



Female:

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n= 4288 CpGs
P-value <0.05 & $\Delta\beta > 0.1$:
n = 55 CpGs
P-value <0.05 & $\Delta\beta < -0.1$:
n = 23 CpGs

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n= 4186 CpGs
P-value <0.05 & $\Delta\beta > 0.1$:
n = 31 CpGs
P-value <0.05 & $\Delta\beta < -0.1$:
n = 20 CpGs

DMP.P-value <0.05:
n= 5 DMRs
DMP.P-value <0.05 &
p.value < 0.05 :
n= 2 DMRs

DMP.P-value <0.05:
n= 2 DMRs
DMP.P-value <0.05 &
p.value < 0.05:
n=0 DMRs

Male:

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n= 1472 CpGs
P-value <0.05 & $\Delta\beta > 0.1$:
n = 12 CpGs
P-value <0.05 & $\Delta\beta < -0.1$:
n = 12 CpGs

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n= 1567 CpGs
P-value <0.05 & $\Delta\beta > 0.1$:
n = 2 CpGs
P-value <0.05 & $\Delta\beta < -0.1$:
n = 2 CpGs

DMP.P-value <0.05:
n= 2 DMRs
DMP.P-value <0.05 &
p.value < 0.05:
n= 0 DMRs

DMP.P-value <0.05:
n= 1 DMRs
DMP.P-value <0.05 &
p.value < 0.05:
n= 0 DMRs