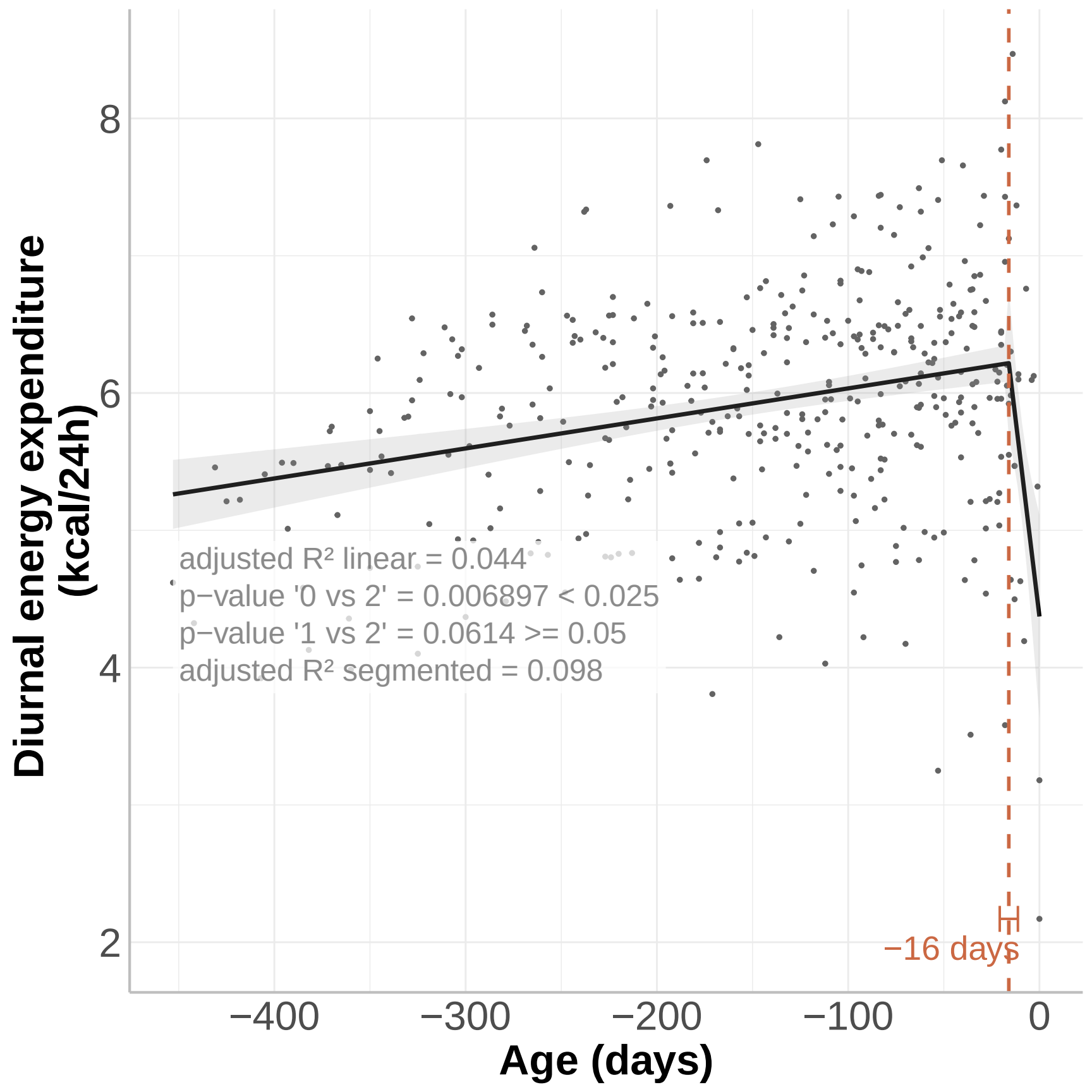
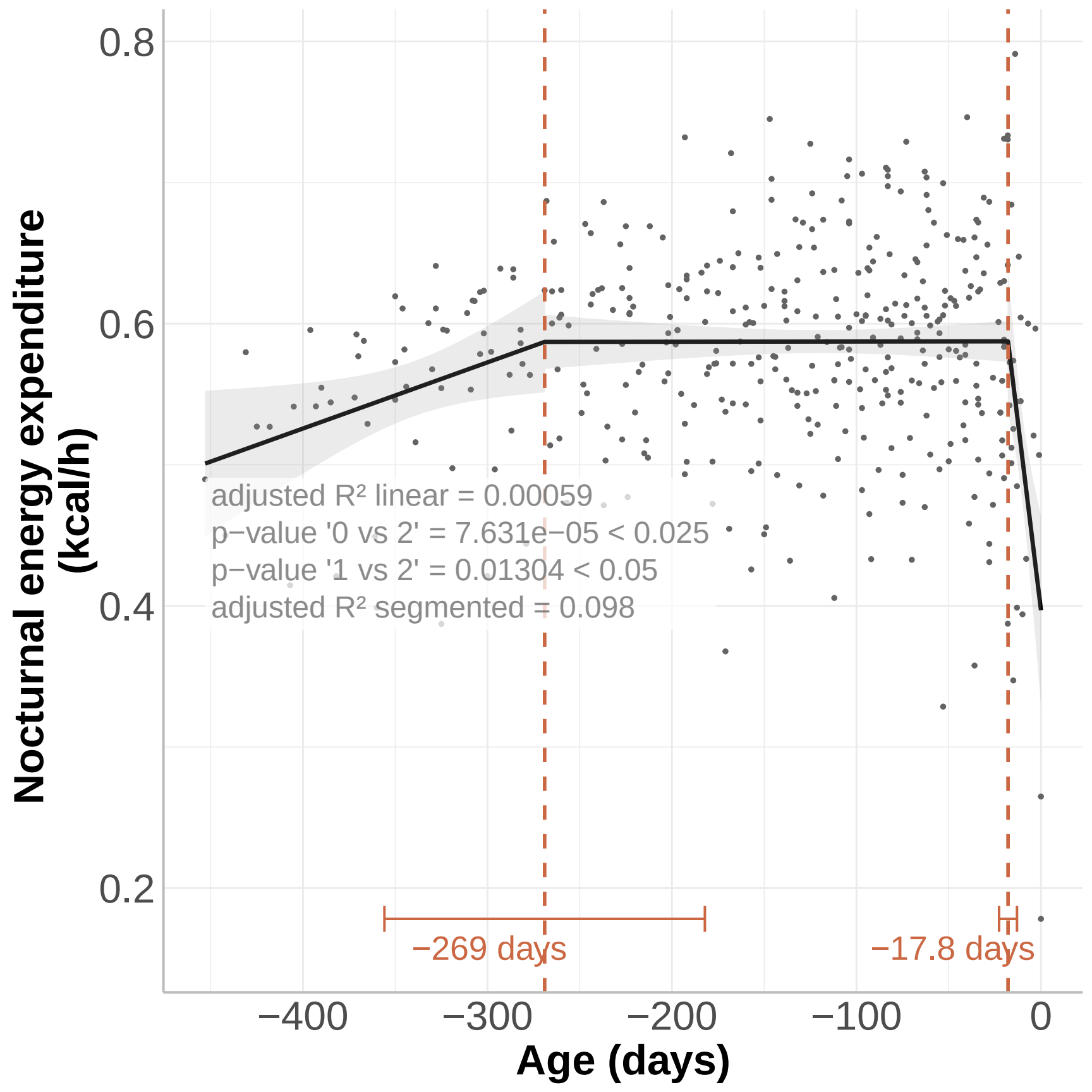

Body temperature (°C)
36
33
30
adjusted R² linear = 0.14
p−value '0 vs 2' = 1.581e−08 < 0.025
p−value '1 vs 2' = 0.2594 >= 0.05
−23.3 days
−400
−300
−200
−100
0
Age (days)

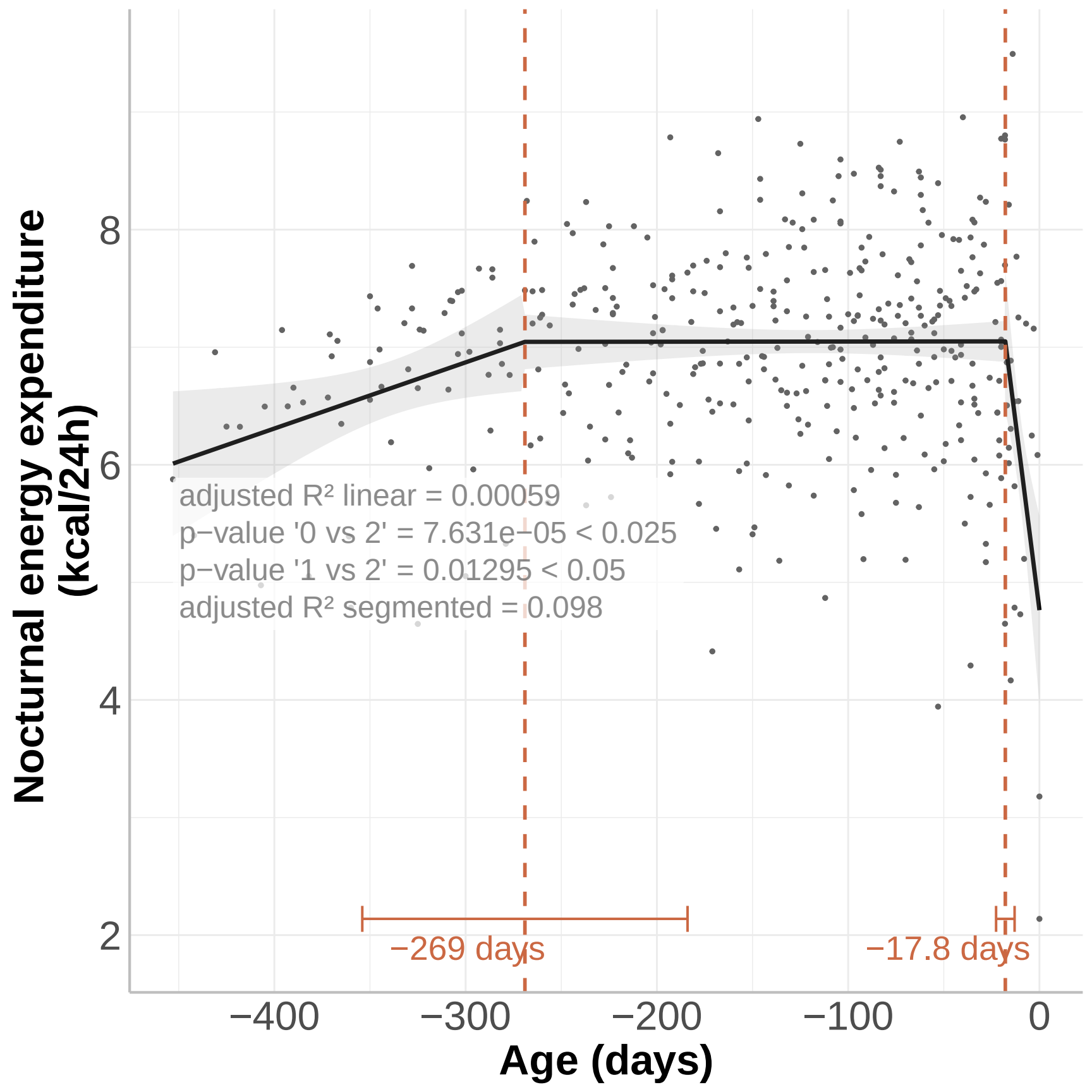

Body weight (grams)
(modified for random effects)
32.5
30.0
27.5
25.0
22.5
−400
−300
−200
−100
0
Age (days)
adjusted R² linear = 0.19
p−value '0 vs 2' = 8.234e−12 < 0.025
p−value '1 vs 2' = 0.7123 >= 0.05
−200 days

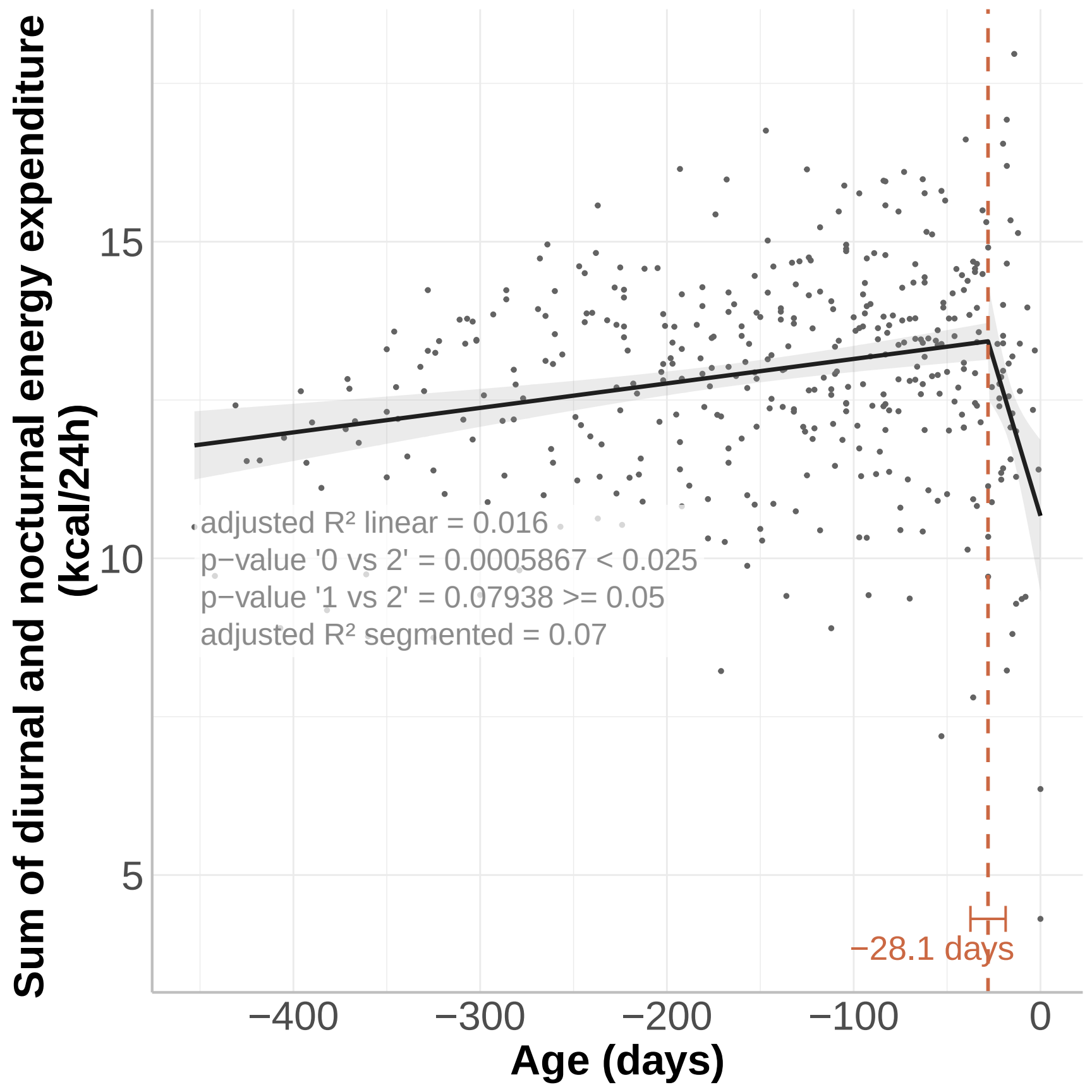

adjusted R² linear = −0.0025
p−value '0 vs 2' = 0.2445 >= 0.025
p−value '0 vs 1' = 0.6278 >= 0.05
Energy balance
15
10
5
0
−5
−10
−400
−300
−200
−100
0
Age (days)

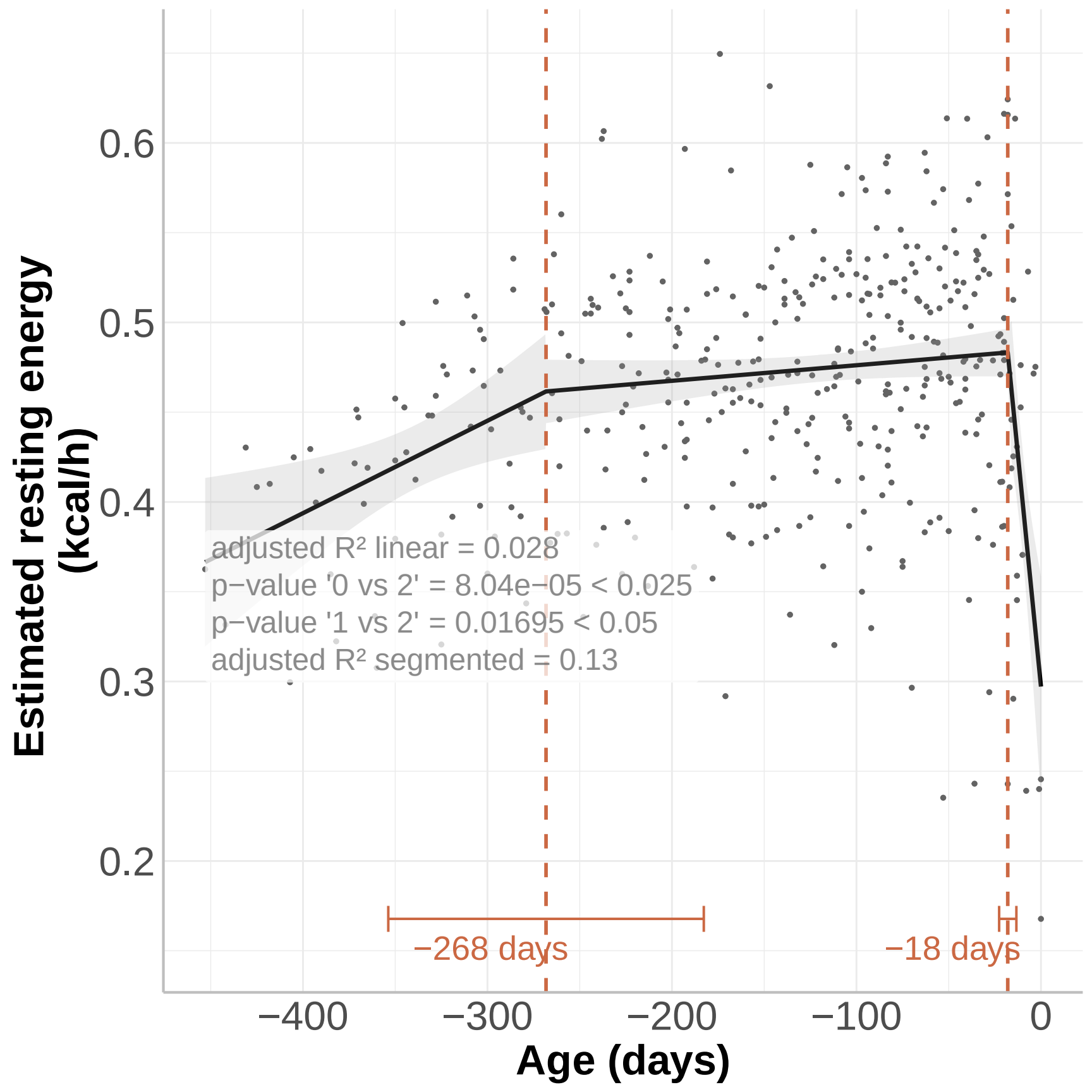

Diurnal energy expenditure (kcal/h)
0.7
0.6
0.5
0.4
0.3
0.2
adjusted R² linear = 0.044
p−value '0 vs 2' = 0.006887 < 0.025
p−value '1 vs 2' = 0.06137 >= 0.05
adjusted R² segmented = 0.099
−16 days
−400
−300
−200
−100
0
Age (days)

