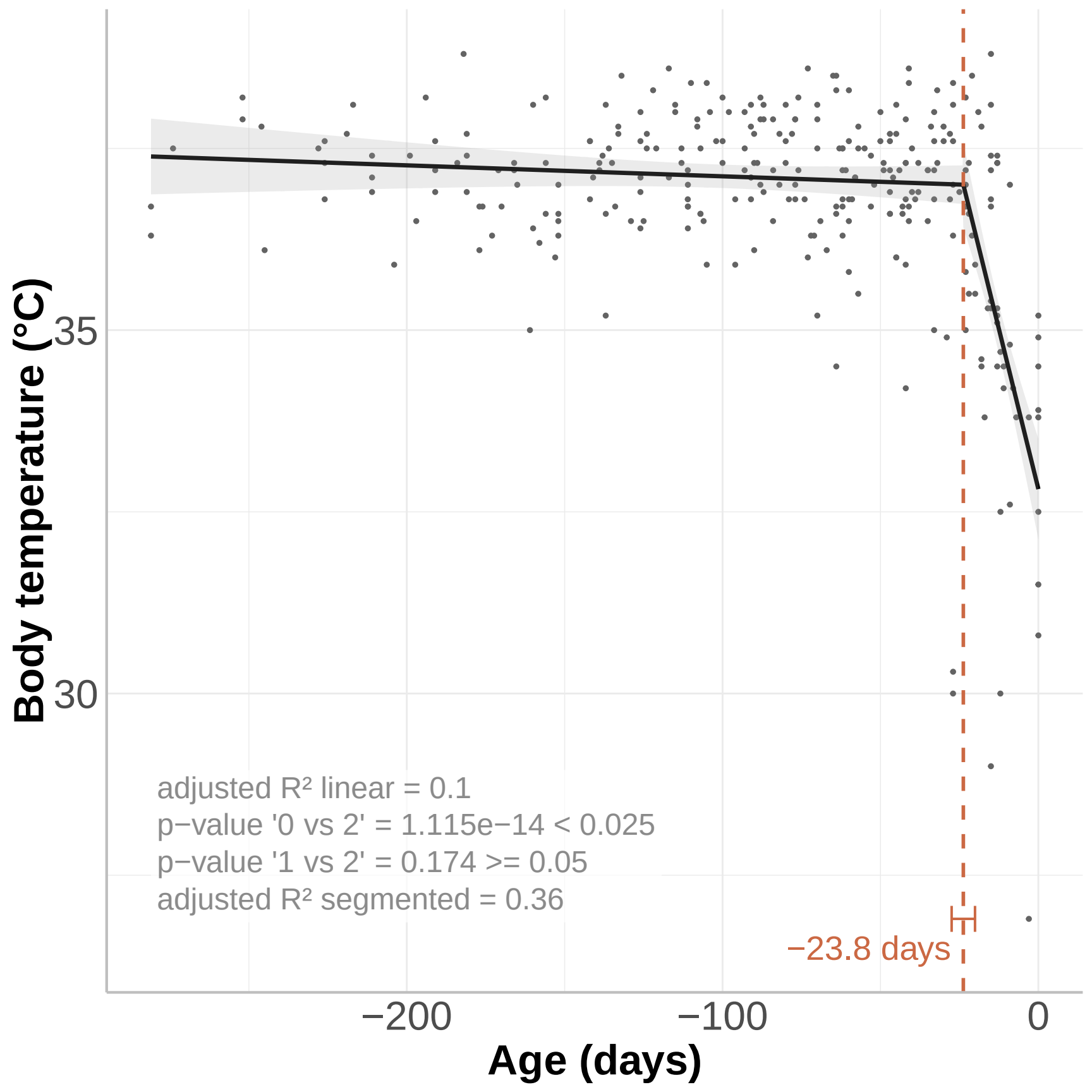
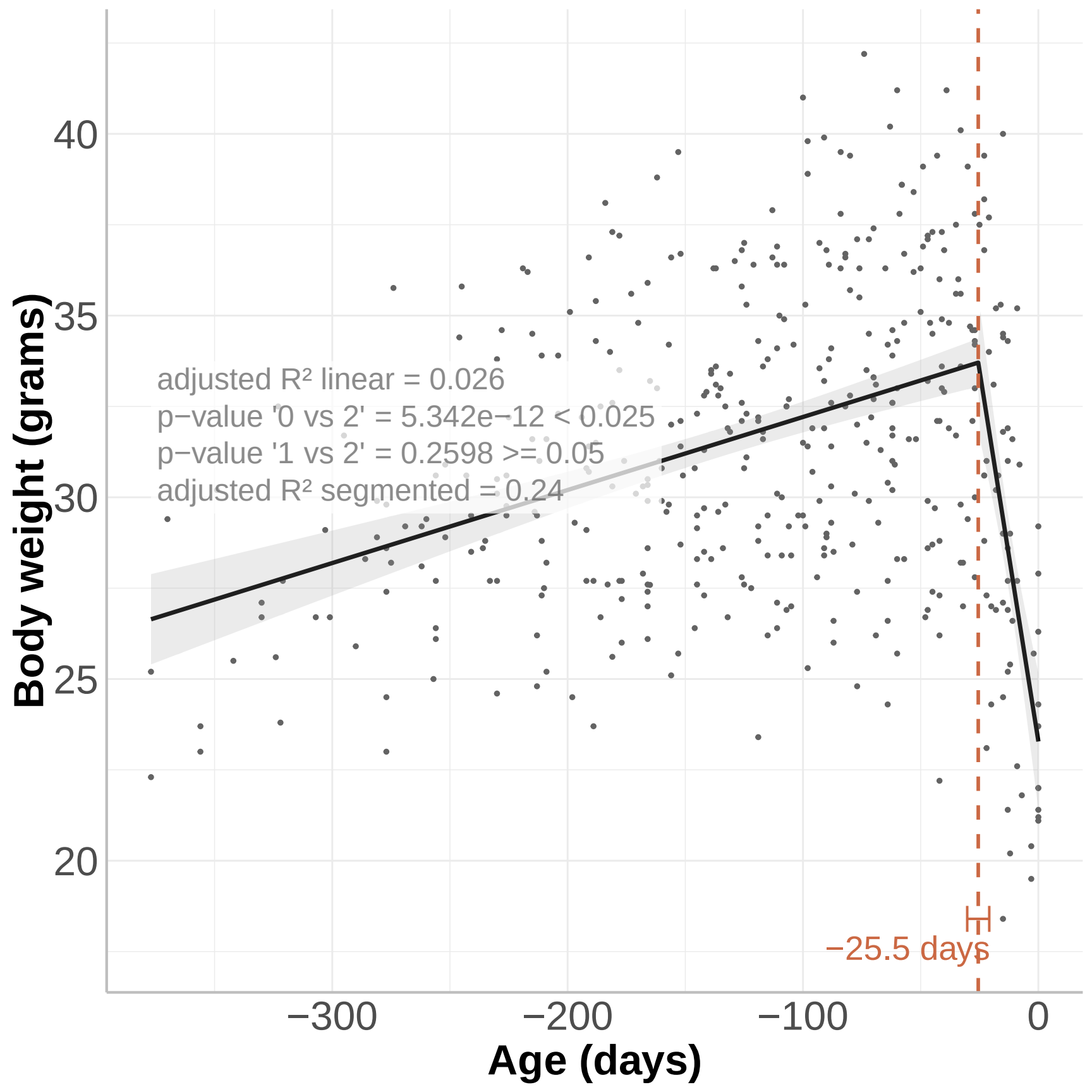
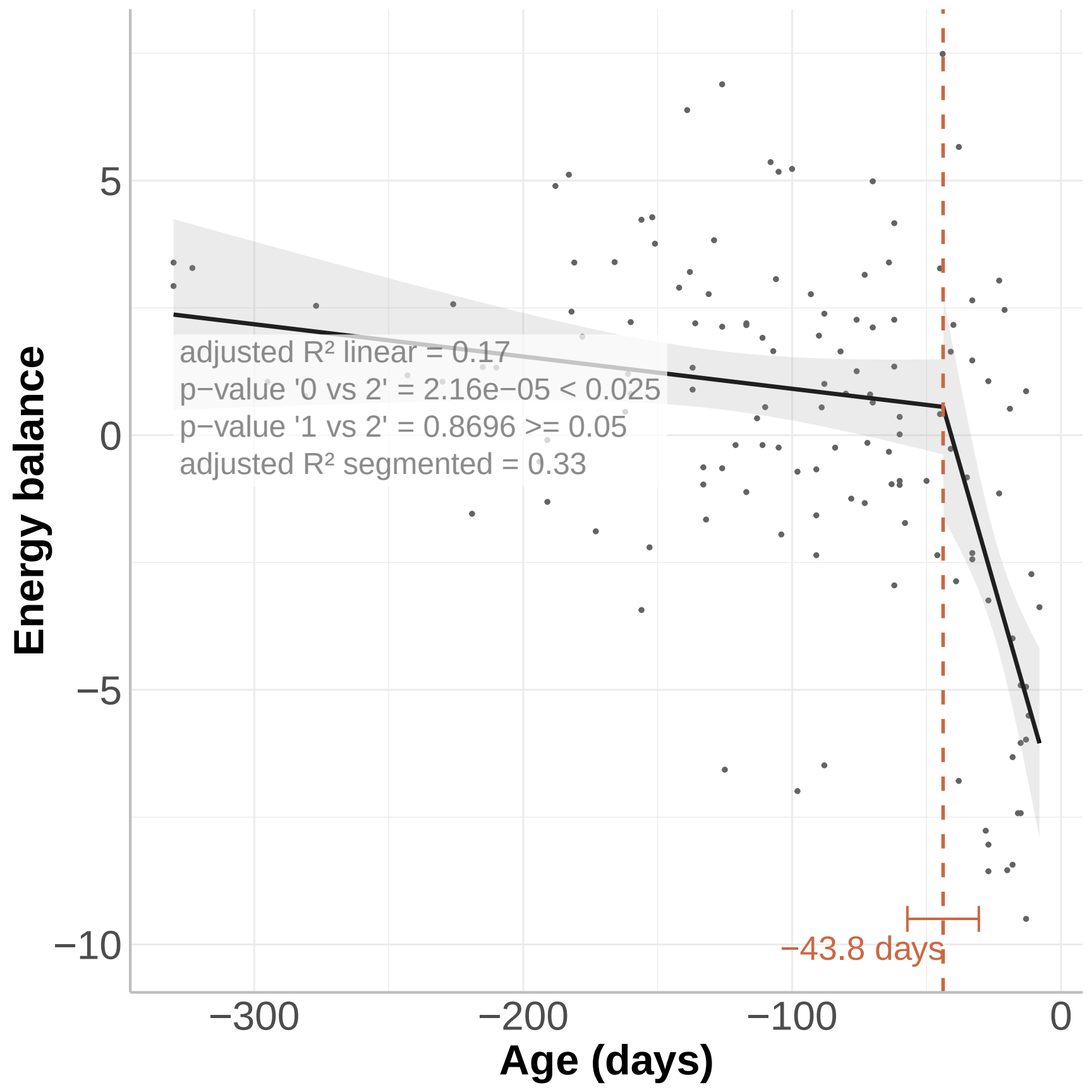
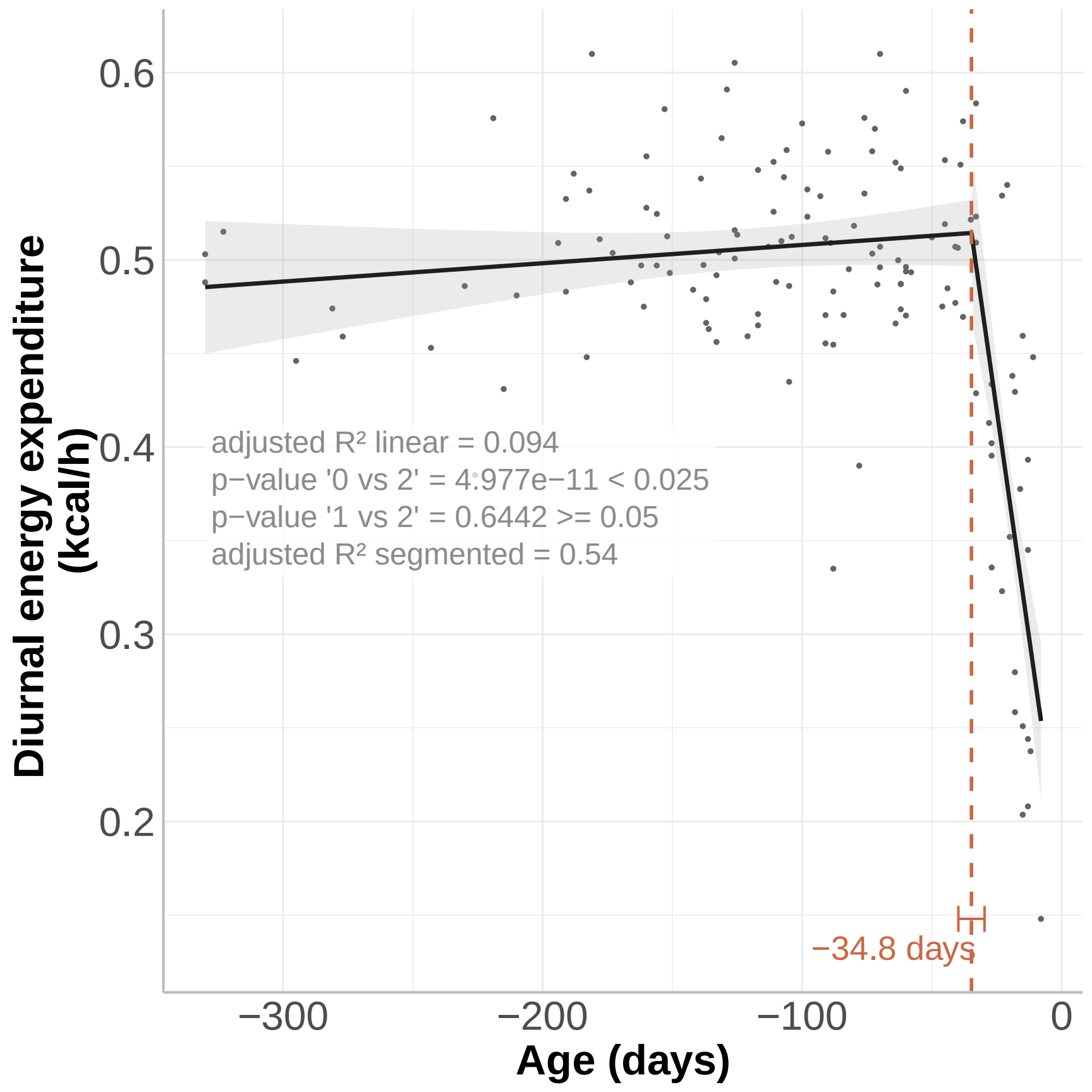
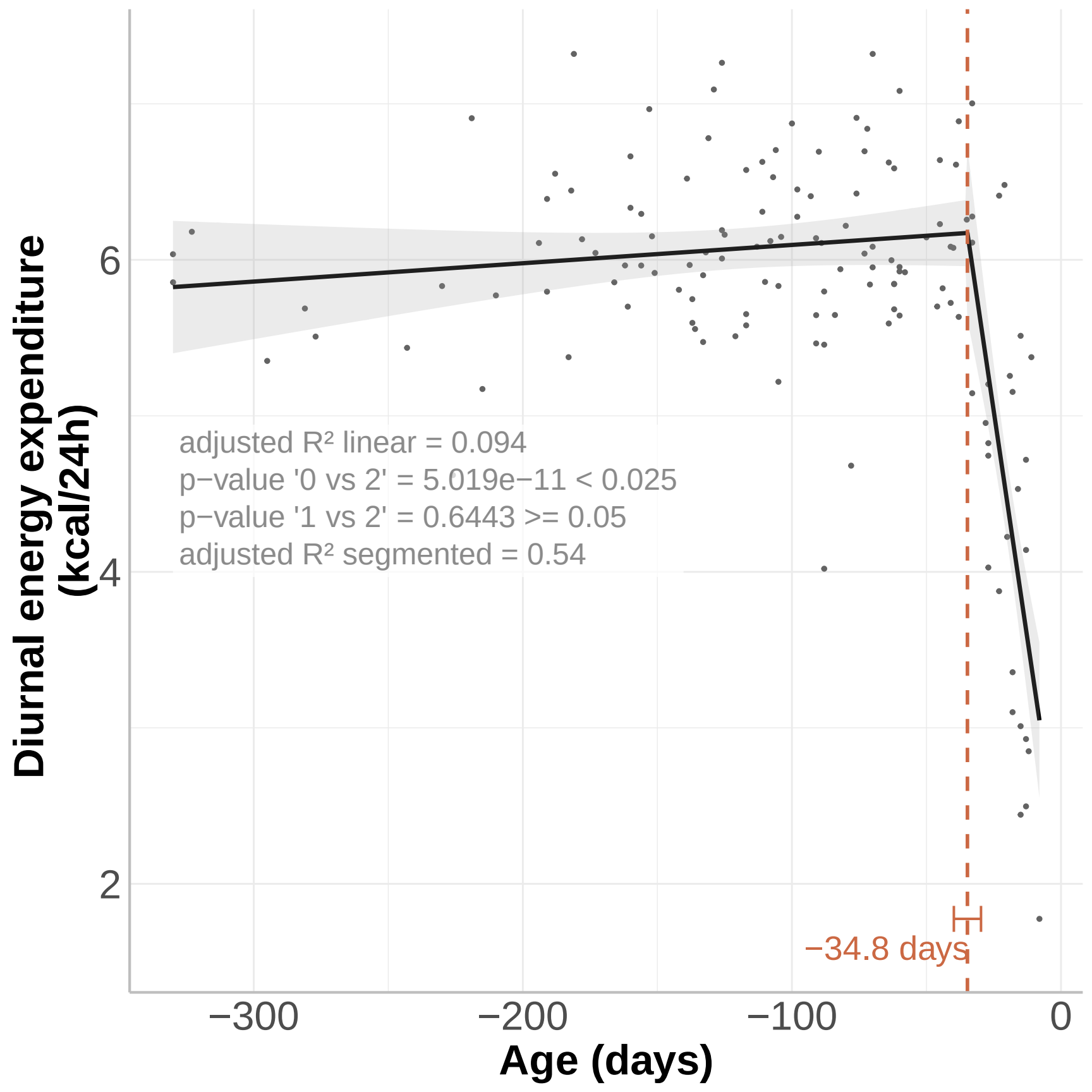
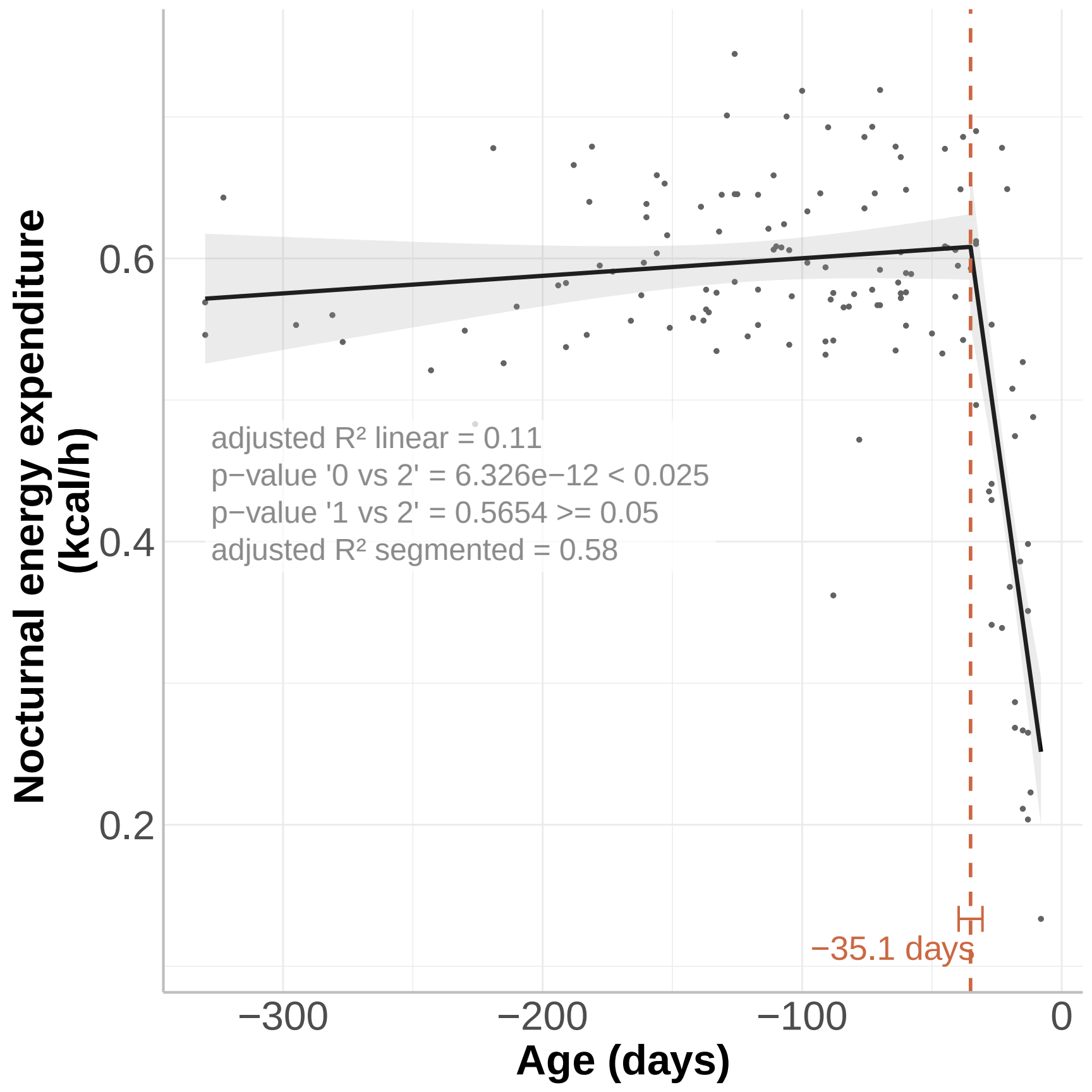

