



Female:

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n = 10270 CpGs
P-value <0.05 & $\Delta\beta > 0.1$:
n = 192 CpGs
P-value <0.05 & $\Delta\beta < -0.1$:
n = 38 CpGs

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n = 9178 CpGs
P-value <0.05 & $\Delta\beta > 0.1$:
n = 111 CpGs
P-value <0.05 & $\Delta\beta < -0.1$:
n = 33 CpGs

DMP.P-value <0.05:
n = 3 DMRs
DMP.P-value <0.05 &
p.value < 0.05 :
n = 1 DMRs

DMP.P-value <0.05:
n = 5 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 = 2717 CpGs
P-value <0.05 & $\Delta\beta > 0.1$:
n = 19 CpGs
P-value <0.05 & $\Delta\beta < -0.1$:
n = 18 CpGs

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n = 2674 CpGs
P-value <0.05 & $\Delta\beta > 0.1$:
n = 10 CpGs
P-value <0.05 & $\Delta\beta < -0.1$:
n = 16 CpGs

DMP.P-value <0.05:
n = 3 DMRs
DMP.P-value <0.05 &
p.value < 0.05:
n = 1 DMRs

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