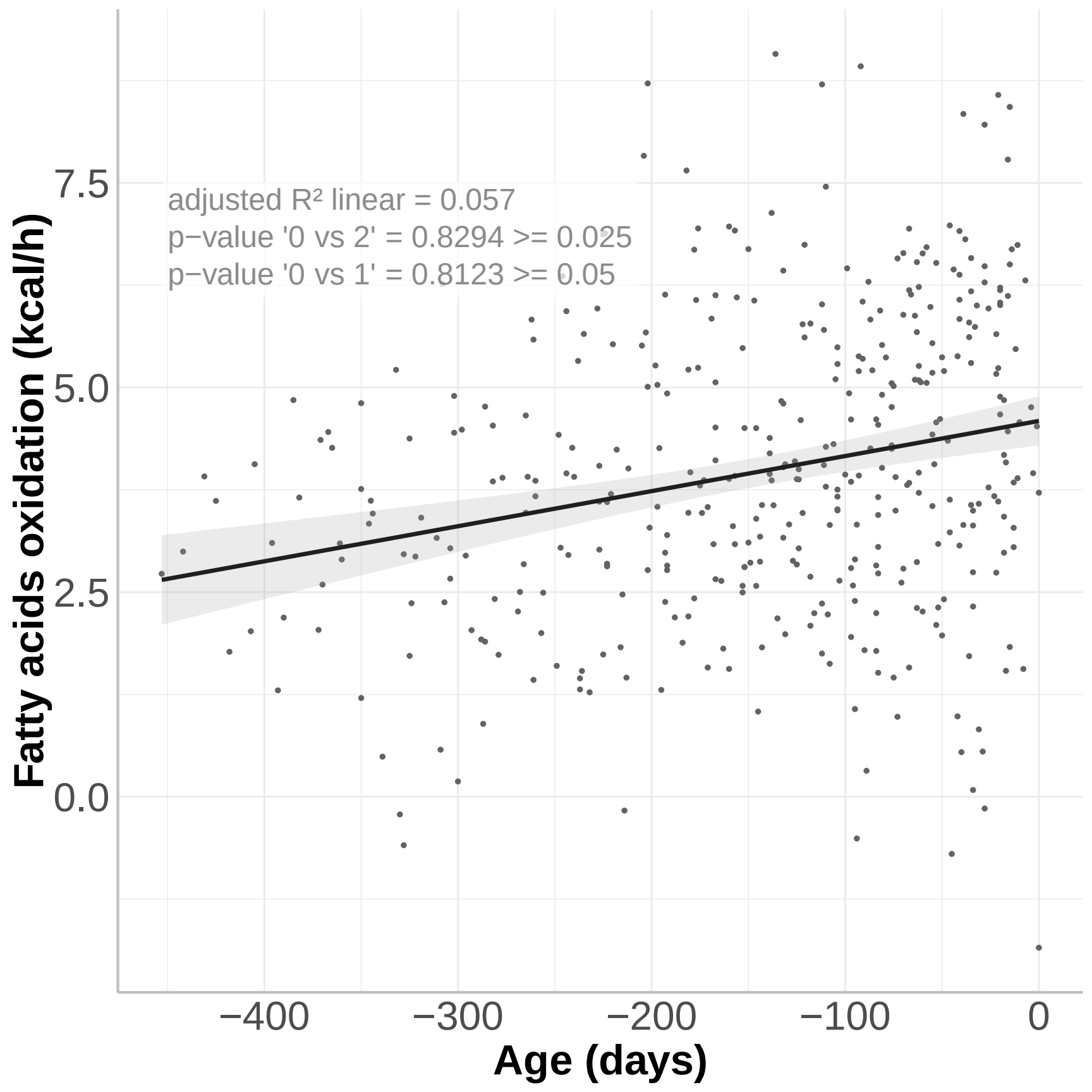

Diurnal energy expenditure (kcal/24h)
8
6
4
2
adjusted R² linear = 0.044
p−value '0 vs 2' = 0.006897 < 0.025
p−value '1 vs 2' = 0.0614 >= 0.05
adjusted R² segmented = 0.098
−16 days
−400
−300
−200
−100
0
Age (days)

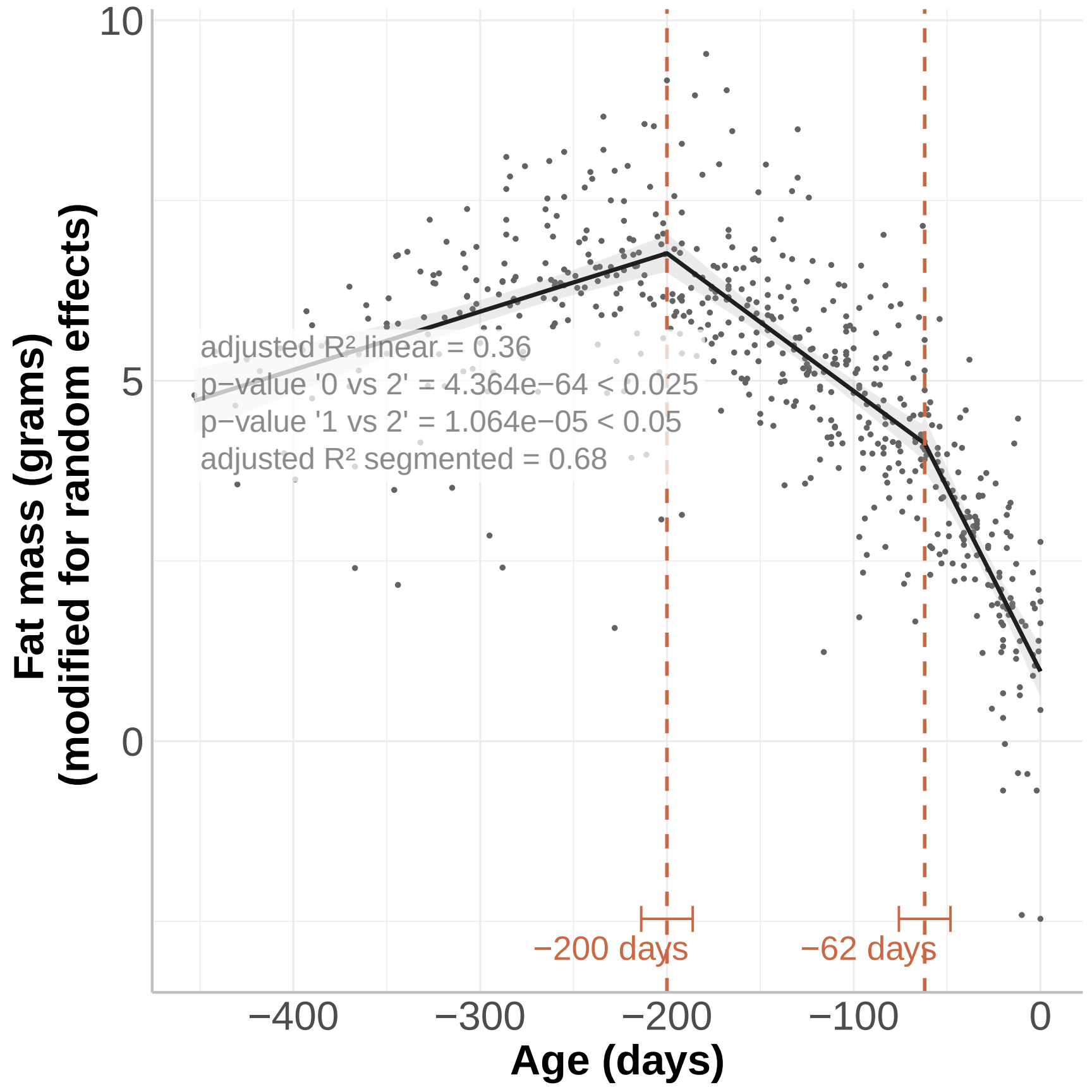

Nocturnal energy expenditure (kcal/h)
0.8
0.6
0.4
0.2
adjusted R² linear = 0.00059
p−value '0 vs 2' = 7.631e−05 < 0.025
p−value '1 vs 2' = 0.01304 < 0.05
adjusted R² segmented = 0.098
−269 days
−17.8 days
−400
−300
−200
−100
0
Age (days)

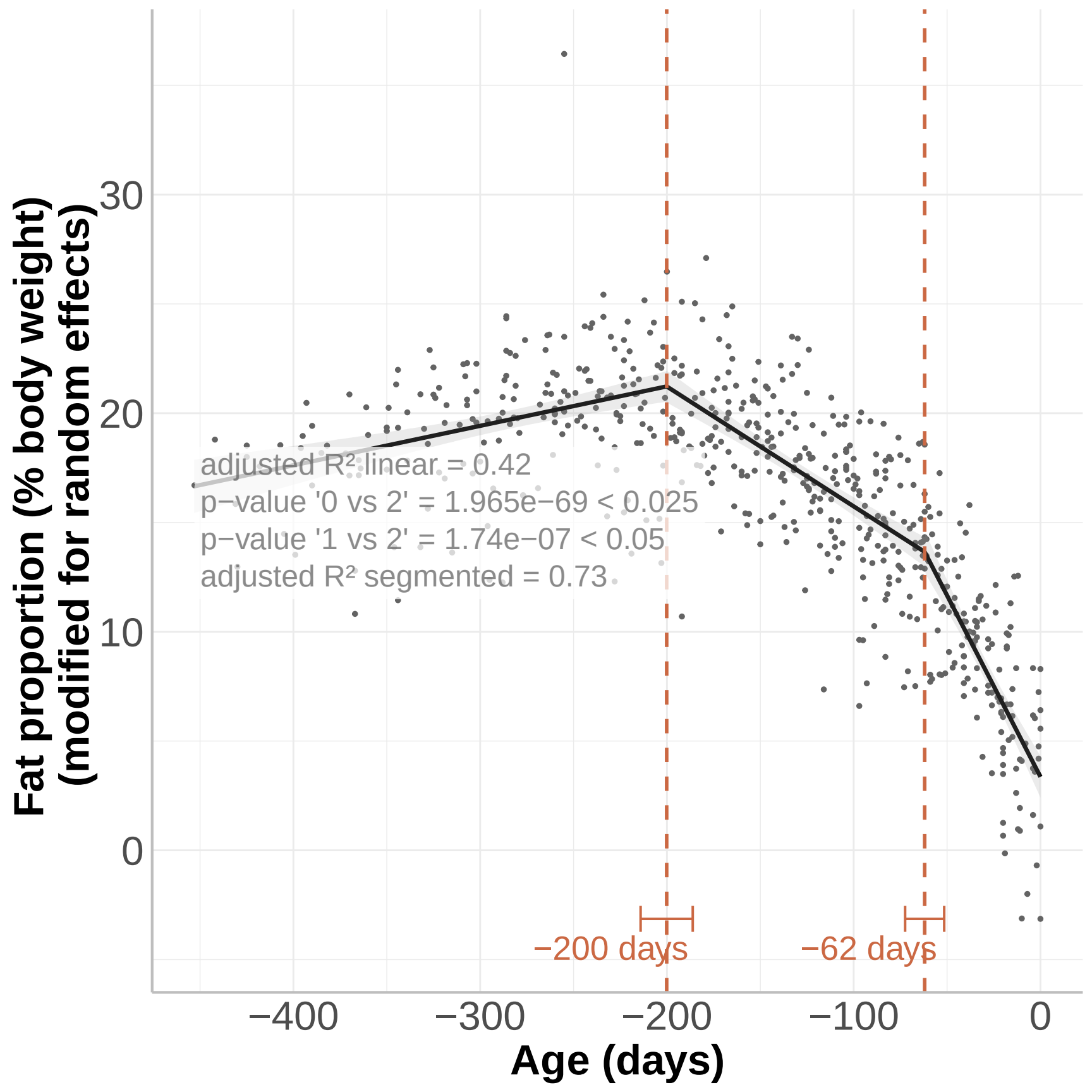

Nocturnal energy expenditure (kcal/24h)
8
6
4
2
adjusted R² linear = 0.00059
p−value '0 vs 2' = 7.631e−05 < 0.025
p−value '1 vs 2' = 0.01295 < 0.05
adjusted R² segmented = 0.098
−269 days
−17.8 days
−400
−300
−200
−100
0
Age (days)

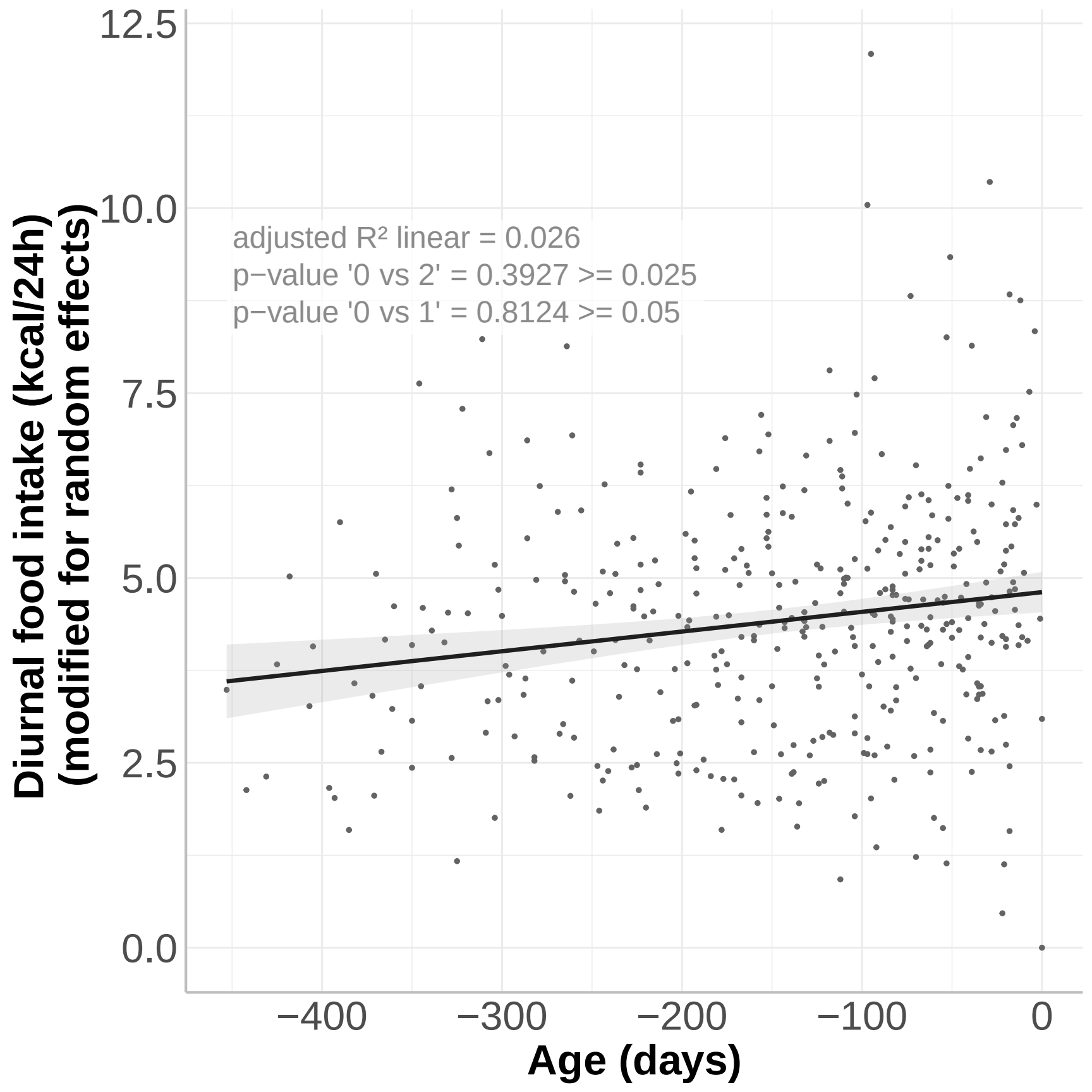

Sum of diurnal and nocturnal energy expenditure (kcal/24h)
15
10
5
adjusted R² linear = 0.016
p−value '0 vs 2' = 0.0005867 < 0.025
p−value '1 vs 2' = 0.07938 >= 0.05
adjusted R² segmented = 0.07
−28.1 days
−400
−300
−200
−100
0
Age (days)

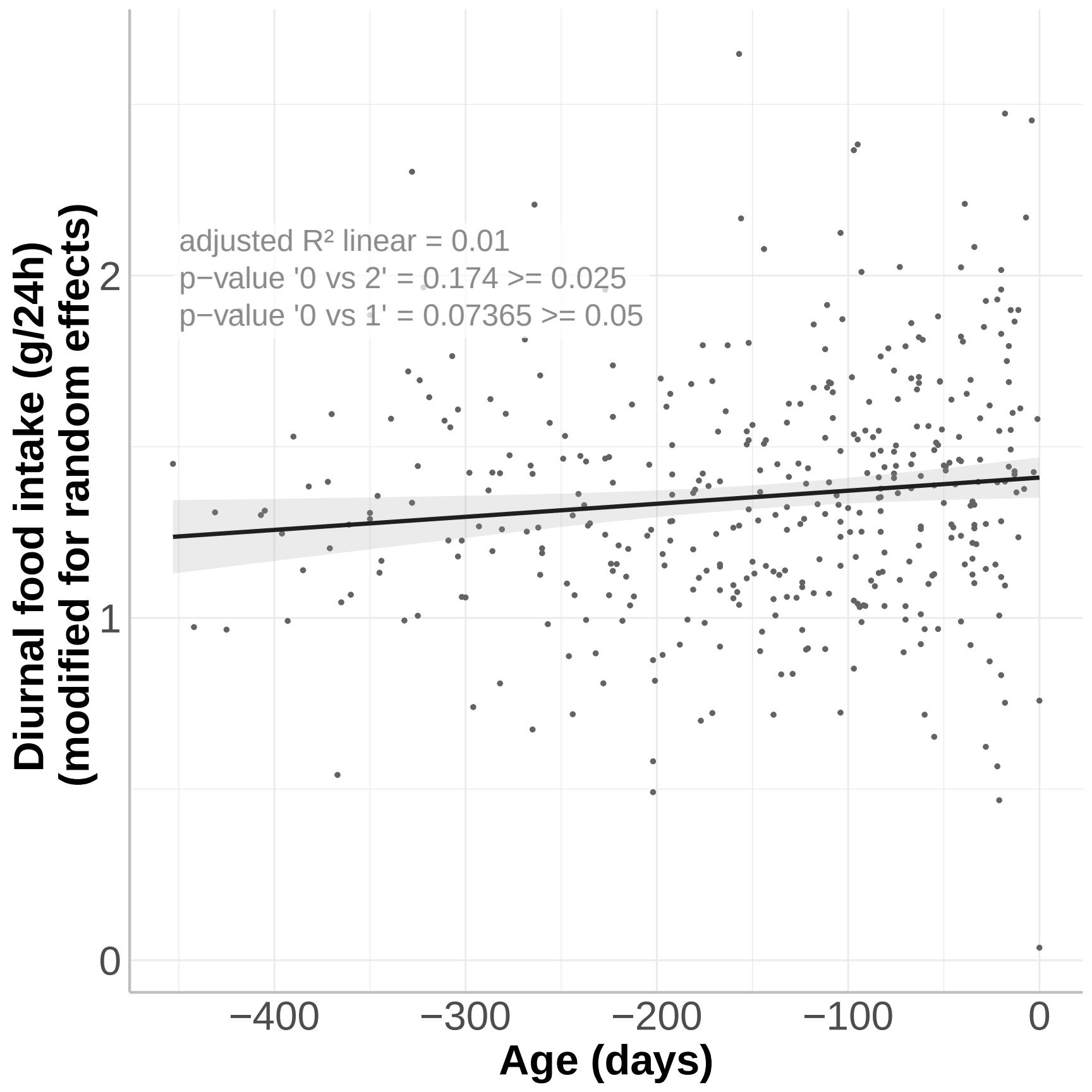

Estimated resting energy (kcal/h)
0.6
0.5
0.4
0.3
0.2
adjusted R² linear = 0.028
p−value '0 vs 2' = 8.04e−05 < 0.025
p−value '1 vs 2' = 0.01695 < 0.05
adjusted R² segmented = 0.13
−268 days
−18 days
−400
−300
−200
−100
0
Age (days)