Body temperature (°C)
35
30
adjusted R² linear = 0.1
p−value '0 vs 2' = 1.115e−14 < 0.025
p−value '1 vs 2' = 0.174 >= 0.05
adjusted R² segmented = 0.36
−23.8 days
−200
−100
0
Age (days)

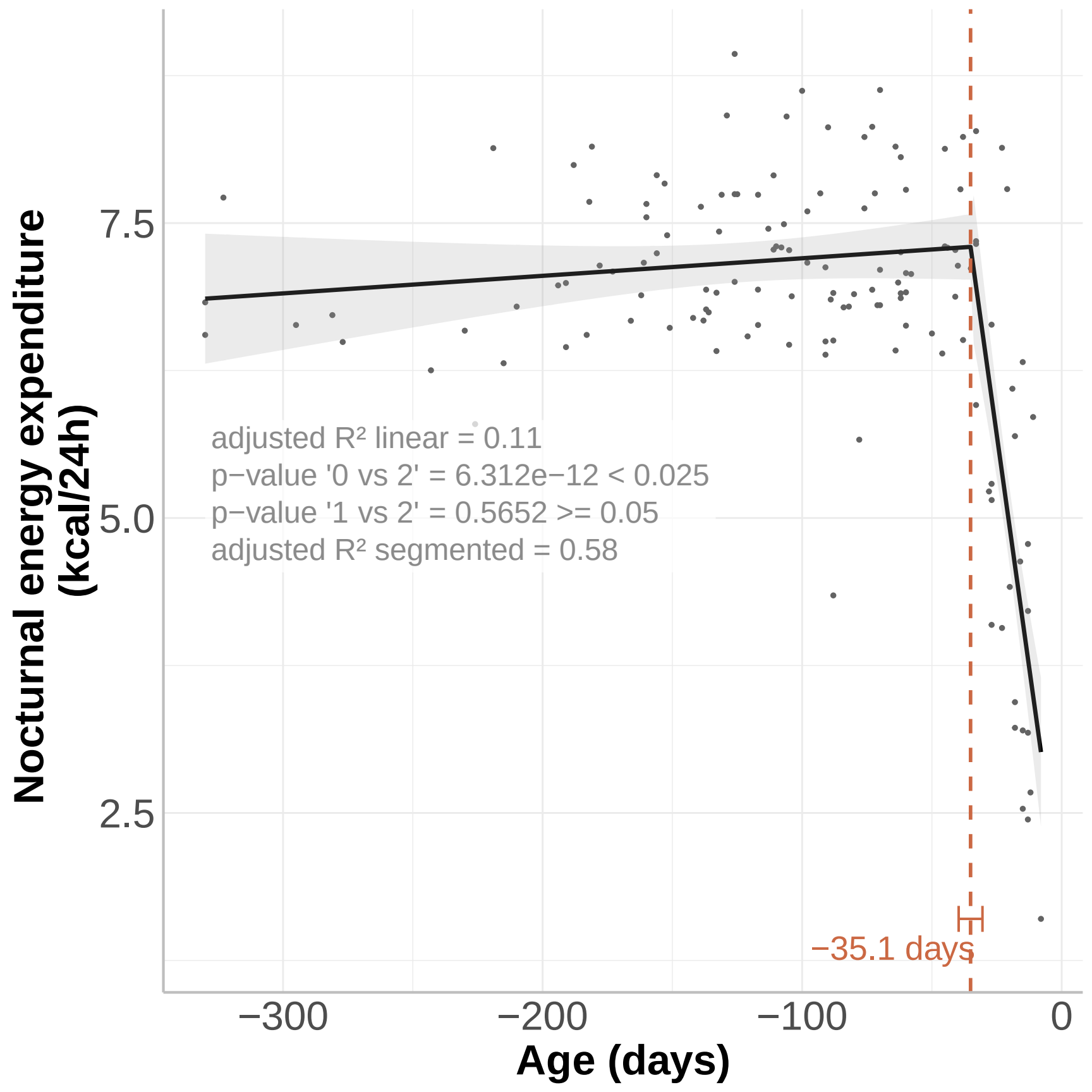

adjusted R² linear = 0.026
p−value '0 vs 2' = 5.342e−12 < 0.025
p−value '1 vs 2' = 0.2598 >= 0.05
adjusted R² segmented = 0.24
−25.5 days
Body weight (grams)
40
35
30
25
20
−300
−200
−100
0
Age (days)

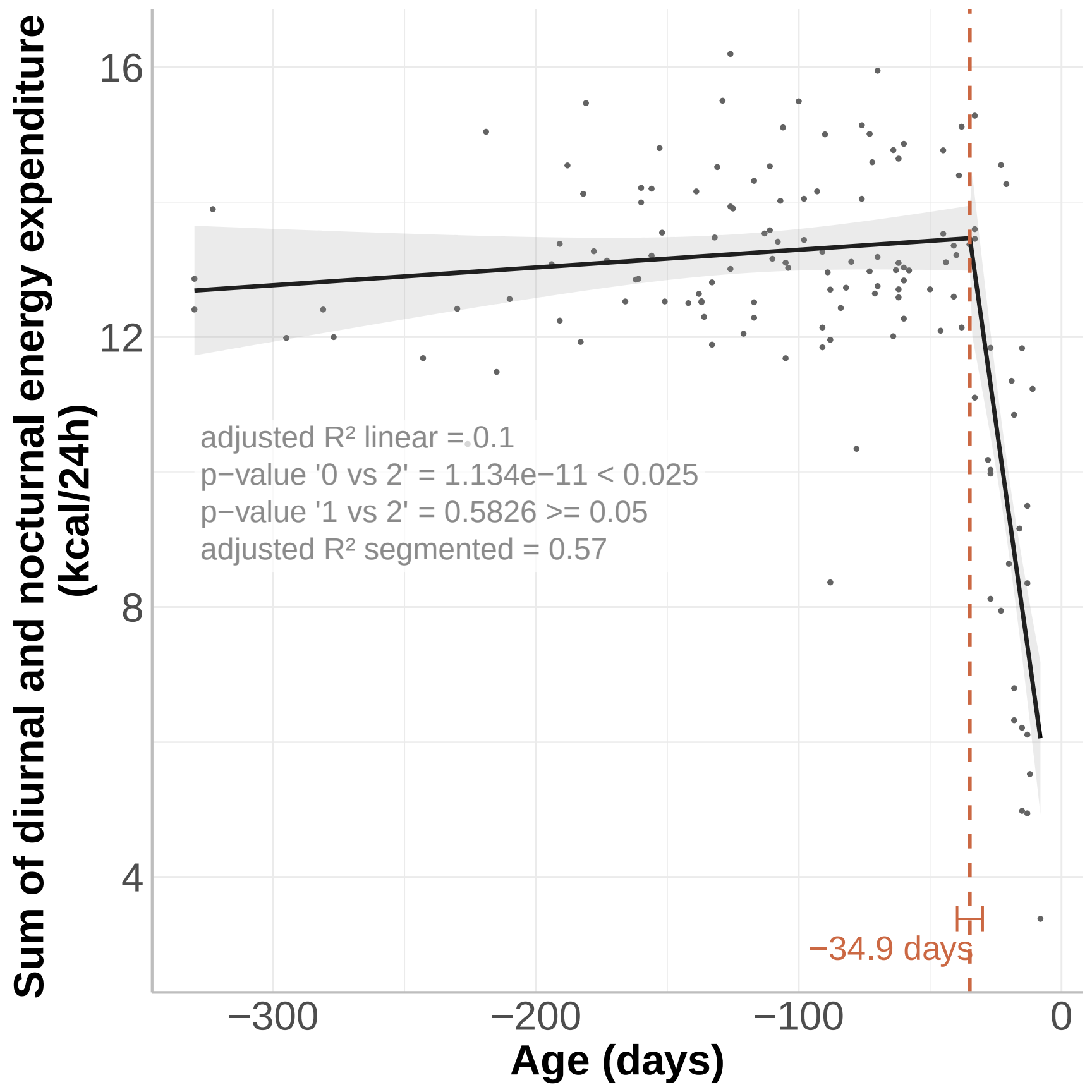

adjusted R² linear = 0.17
p−value '0 vs 2' = 2.16e−05 < 0.025
p−value '1 vs 2' = 0.8696 >= 0.05
adjusted R² segmented = 0.33
−43.8 days
Energy balance
5
0
−5
−10
−300
−200
−100
0
Age (days)

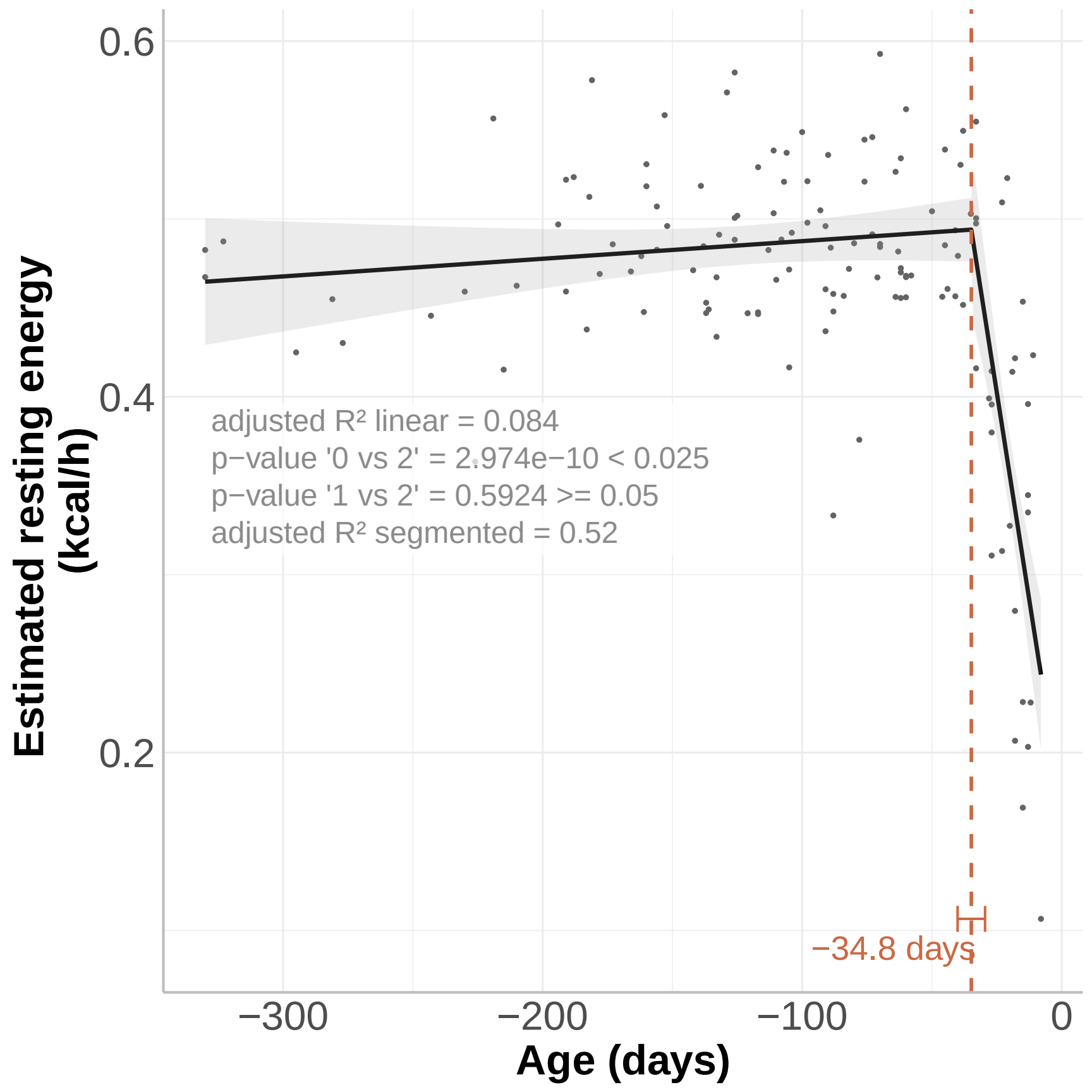

Diurnal energy expenditure (kcal/h)
0.6
0.5
0.4
0.3
0.2
adjusted R² linear = 0.094
p−value '0 vs 2' = 4.977e−11 < 0.025
p−value '1 vs 2' = 0.6442 >= 0.05
adjusted R² segmented = 0.54
−34.8 days
−300
−200
−100
0
Age (days)

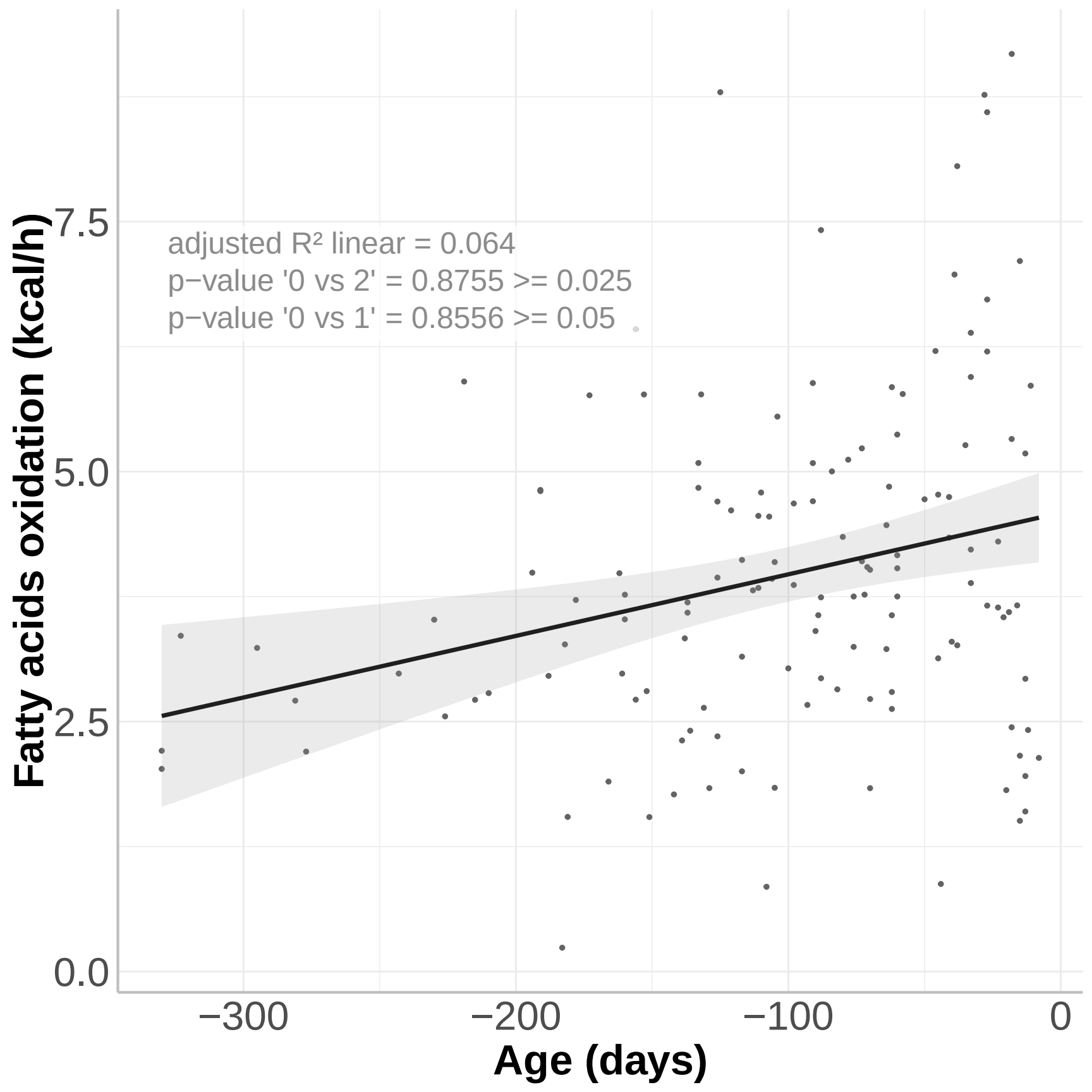

Diurnal energy expenditure (kcal/24h)
6
4
2
adjusted R² linear = 0.094
p−value '0 vs 2' = 5.019e−11 < 0.025
p−value '1 vs 2' = 0.6443 >= 0.05
adjusted R² segmented = 0.54
−34.8 days
−300
−200
−100
0
Age (days)

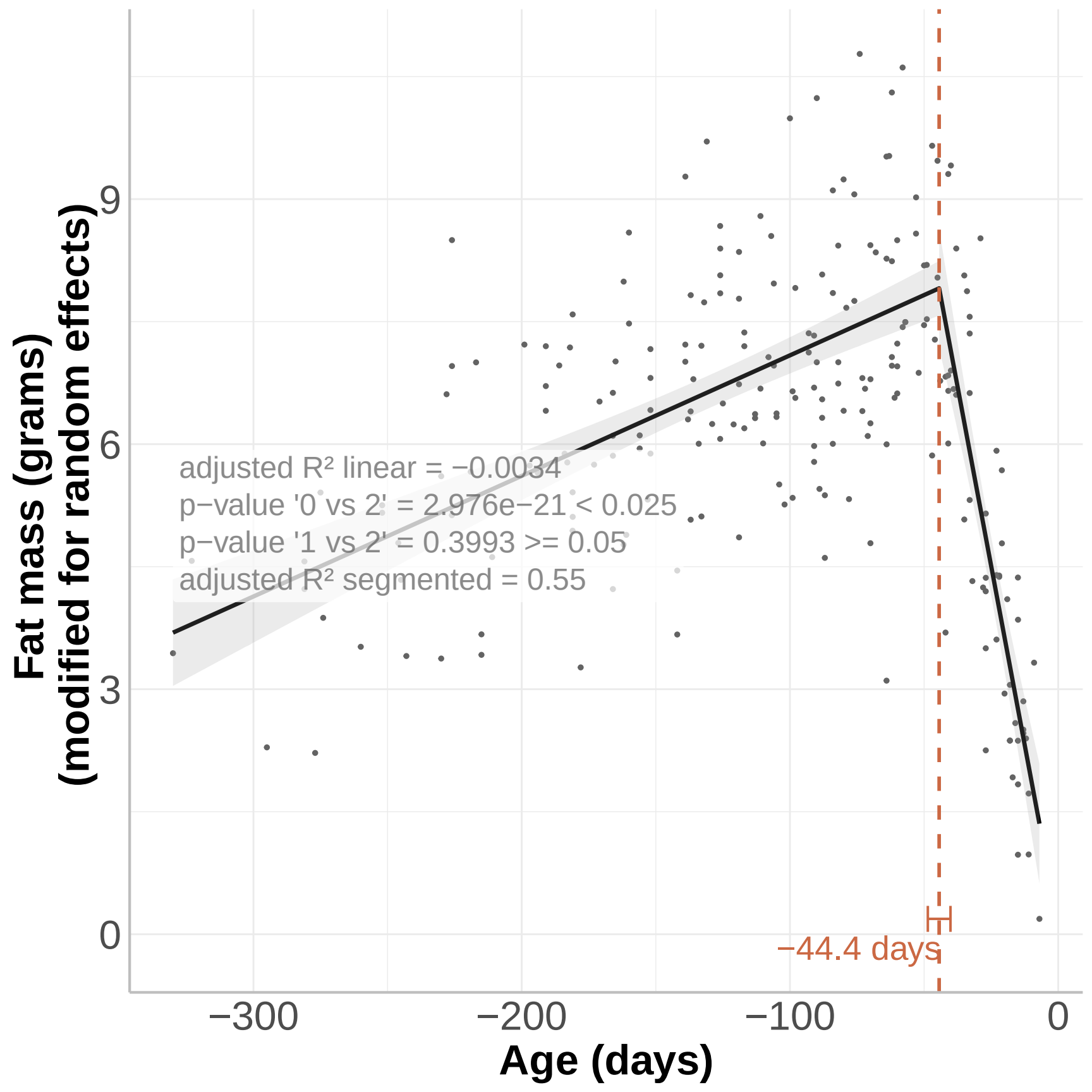

Nocturnal energy expenditure (kcal/h)
0.6
0.4
0.2
adjusted R² linear = 0.11
p−value '0 vs 2' = 6.326e−12 < 0.025
p−value '1 vs 2' = 0.5654 >= 0.05
adjusted R² segmented = 0.58
−35.1 days
−300
−200
−100
0
Age (days)

