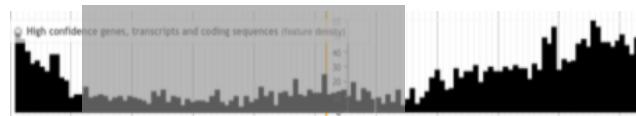


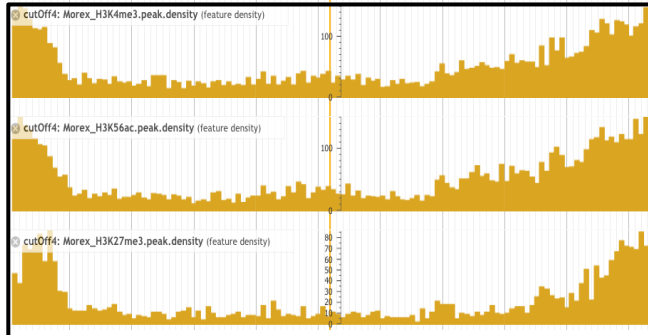
1H

CLASS



HC Genes

I

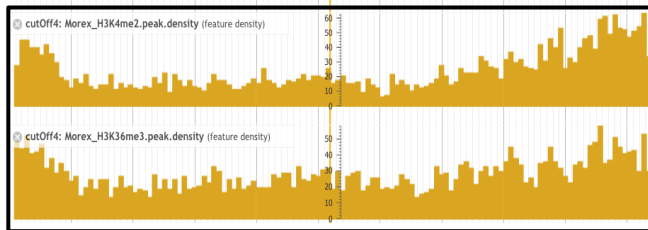


H3K4me3

H3K56ac

H3K27me3

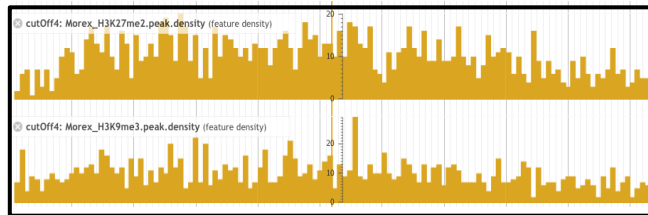
II



H3K4me2

H3K36me3

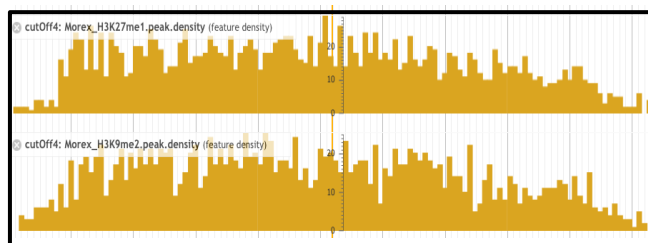
III



H3K27me2

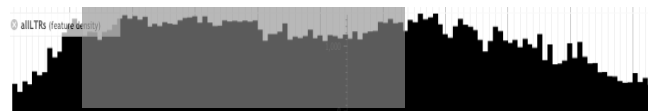
H3K9me3

IV



H3K27me1

