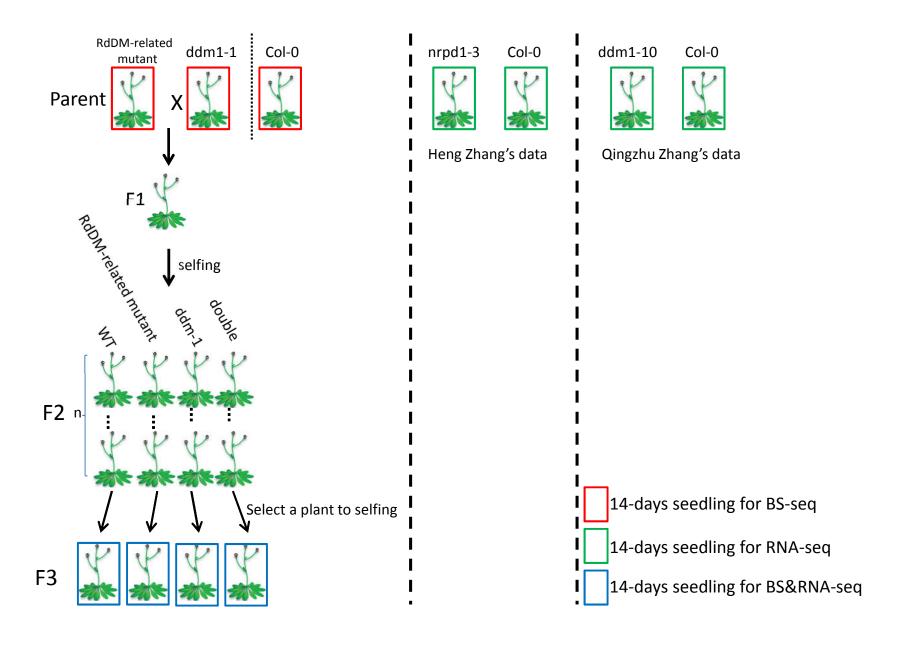
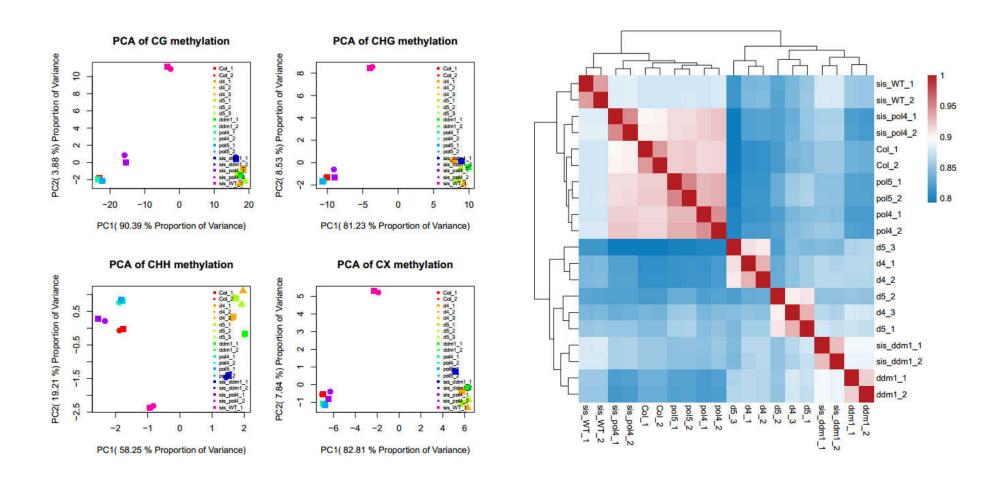
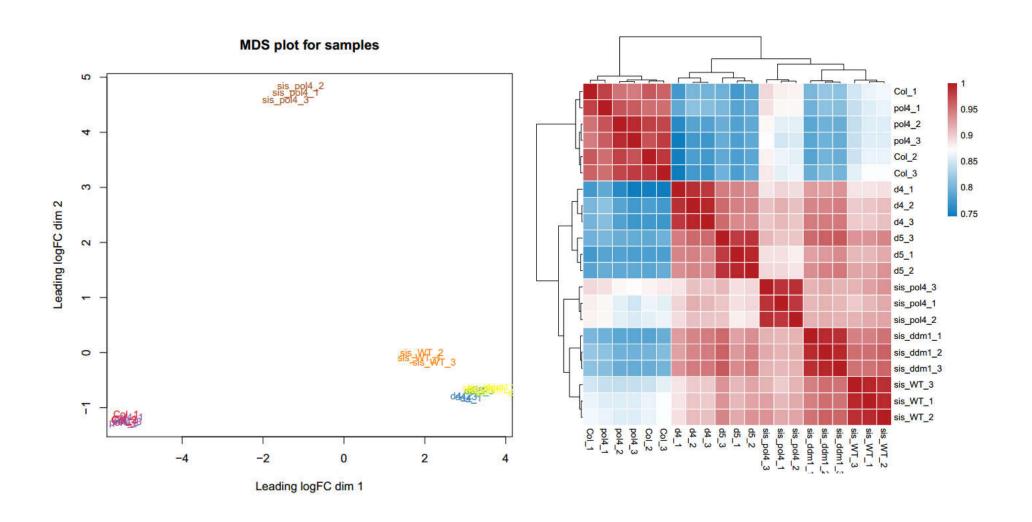
Materials were used to BS and RNA sequencing