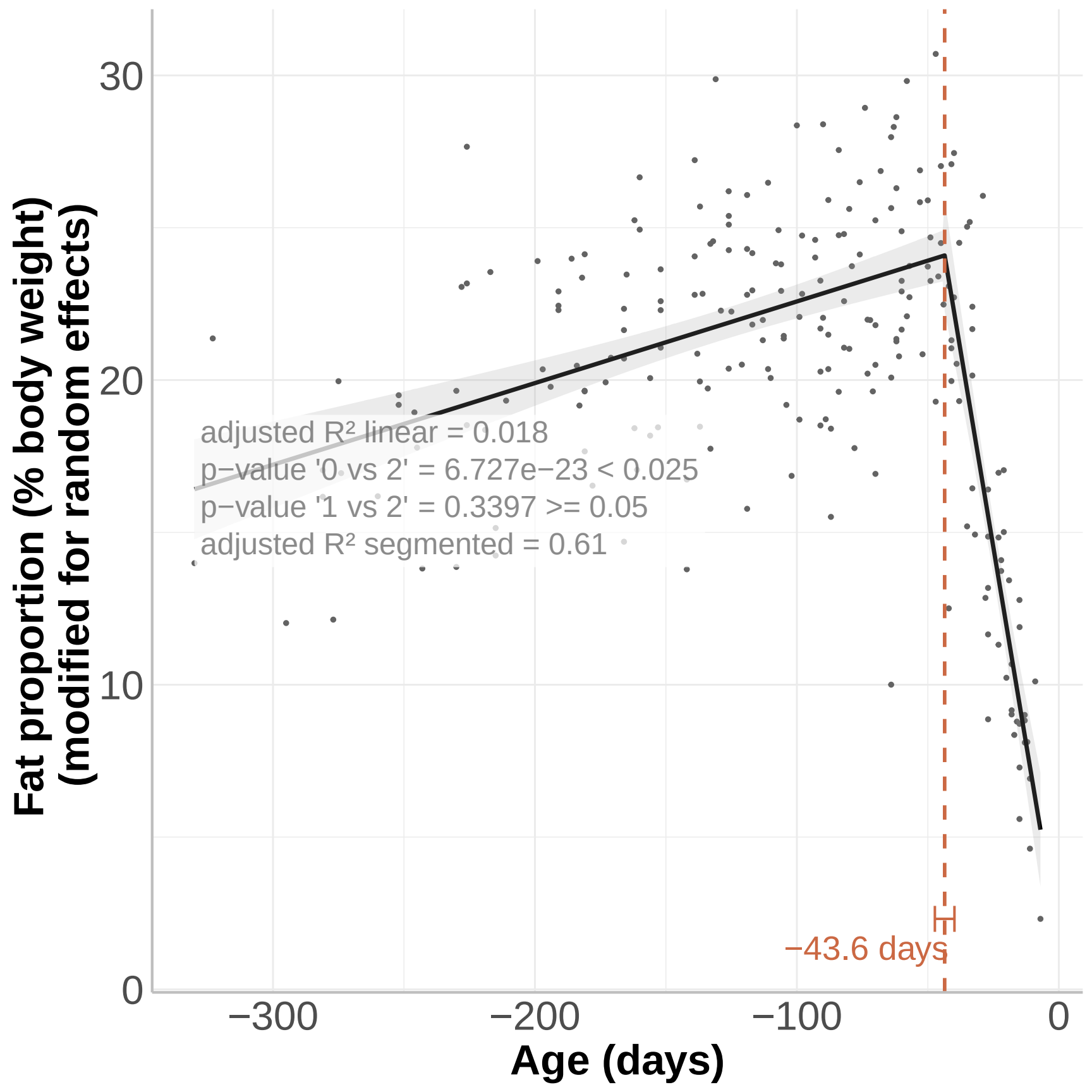

Nocturnal energy expenditure (kcal/24h)
7.5
5.0
2.5
adjusted R² linear = 0.11
p−value '0 vs 2' = 6.312e−12 < 0.025
p−value '1 vs 2' = 0.5652 >= 0.05
adjusted R² segmented = 0.58
−35.1 days
−300
−200
−100
0
Age (days)

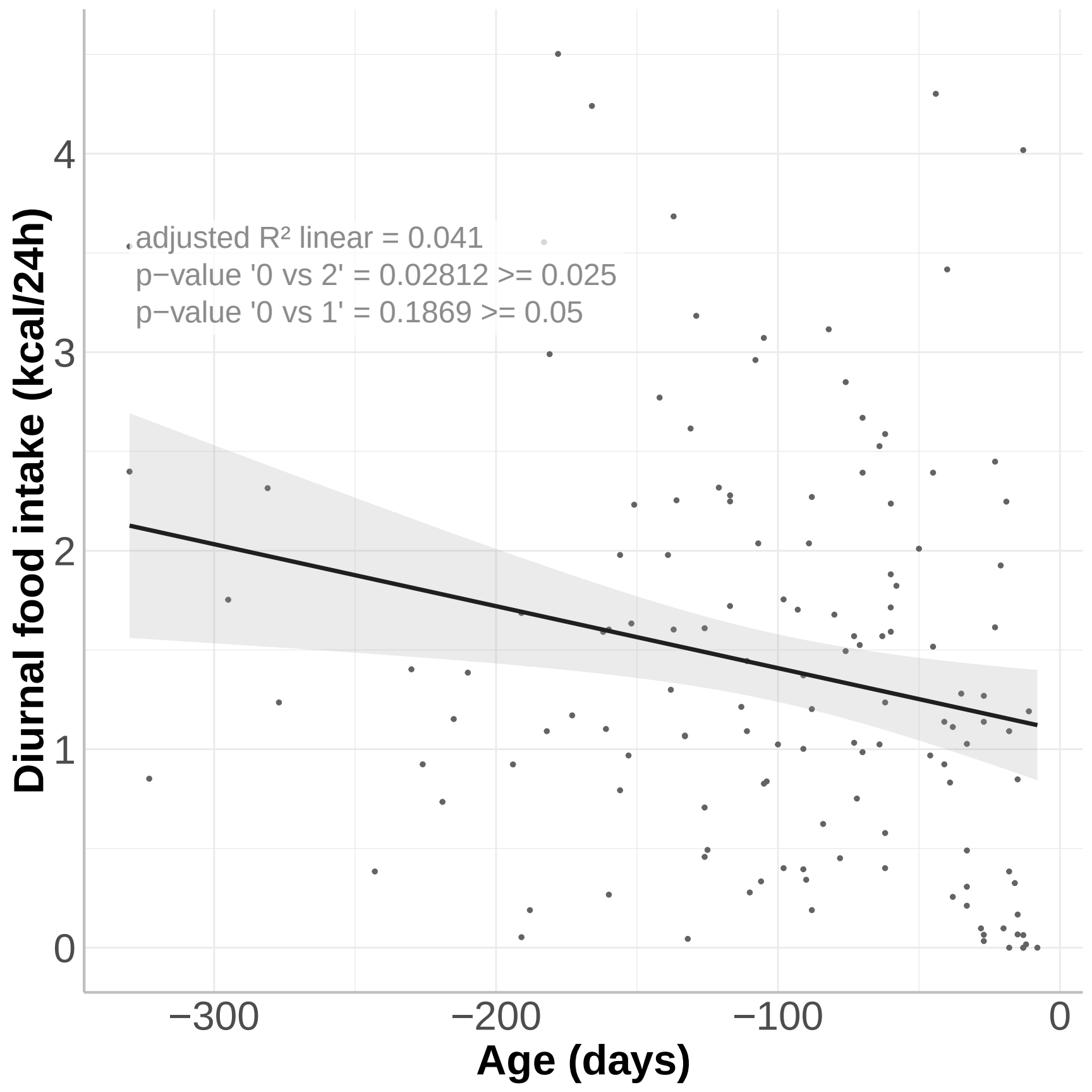

Sum of diurnal and nocturnal energy expenditure (kcal/24h)
16
12
8
4
adjusted R² linear = 0.1
p−value '0 vs 2' = 1.134e−11 < 0.025
p−value '1 vs 2' = 0.5826 >= 0.05
adjusted R² segmented = 0.57
−34.9 days
−300
−200
−100
0
Age (days)

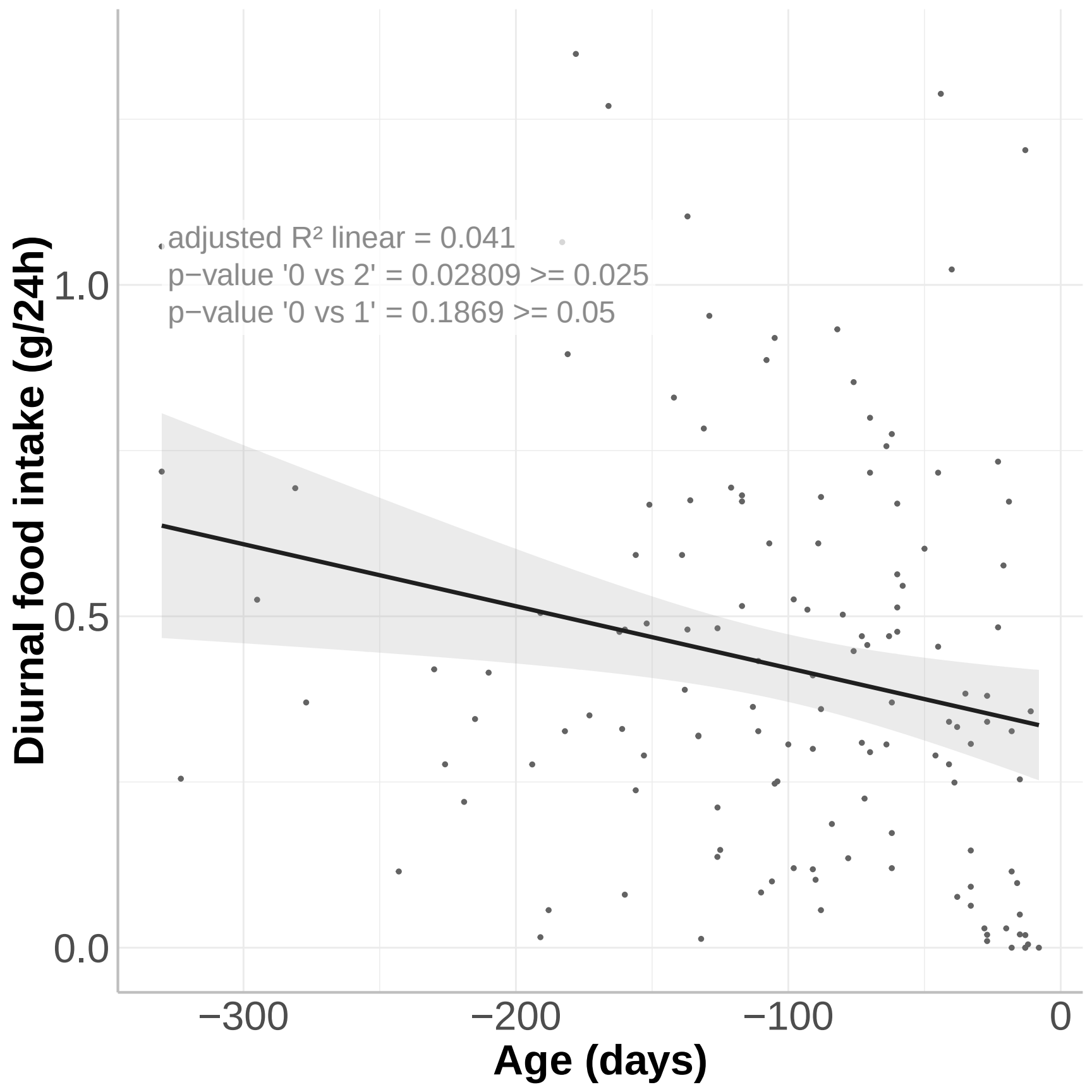

0.6
0.4
0.2
Estimated resting energy (kcal/h)
adjusted R² linear = 0.084
p−value '0 vs 2' = 2.974e−10 < 0.025
p−value '1 vs 2' = 0.5924 >= 0.05
adjusted R² segmented = 0.52
−34.8 days
−300
−200
−100
0
Age (days)

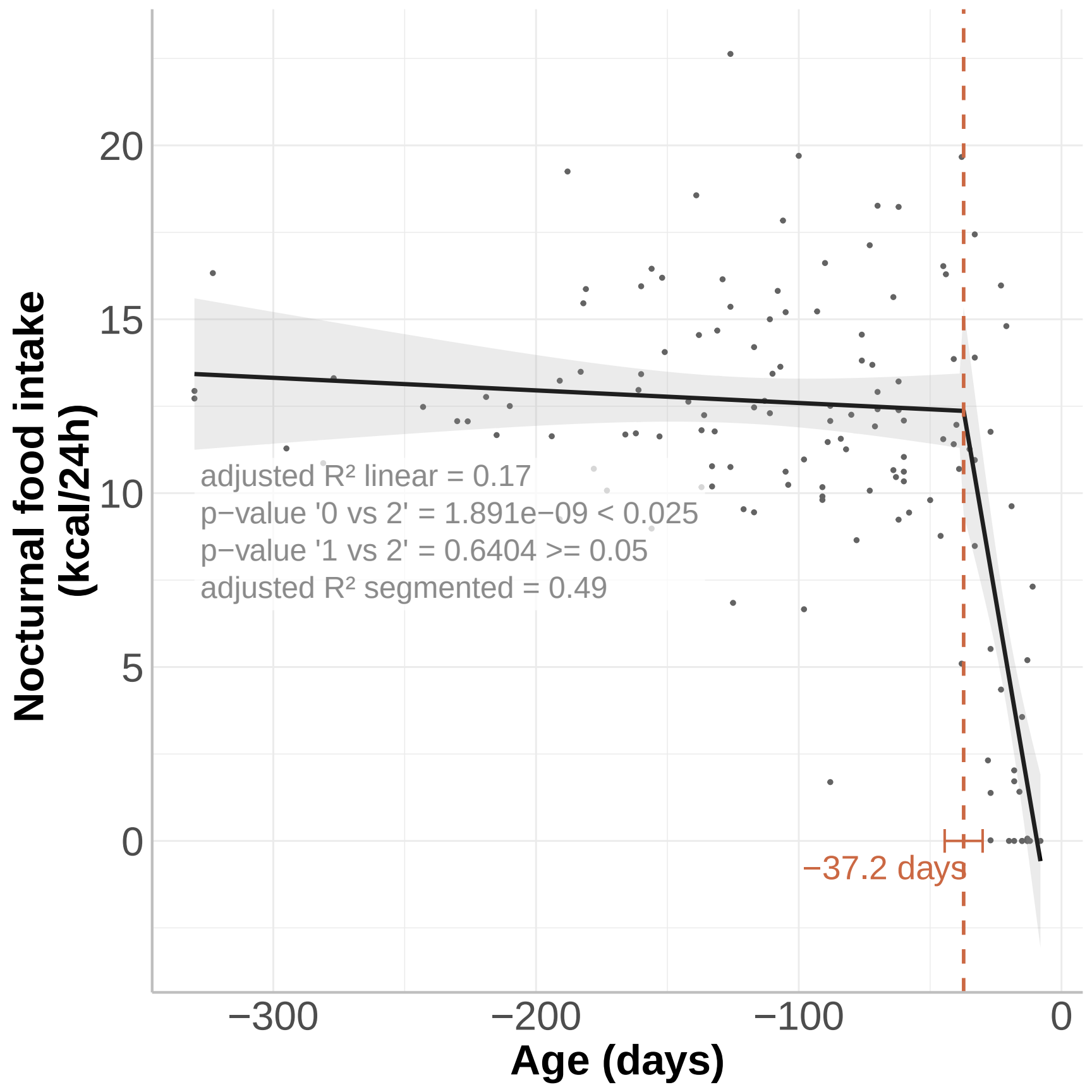

adjusted R² linear = 0.064
p−value '0 vs 2' = 0.8755 >= 0.025
p−value '0 vs 1' = 0.8556 >= 0.05
Fatty acids oxidation (kcal/h)
7.5
5.0
2.5
0.0
−300
−200
−100
0
Age (days)

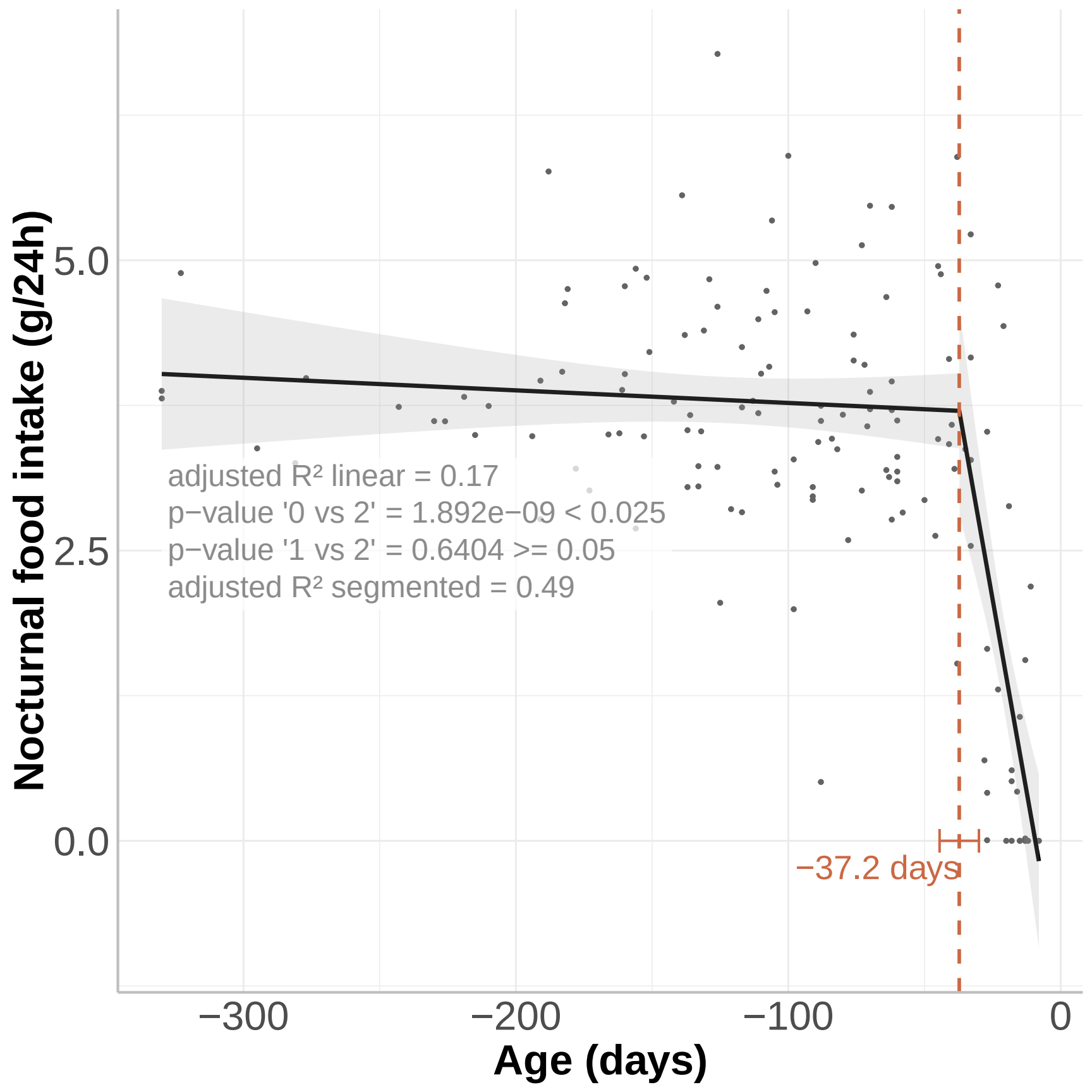

Fat mass (grams)
(modified for random effects)
9
6
3
0
adjusted R² linear = −0.0034
p−value '0 vs 2' = 2.976e−21 < 0.025
p−value '1 vs 2' = 0.3993 >= 0.05
adjusted R² segmented = 0.55
−44.4 days
−300
−200
−100
0
Age (days)

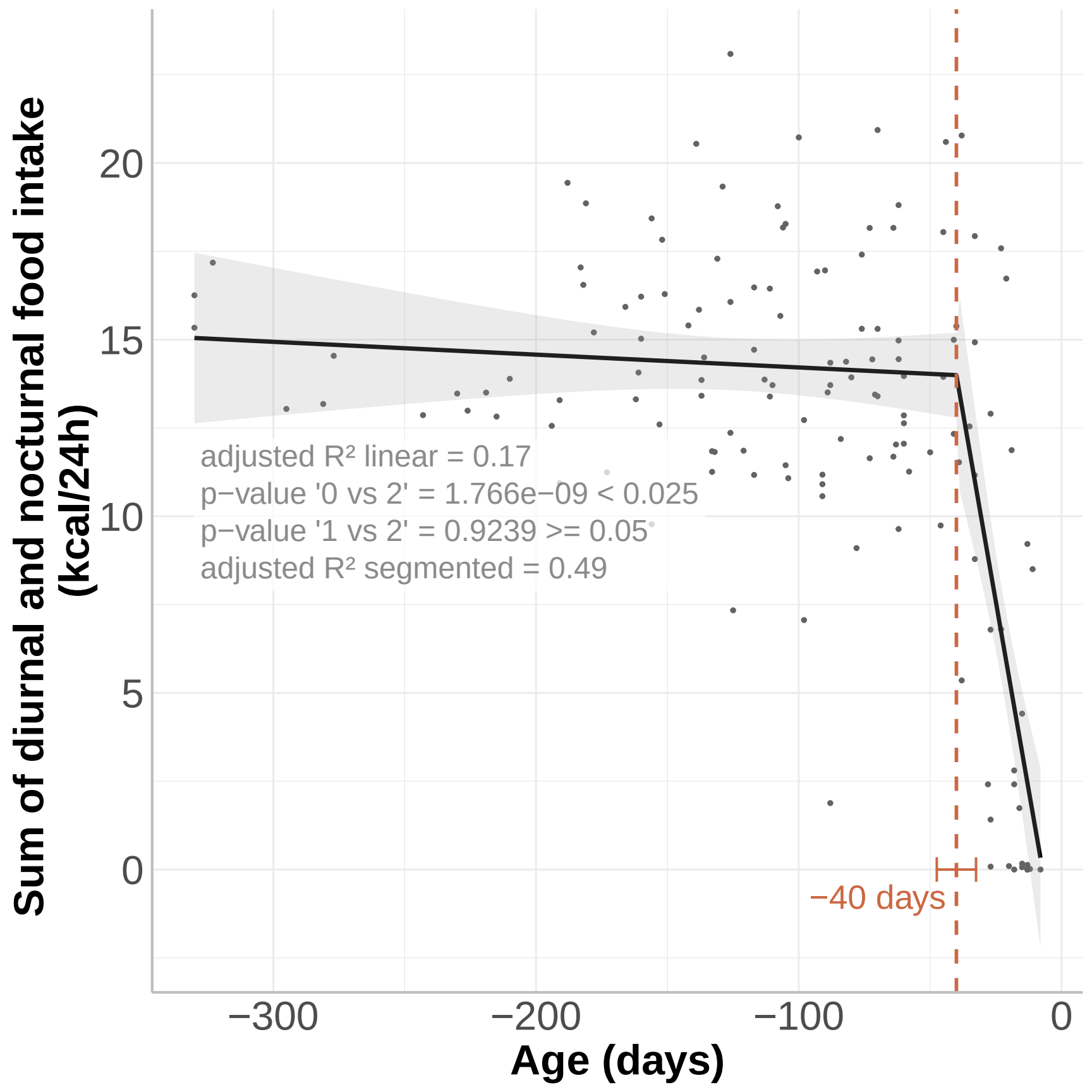

Fat proportion (% body weight)
(modified for random effects)
30
20
10
0
−300
−200
−100
0
Age (days)
adjusted R² linear = 0.018
p−value '0 vs 2' = 6.727e−23 < 0.025
p−value '1 vs 2' = 0.3397 >= 0.05
adjusted R² segmented = 0.61
−43.6 days