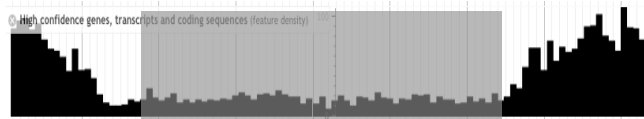
H3K9me2



LTR
Retrotransposons

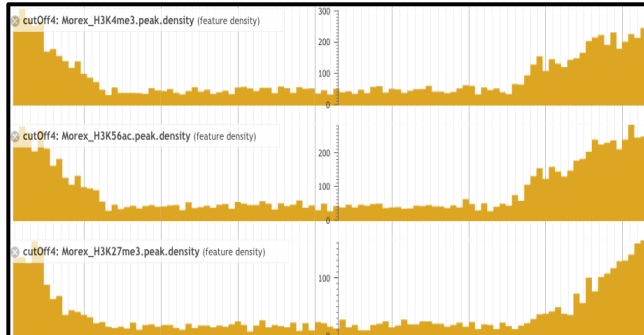
2H

CLASS



HC Genes

I

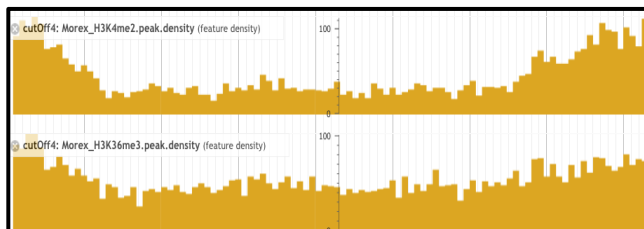


H3K4me3

H3K56ac

H3K27me3

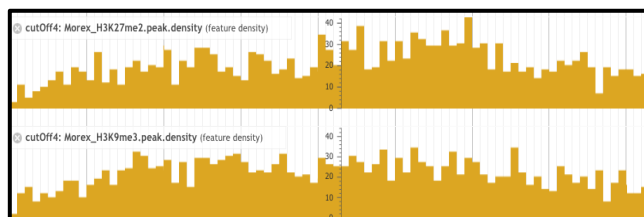
II



H3K4me2

H3K36me3

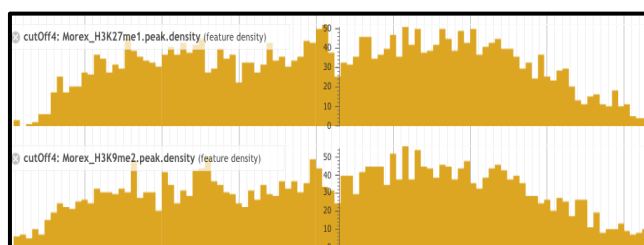
III



H3K27me2

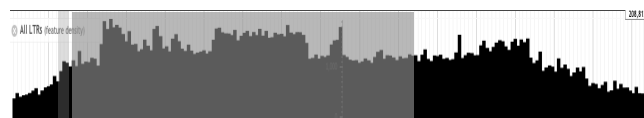