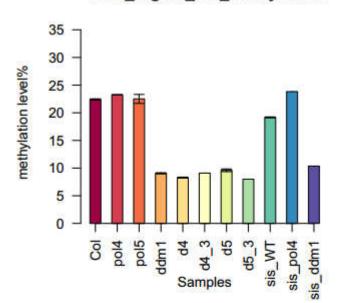
PCA of BS-Seq samples



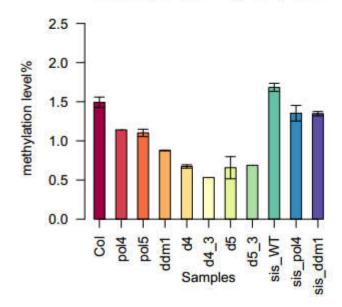
PCA of BS-Seq samples



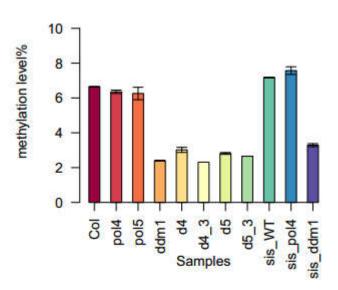
Total_region_CG_methylation



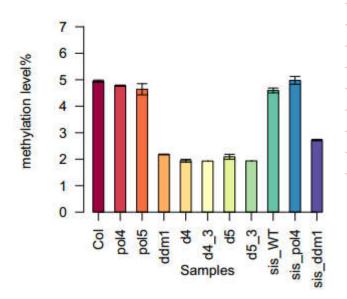
Total_region_CHH_methylation



Total_region_CHG_methylation

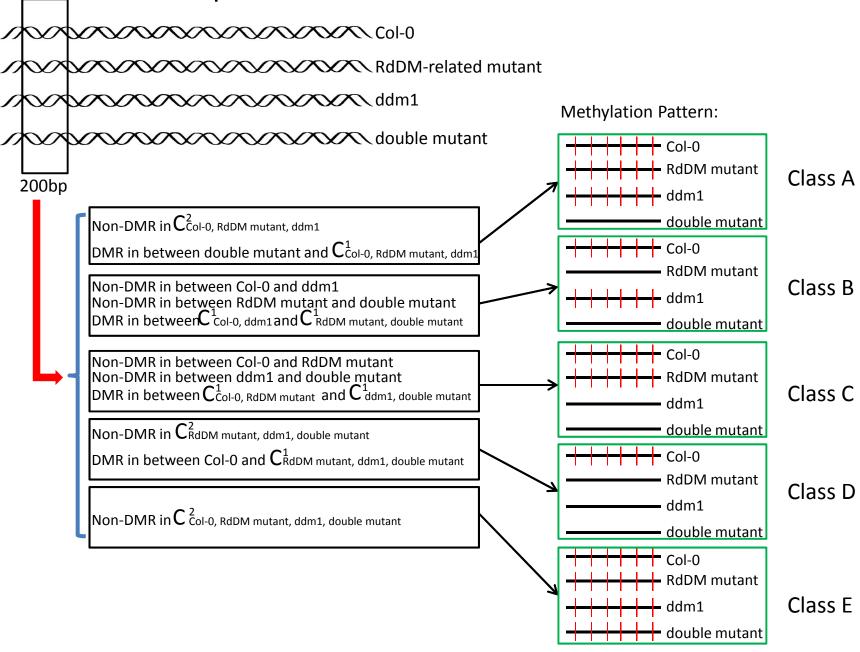


Total_region_CX_methylation

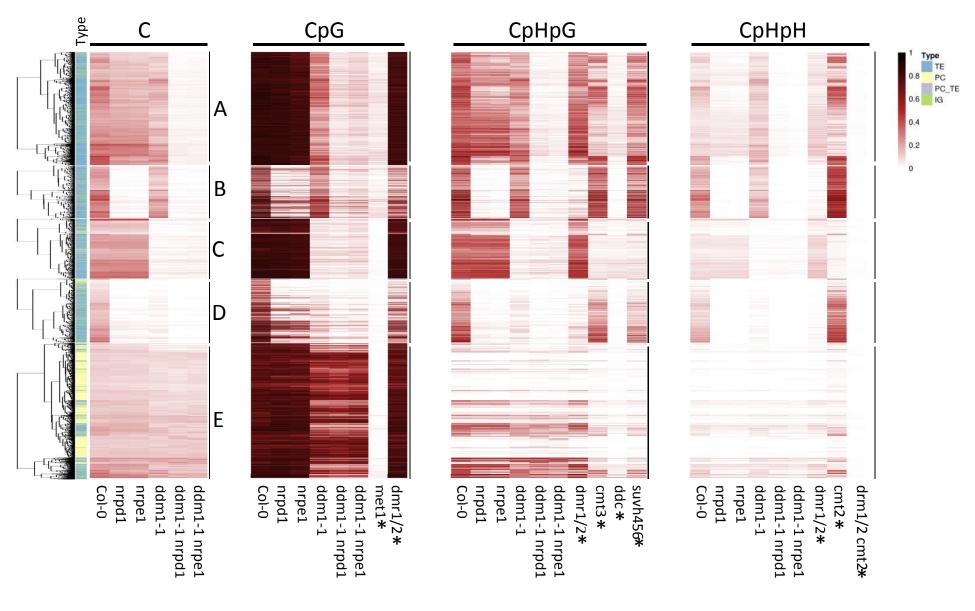