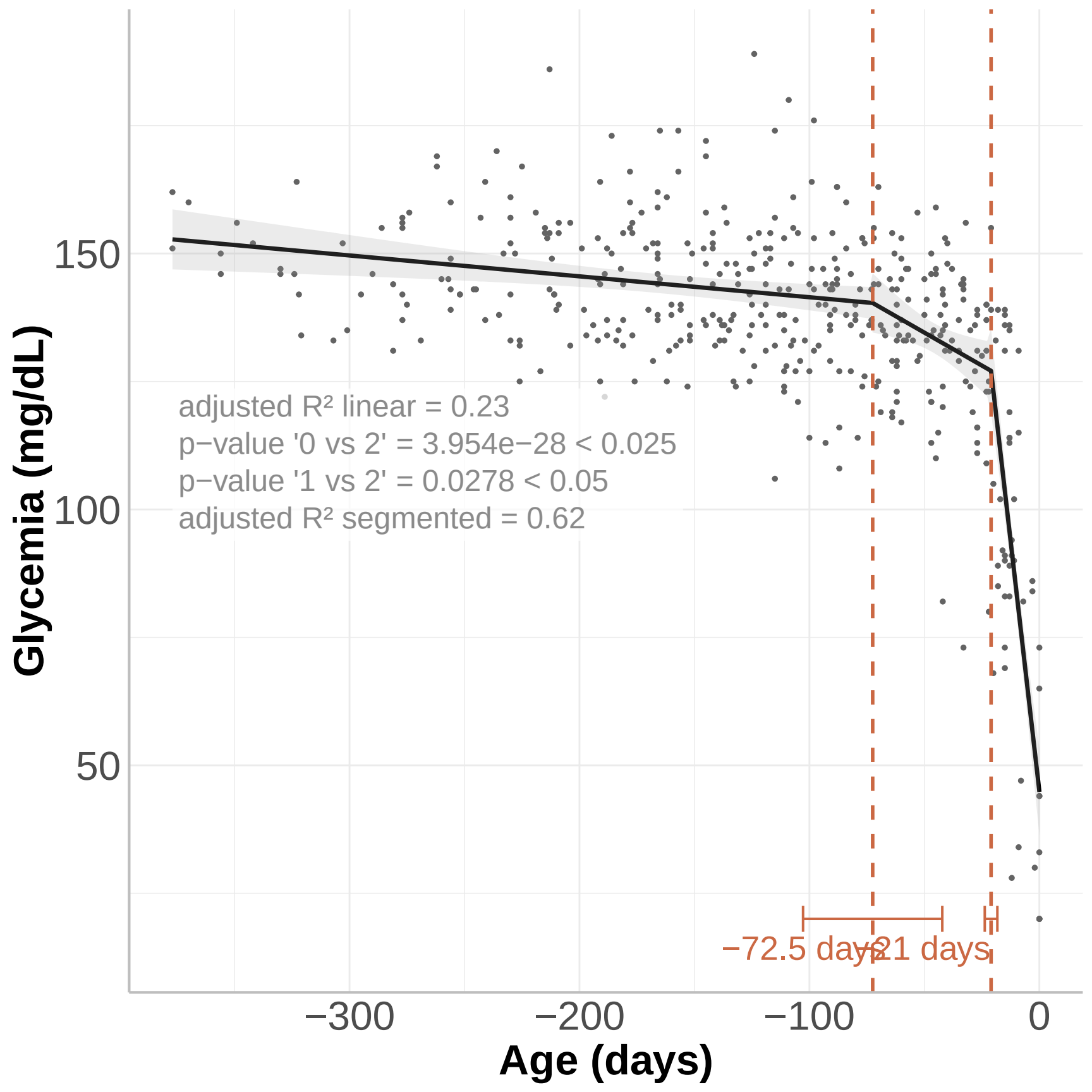

adjusted R² linear = 0.041
p−value '0 vs 2' = 0.02812 >= 0.025
p−value '0 vs 1' = 0.1869 >= 0.05
Diurnal food intake (kcal/24h)
0
1
2
3
4
−300
−200
−100
0
Age (days)

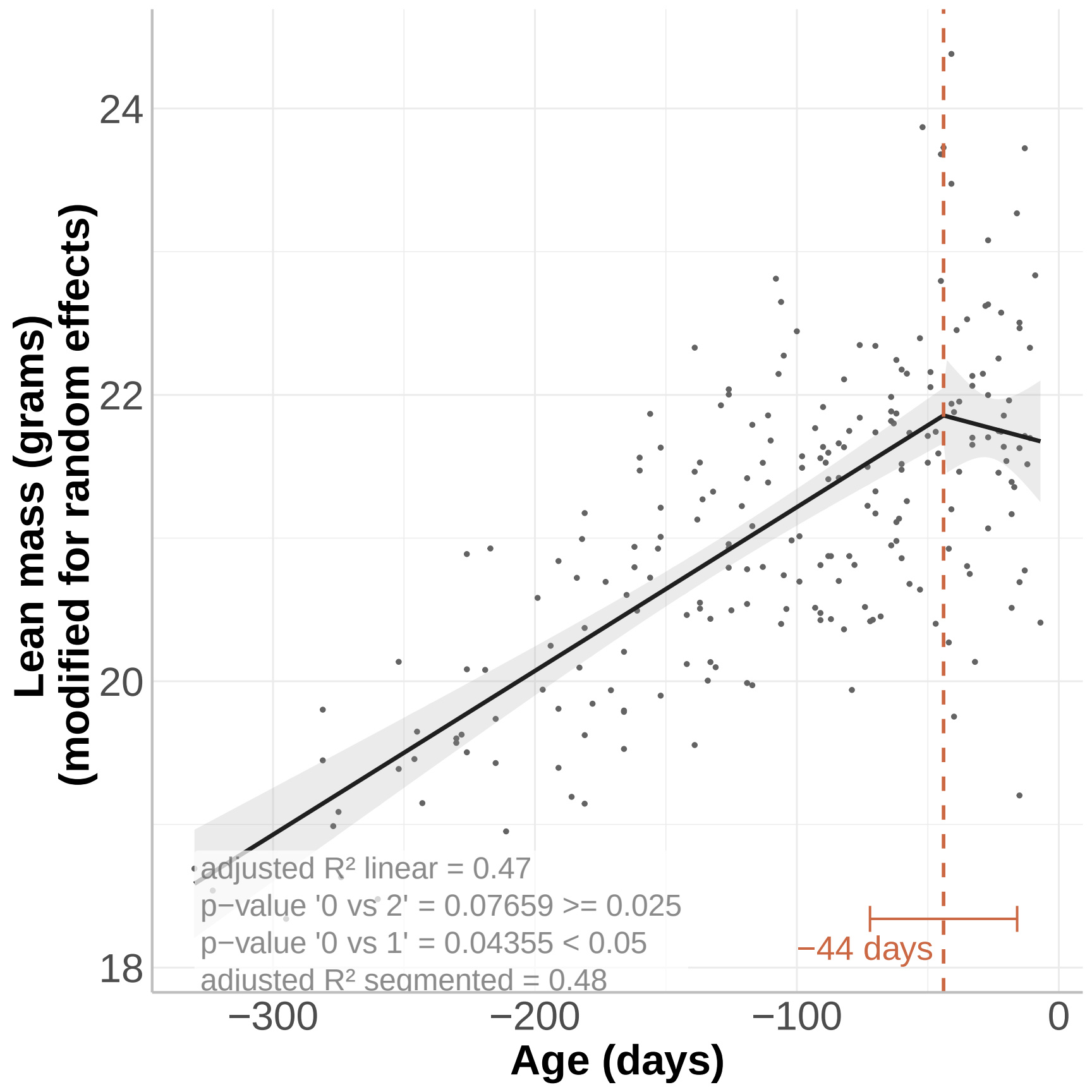

adjusted R² linear = 0.041
p−value '0 vs 2' = 0.02809 >= 0.025
p−value '0 vs 1' = 0.1869 >= 0.05
Diurnal food intake (g/24h)
1.0
0.5
0.0
−300
−200
−100
0
Age (days)

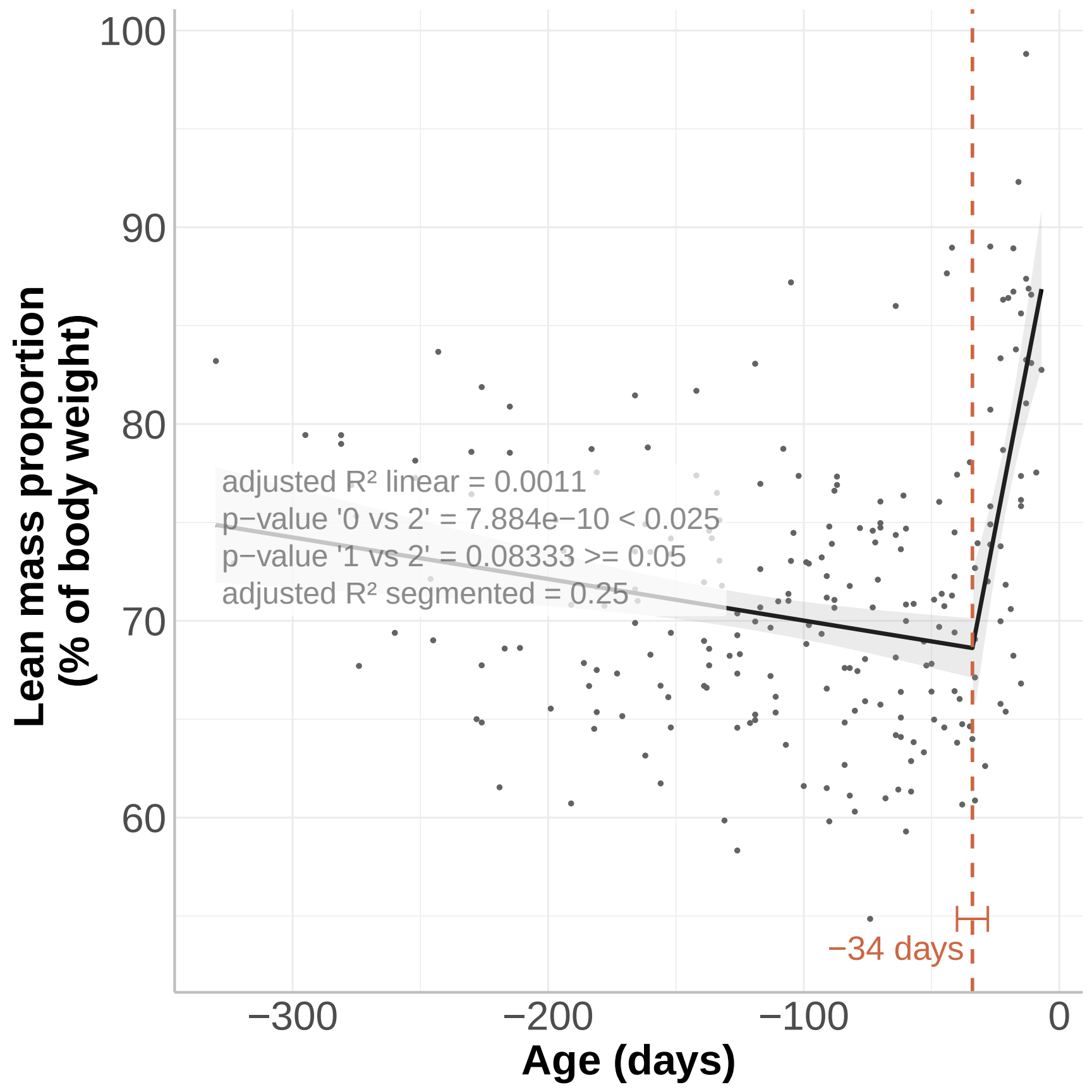

Nocturnal food intake (kcal/24h)
20
15
10
5
0
adjusted R² linear = 0.17
p−value '0 vs 2' = 1.891e−09 < 0.025
p−value '1 vs 2' = 0.6404 >= 0.05
adjusted R² segmented = 0.49
−37.2 days
−300
−200
−100
0
Age (days)

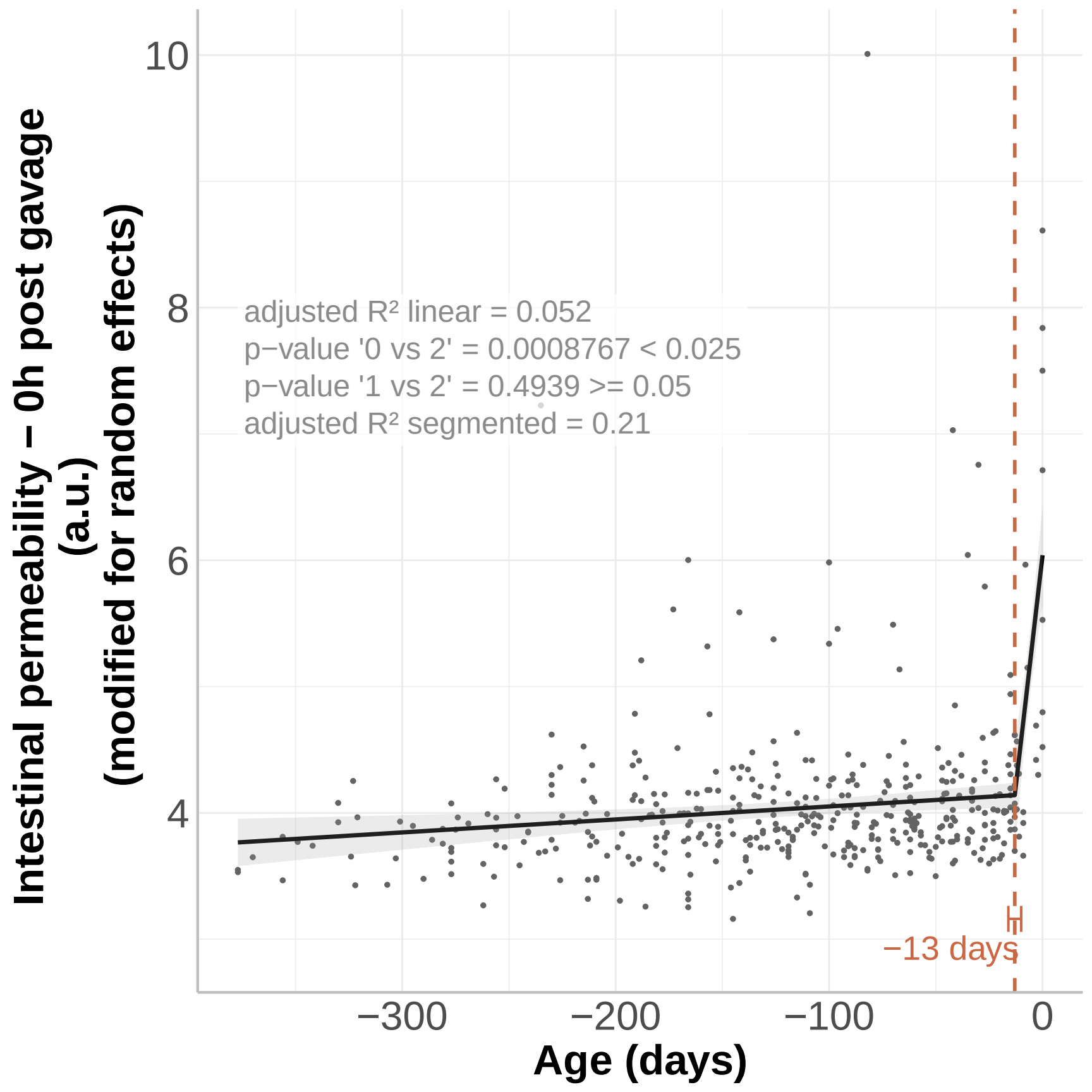

Nocturnal food intake (g/24h)
5.0
2.5
0.0
adjusted R² linear = 0.17
p−value '0 vs 2' = 1.892e−09 < 0.025
p−value '1 vs 2' = 0.6404 >= 0.05
adjusted R² segmented = 0.49
−37.2 days
−300
−200
−100
0
Age (days)

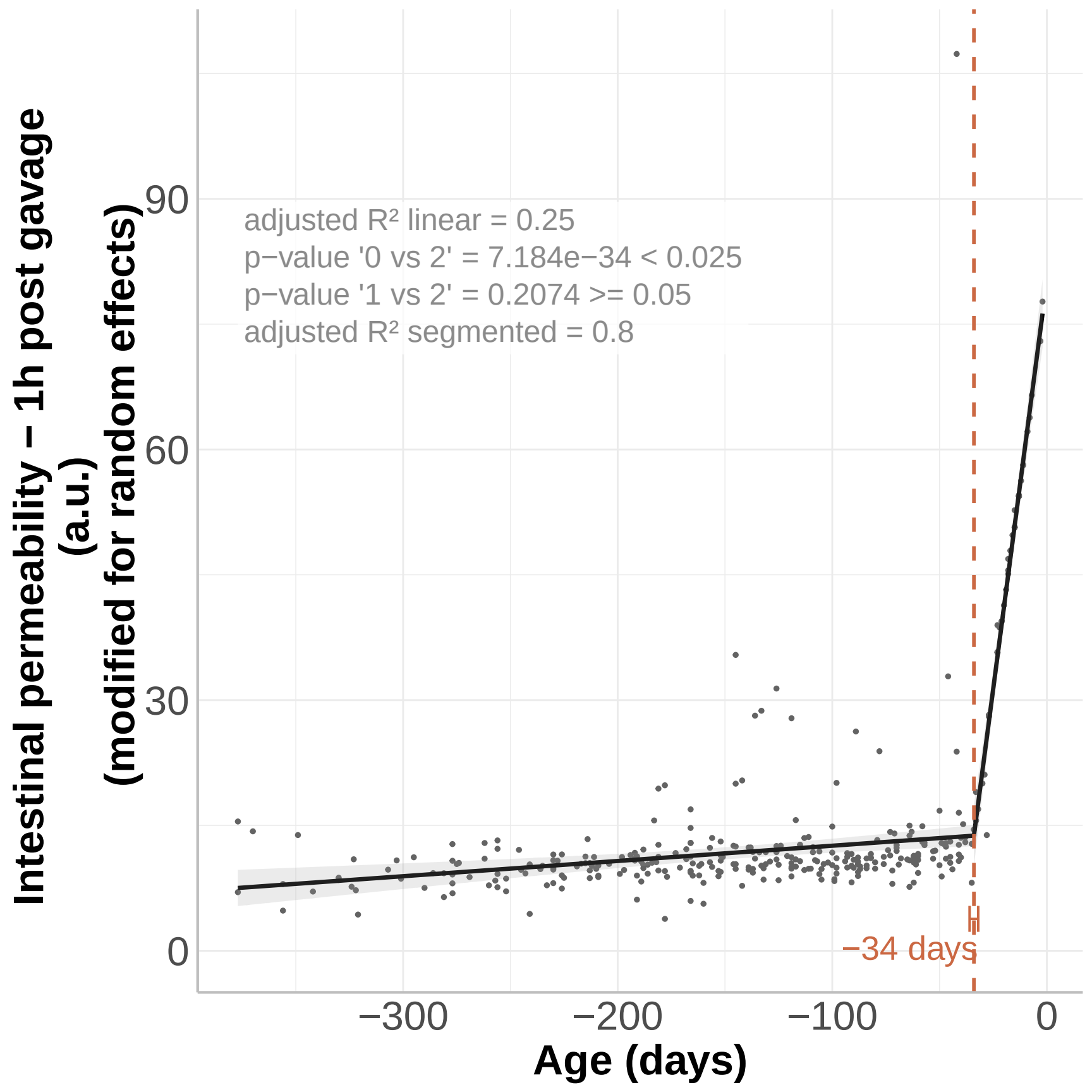

Sum of diurnal and nocturnal food intake (kcal/24h)
20
15
10
5
0
adjusted R² linear = 0.17
p−value '0 vs 2' = 1.766e−09 < 0.025
p−value '1 vs 2' = 0.9239 >= 0.05
adjusted R² segmented = 0.49
−40 days
−300
−200
−100
0
Age (days)

