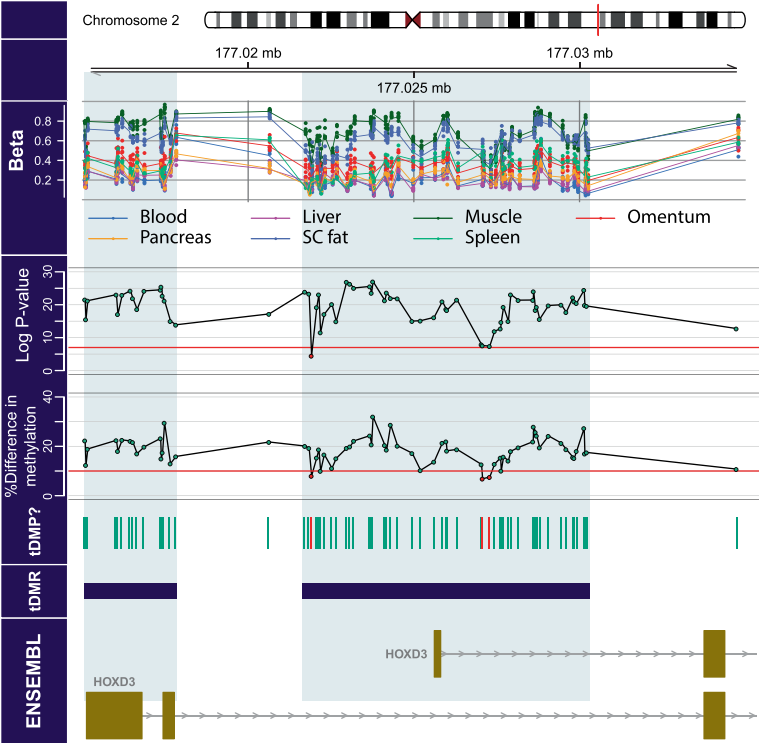




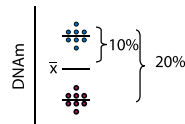
Identify tDMPs

1. Linear mixed model

$Methylation = \beta_0 + tissue \cdot \beta_i + Individual \cdot b_i + \epsilon$
P value $< 10^{-7}$ (Bonferroni)

2. Effect size

Mean sum of squares $> (10\%)^2$



Identify tDMRs

≥ 3 tDMPs

Inter CpG distance $\leq 1\text{kb}$

≤ 3 mismatches