H3K9me3

IV



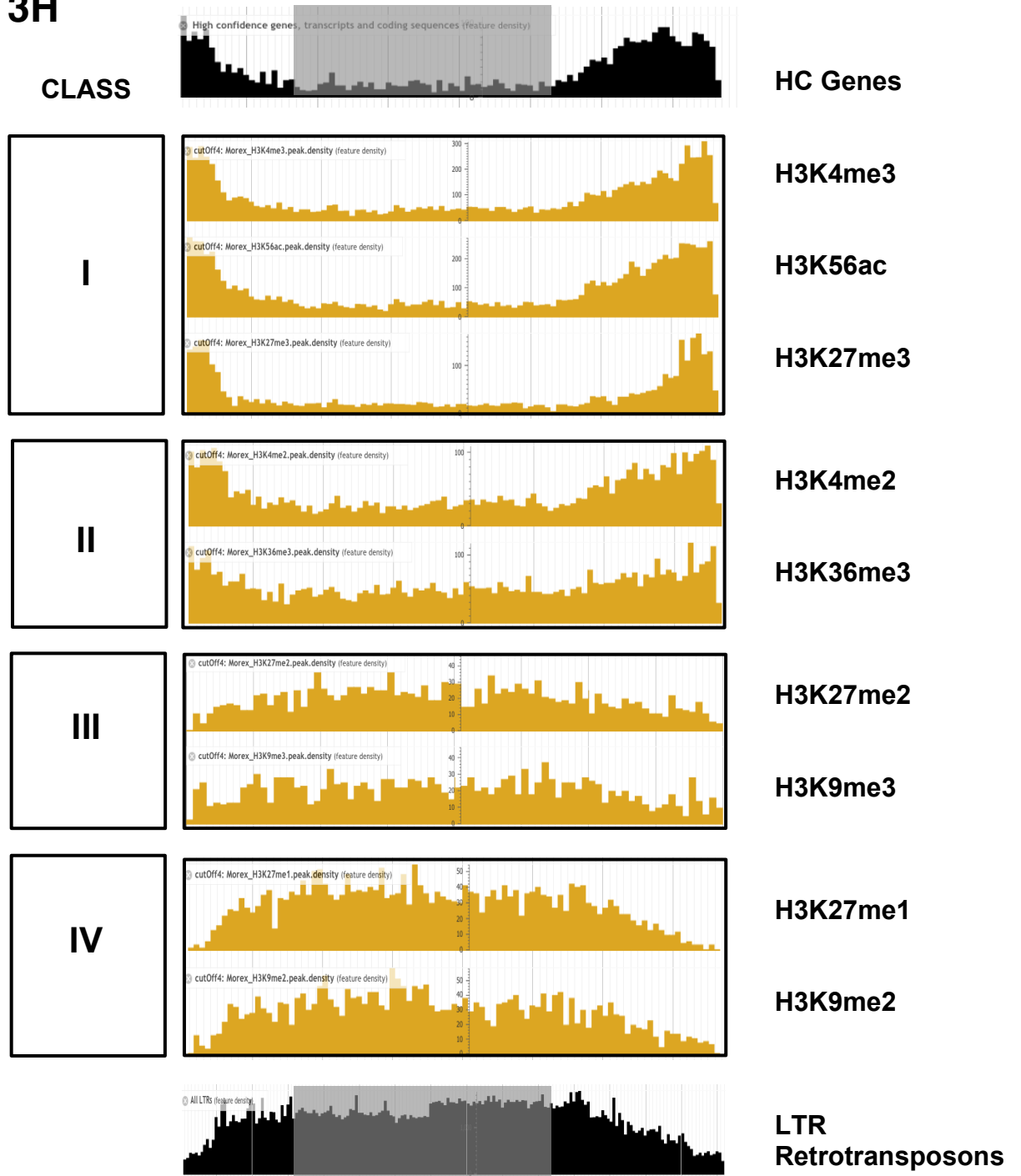
H3K27me1

H3K9me2



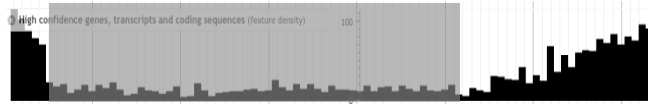
LTR
Retrotransposons

3H



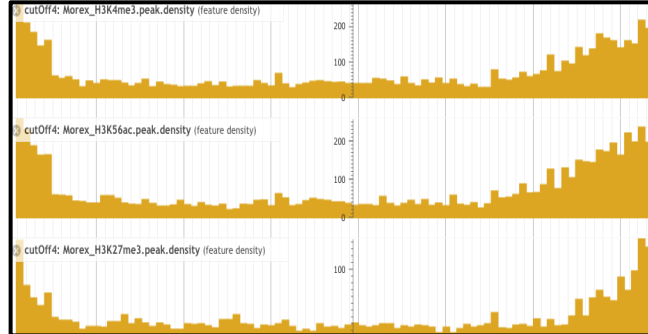
4H

CLASS



HC Genes

I

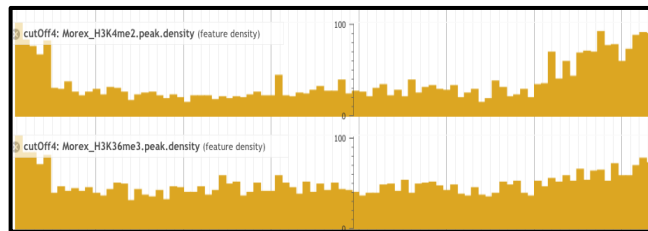


H3K4me3

H3K56ac

H3K27me3

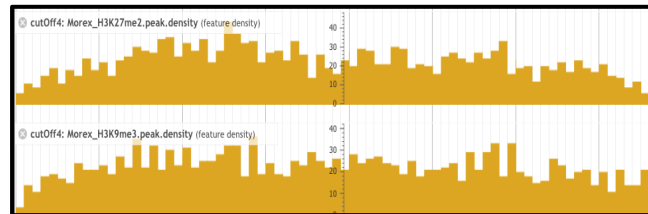
II



H3K4me2

H3K36me3