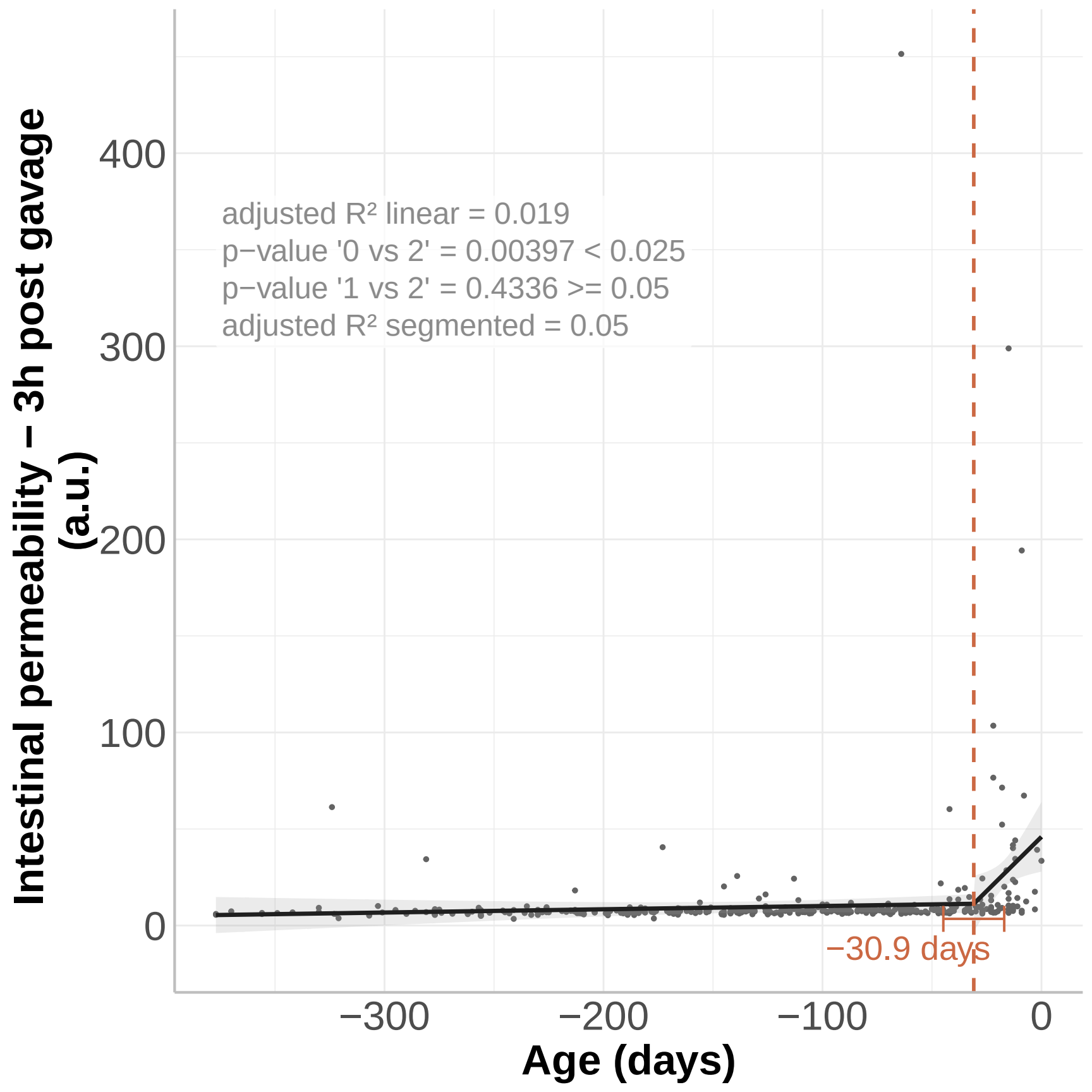

Glycemia (mg/dL)
150
100
50
adjusted R² linear = 0.23
p−value '0 vs 2' = 3.954e−28 < 0.025
p−value '1 vs 2' = 0.0278 < 0.05
adjusted R² segmented = 0.62
−72.5 days
−21 days
−300
−200
−100
0
Age (days)

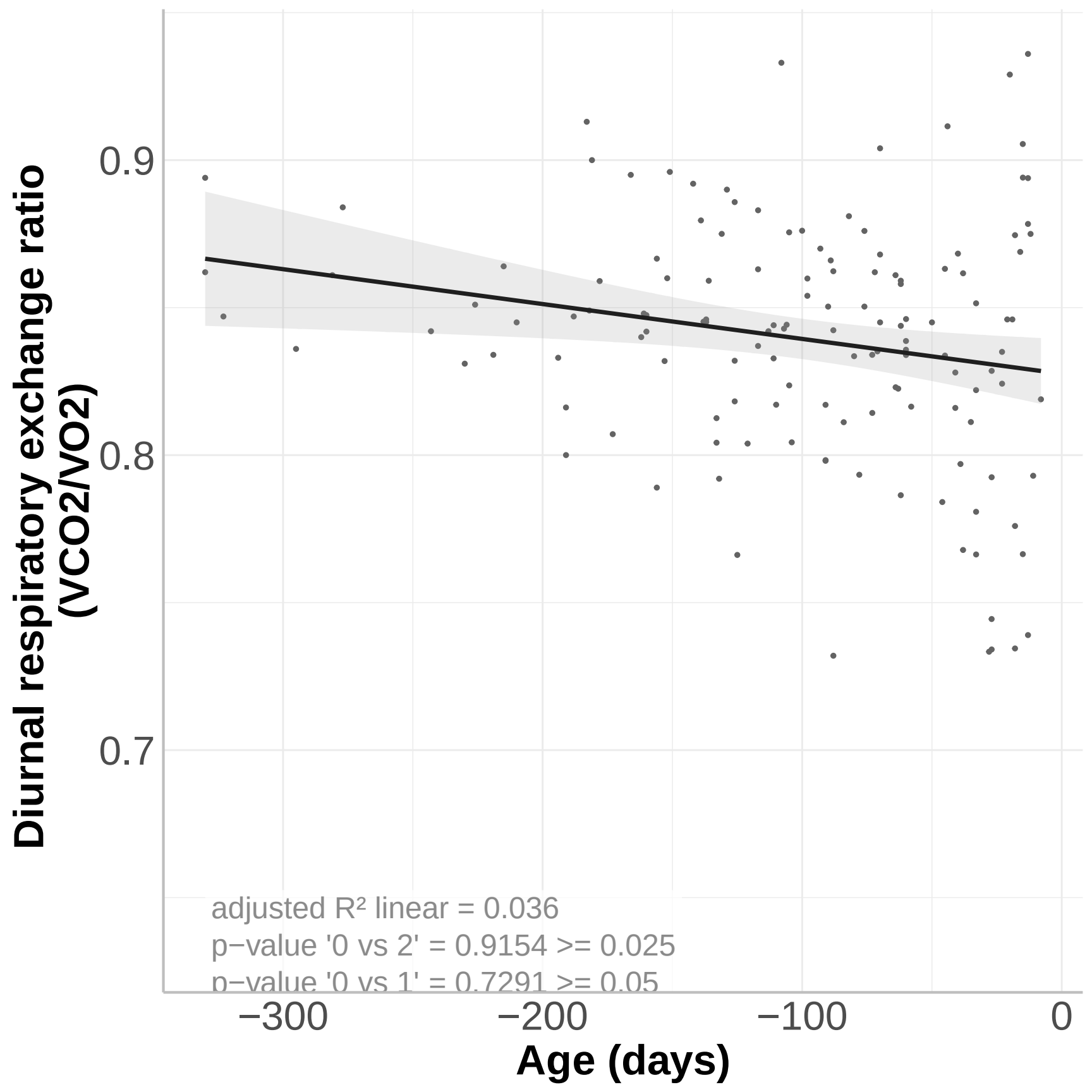

Lean mass (grams)
(modified for random effects)
24
22
20
18
−300
−200
−100
0
Age (days)
adjusted R² linear = 0.47
p−value '0 vs 2' = 0.07659 >= 0.025
p−value '0 vs 1' = 0.04355 < 0.05
adjusted R² segmented = 0.48
−44 days

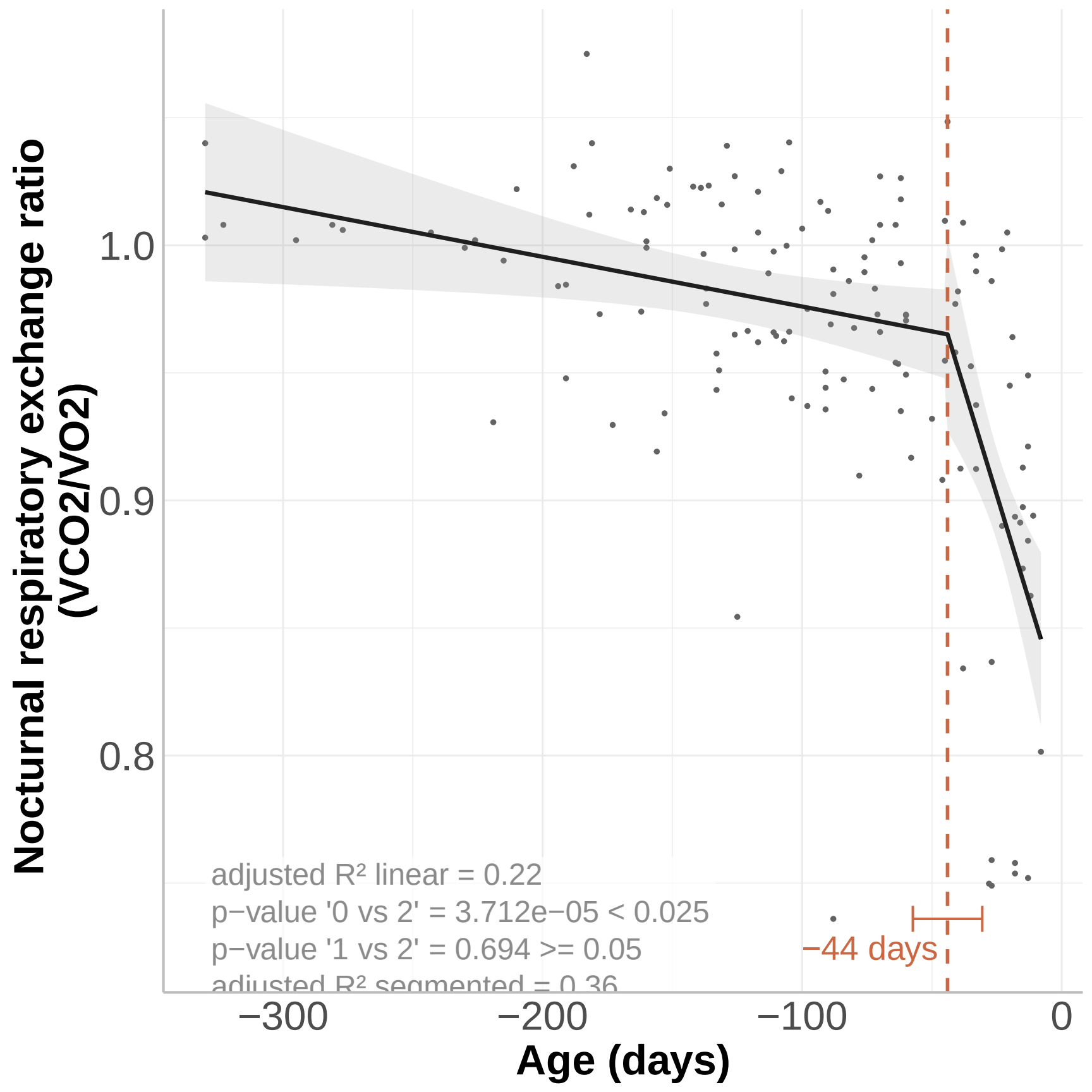

Lean mass proportion
(% of body weight)
100
90
80
70
60
adjusted R² linear = 0.0011
p−value '0 vs 2' = 7.884e−10 < 0.025
p−value '1 vs 2' = 0.08333 >= 0.05
adjusted R² segmented = 0.25
−34 days
−300
−200
−100
0
Age (days)

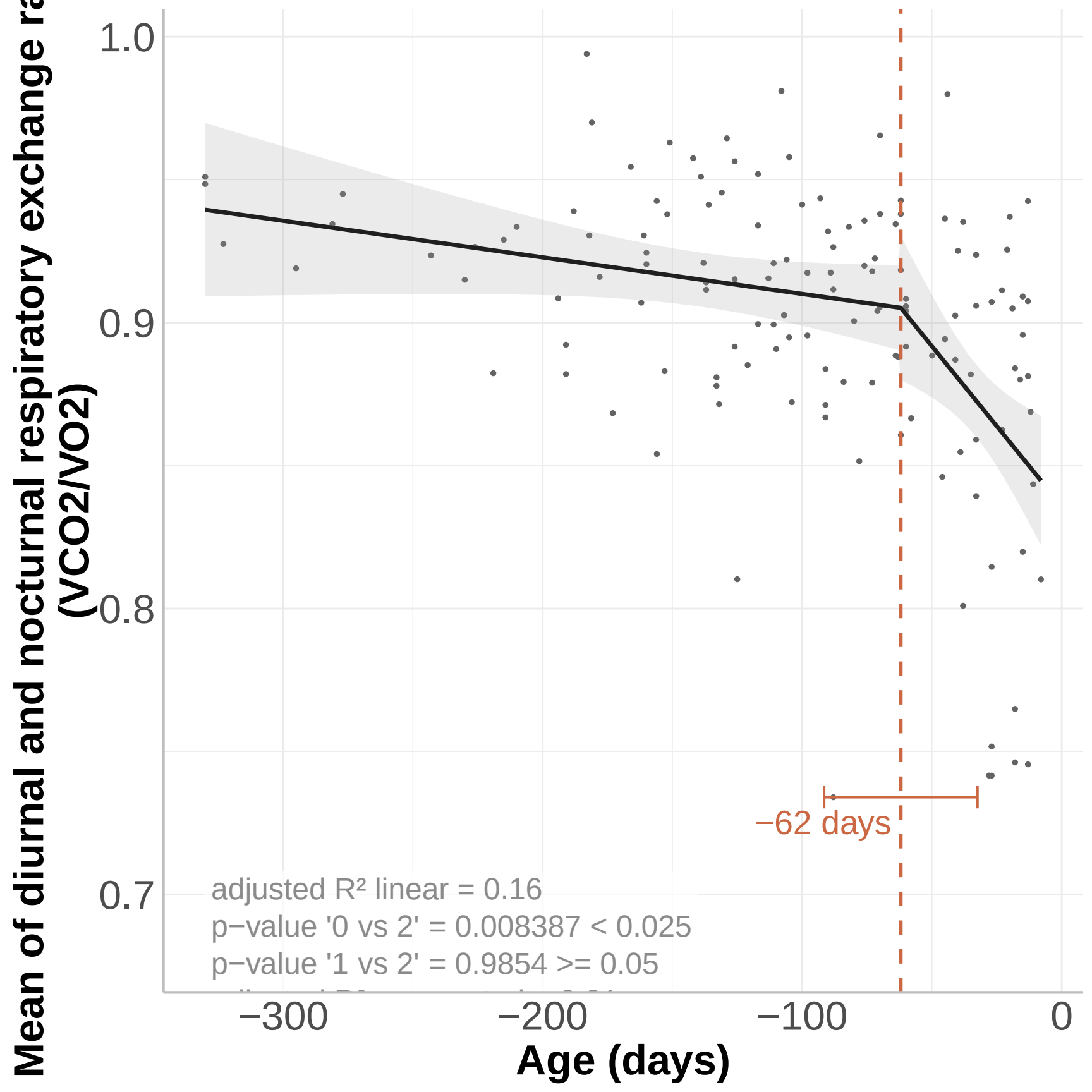

Intestinal permeability – 0h post gavage
(a.u.)
(modified for random effects)
10
8
6
4
adjusted R² linear = 0.052
p−value '0 vs 2' = 0.0008767 < 0.025
p−value '1 vs 2' = 0.4939 >= 0.05
adjusted R² segmented = 0.21
−13 days
−300
−200
−100
0
Age (days)

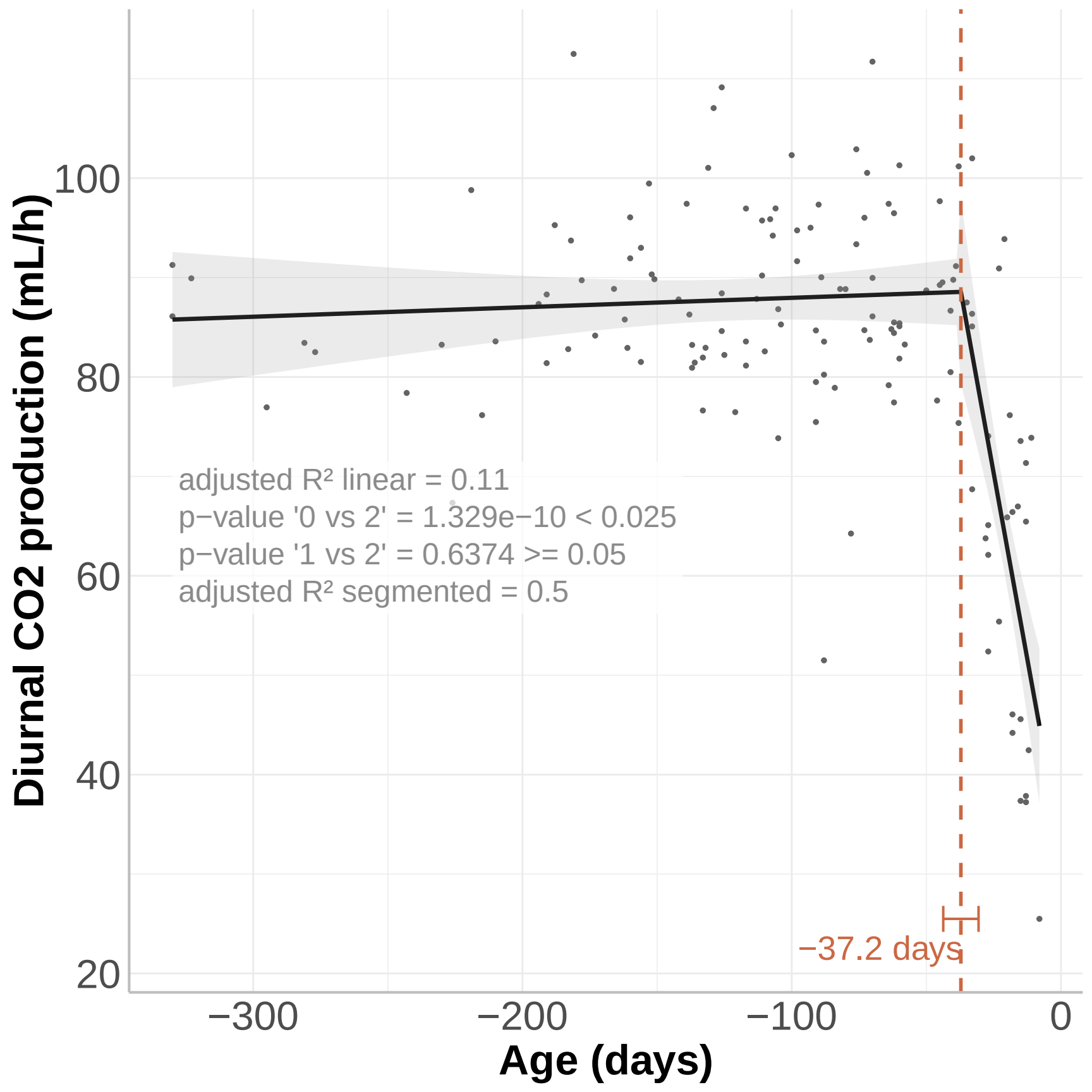

Intestinal permeability – 1h post gavage
(a.u.)
(modified for random effects)
90
60
30
0
adjusted R² linear = 0.25
p−value '0 vs 2' = 7.184e−34 < 0.025
p−value '1 vs 2' = 0.2074 >= 0.05
adjusted R² segmented = 0.8
−34 days
−300
−200
−100
0
Age (days)

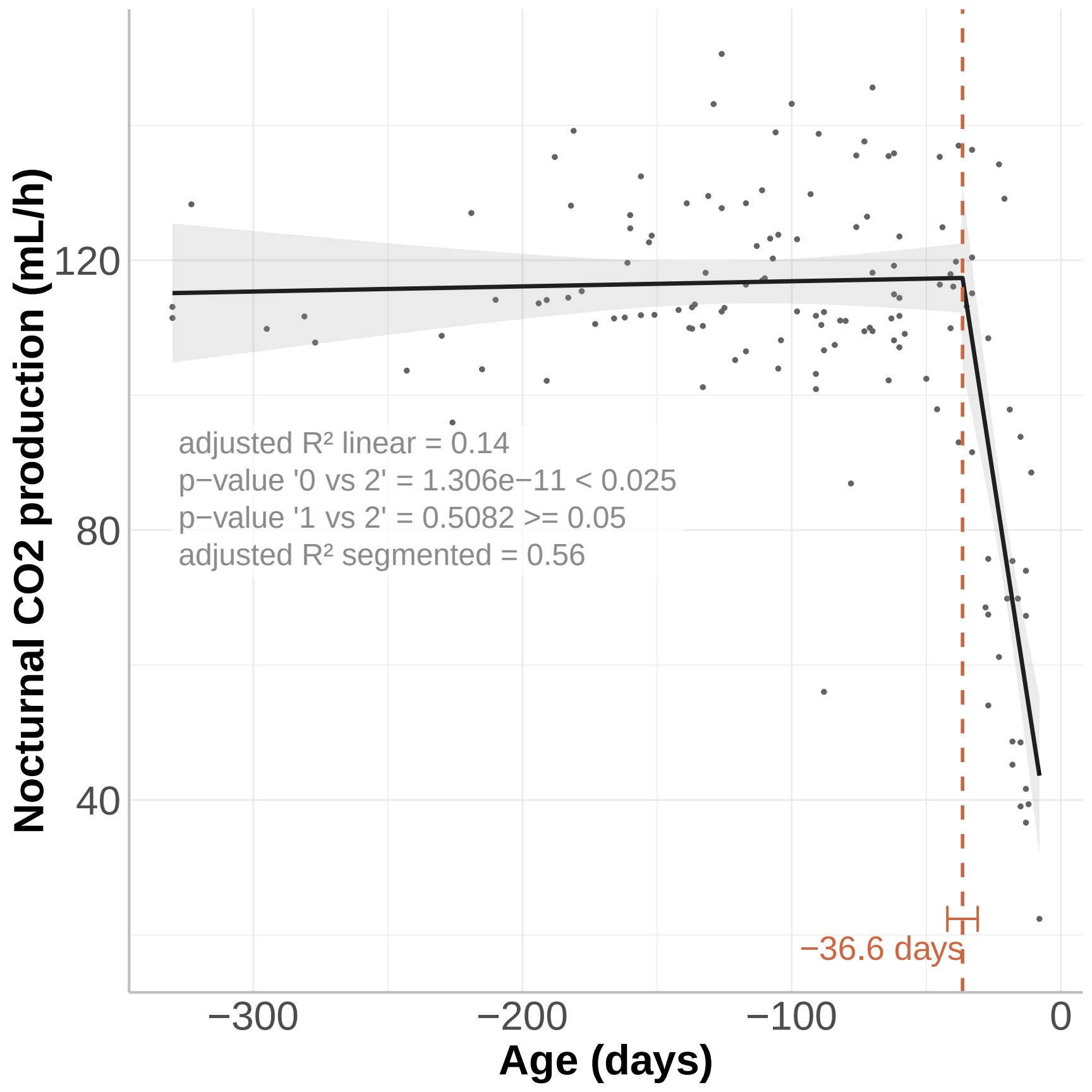

adjusted R² linear = 0.019
p−value '0 vs 2' = 0.00397 < 0.025
p−value '1 vs 2' = 0.4336 >= 0.05
adjusted R² segmented = 0.05
−30.9 days
Intestinal permeability – 3h post gavage (a.u.)
400
300
200
100
0
−300
−200
−100
0
Age (days)

