PB induced genes (>log2 1.5 fold)

Cyp2b10
ΔH3K4me2
ΔH3K27me3
ΔH3K36me3
Δ5hmC
Δ5mC

(a)

Log2 Fold change in expression upon PB exposure

change in log2 scores over promoters n=30

change in log2 scores over gene body n=30

(b)

Average changes in signal upon 28 day PB exposure

Cyp2b/c genes (n=24)

Unaffected genes (n=26)

Δlog2 5hmC
Δlog2 5mC
ΔH3K4me2
ΔH3K27me3
ΔH3K36me3

(c)

Δlog2 scores over gene body

(d)

Average change in 5hmC log2 signal

Δ5hmC upon PB exposure
Δ5mC upon PB exposure

(e)