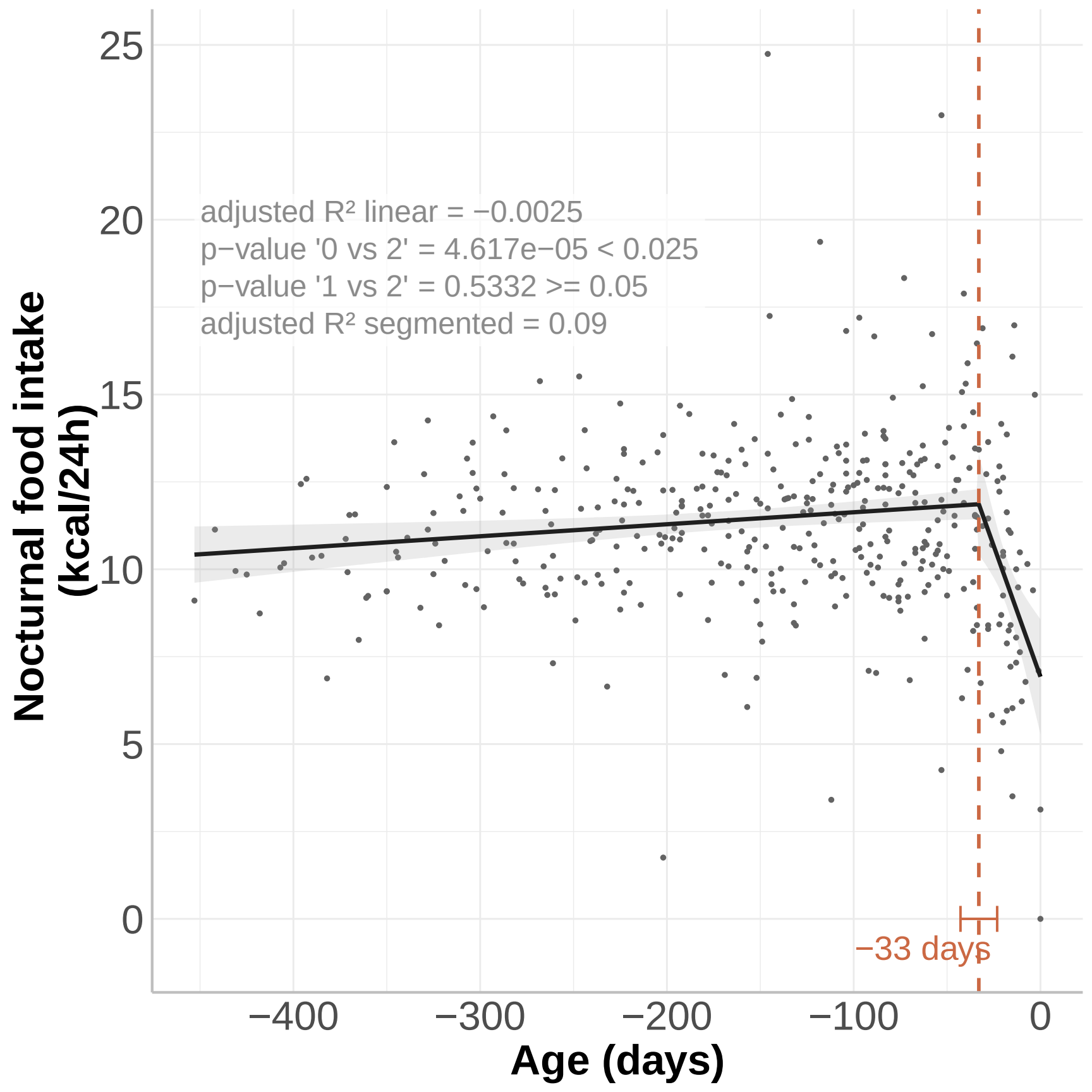

adjusted R² linear = 0.057
p−value '0 vs 2' = 0.8294 >= 0.025
p−value '0 vs 1' = 0.8123 >= 0.05
Fatty acids oxidation (kcal/h)
7.5
5.0
2.5
0.0
−400
−300
−200
−100
0
Age (days)

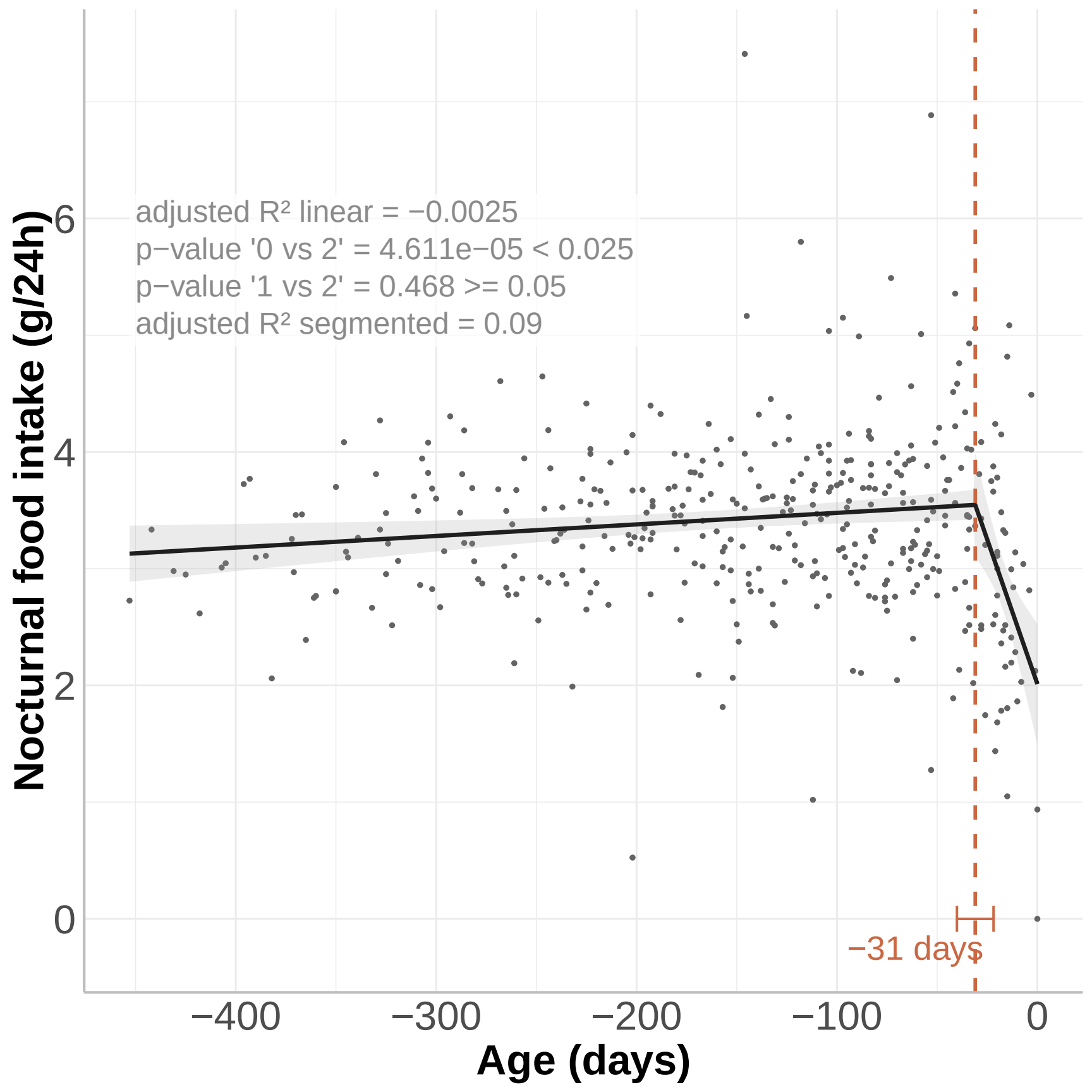

10
5
0
Fat mass (grams)
(modified for random effects)
adjusted R² linear = 0.36
p−value '0 vs 2' = 4.364e−64 < 0.025
p−value '1 vs 2' = 1.064e−05 < 0.05
adjusted R² segmented = 0.68
−200 days
−62 days
−400
−300
−200
−100
0
Age (days)

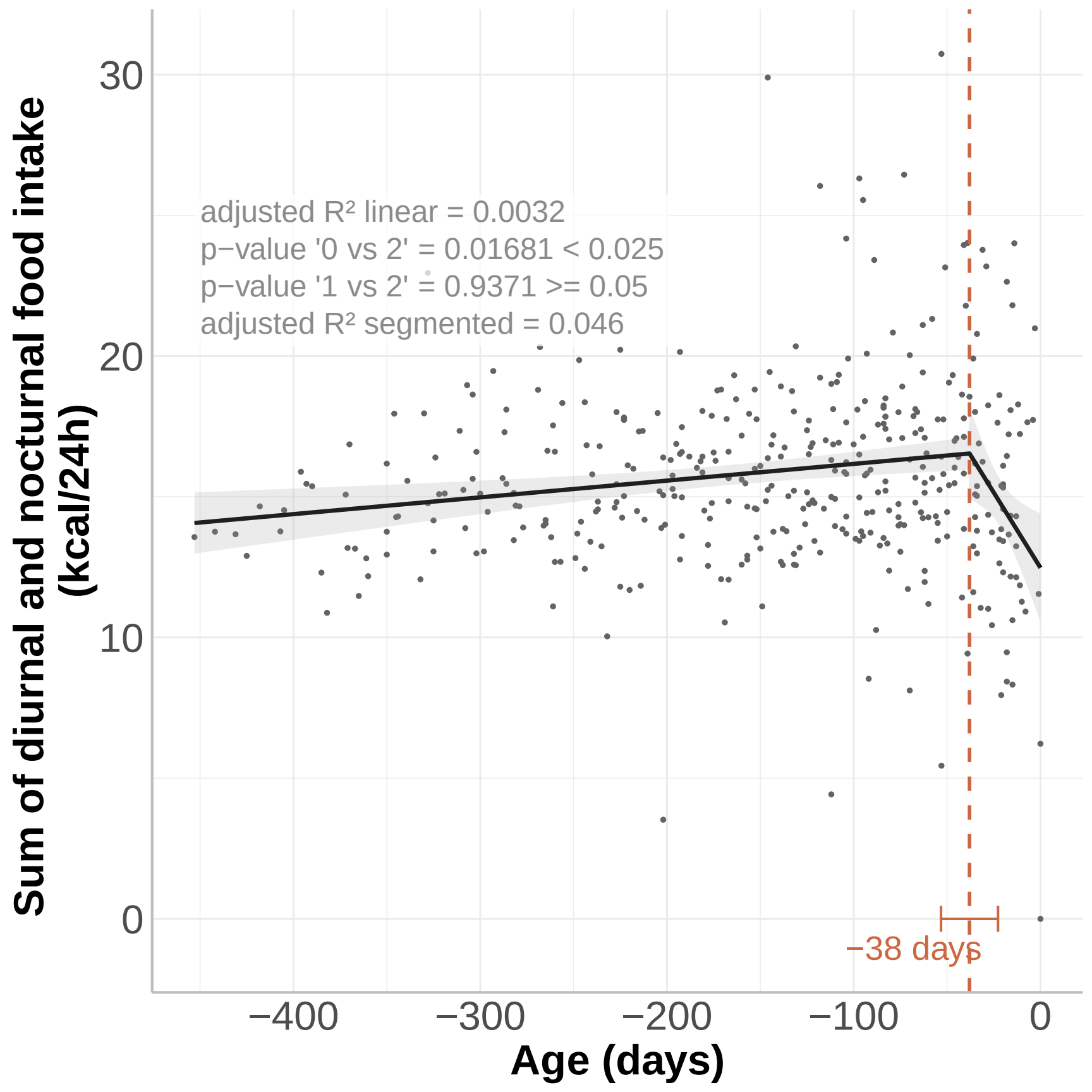

Fat proportion (% body weight)
(modified for random effects)
30
20
10
0
adjusted R² linear = 0.42
p−value '0 vs 2' = 1.965e−69 < 0.025
p−value '1 vs 2' = 1.74e−07 < 0.05
adjusted R² segmented = 0.73
−200 days
−62 days
−400
−300
−200
−100
0
Age (days)

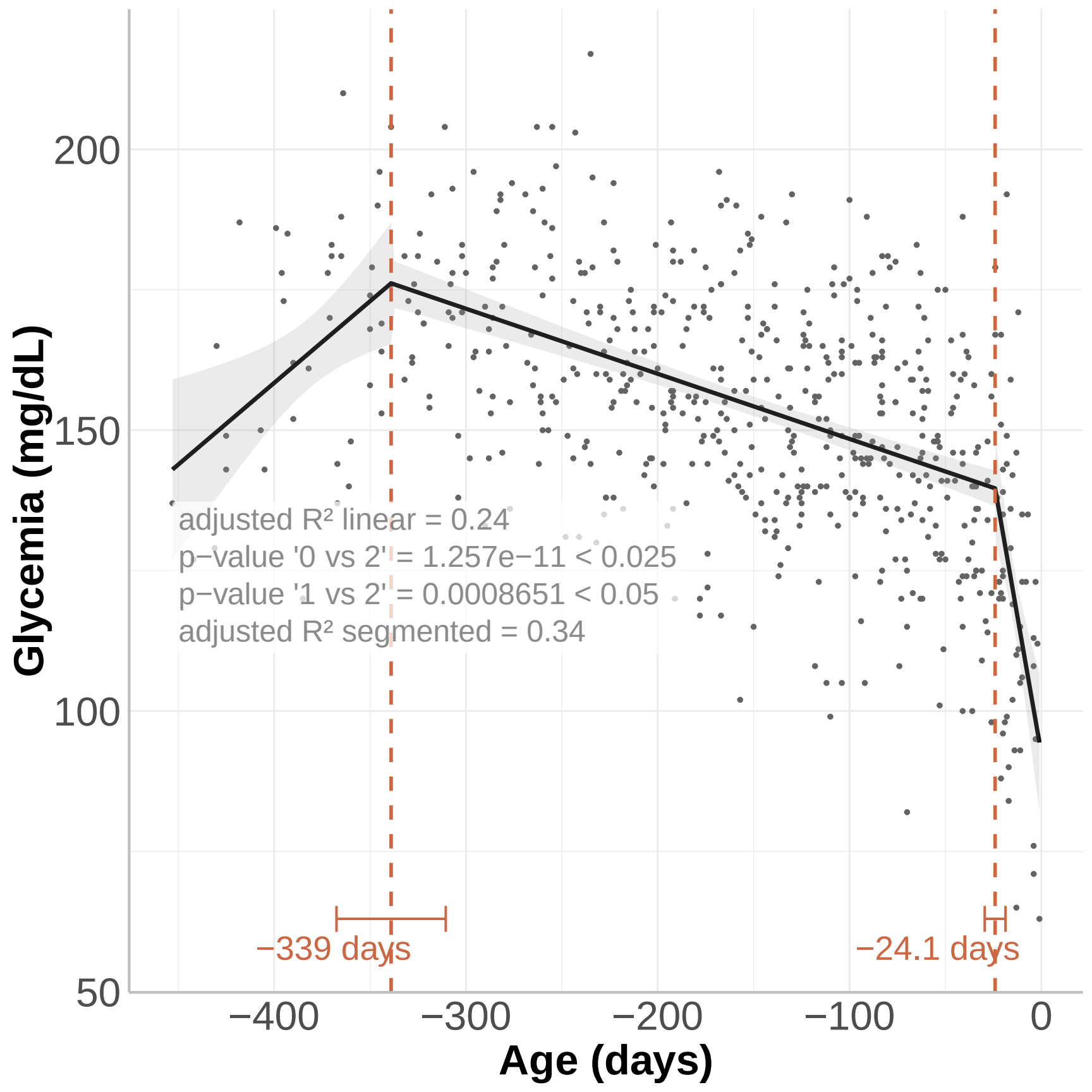

Diurnal food intake (kcal/24h)
(modified for random effects)
12.5
10.0
7.5
5.0
2.5
0.0
adjusted R² linear = 0.026
p−value '0 vs 2' = 0.3927 >= 0.025
p−value '0 vs 1' = 0.8124 >= 0.05
−400
−300
−200
−100
0
Age (days)

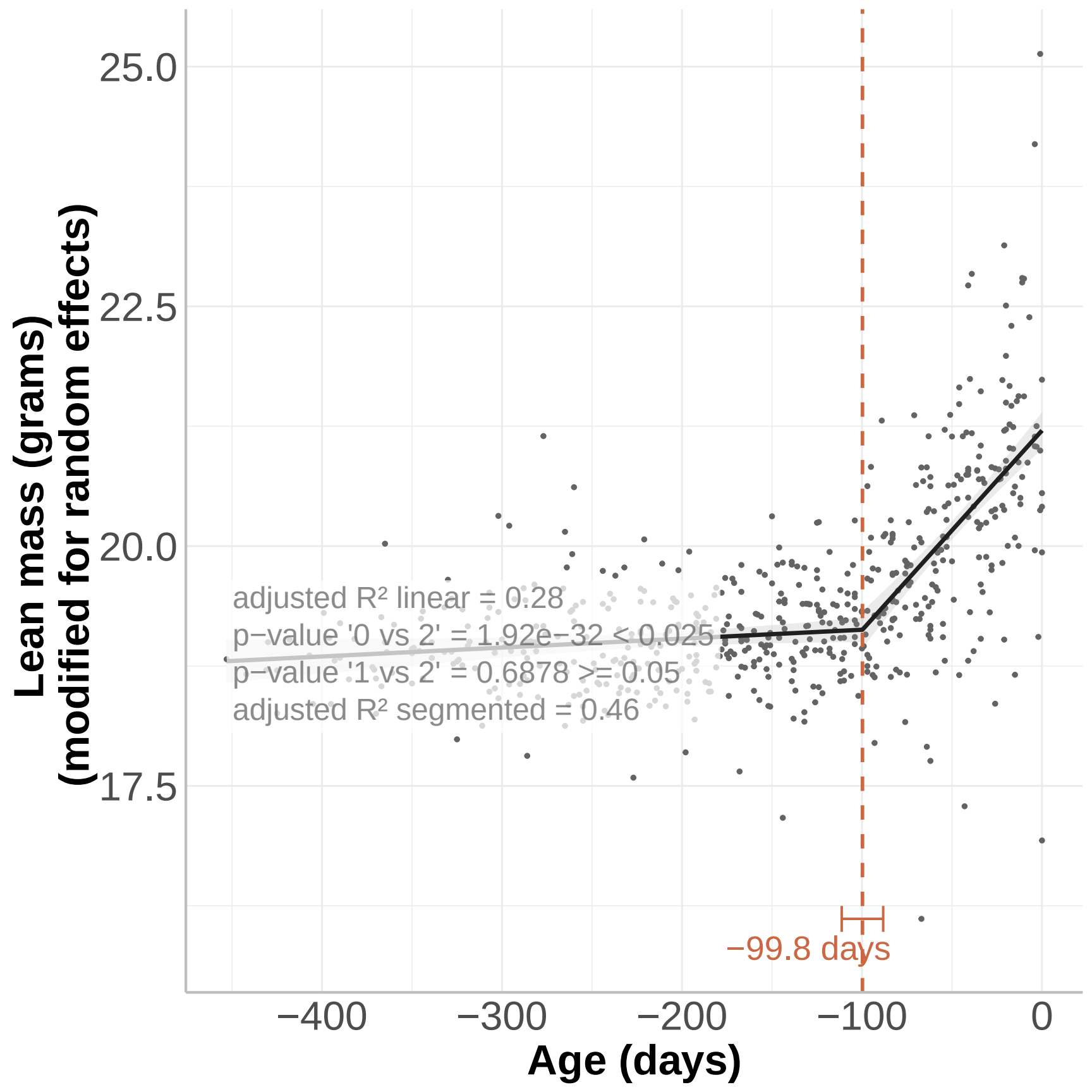

adjusted R² linear = 0.01
p−value '0 vs 2' = 0.174 >= 0.025
p−value '0 vs 1' = 0.07365 >= 0.05
Diurnal food intake (g/24h)
(modified for random effects)
0
1
2
−400
−300
−200
−100
0
Age (days)

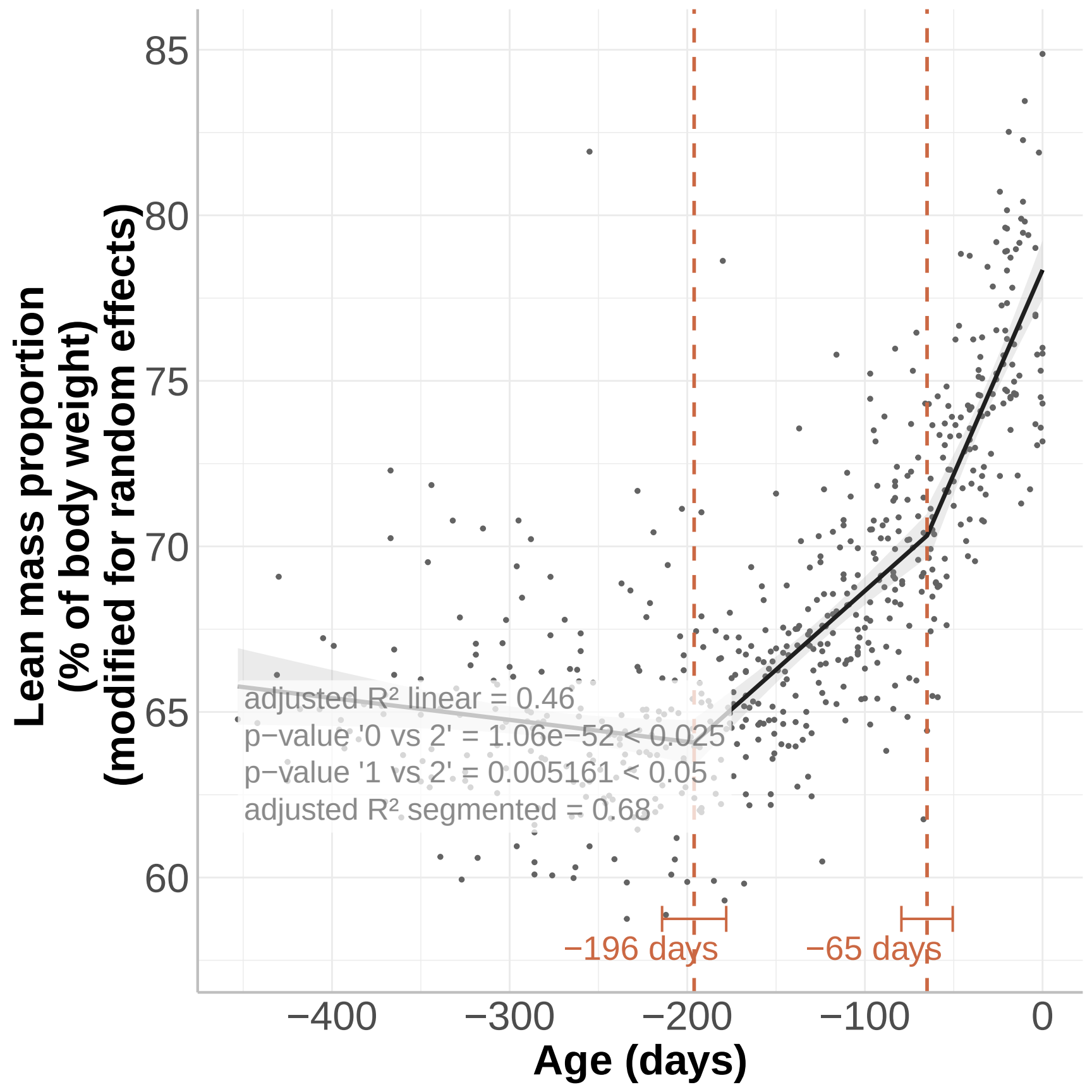

adjusted R² linear = −0.0025
p−value '0 vs 2' = 4.617e−05 < 0.025
p−value '1 vs 2' = 0.5332 >= 0.05
adjusted R² segmented = 0.09
−33 days
Nocturnal food intake (kcal/24h)
Age (days)
25
20
15
10
5
0
−400
−300
−200
−100
0