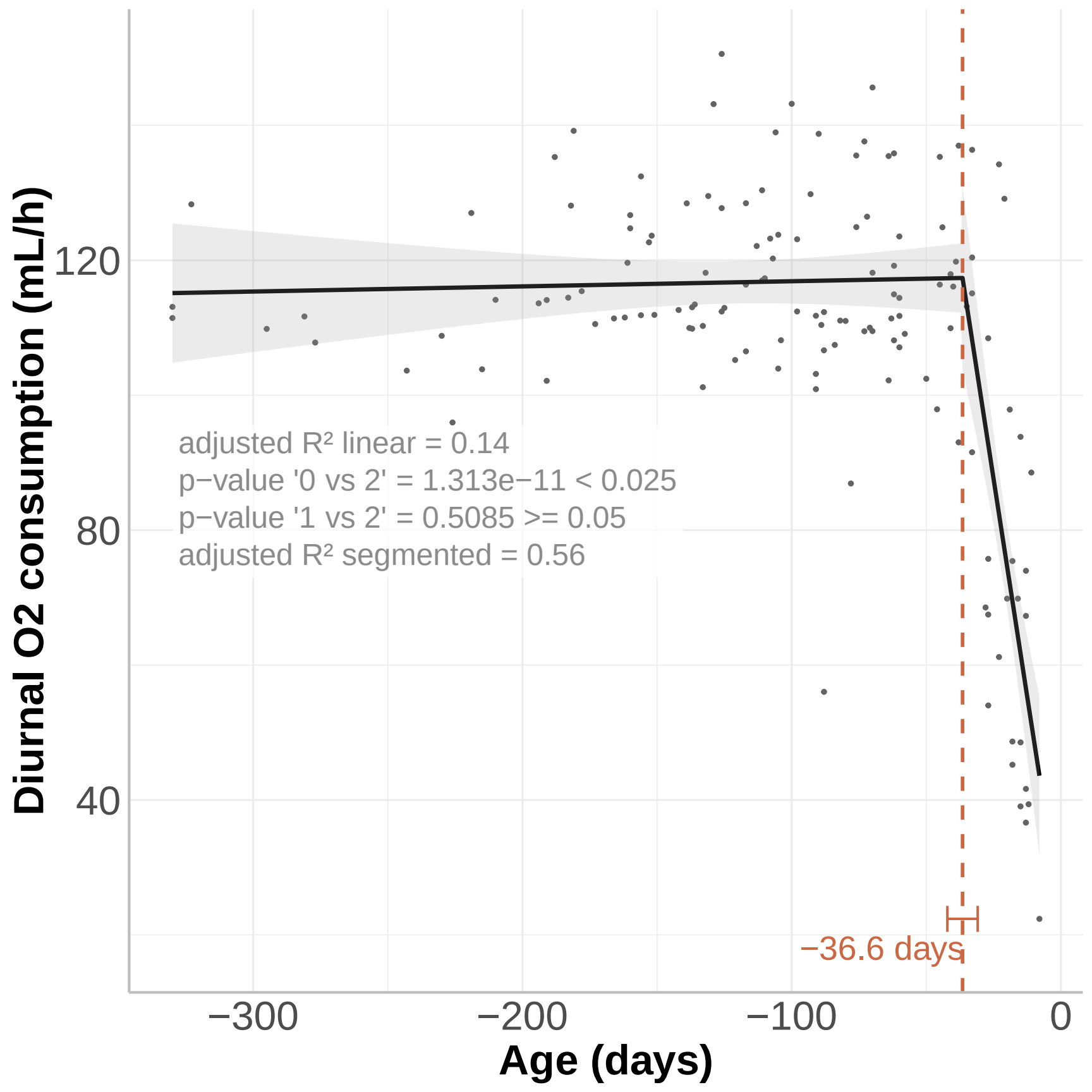

Diurnal respiratory exchange ratio
(VCO2/VO2)
0.9
0.8
0.7
adjusted R² linear = 0.036
p−value '0 vs 2' = 0.9154 >= 0.025
p−value '0 vs 1' = 0.7291 >= 0.05
−300
−200
−100
0
Age (days)

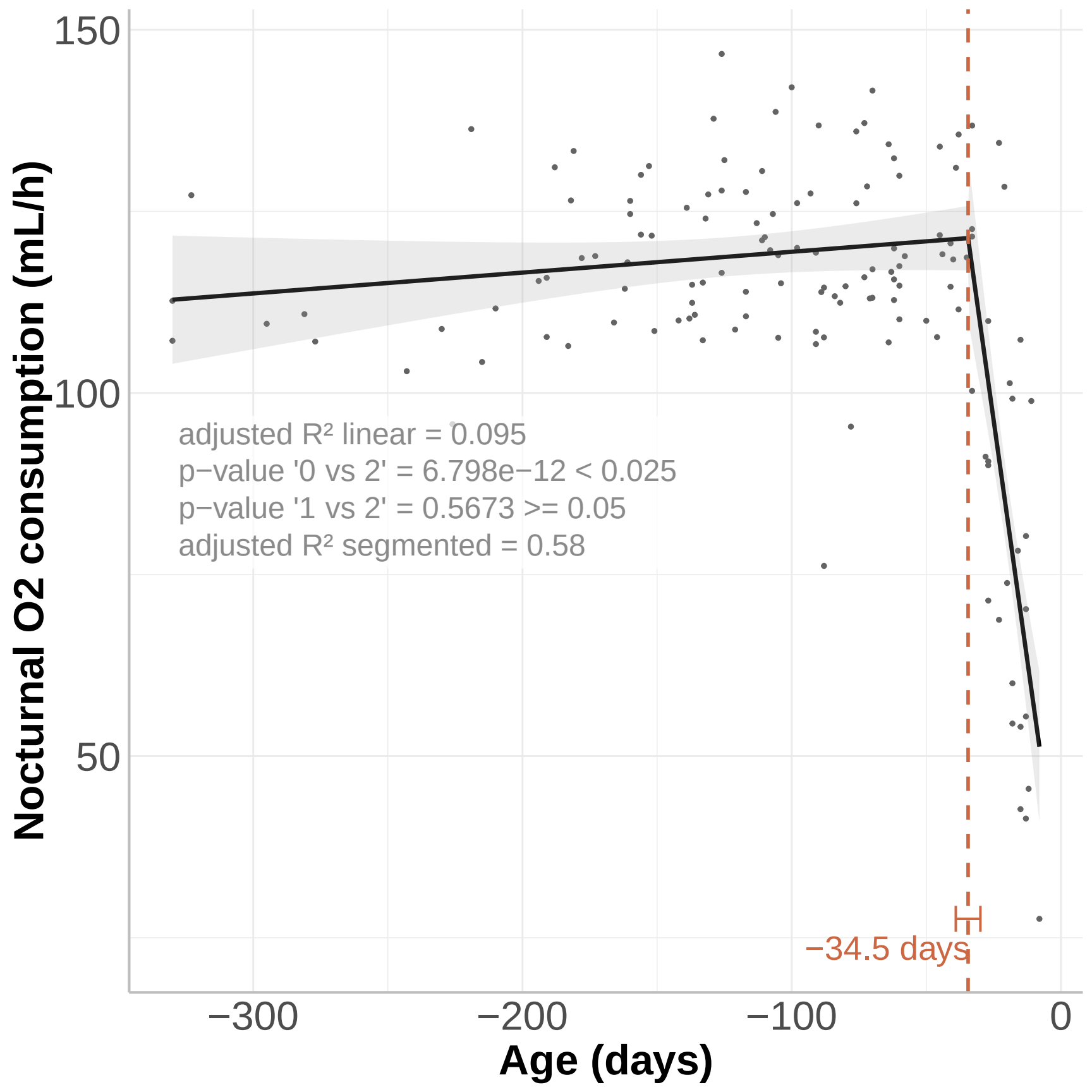

Nocturnal respiratory exchange ratio (VCO2/VO2)
1.0
0.9
0.8
adjusted R² linear = 0.22
p−value '0 vs 2' = 3.712e−05 < 0.025
p−value '1 vs 2' = 0.694 >= 0.05
adjusted R² segmented = 0.36
−44 days
−300
−200
−100
0
Age (days)

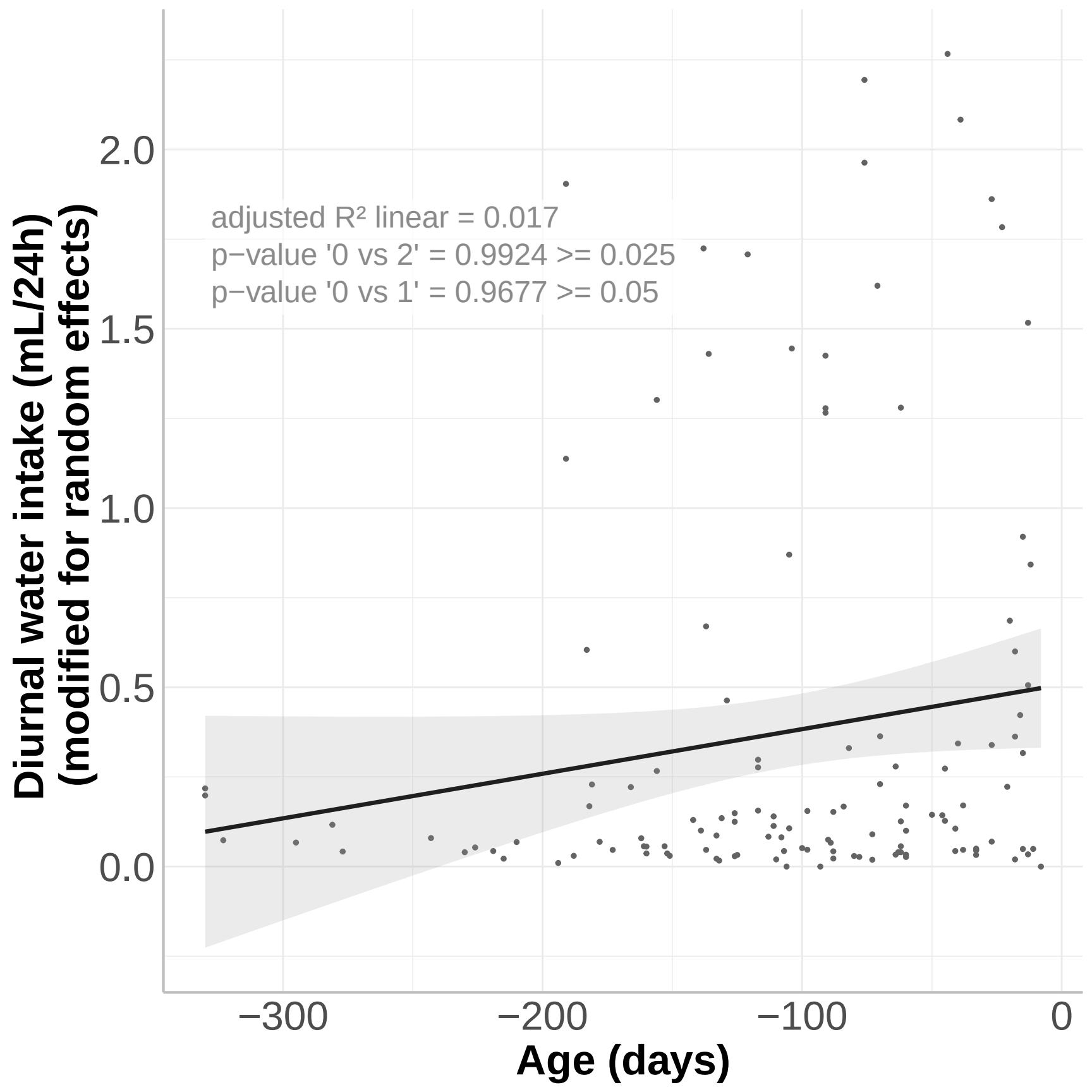

Mean of diurnal and nocturnal respiratory exchange ra
(VCO2/VO2)
1.0
0.9
0.8
0.7
−300
−200
−100
0
Age (days)
−62 days
adjusted R² linear = 0.16
p−value '0 vs 2' = 0.008387 < 0.025
p−value '1 vs 2' = 0.9854 >= 0.05

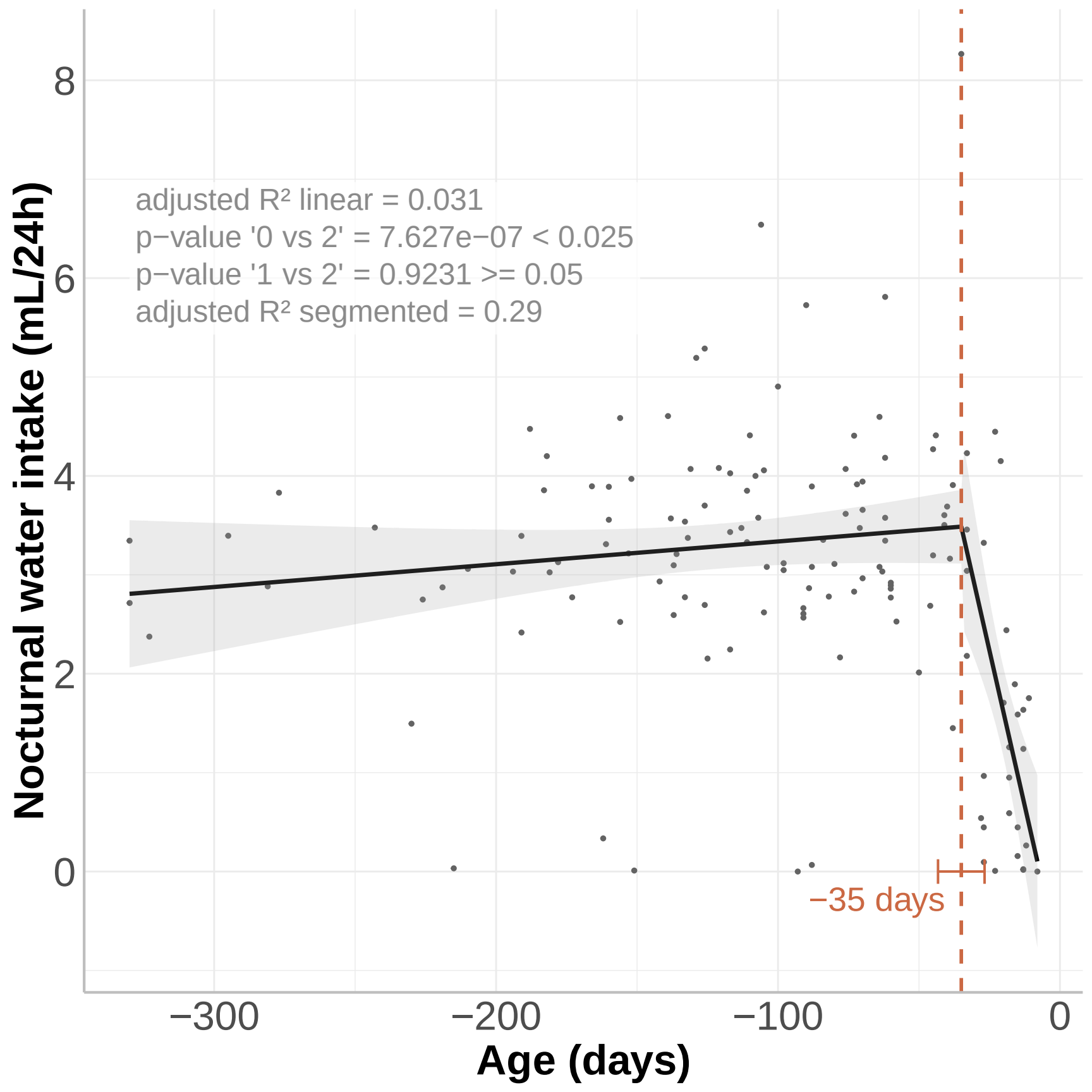

Diurnal CO2 production (mL/h)
100
80
60
40
20
adjusted R² linear = 0.11
p−value '0 vs 2' = 1.329e−10 < 0.025
p−value '1 vs 2' = 0.6374 >= 0.05
adjusted R² segmented = 0.5
−37.2 days
−300
−200
−100
0
Age (days)

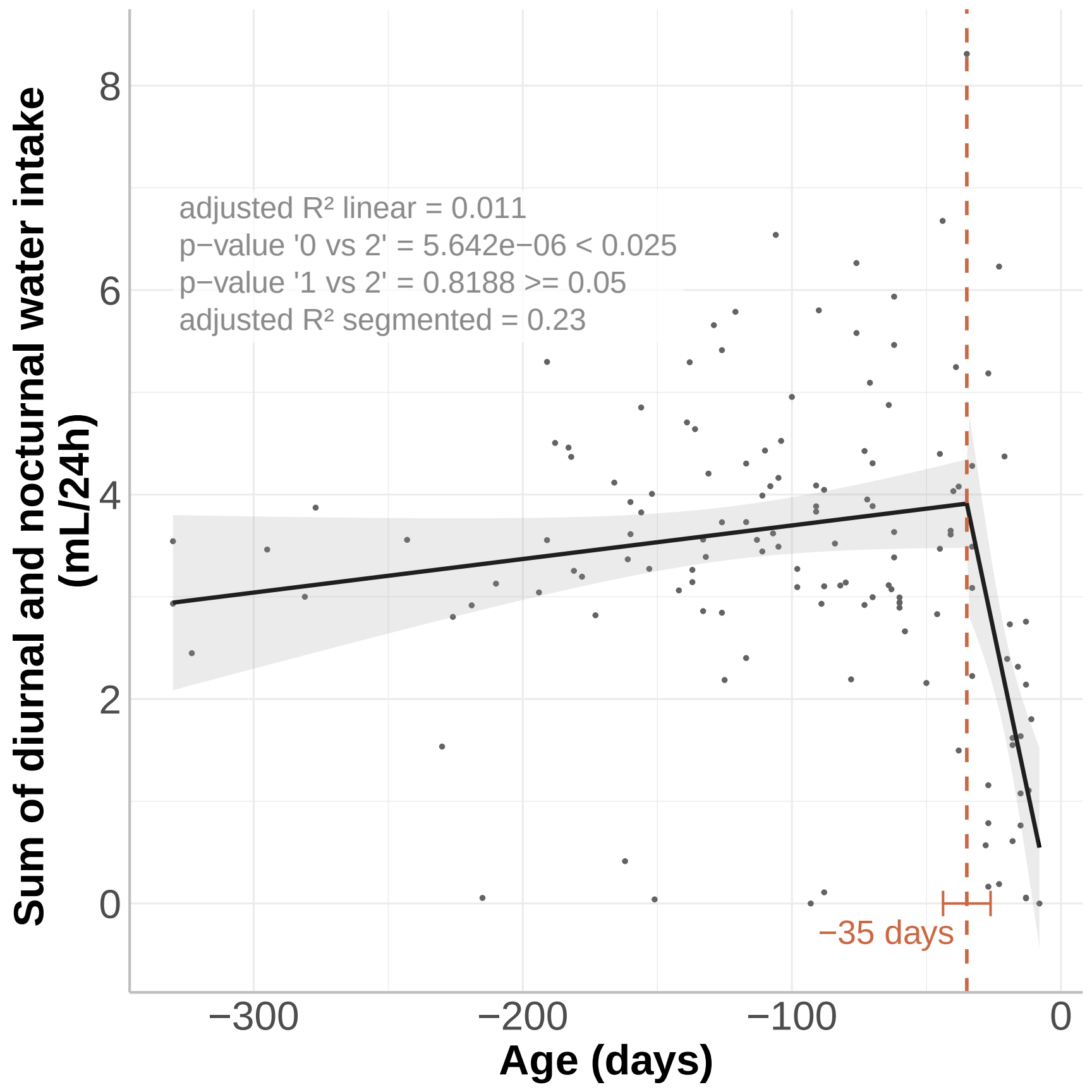

Nocturnal CO2 production (mL/h)
120
80
40
adjusted R² linear = 0.14
p−value '0 vs 2' = 1.306e−11 < 0.025
p−value '1 vs 2' = 0.5082 >= 0.05
adjusted R² segmented = 0.56
−36.6 days
−300
−200
−100
0
Age (days)