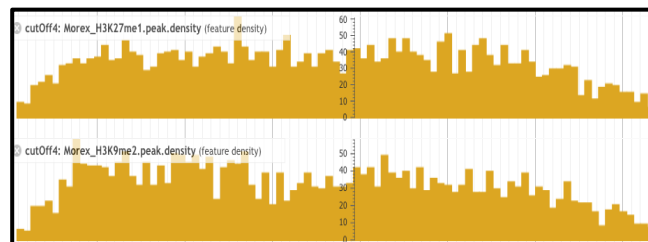
III



H3K27me2

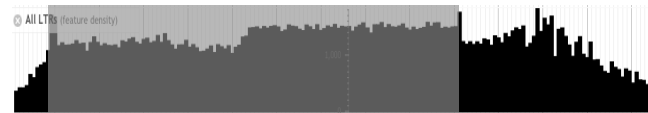
H3K9me3

IV



H3K27me1

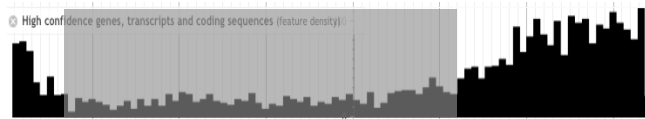
H3K9me2



LTR
Retrotransposons

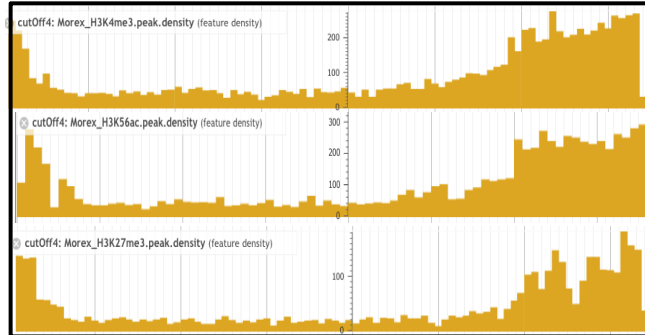
5H

CLASS



HC Genes

I

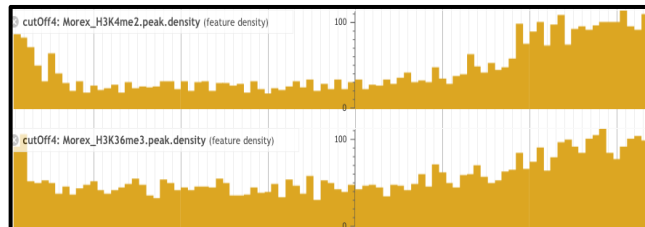


H3K4me3

H3K56ac

H3K27me3

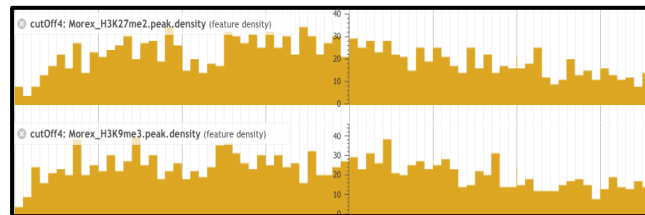