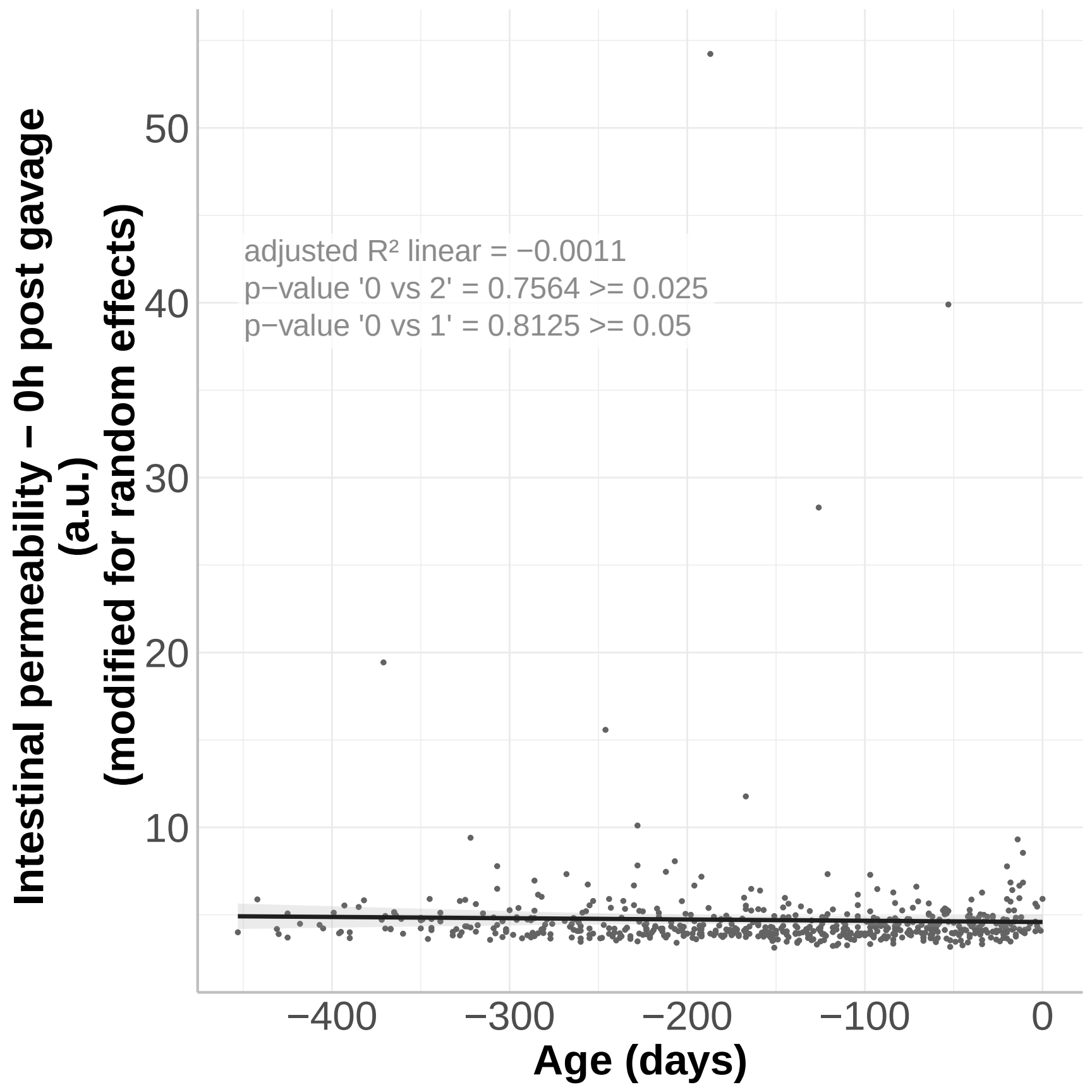

adjusted R² linear = −0.0025
p−value '0 vs 2' = 4.611e−05 < 0.025
p−value '1 vs 2' = 0.468 >= 0.05
adjusted R² segmented = 0.09
Nocturnal food intake (g/24h)
6
4
2
0
−400
−300
−200
−100
0
Age (days)
−31 days

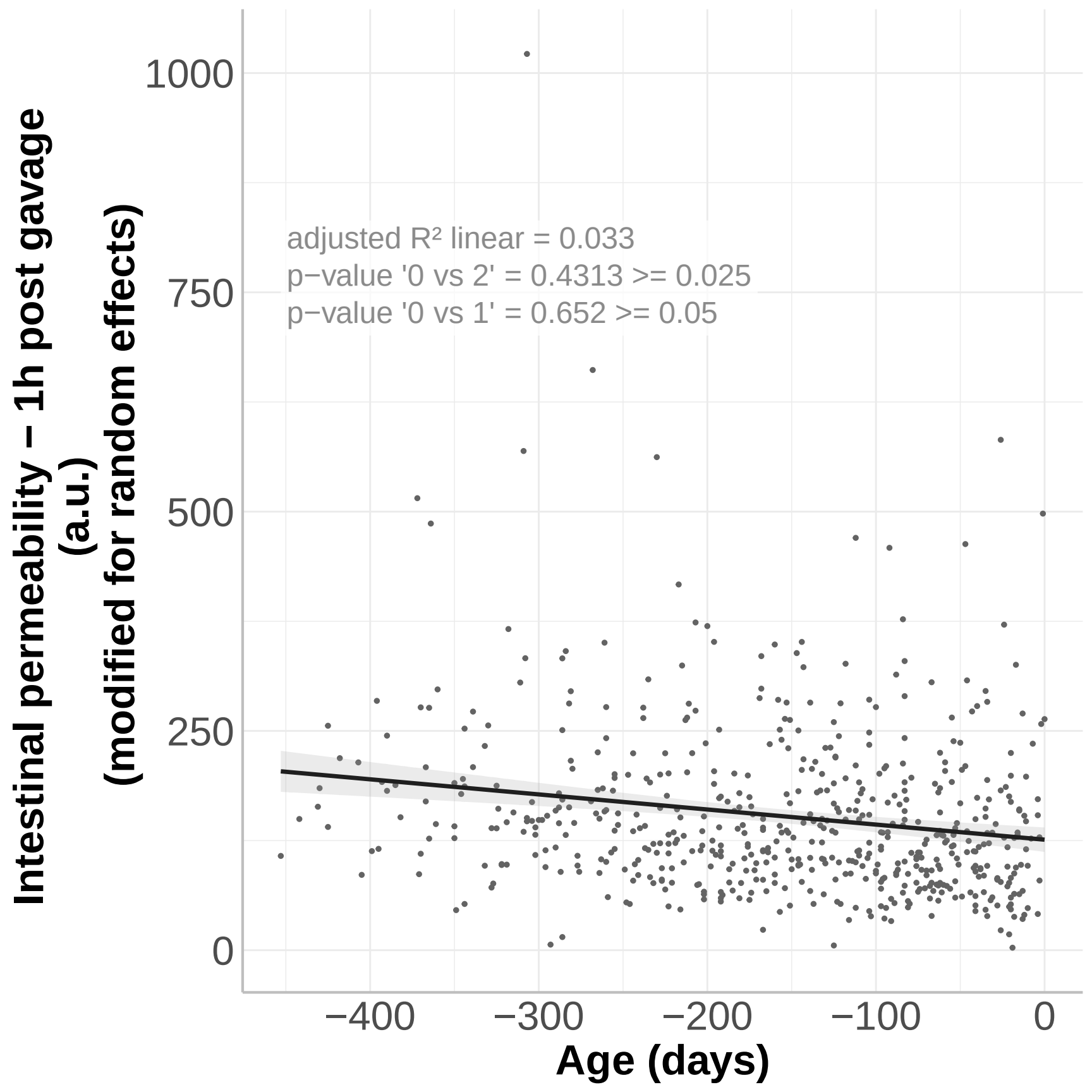

adjusted R² linear = 0.0032
p−value '0 vs 2' = 0.01681 < 0.025
p−value '1 vs 2' = 0.9371 >= 0.05
adjusted R² segmented = 0.046
−38 days
Sum of diurnal and nocturnal food intake (kcal/24h)
30
20
10
0
−400
−300
−200
−100
0
Age (days)

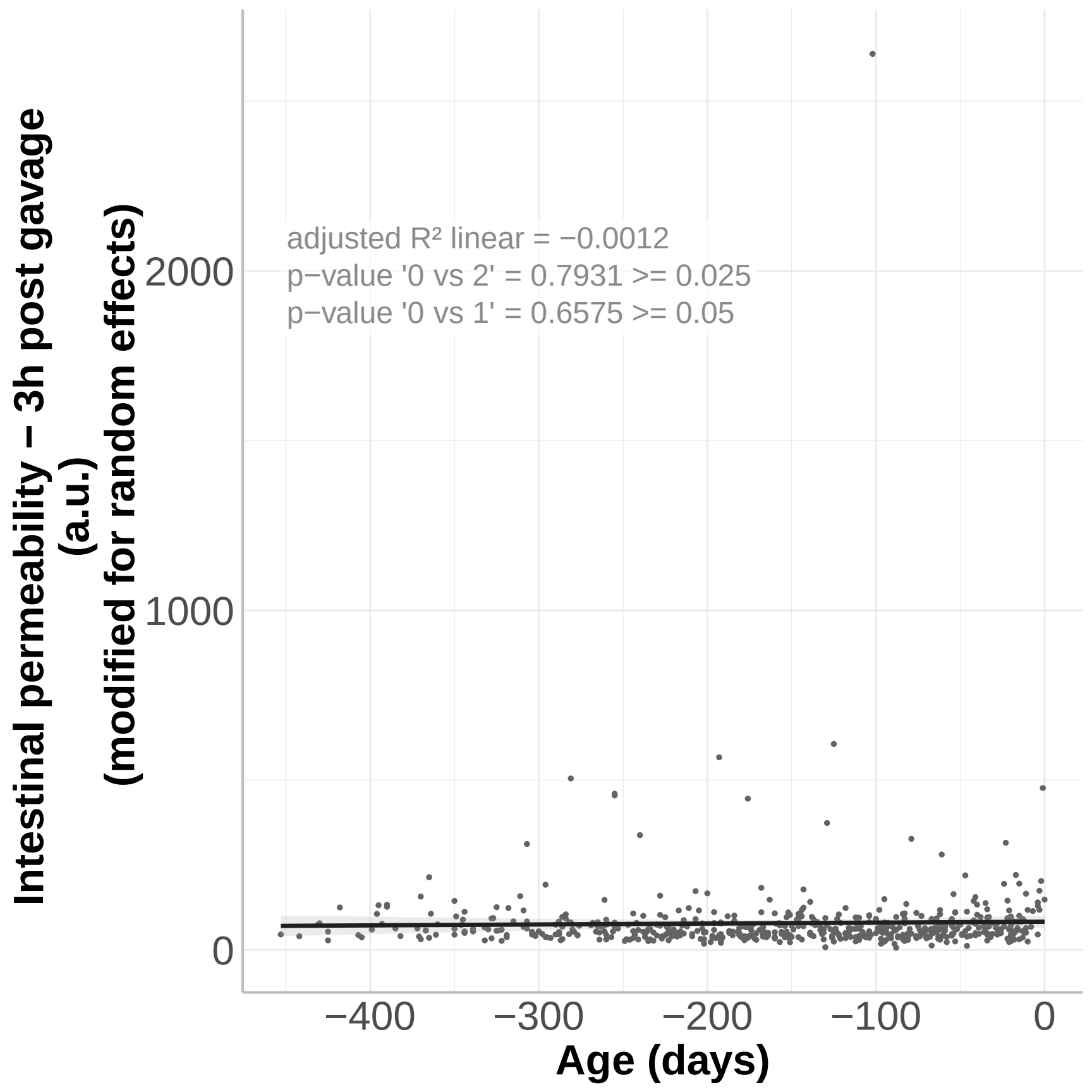

Glycemia (mg/dL)
200
150
100
50
−400
−300
−200
−100
0
Age (days)
adjusted R² linear = 0.24
p−value '0 vs 2' = 1.257e−11 < 0.025
p−value '1 vs 2' = 0.0008651 < 0.05
adjusted R² segmented = 0.34
−339 days
−24.1 days

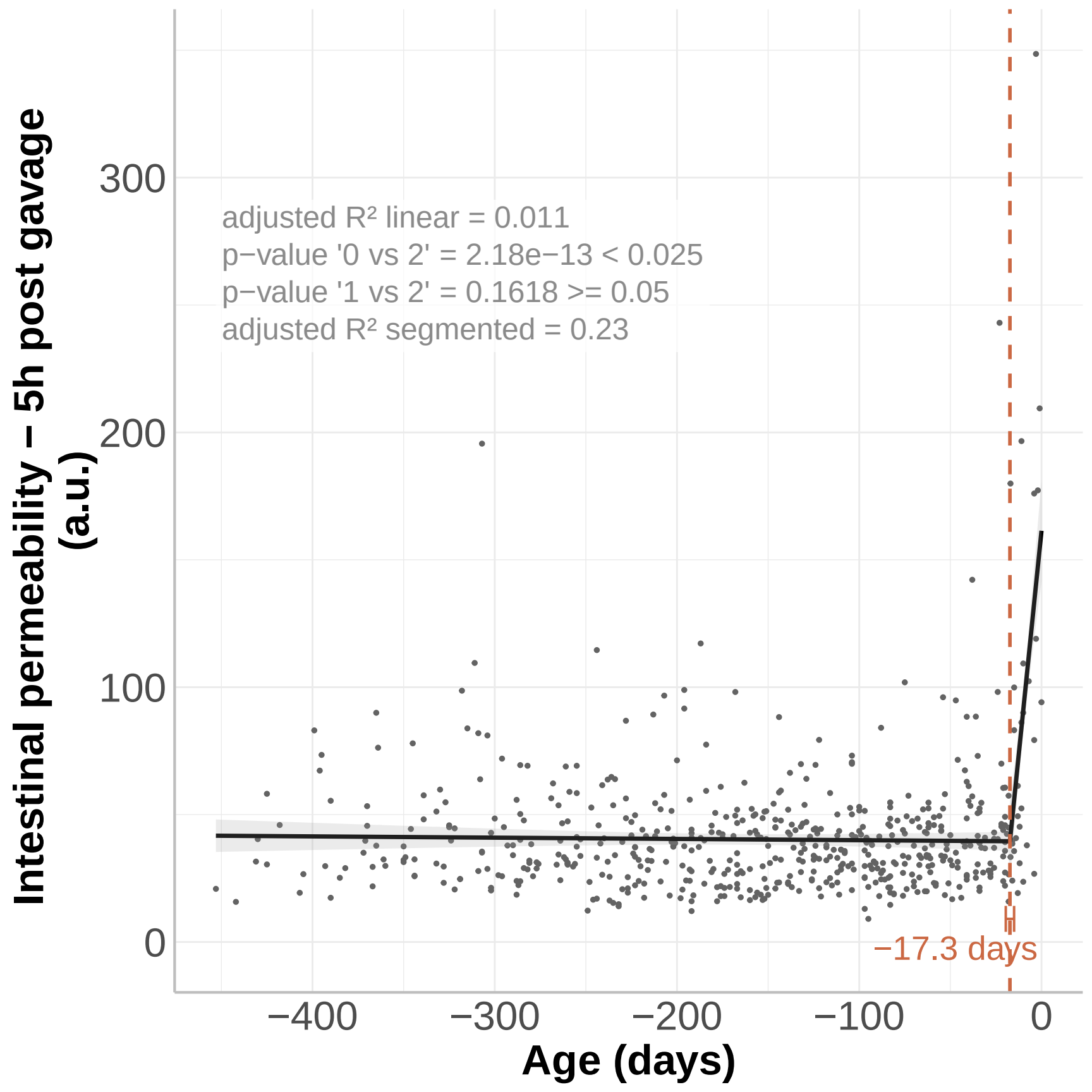

Lean mass (grams)
(modified for random effects)
25.0
22.5
20.0
17.5
adjusted R² linear = 0.28
p−value '0 vs 2' = 1.92e−32 < 0.025
p−value '1 vs 2' = 0.6878 >= 0.05
adjusted R² segmented = 0.46
−99.8 days
−400
−300
−200
−100
0
Age (days)

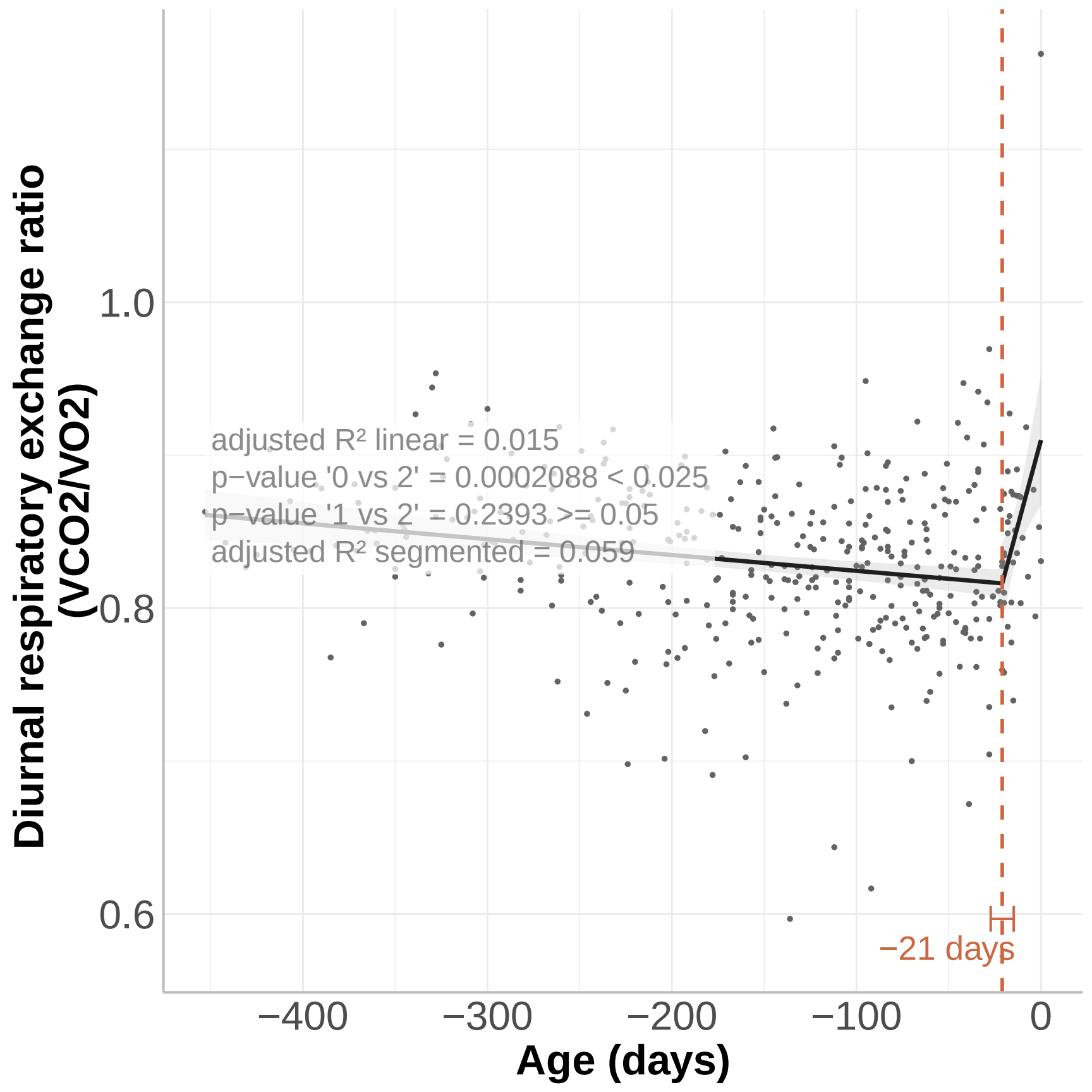

Lean mass proportion
(% of body weight)
(modified for random effects)
85
80
75
70
65
60
adjusted R² linear = 0.46
p−value '0 vs 2' = 1.06e−52 < 0.025
p−value '1 vs 2' = 0.005161 < 0.05
adjusted R² segmented = 0.68
−196 days
−65 days
−400
−300
−200
−100
0
Age (days)