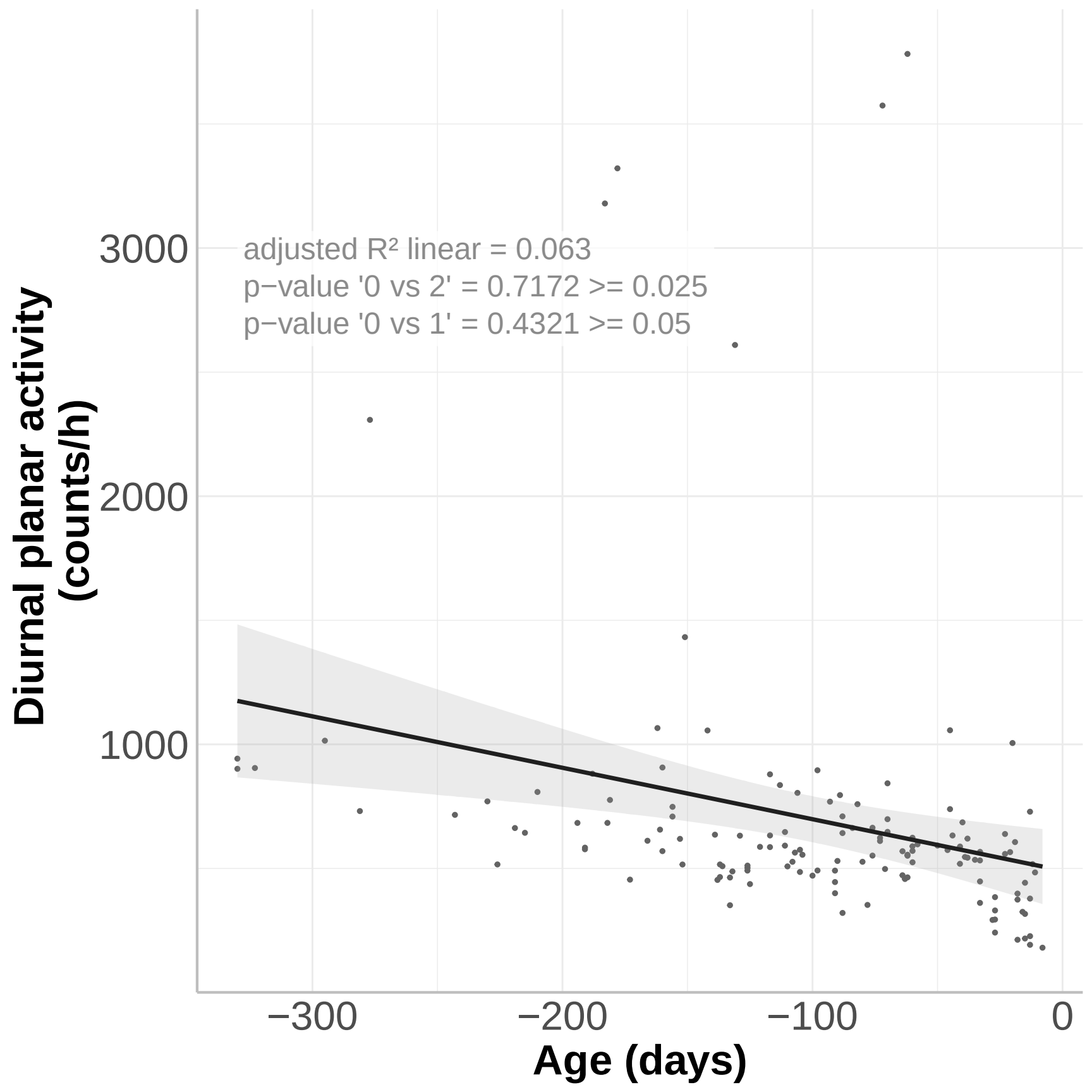

Diurnal O2 consumption (mL/h)
120
80
40
adjusted R² linear = 0.14
p−value '0 vs 2' = 1.313e−11 < 0.025
p−value '1 vs 2' = 0.5085 >= 0.05
adjusted R² segmented = 0.56
−36.6 days
−300
−200
−100
0
Age (days)

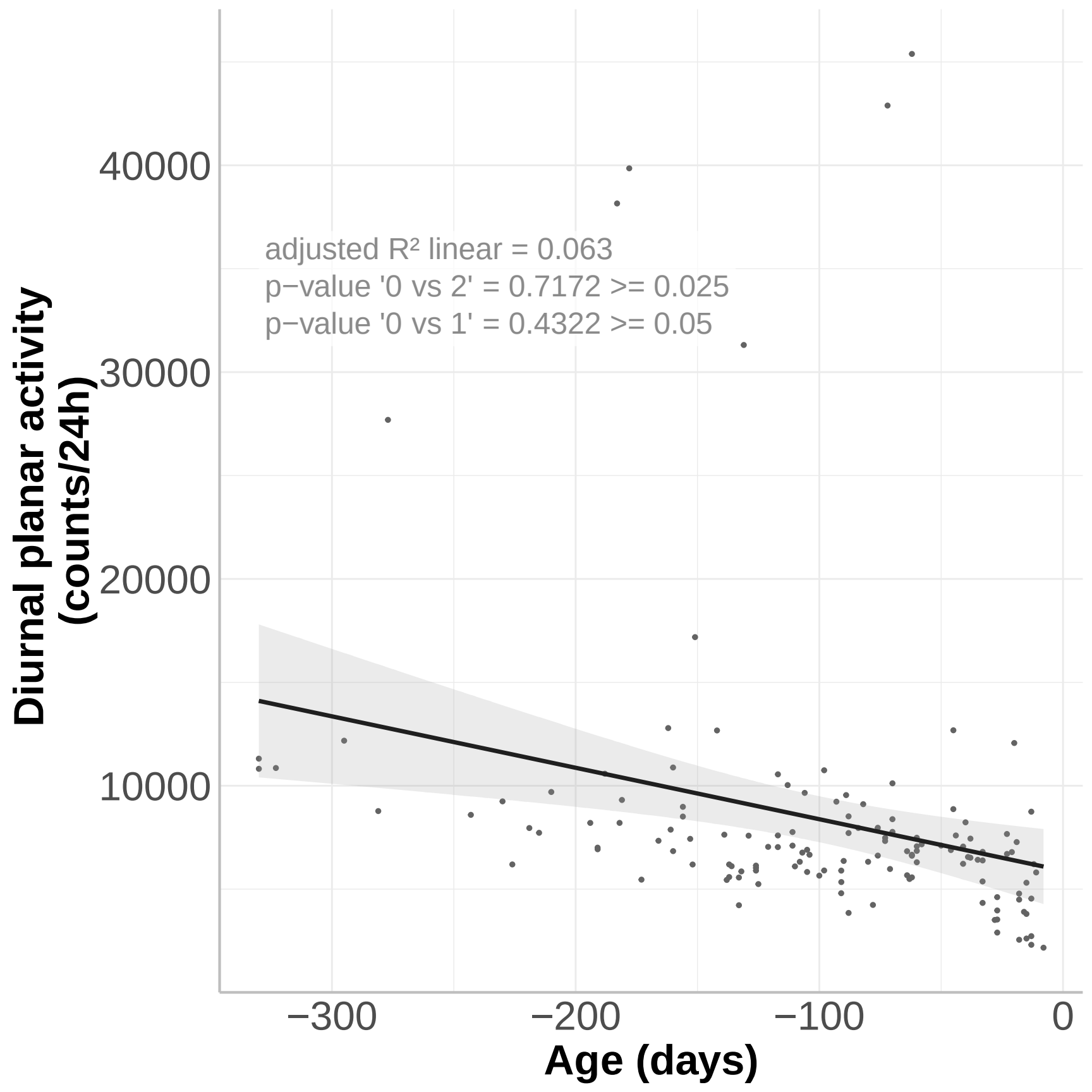

150
100
50
Nocturnal O2 consumption (mL/h)
adjusted R² linear = 0.095
p−value '0 vs 2' = 6.798e−12 < 0.025
p−value '1 vs 2' = 0.5673 >= 0.05
adjusted R² segmented = 0.58
−34.5 days
−300
−200
−100
0
Age (days)

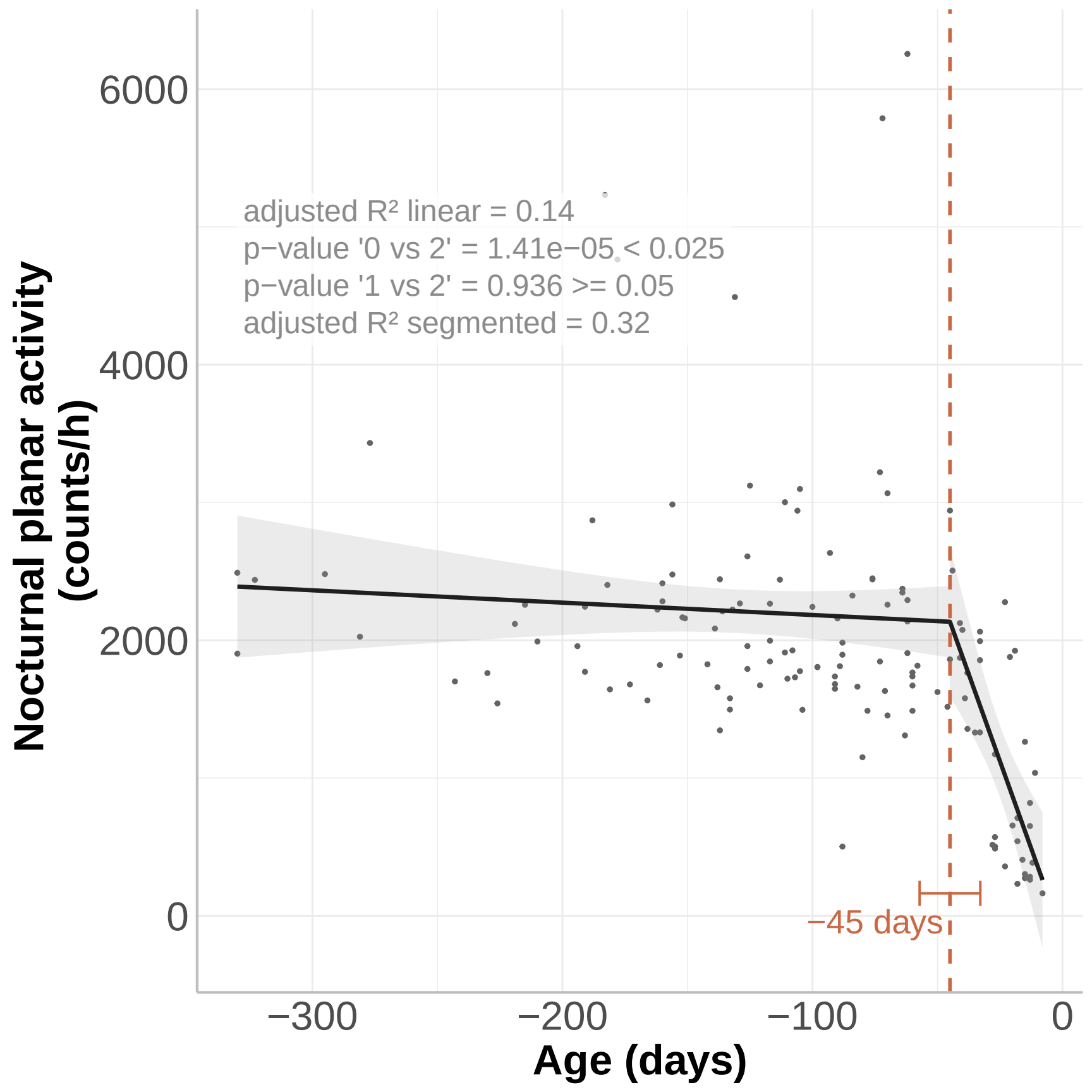

adjusted R² linear = 0.017
p−value '0 vs 2' = 0.9924 >= 0.025
p−value '0 vs 1' = 0.9677 >= 0.05
Diurnal water intake (mL/24h)
(modified for random effects)
2.0
1.5
1.0
0.5
0.0
−300
−200
−100
0
Age (days)

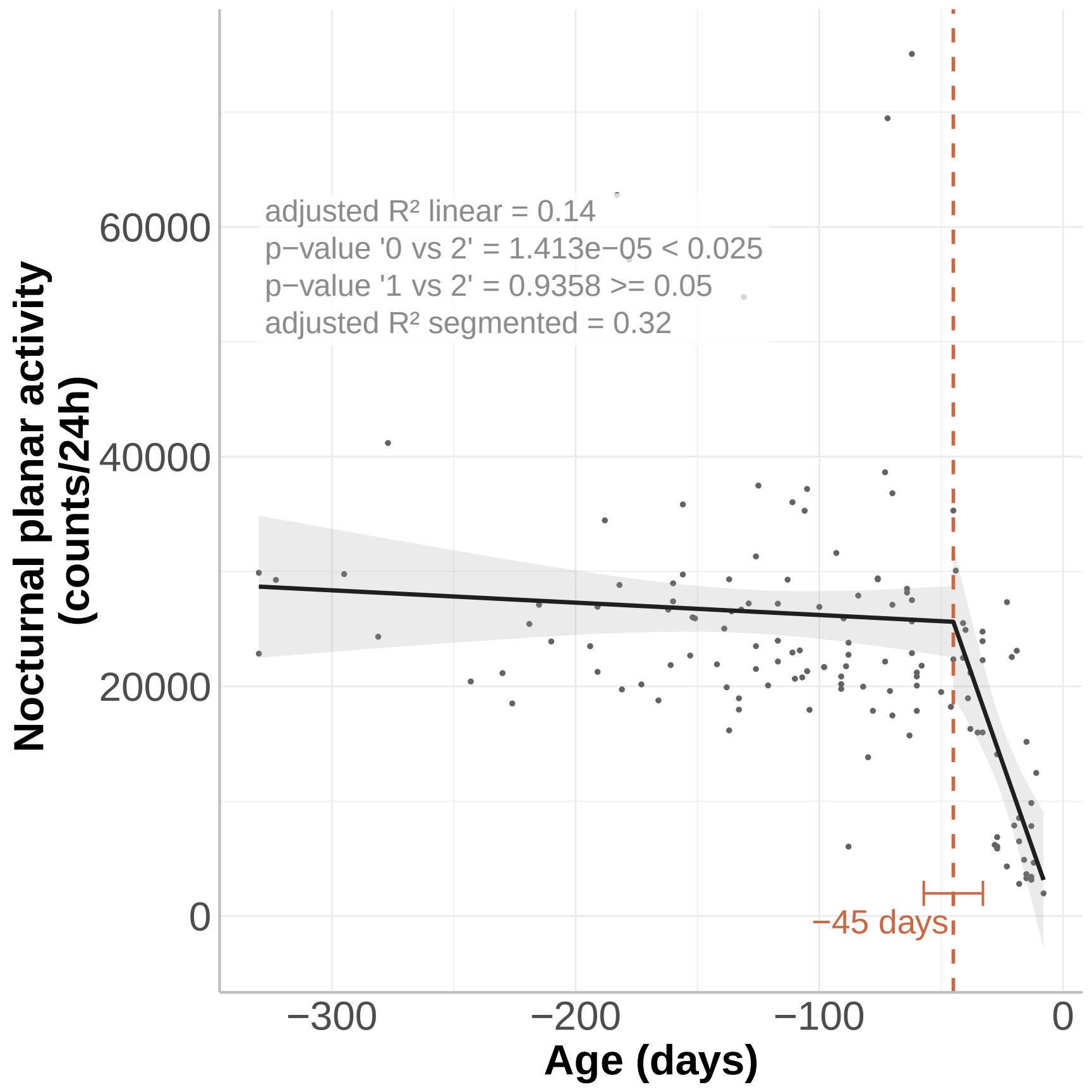

adjusted R² linear = 0.031
p−value '0 vs 2' = 7.627e−07 < 0.025
p−value '1 vs 2' = 0.9231 >= 0.05
adjusted R² segmented = 0.29
−35 days
Nocturnal water intake (mL/24h)
Age (days)
8
6
4
2
0
−300
−200
−100
0

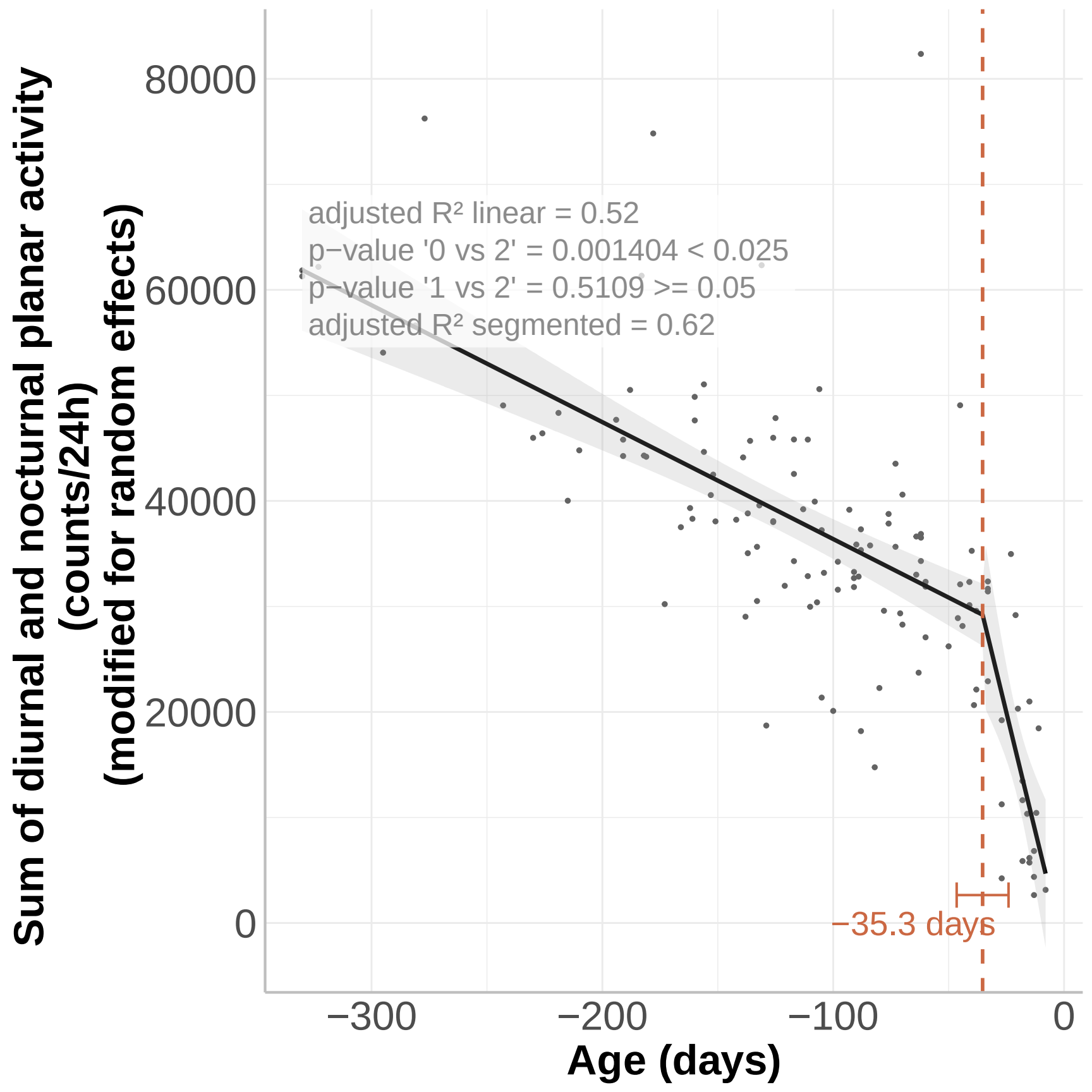

adjusted R² linear = 0.011
p−value '0 vs 2' = 5.642e−06 < 0.025
p−value '1 vs 2' = 0.8188 >= 0.05
adjusted R² segmented = 0.23
−35 days
Sum of diurnal and nocturnal water intake (mL/24h)
Age (days)
8
6
4
2
0
−300
−200
−100
0

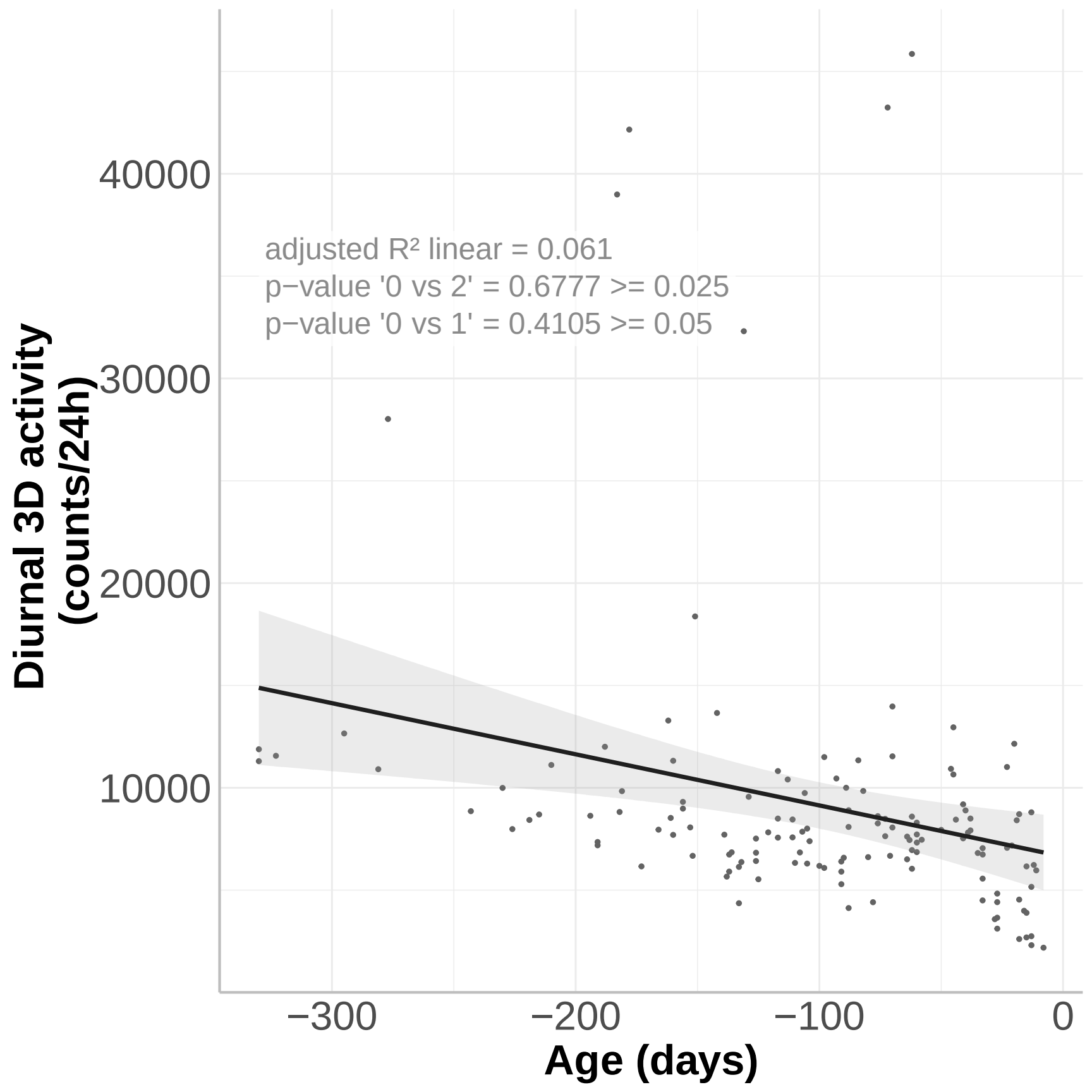

adjusted R² linear = 0.063
p−value '0 vs 2' = 0.7172 >= 0.025
p−value '0 vs 1' = 0.4321 >= 0.05
Diurnal planar activity (counts/h)
3000
2000
1000
−300
−200
−100
0
Age (days)

