EPIC 850k F (16) M (16)

Data importation and filtering
champ.load()

Female: 735863
Male: 736414

BMIQ Normalization
champ.norm()

Batch correction
champ.runCombat()

Mapping
intersect()

LINE1: 32110
Alu: 33778

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 = 23 CpGs
P-value <0.05 & Δβ<-0.1: n = 55 CpGs

Adjusted p-value <0.05: n = 0 CpGs
P-value <0.05: n= 4186 CpGs
P-value <0.05 & Δβ> 0.1:n = 20 CpGs
P-value <0.05 & Δβ<-0.1: n = 31 CpGs

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

DMP.P-value <0.05: n= 2 DMRs
DMP.P-value <0.05 & p.value <
: 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 = 11 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 <
: n= 0 DMRs

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