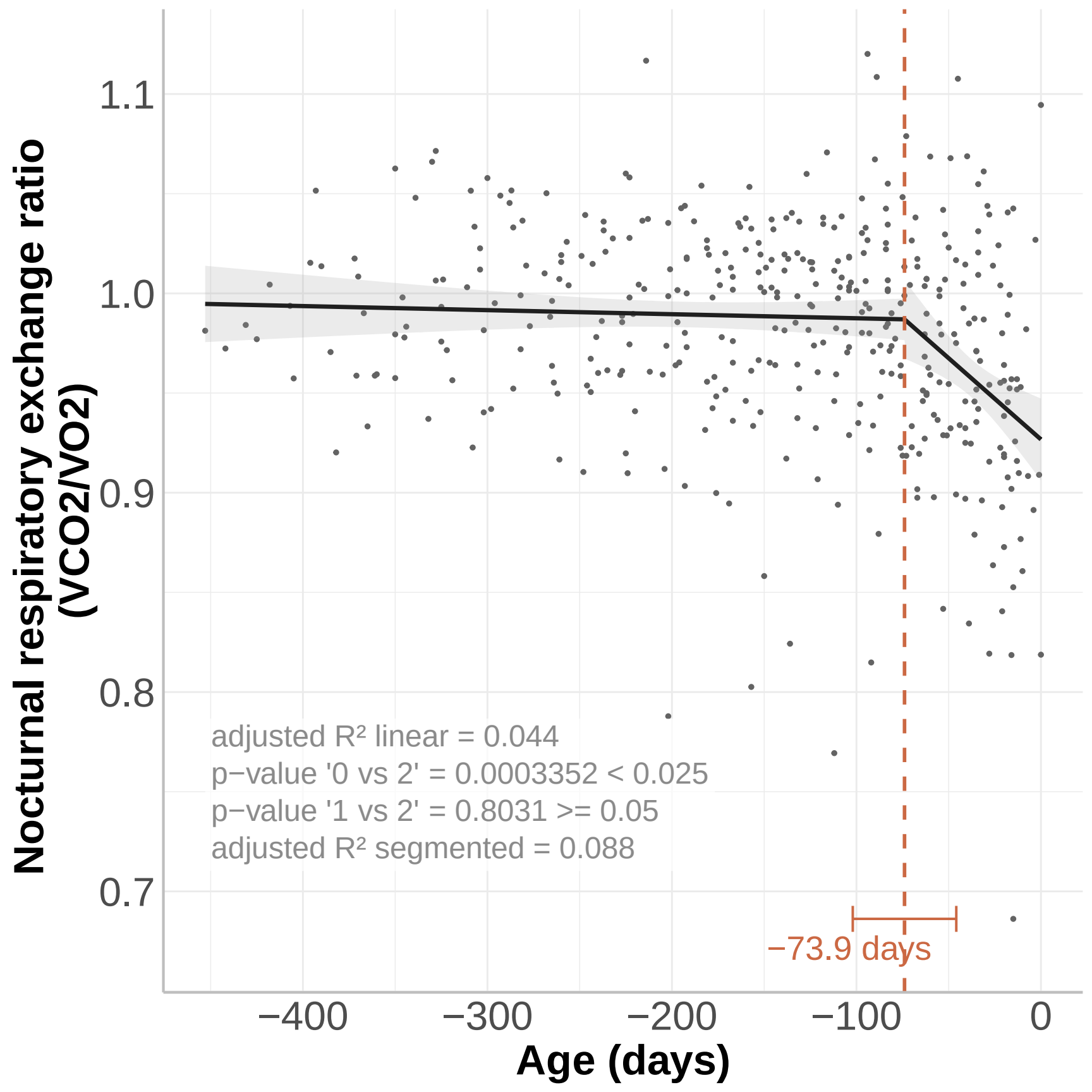

Intestinal permeability – 0h post gavage
(a.u.)
(modified for random effects)
50
40
30
20
10
adjusted R² linear = −0.0011
p−value '0 vs 2' = 0.7564 >= 0.025
p−value '0 vs 1' = 0.8125 >= 0.05
−400
−300
−200
−100
0
Age (days)

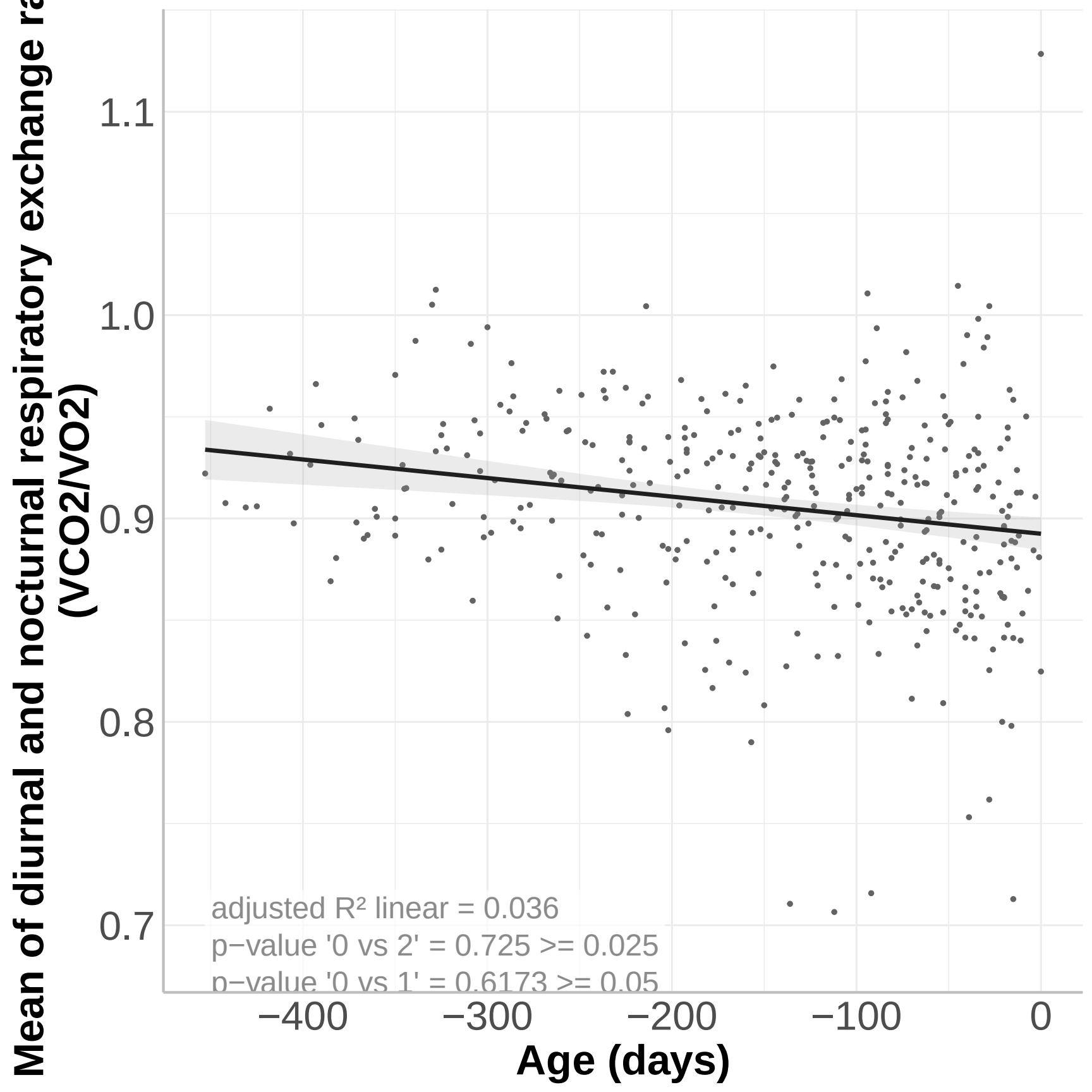

Intestinal permeability – 1h post gavage
(a.u.)
(modified for random effects)
1000
750
500
250
0
adjusted R² linear = 0.033
p−value '0 vs 2' = 0.4313 >= 0.025
p−value '0 vs 1' = 0.652 >= 0.05
−400
−300
−200
−100
0
Age (days)

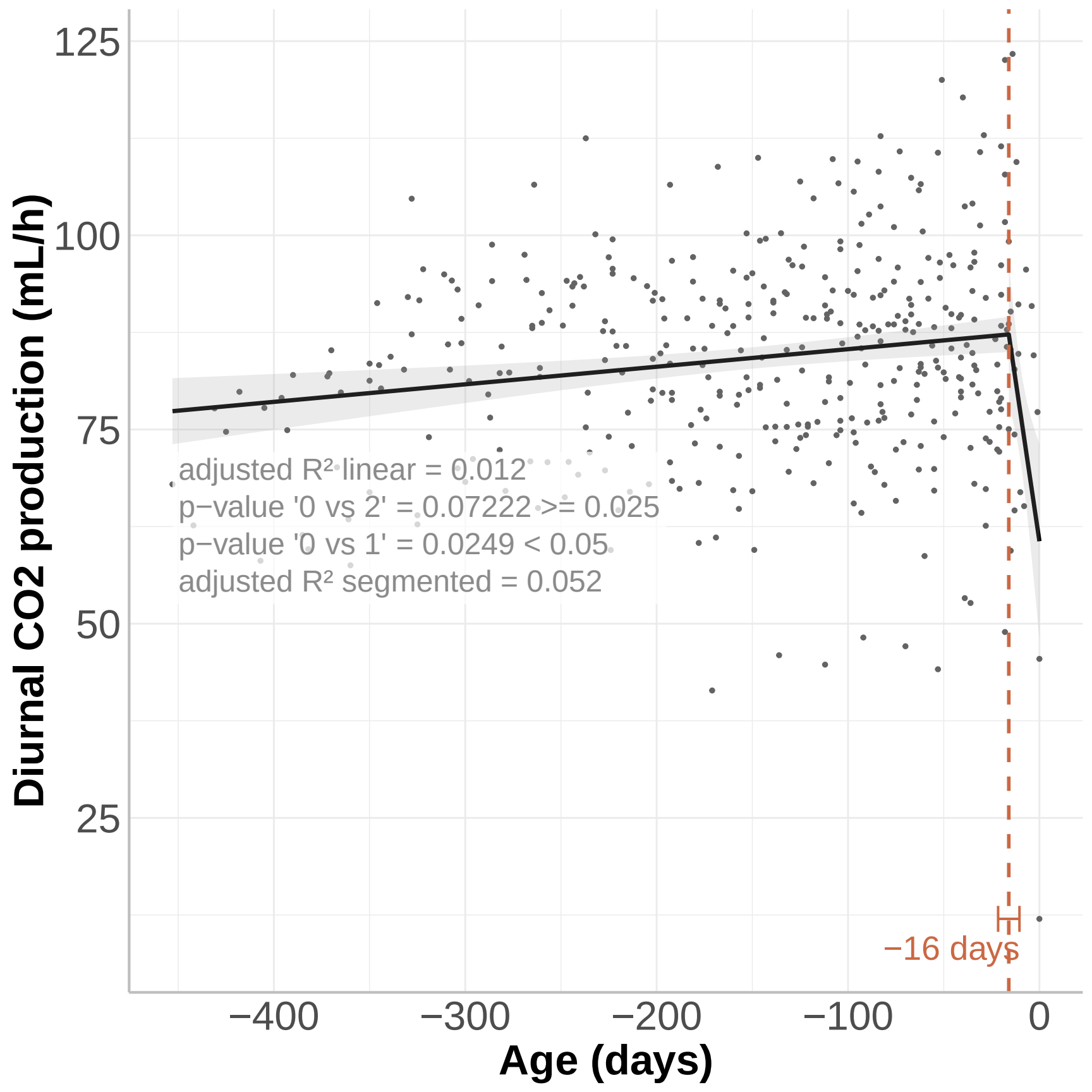

Intestinal permeability – 3h post gavage
(a.u.)
(modified for random effects)
2000
1000
0
adjusted R² linear = −0.0012
p−value '0 vs 2' = 0.7931 >= 0.025
p−value '0 vs 1' = 0.6575 >= 0.05
−400
−300
−200
−100
0
Age (days)

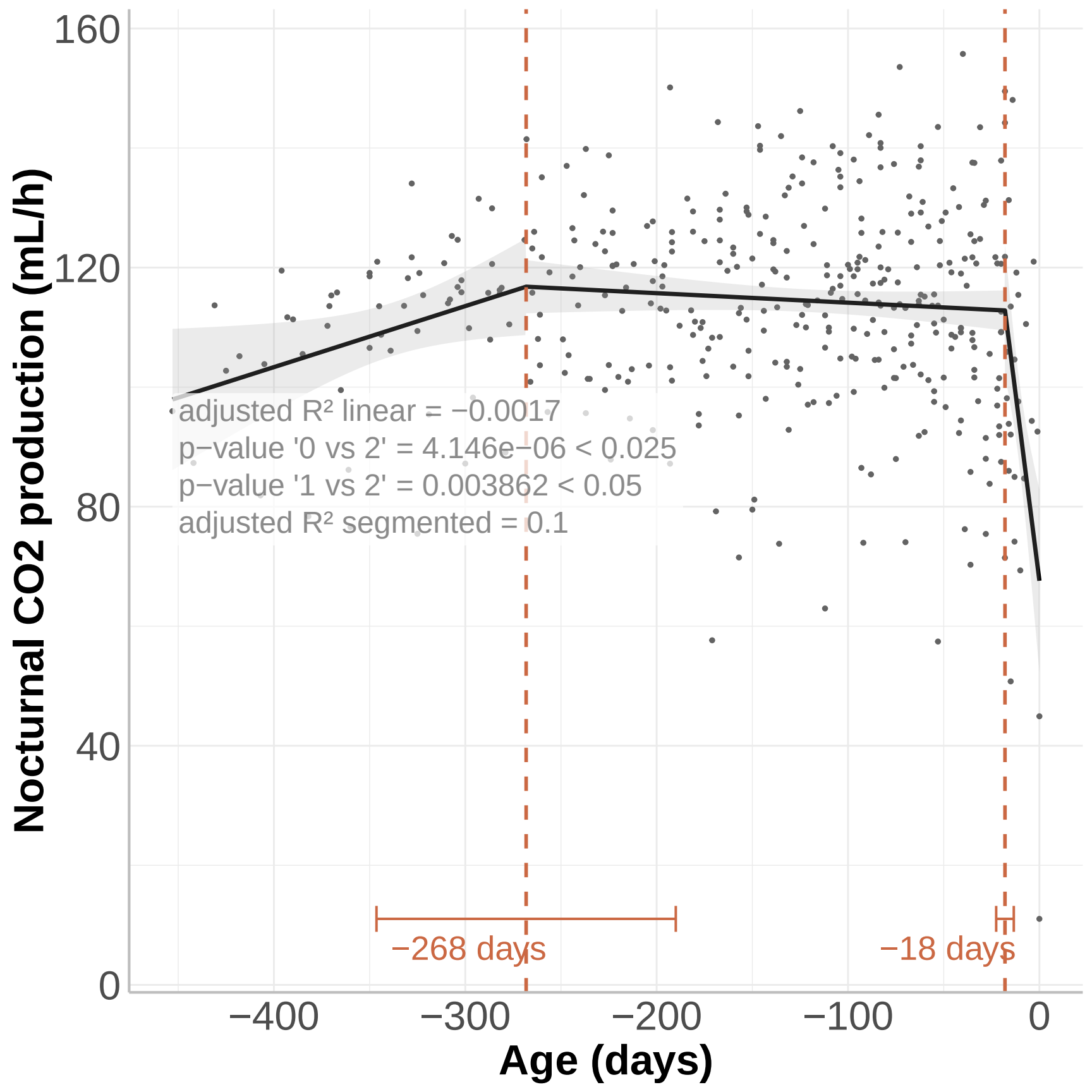

Intestinal permeability – 5h post gavage (a.u.)
300
200
100
0
adjusted R² linear = 0.011
p−value '0 vs 2' = 2.18e−13 < 0.025
p−value '1 vs 2' = 0.1618 >= 0.05
adjusted R² segmented = 0.23
−17.3 days
−400
−300
−200
−100
0
Age (days)

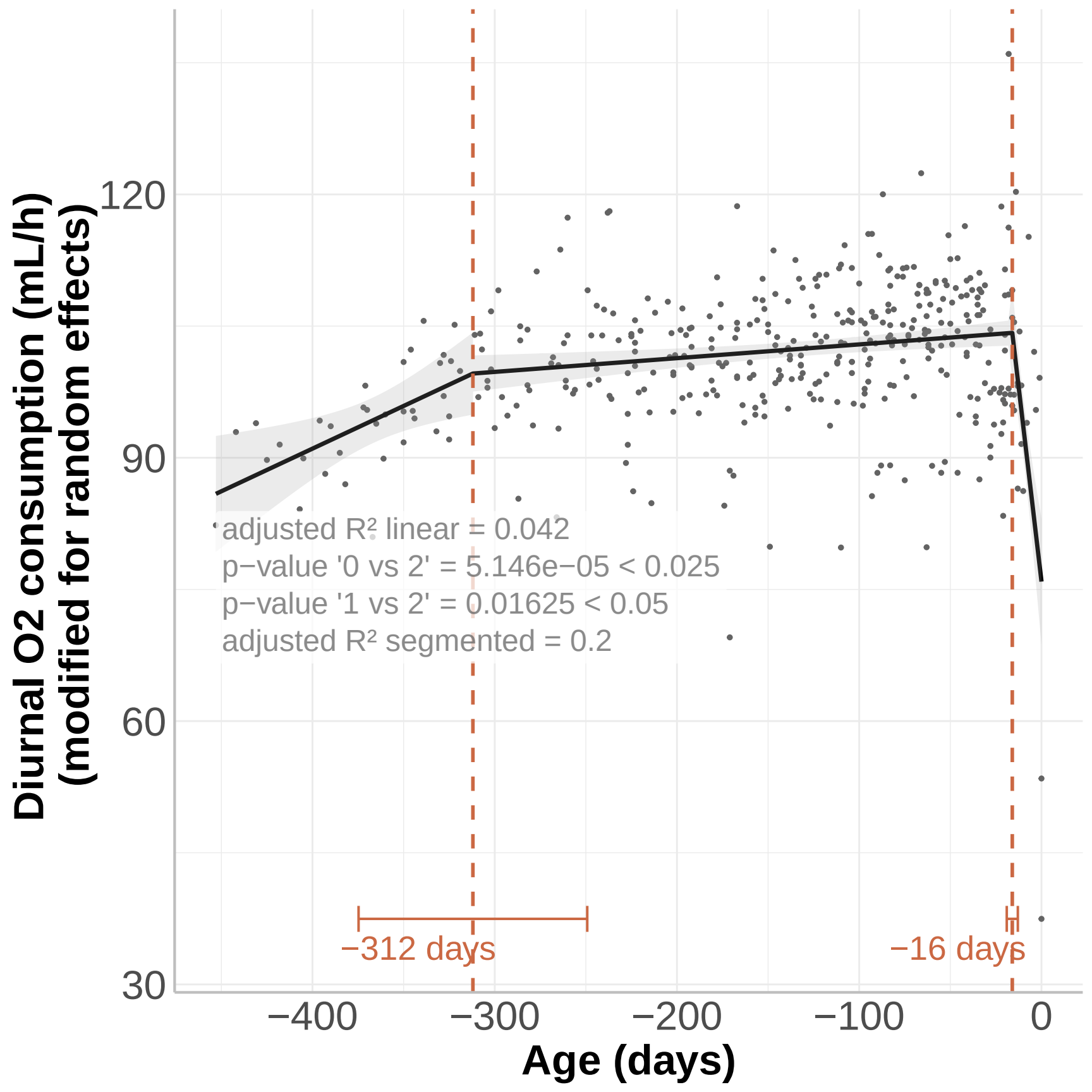

Diurnal respiratory exchange ratio (VCO2/VO2)
1.0
0.8
0.6
adjusted R² linear = 0.015
p−value '0 vs 2' = 0.0002088 < 0.025
p−value '1 vs 2' = 0.2393 >= 0.05
adjusted R² segmented = 0.059
−21 days
−400
−300
−200
−100
0
Age (days)