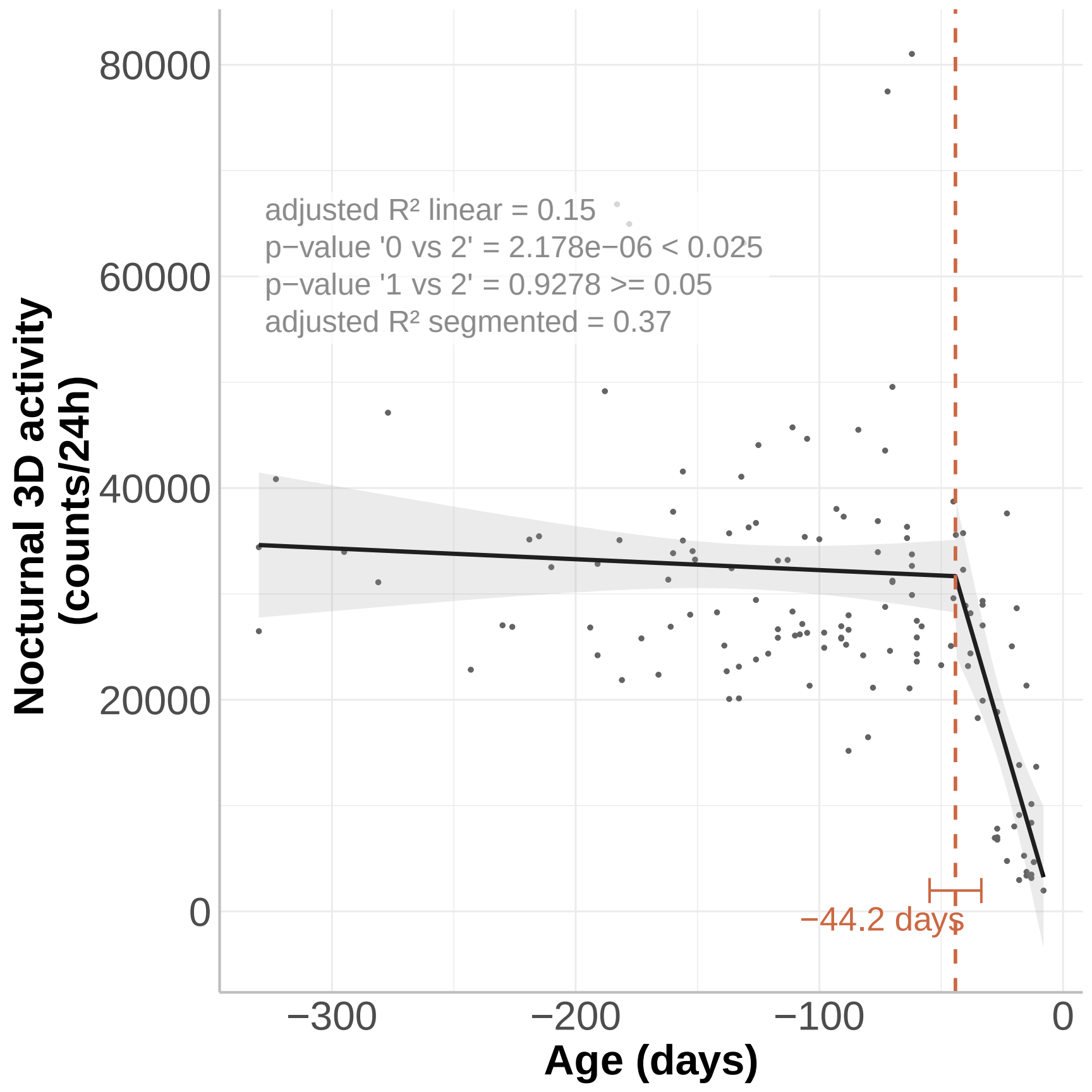

adjusted R² linear = 0.063
p−value '0 vs 2' = 0.7172 >= 0.025
p−value '0 vs 1' = 0.4322 >= 0.05
Diurnal planar activity (counts/24h)
40000
30000
20000
10000
−300
−200
−100
0
Age (days)

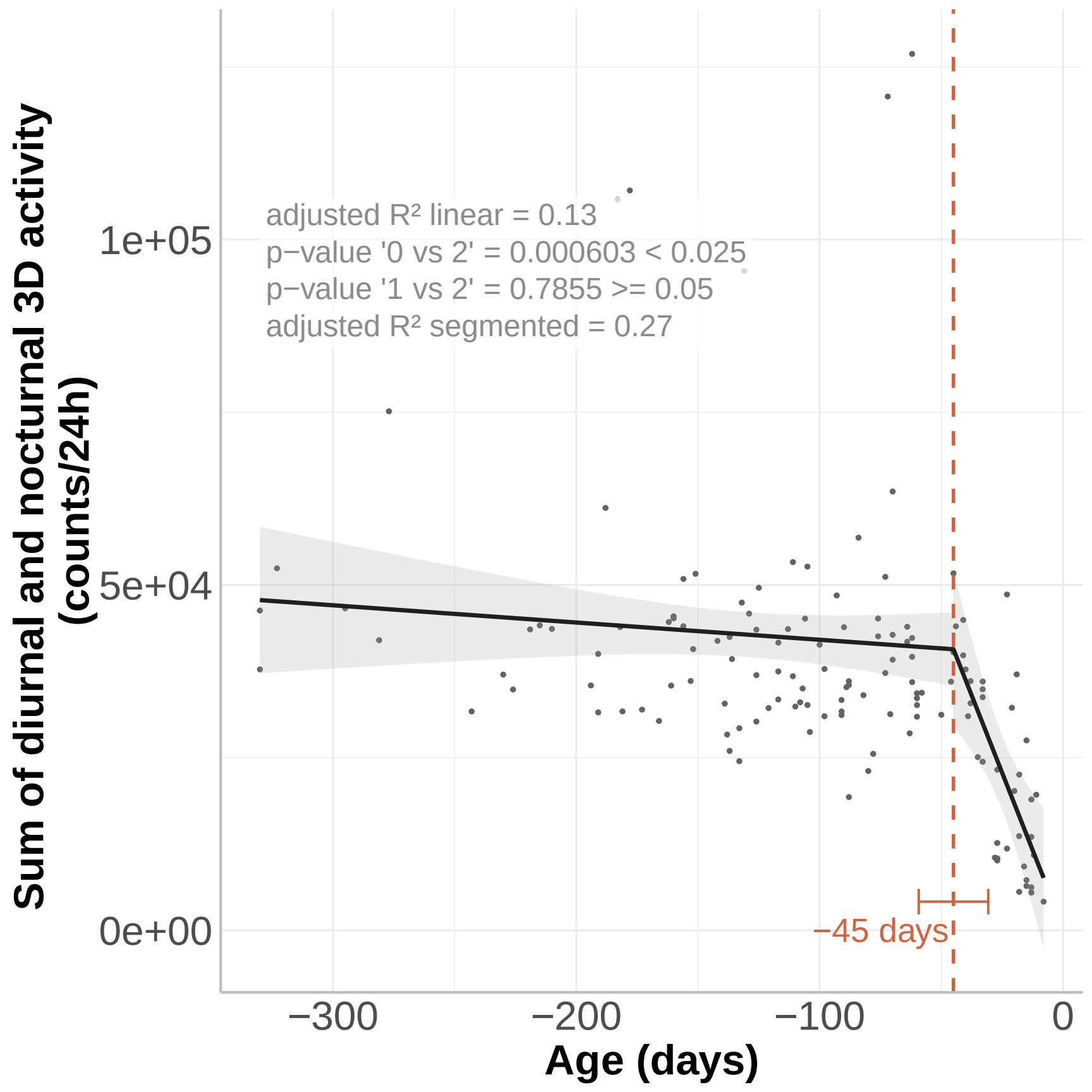

adjusted R² linear = 0.14
p−value '0 vs 2' = 1.41e−05 < 0.025
p−value '1 vs 2' = 0.936 >= 0.05
adjusted R² segmented = 0.32
−45 days
Nocturnal planar activity (counts/h)
6000
4000
2000
0
−300
−200
−100
0
Age (days)

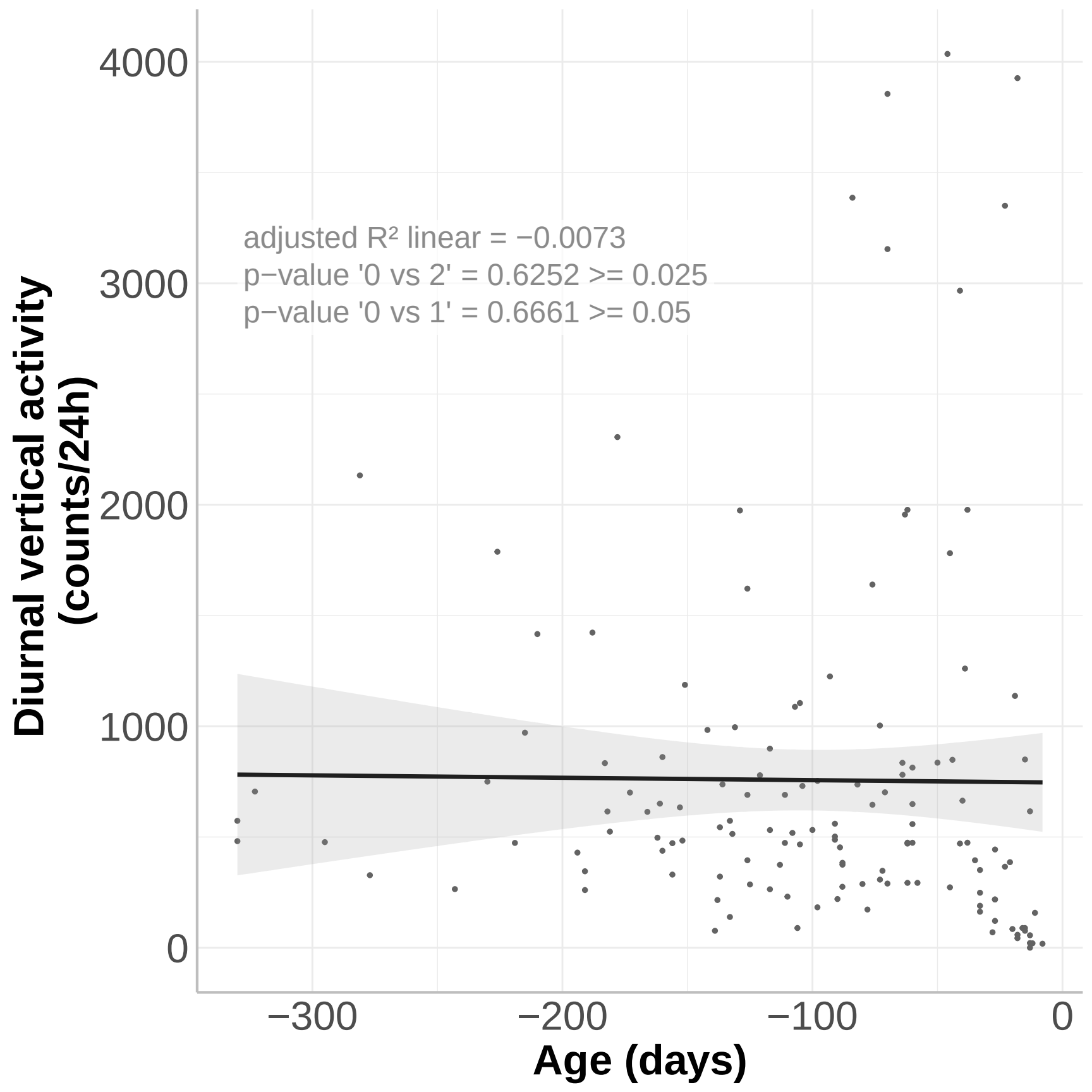

adjusted R² linear = 0.14
p−value '0 vs 2' = 1.413e−05 < 0.025
p−value '1 vs 2' = 0.9358 >= 0.05
adjusted R² segmented = 0.32
−45 days
Nocturnal planar activity (counts/24h)
60000
40000
20000
0
−300
−200
−100
0
Age (days)

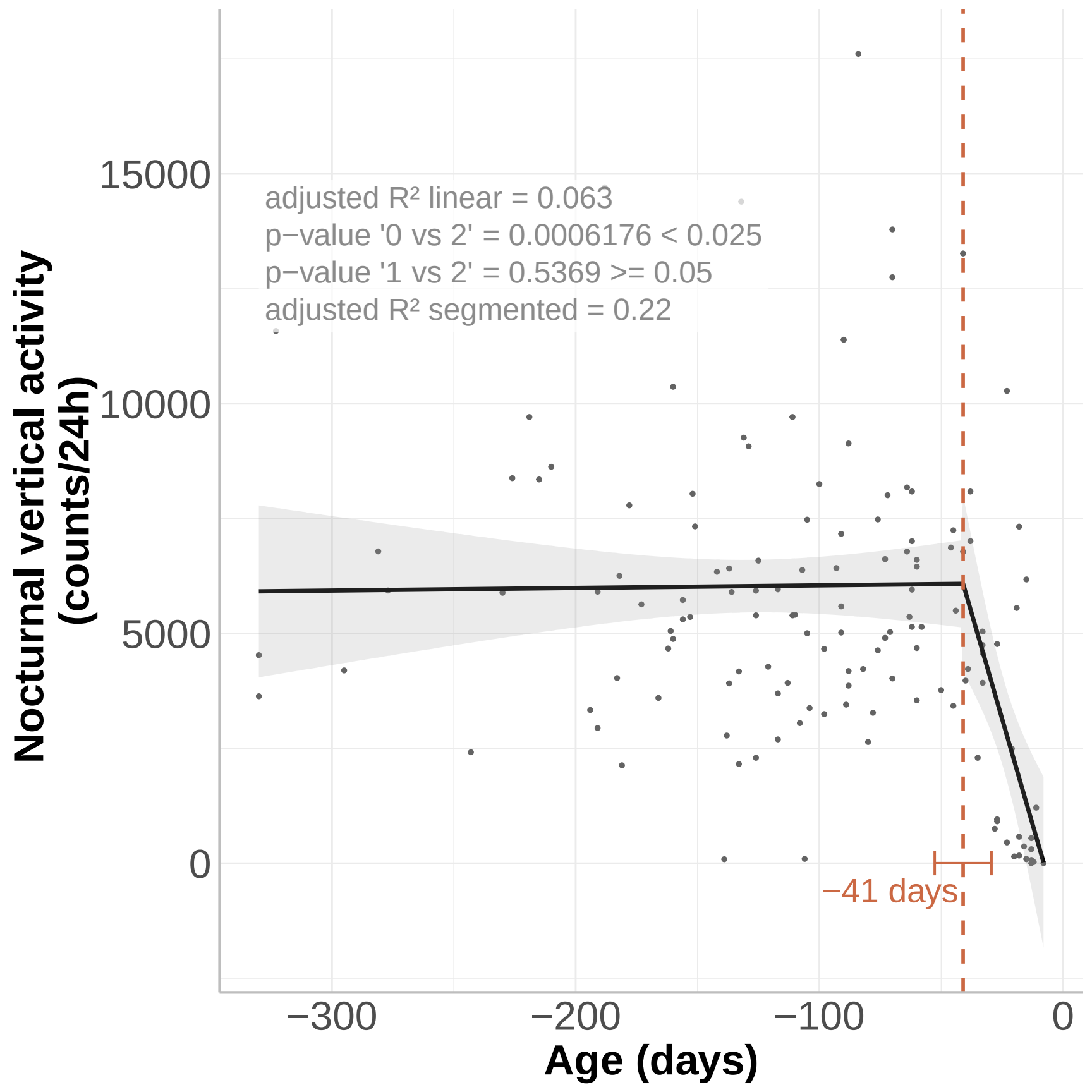

Sum of diurnal and nocturnal planar activity
(counts/24h)
(modified for random effects)
80000
60000
40000
20000
0
adjusted R² linear = 0.52
p−value '0 vs 2' = 0.001404 < 0.025
p−value '1 vs 2' = 0.5109 >= 0.05
adjusted R² segmented = 0.62
−35.3 days
−300
−200
−100
0
Age (days)

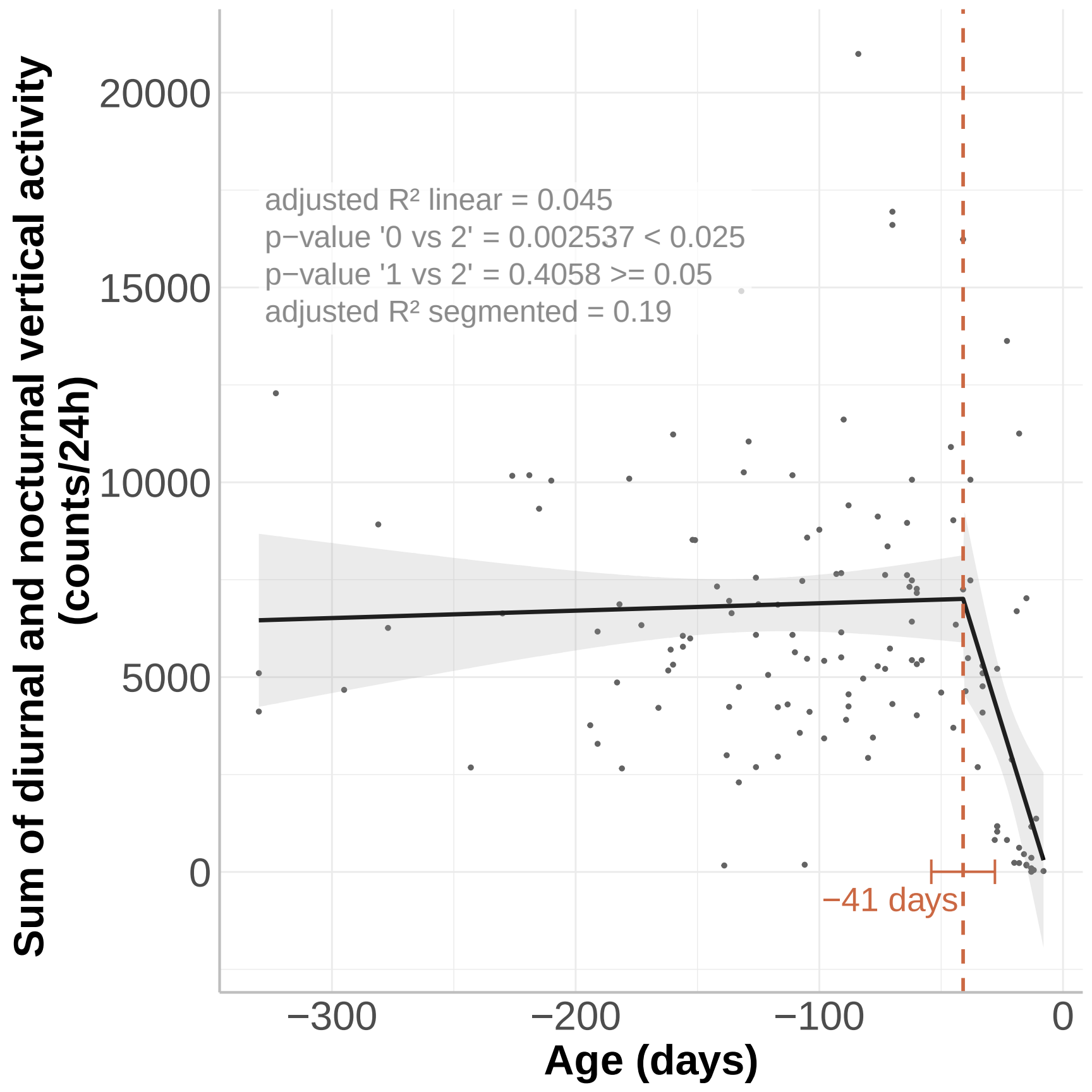

adjusted R² linear = 0.061
p−value '0 vs 2' = 0.6777 >= 0.025
p−value '0 vs 1' = 0.4105 >= 0.05
Diurnal 3D activity (counts/24h)
40000
30000
20000
10000
−300
−200
−100
0
Age (days)


adjusted R² linear = 0.15
p−value '0 vs 2' = 2.178e−06 < 0.025
p−value '1 vs 2' = 0.9278 >= 0.05
adjusted R² segmented = 0.37
−44.2 days
Nocturnal 3D activity (counts/24h)
80000
60000
40000
20000
0
−300
−200
−100
0
Age (days)


adjusted R² linear = 0.13
p−value '0 vs 2' = 0.000603 < 0.025
p−value '1 vs 2' = 0.7855 >= 0.05
adjusted R² segmented = 0.27
−45 days
Sum of diurnal and nocturnal 3D activity (counts/24h)
1e+05
5e+04
0e+00
−300
−200
−100
0
Age (days)


adjusted R² linear = −0.0073
p−value '0 vs 2' = 0.6252 >= 0.025
p−value '0 vs 1' = 0.6661 >= 0.05
Diurnal vertical activity (counts/24h)
4000
3000
2000
1000
0
−300
−200
−100
0
Age (days)


adjusted R² linear = 0.063
p−value '0 vs 2' = 0.0006176 < 0.025
p−value '1 vs 2' = 0.5369 >= 0.05
adjusted R² segmented = 0.22
−41 days
Nocturnal vertical activity (counts/24h)
15000
10000
5000
0
−300
−200
−100
0
Age (days)


Sum of diurnal and nocturnal vertical activity (counts/24h)
20000
15000
10000
5000
0
adjusted R² linear = 0.045
p−value '0 vs 2' = 0.002537 < 0.025
p−value '1 vs 2' = 0.4058 >= 0.05
adjusted R² segmented = 0.19
−41 days
−300
−200
−100
0
Age (days)