EPIC 850k
F (16) M (16)

Data importation and filtering
champ.load()

BMIQ Normalization
champ.norm()

Batch correction
champ.runCombat()

Mapping
intersect()

LINE1: 32110
Alu: 33778

Female: 735863
Male: 736414

DMP
champ.DMP()

Female:
LINE1: 24334
Alu: 26618

Male:
LINE1: 32110
Alu: 33778

DMR
champ.DMR()

LINE1
intersect()

Alu
intersect()

LINE1
intersect()

Alu
intersect()

Female:

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n= 4288 CpGs
P-value <0.05 & Δβ> 0.1:
n = 55 CpGs
P-value <0.05 & Δβ<-0.1:
n = 23 CpGs

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n= 4186 CpGs
P-value <0.05 & Δβ> 0.1:
n = 31 CpGs
P-value <0.05 & Δβ<-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 & Δβ> 0.1:
n = 12 CpGs
P-value <0.05 & Δβ<-0.1:
n = 12 CpGs

Adjusted p-value <0.05:
n = 0 CpGs
P-value <0.05:
n= 1567 CpGs
P-value <0.05 & Δβ> 0.1:
n = 2 CpGs
P-value <0.05 & Δβ<-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