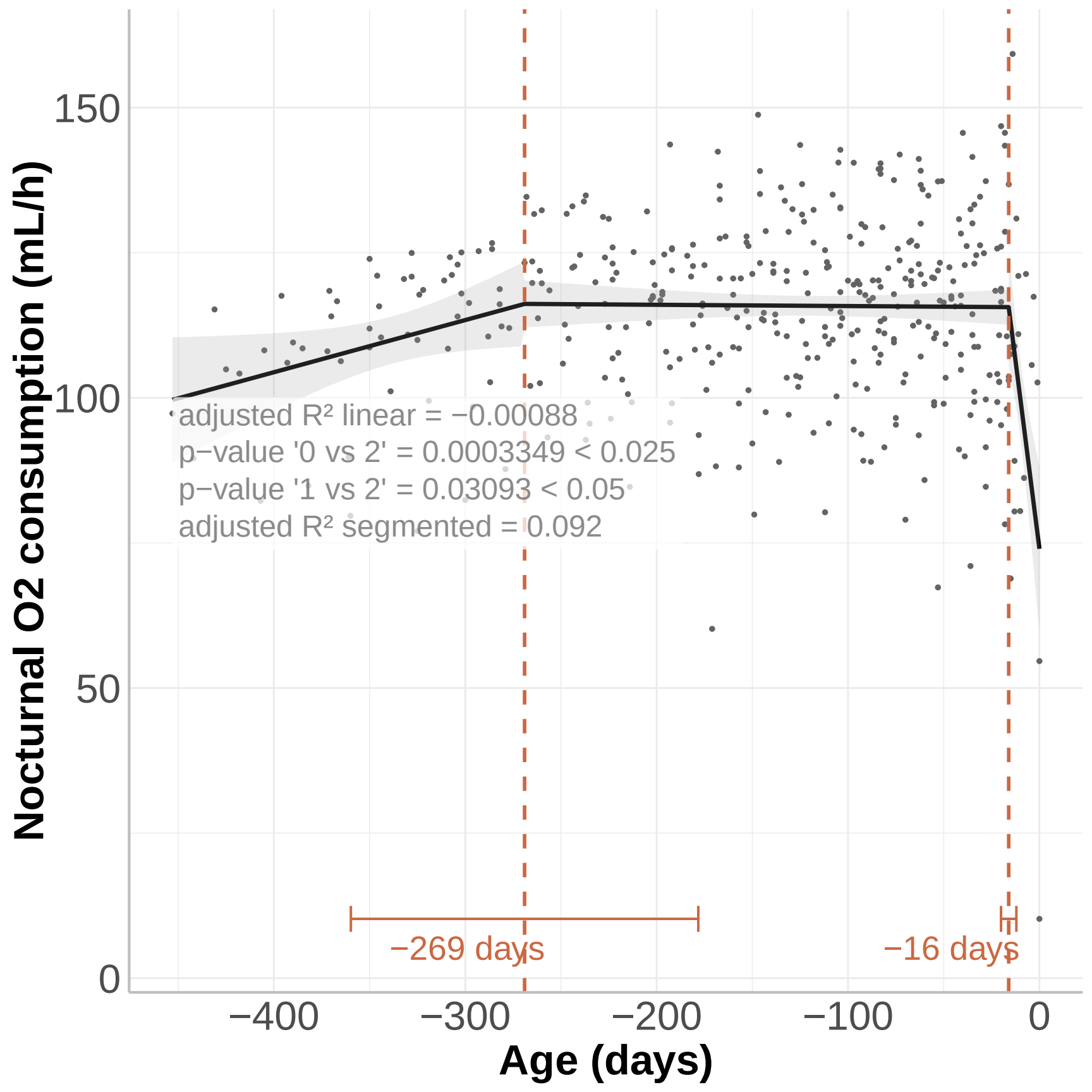

Nocturnal respiratory exchange ratio (VCO2/VO2)
1.1
1.0
0.9
0.8
0.7
adjusted R² linear = 0.044
p−value '0 vs 2' = 0.0003352 < 0.025
p−value '1 vs 2' = 0.8031 >= 0.05
adjusted R² segmented = 0.088
−73.9 days
−400
−300
−200
−100
0
Age (days)

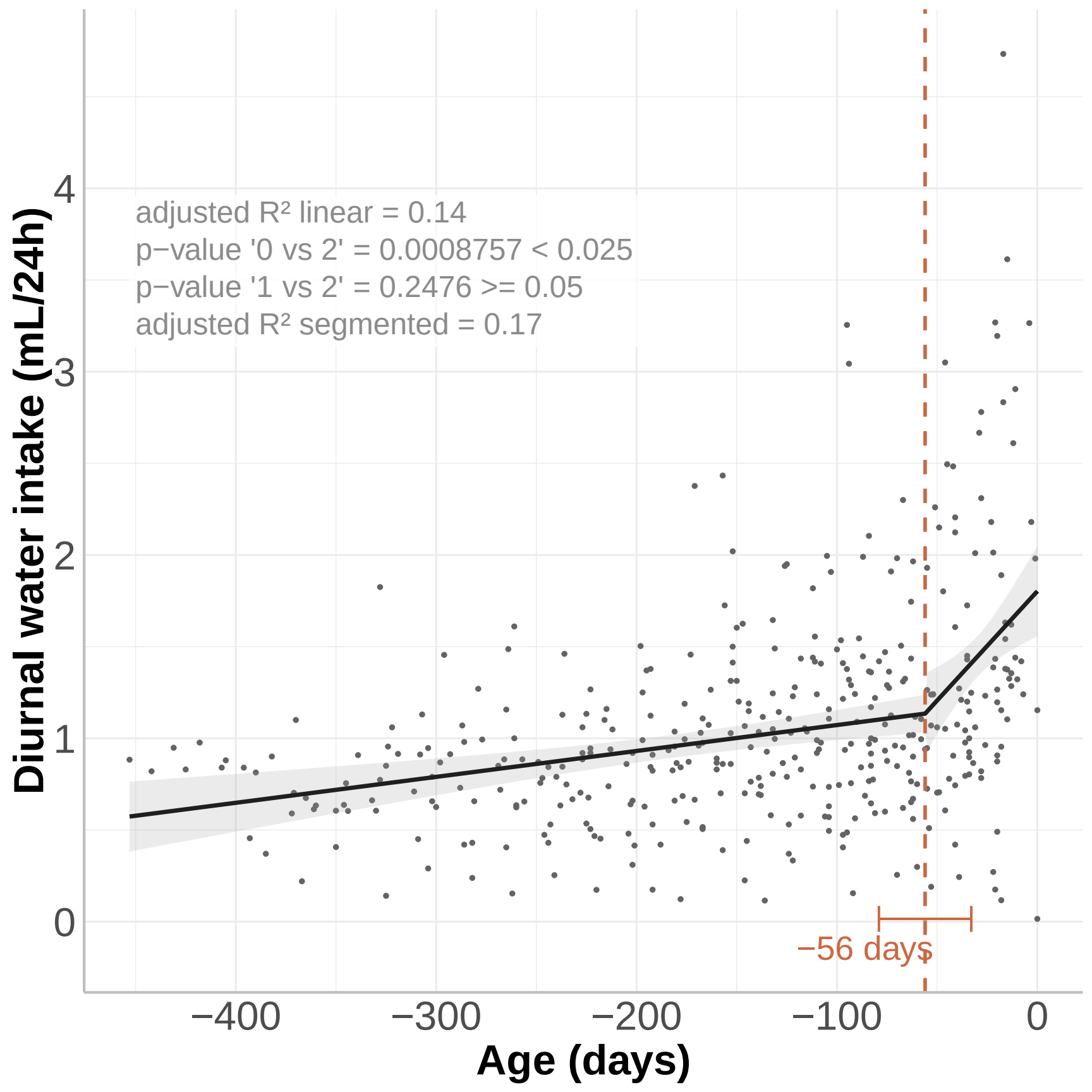

Mean of diurnal and nocturnal respiratory exchange ra
(VCO2/VO2)
1.1
1.0
0.9
0.8
0.7
adjusted R² linear = 0.036
p−value '0 vs 2' = 0.725 >= 0.025
p−value '0 vs 1' = 0.6173 >= 0.05
−400
−300
−200
−100
0
Age (days)

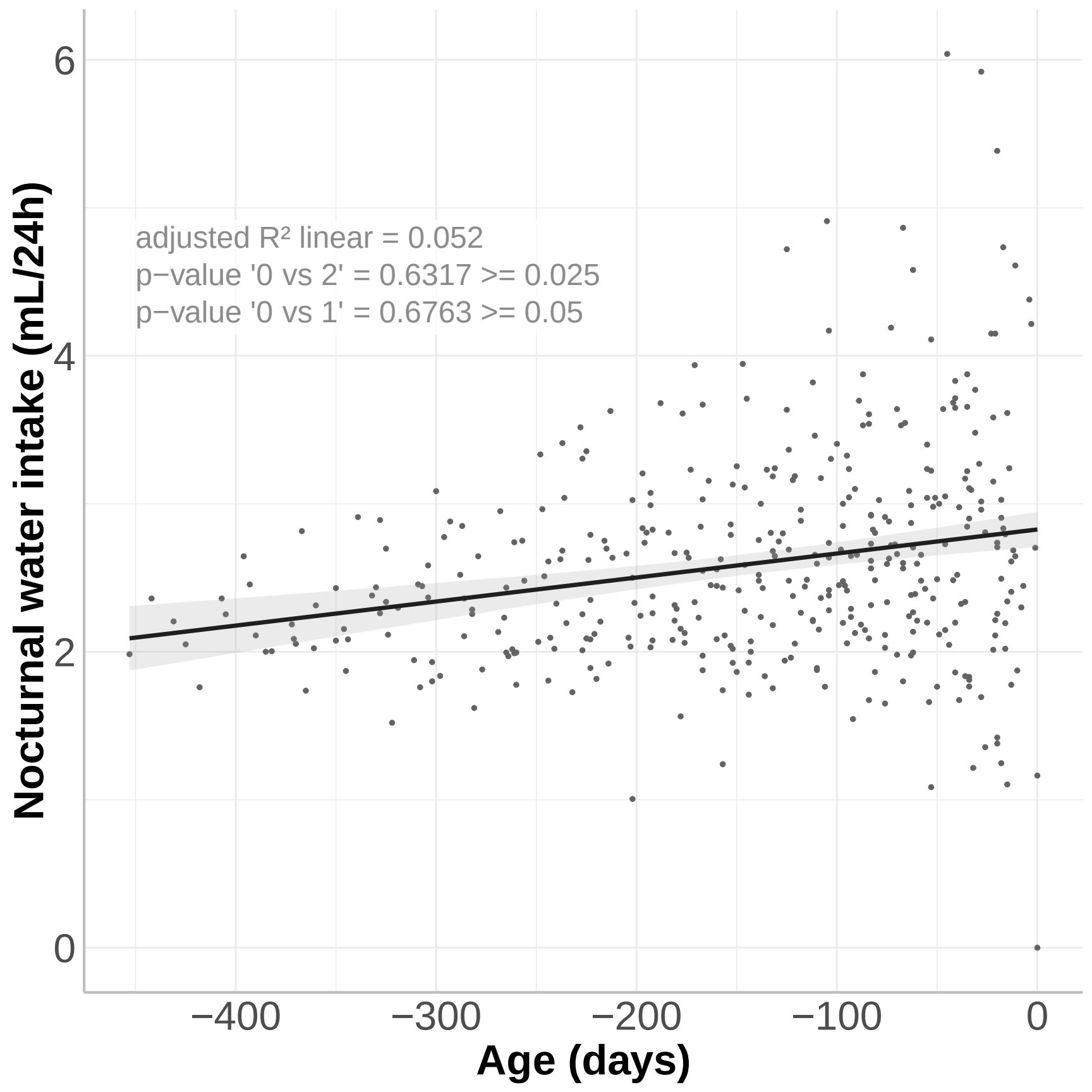

Diurnal CO2 production (mL/h)
125
100
75
50
25
adjusted R² linear = 0.012
p−value '0 vs 2' = 0.07222 >= 0.025
p−value '0 vs 1' = 0.0249 < 0.05
adjusted R² segmented = 0.052
−16 days
−400
−300
−200
−100
0
Age (days)

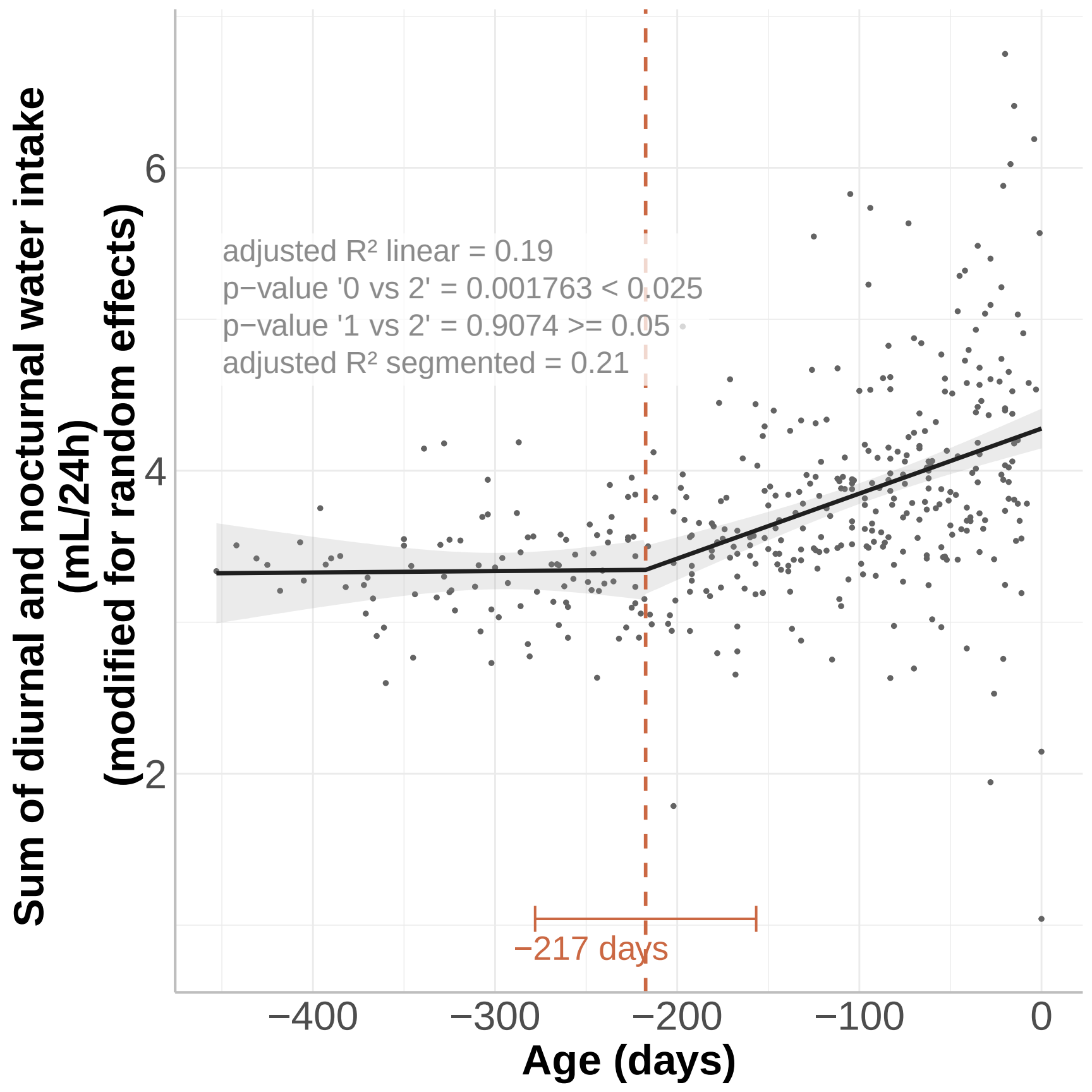

Nocturnal CO2 production (mL/h)
160
120
80
40
0
adjusted R² linear = −0.0017
p−value '0 vs 2' = 4.146e−06 < 0.025
p−value '1 vs 2' = 0.003862 < 0.05
adjusted R² segmented = 0.1
−268 days
−18 days
−400
−300
−200
−100
0
Age (days)

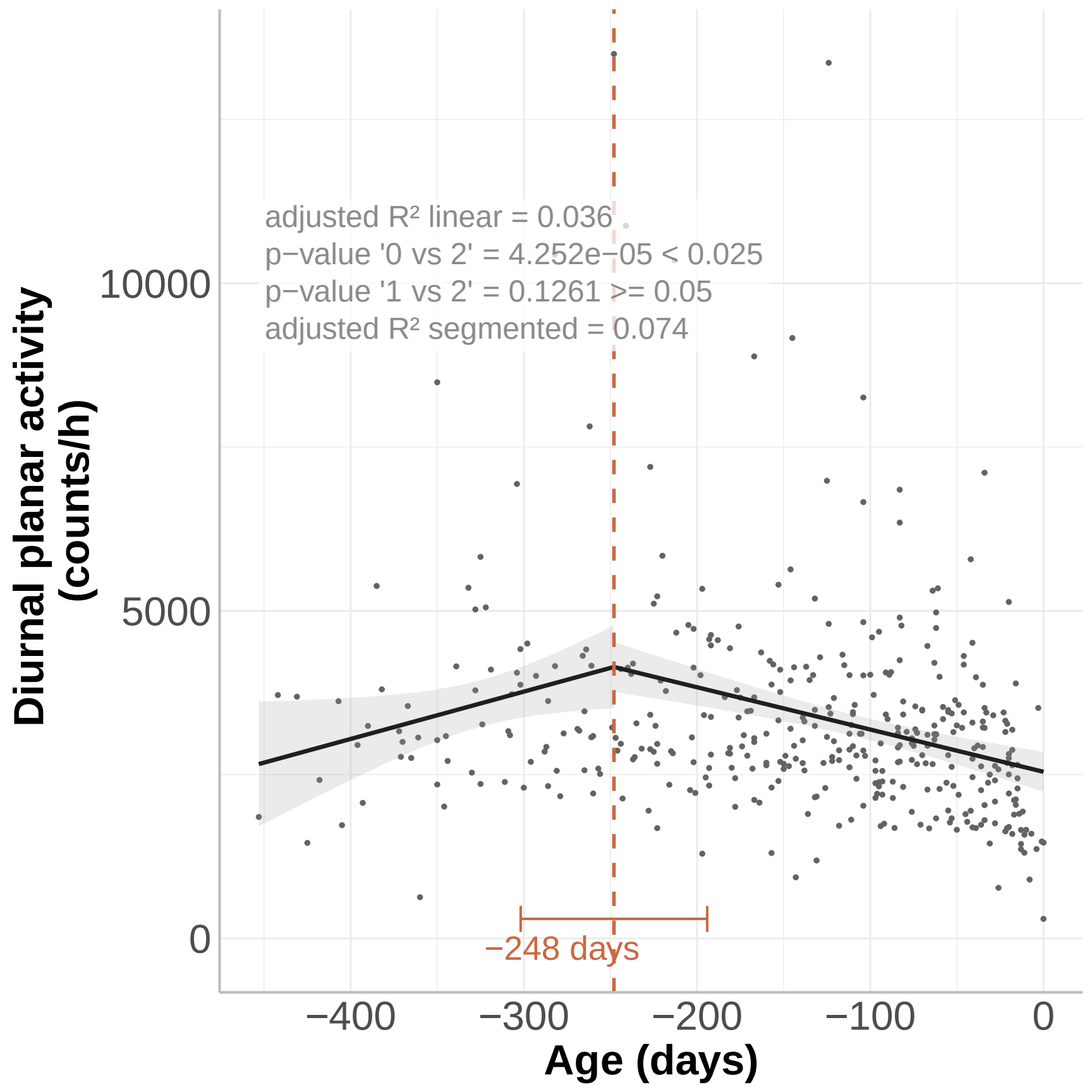

Diurnal O2 consumption (mL/h)
(modified for random effects)
120
90
60
30
adjusted R² linear = 0.042
p−value '0 vs 2' = 5.146e−05 < 0.025
p−value '1 vs 2' = 0.01625 < 0.05
adjusted R² segmented = 0.2
−312 days
−16 days
−400
−300
−200
−100
0
Age (days)