II



H3K4me2

H3K36me3

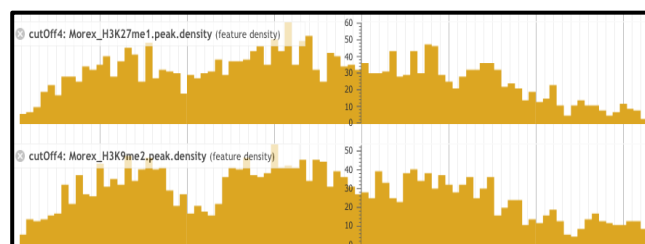
III



H3K27me2

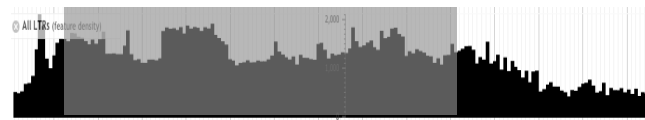
H3K9me3

IV



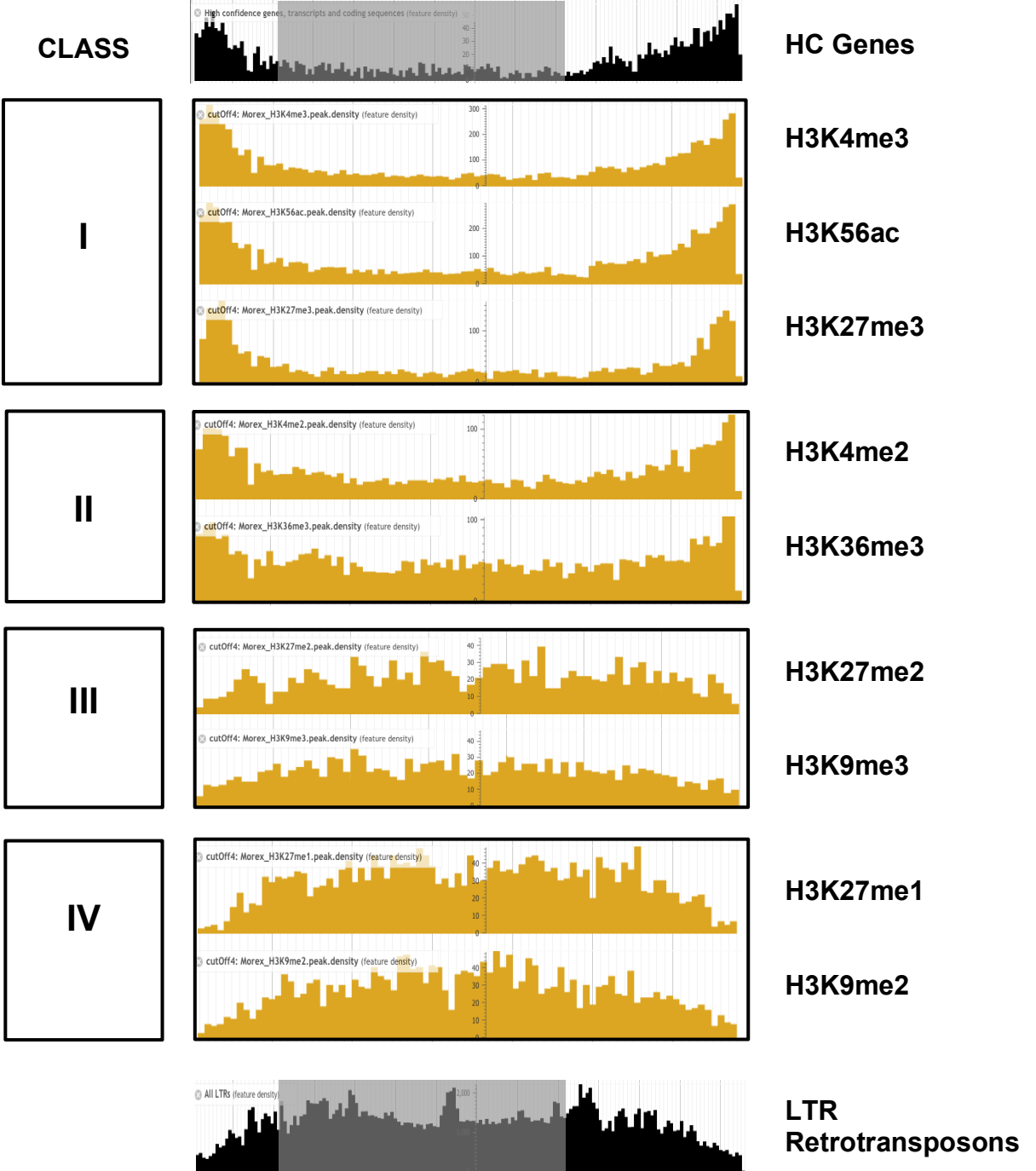
H3K27me1

H3K9me2



LTR
Retrotransposons

6H



7H
CLASS

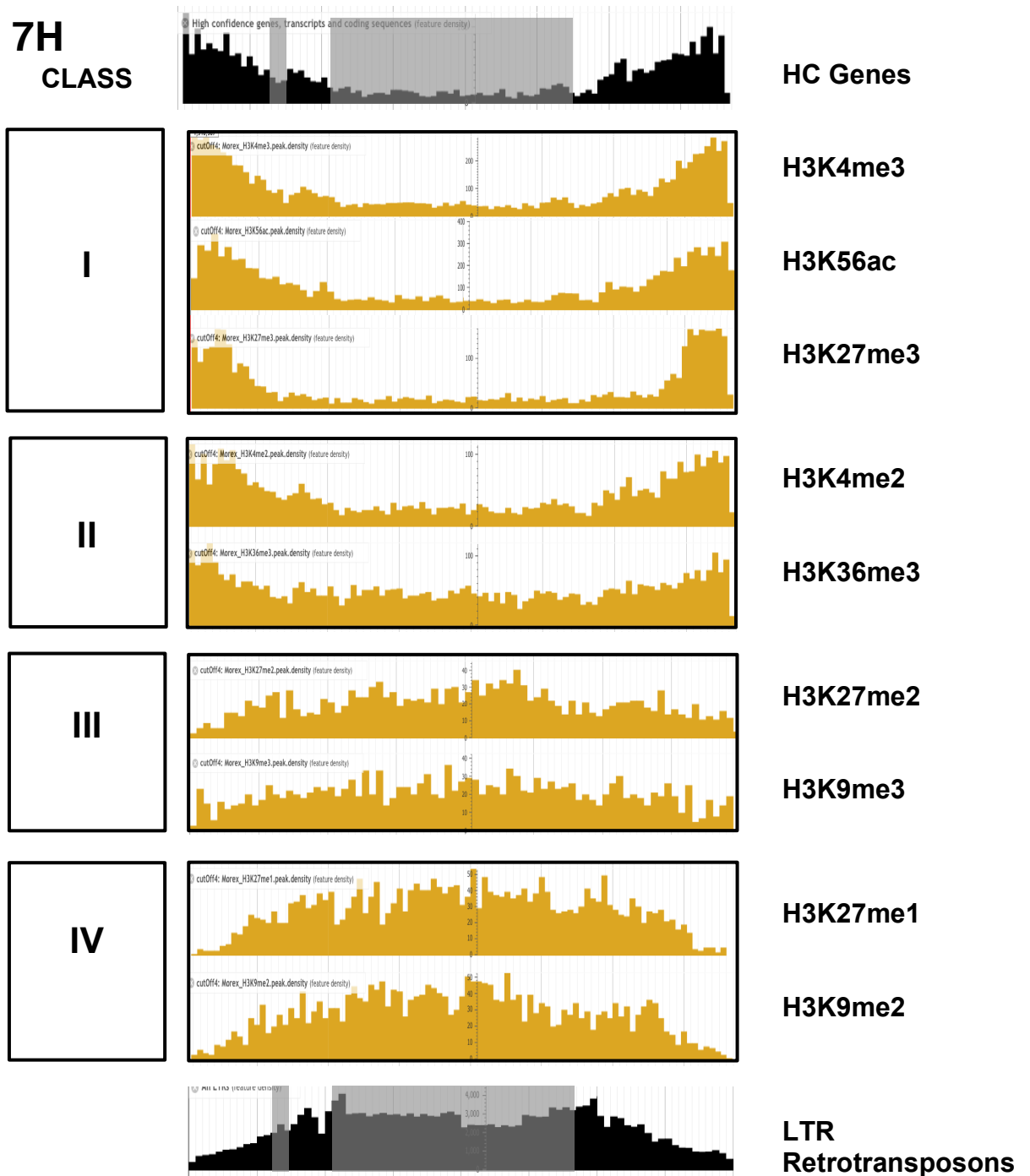


Figure S1: Peak densities of histone modifications across barley chromosomes: Local peak densities for the nine histone modifications studied here are plotted against pseudo-physical positions on barley chromosomes in JBrowse (see Methods). Distribution Classes I-IV are described in the text. The distributions of HC genes and LTR retrotransposons are also shown and the location of the LR-PC region (Baker *et al.* 2014) is indicated in grey.