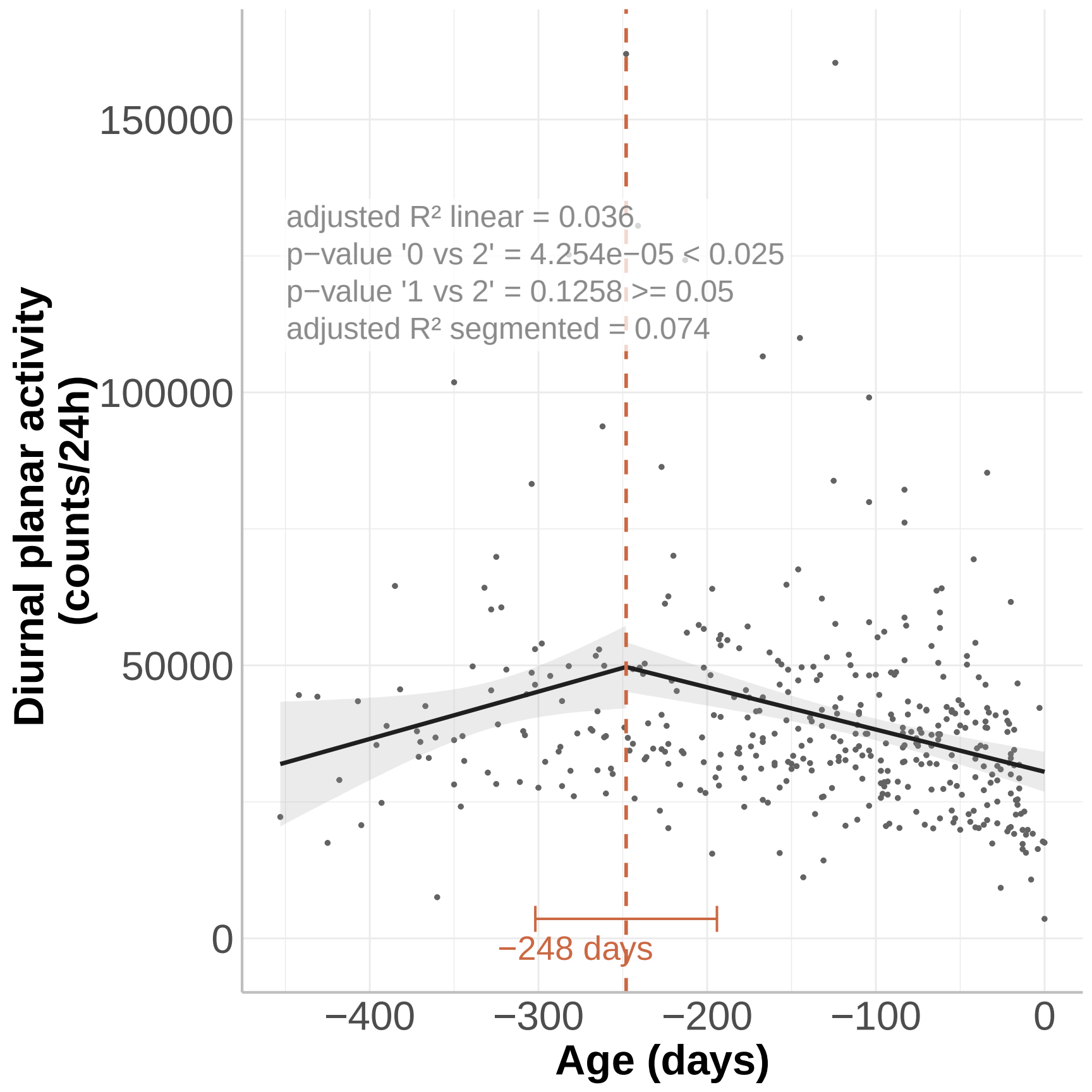

Nocturnal O2 consumption (mL/h)
150
100
50
0
adjusted R² linear = −0.00088
p−value '0 vs 2' = 0.0003349 < 0.025
p−value '1 vs 2' = 0.03093 < 0.05
adjusted R² segmented = 0.092
−269 days
−16 days
−400
−300
−200
−100
0
Age (days)

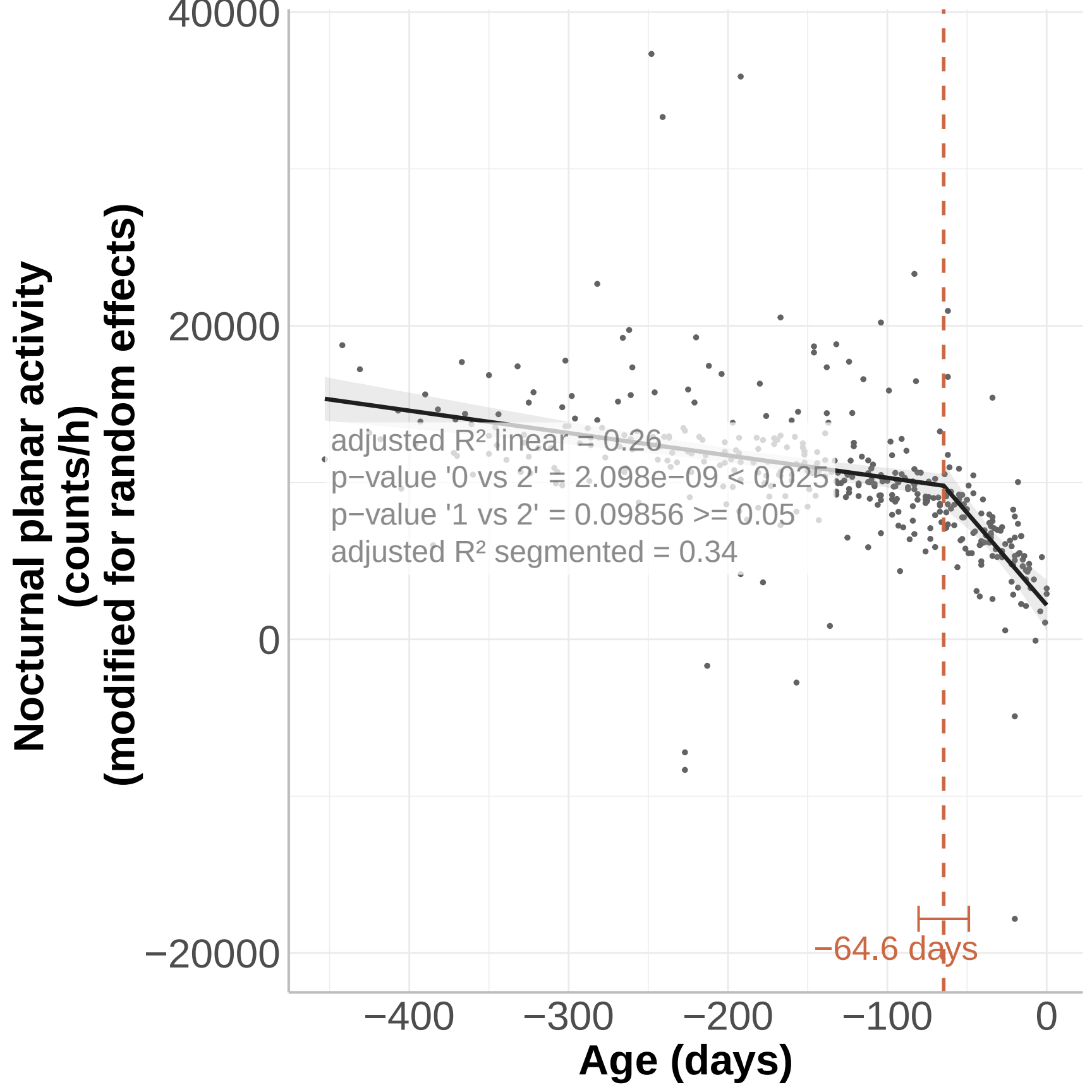

adjusted R² linear = 0.14
p−value '0 vs 2' = 0.0008757 < 0.025
p−value '1 vs 2' = 0.2476 >= 0.05
adjusted R² segmented = 0.17
−56 days
Diurnal water intake (mL/24h)
Age (days)
0
1
2
3
4
−400
−300
−200
−100
0

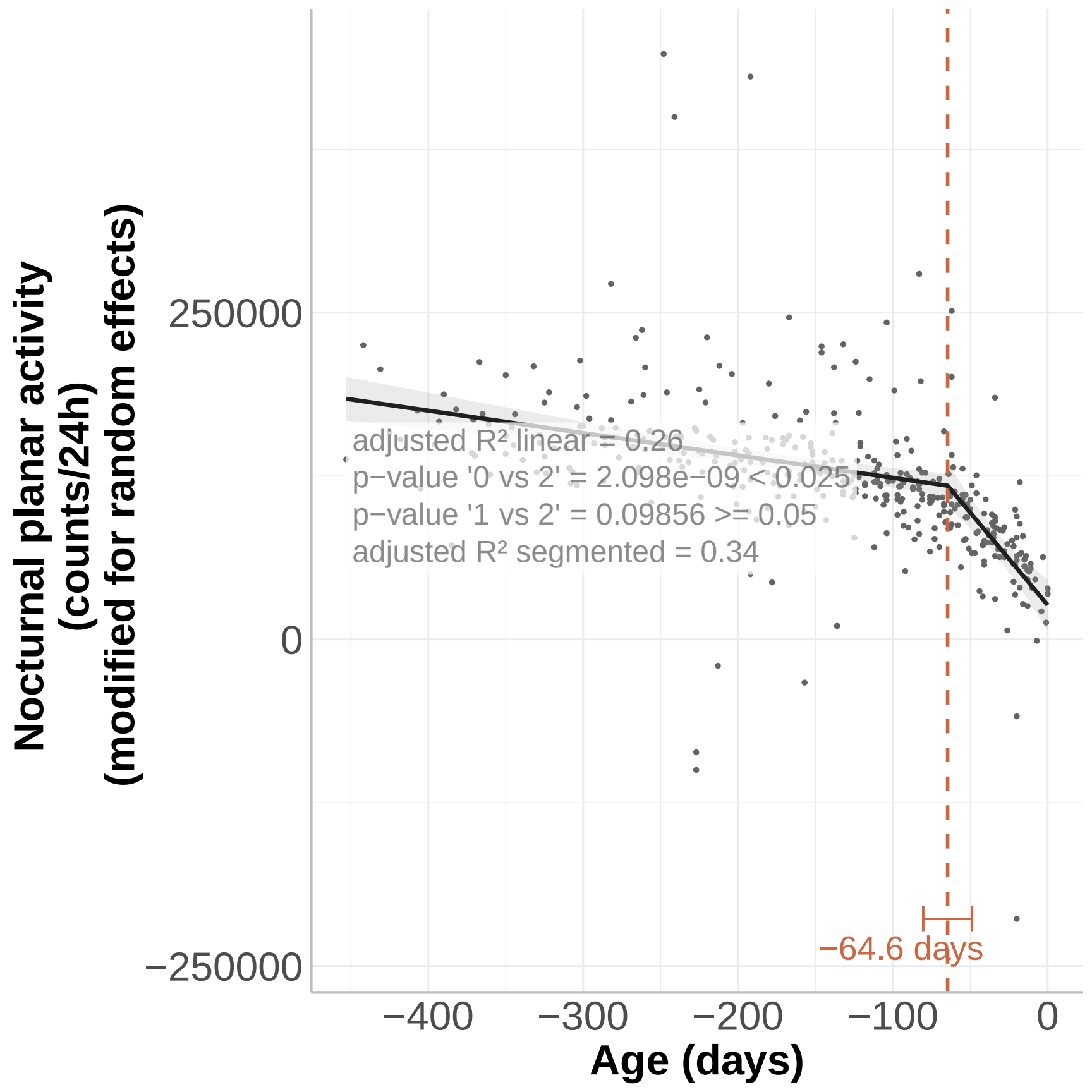

adjusted R² linear = 0.052
p−value '0 vs 2' = 0.6317 >= 0.025
p−value '0 vs 1' = 0.6763 >= 0.05
Nocturnal water intake (mL/24h)
0
2
4
6
−400
−300
−200
−100
0
Age (days)

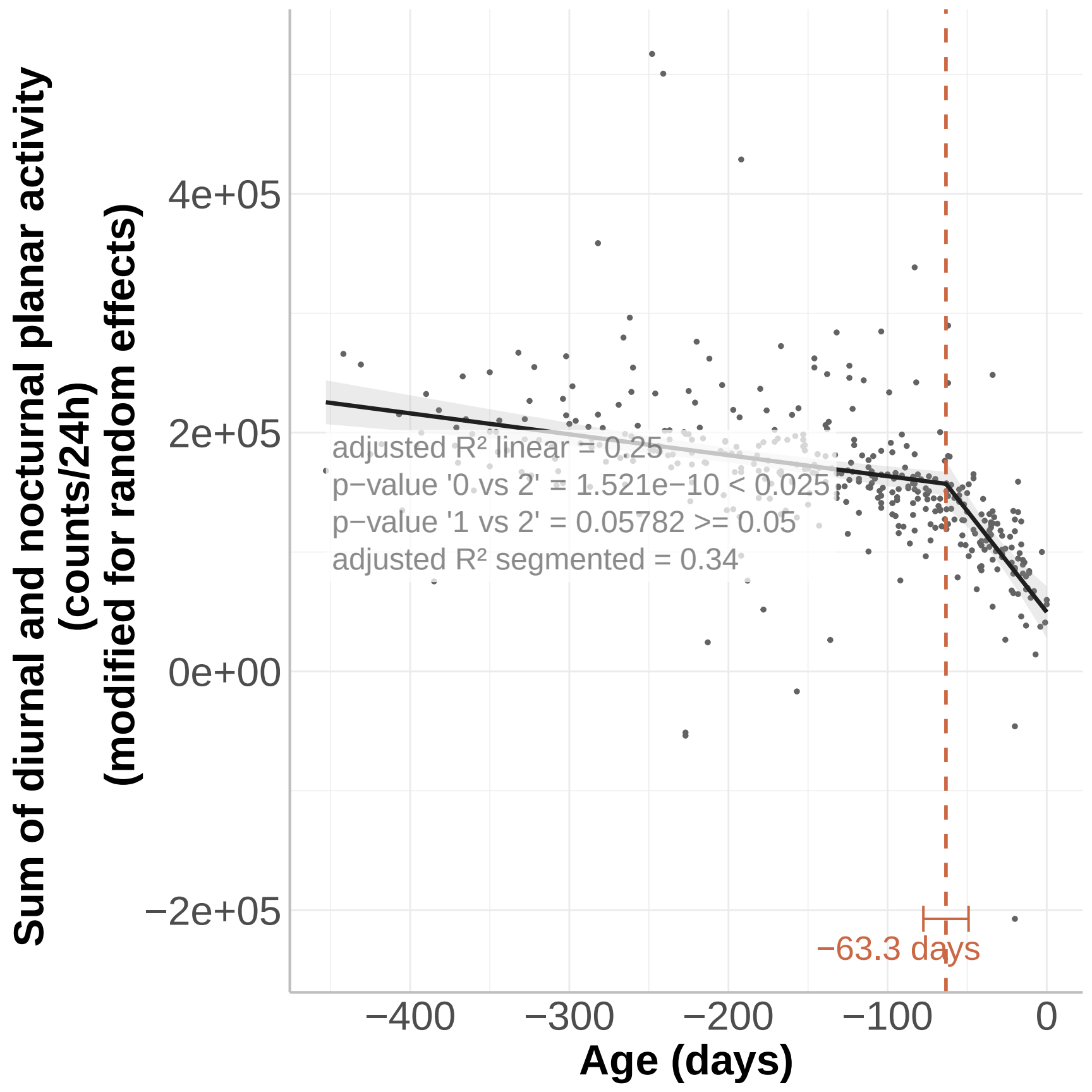

Sum of diurnal and nocturnal water intake
(mL/24h)
(modified for random effects)
6
4
2
adjusted R² linear = 0.19
p−value '0 vs 2' = 0.001763 < 0.025
p−value '1 vs 2' = 0.9074 >= 0.05
adjusted R² segmented = 0.21
−217 days
−400
−300
−200
−100
0
Age (days)

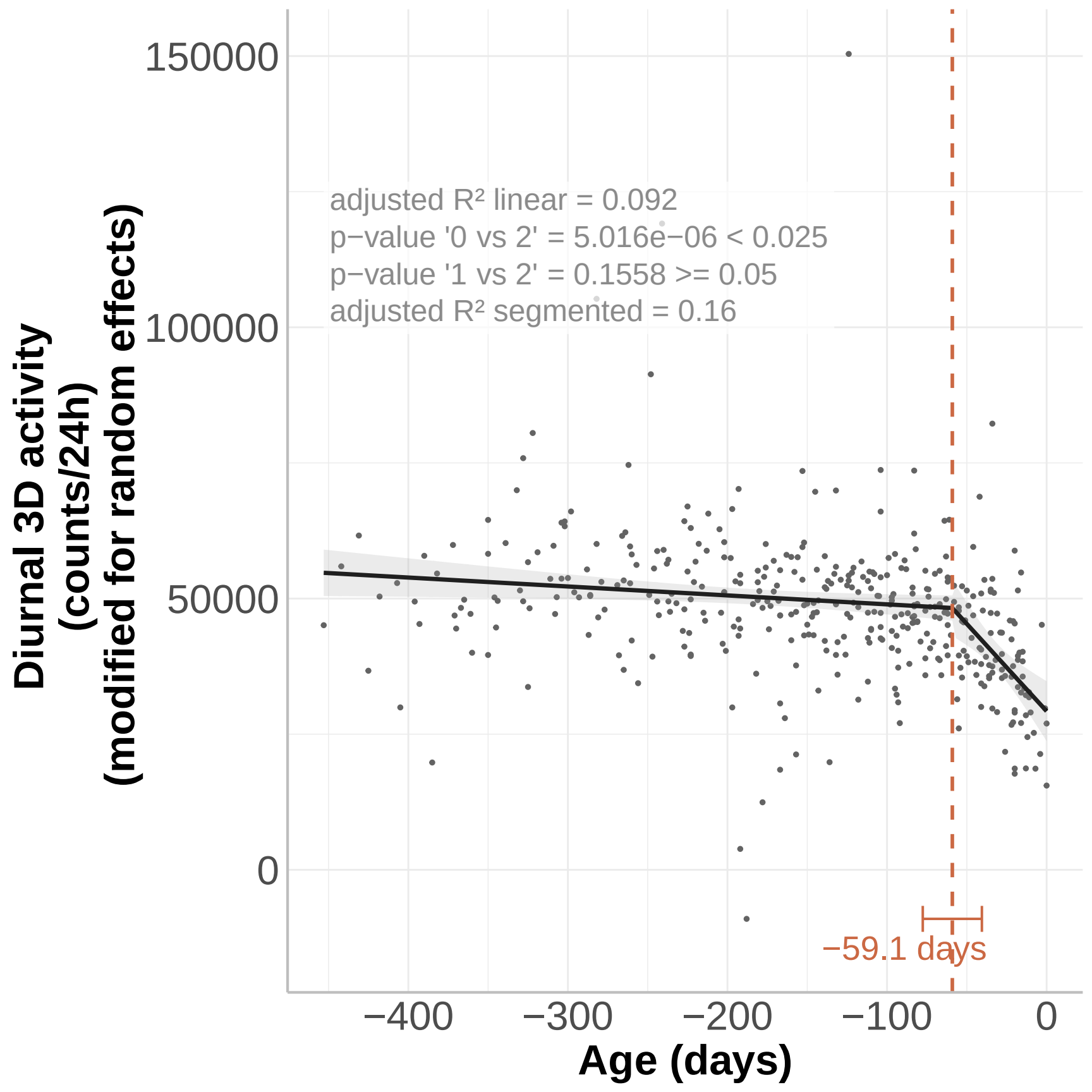

adjusted R² linear = 0.036
p−value '0 vs 2' = 4.252e−05 < 0.025
p−value '1 vs 2' = 0.1261 >= 0.05
adjusted R² segmented = 0.074
−248 days
Diurnal planar activity (counts/h)
10000
5000
0
−400
−300
−200
−100
0
Age (days)

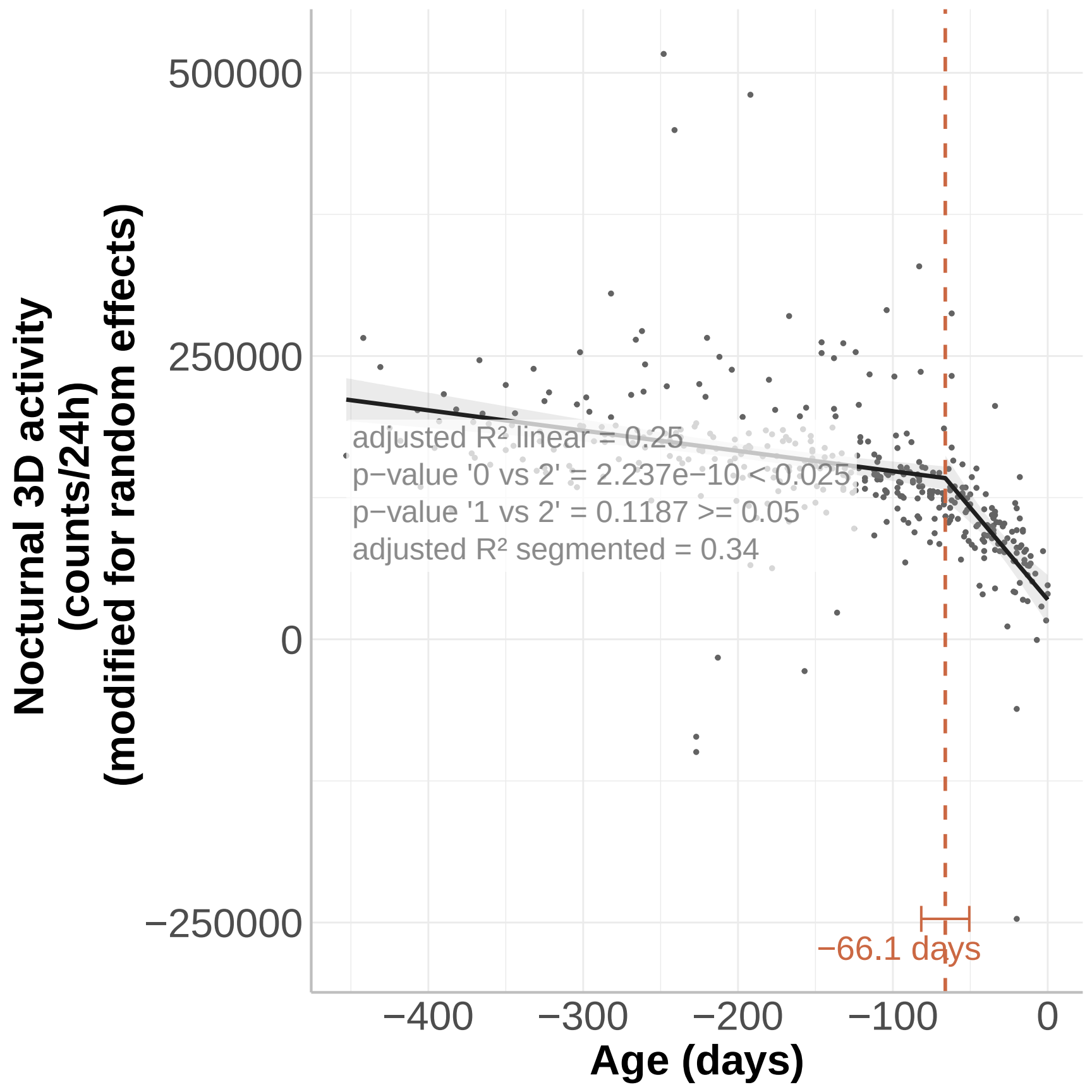

adjusted R² linear = 0.036
p−value '0 vs 2' = 4.254e−05 < 0.025
p−value '1 vs 2' = 0.1258 >= 0.05
adjusted R² segmented = 0.074
−248 days
Diurnal planar activity (counts/24h)
150000
100000
50000
0
−400
−300
−200
−100
0
Age (days)

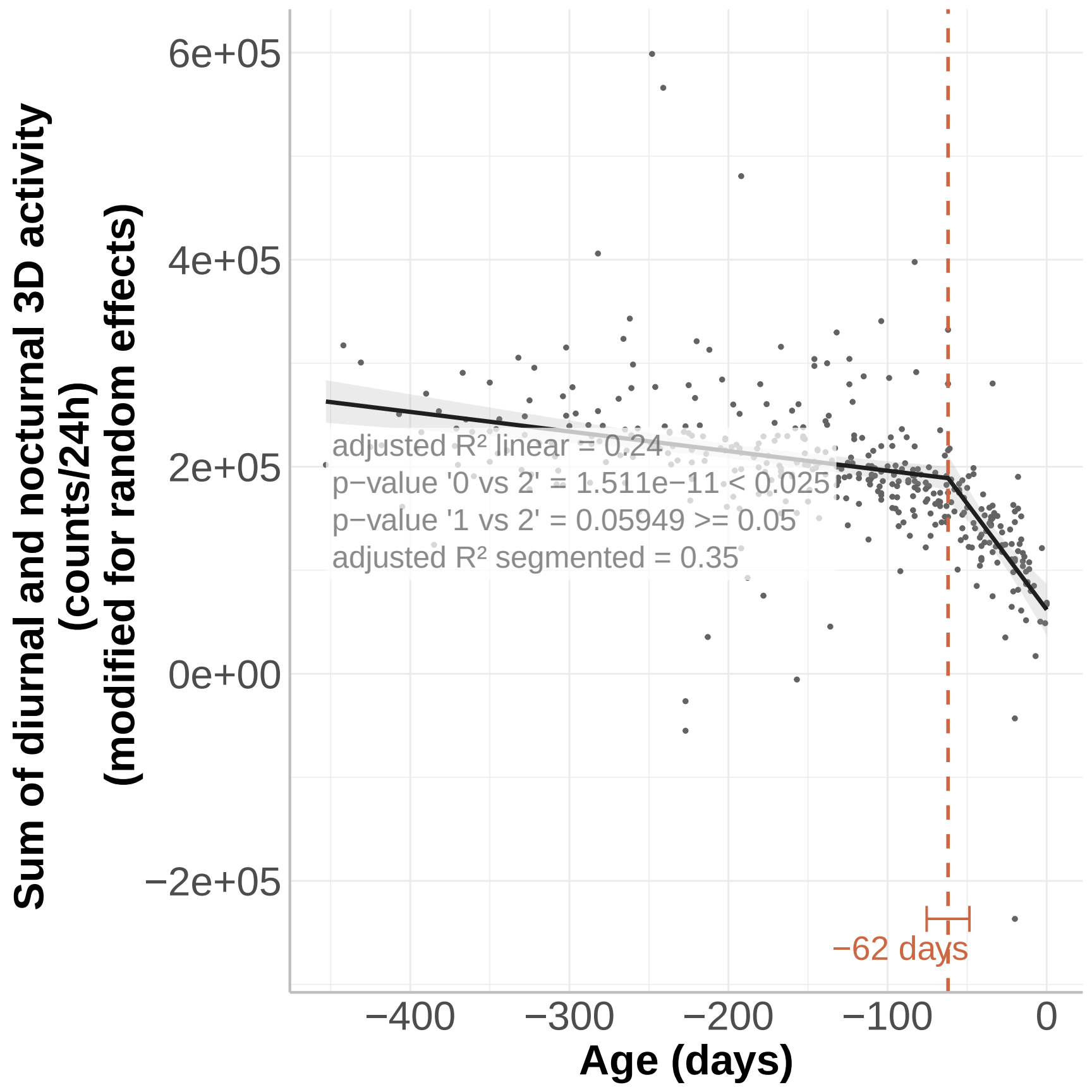

Nocturnal planar activity
(counts/h)
(modified for random effects)
40000
20000
0
−20000
adjusted R² linear = 0.26
p−value '0 vs 2' = 2.098e−09 < 0.025
p−value '1 vs 2' = 0.09856 >= 0.05
adjusted R² segmented = 0.34
−64.6 days
−400
−300
−200
−100
0
Age (days)

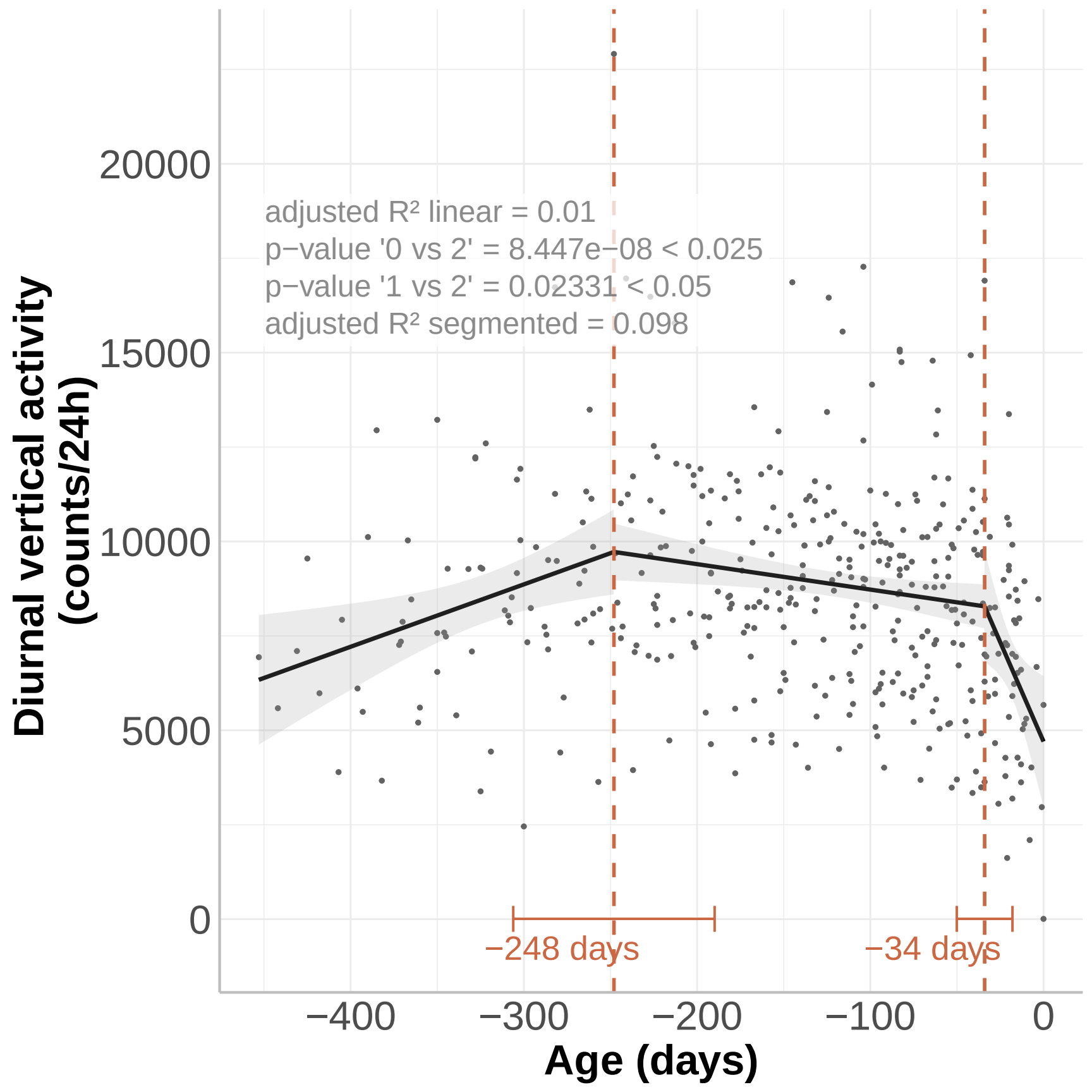

Nocturnal planar activity
(counts/24h)
(modified for random effects)
250000
0
−250000
adjusted R² linear = 0.26
p−value '0 vs 2' = 2.098e−09 < 0.025
p−value '1 vs 2' = 0.09856 >= 0.05
adjusted R² segmented = 0.34
−64.6 days
−400
−300
−200
−100
0
Age (days)

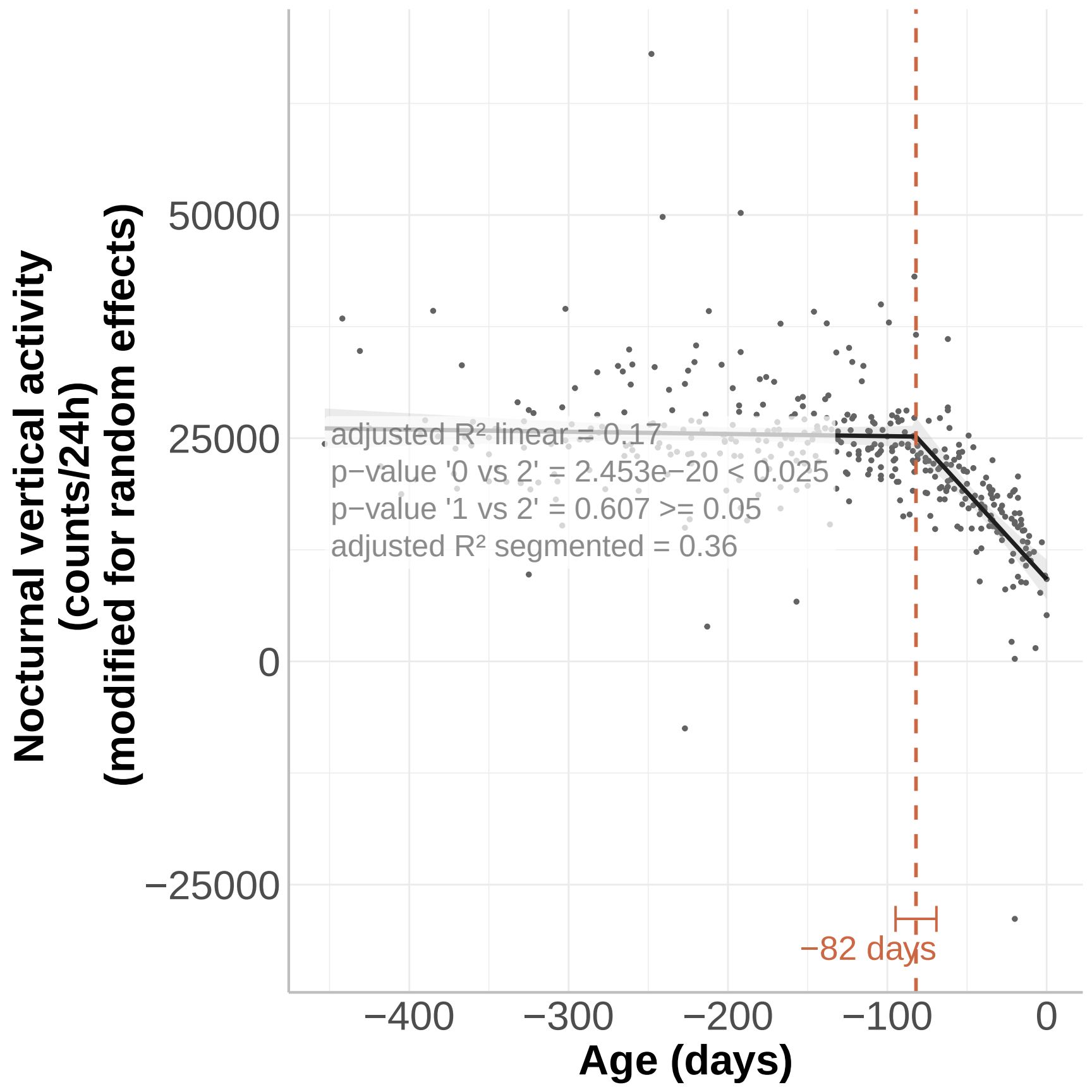

Sum of diurnal and nocturnal planar activity
(counts/24h)
(modified for random effects)
4e+05
2e+05
0e+00
−2e+05
adjusted R² linear = 0.25
p−value '0 vs 2' = 1.521e−10 < 0.025
p−value '1 vs 2' = 0.05782 >= 0.05
adjusted R² segmented = 0.34
−63.3 days
−400
−300
−200
−100
0
Age (days)

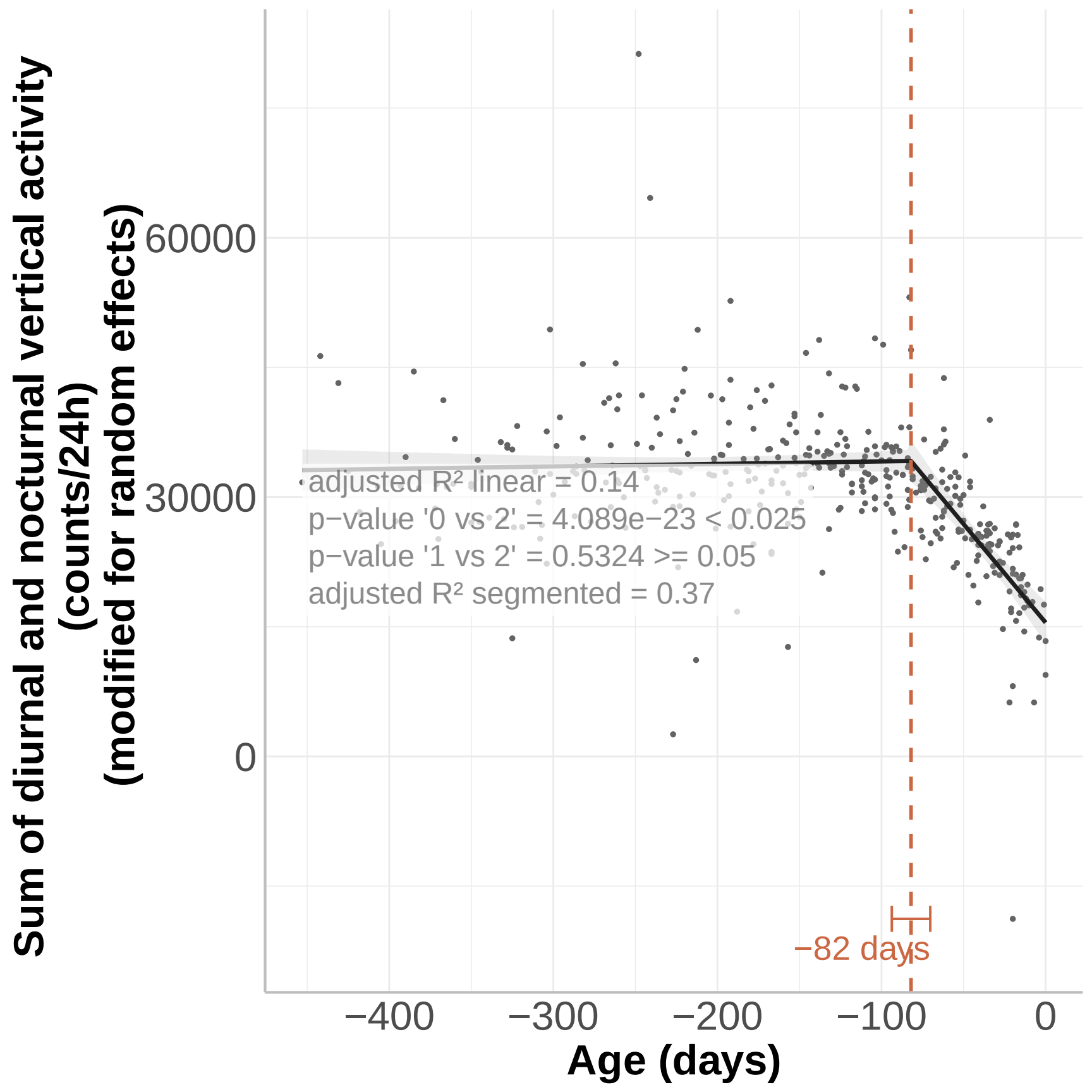

adjusted R² linear = 0.092
p−value '0 vs 2' = 5.016e−06 < 0.025
p−value '1 vs 2' = 0.1558 >= 0.05
adjusted R² segmented = 0.16
−59.1 days
Diurnal 3D activity
(counts/24h)
(modified for random effects)
150000
100000
50000
0
−400
−300
−200
−100
0
Age (days)


Nocturnal 3D activity
(counts/24h)
(modified for random effects)
500000
250000
0
−250000
adjusted R² linear = 0.25
p−value '0 vs 2' = 2.237e−10 < 0.025
p−value '1 vs 2' = 0.1187 >= 0.05
adjusted R² segmented = 0.34
−66.1 days
−400
−300
−200
−100
0
Age (days)


Sum of diurnal and nocturnal 3D activity
(counts/24h)
(modified for random effects)
6e+05
4e+05
2e+05
0e+00
−2e+05
adjusted R² linear = 0.24
p−value '0 vs 2' = 1.511e−11 < 0.025
p−value '1 vs 2' = 0.05949 >= 0.05
adjusted R² segmented = 0.35
−62 days
−400
−300
−200
−100
0
Age (days)


adjusted R² linear = 0.01
p−value '0 vs 2' = 8.447e−08 < 0.025
p−value '1 vs 2' = 0.02331 < 0.05
adjusted R² segmented = 0.098
−248 days
−34 days
Diurnal vertical activity (counts/24h)
20000
15000
10000
5000
0
−400
−300
−200
−100
0
Age (days)


Nocturnal vertical activity
(counts/24h)
(modified for random effects)
50000
25000
0
−25000
adjusted R² linear = 0.17
p−value '0 vs 2' = 2.453e−20 < 0.025
p−value '1 vs 2' = 0.607 >= 0.05
adjusted R² segmented = 0.36
−82 days
−400
−300
−200
−100
0
Age (days)


Sum of diurnal and nocturnal vertical activity
(counts/24h)
(modified for random effects)
60000
30000
0
adjusted R² linear = 0.14
p−value '0 vs 2' = 4.089e−23 < 0.025
p−value '1 vs 2' = 0.5324 >= 0.05
adjusted R² segmented = 0.37
−82 days
−400
−300
−200
−100
0
Age (days)