sample	average_depth
Col_1	16.909
Col_2	16.767
d4_1	13.711
d4_2	12.01
d4_3	12.017
d5_1	11.489
d5_2	17.357
d5_3	13.632
ddm1_1	14.699
ddm1_2	15.995
pol4_1	13.476
pol4_2	16.889
pol5_1	18.122
pol5_2	15.821
sis_WT_1	13.001
sis_WT_2	12.512
sis_ddm1_1	13.195
sis_ddm1_2	12.557
sis_pol4_1	12.589
sis_pol4_2	13.183

Pipeline used to determine the different Classes

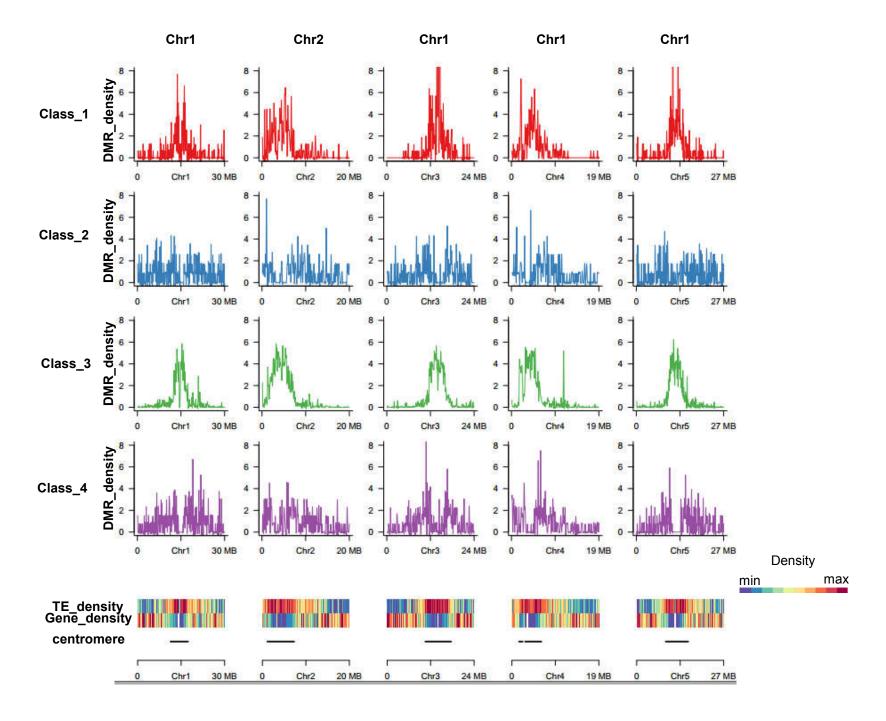


Characterization of different Classes

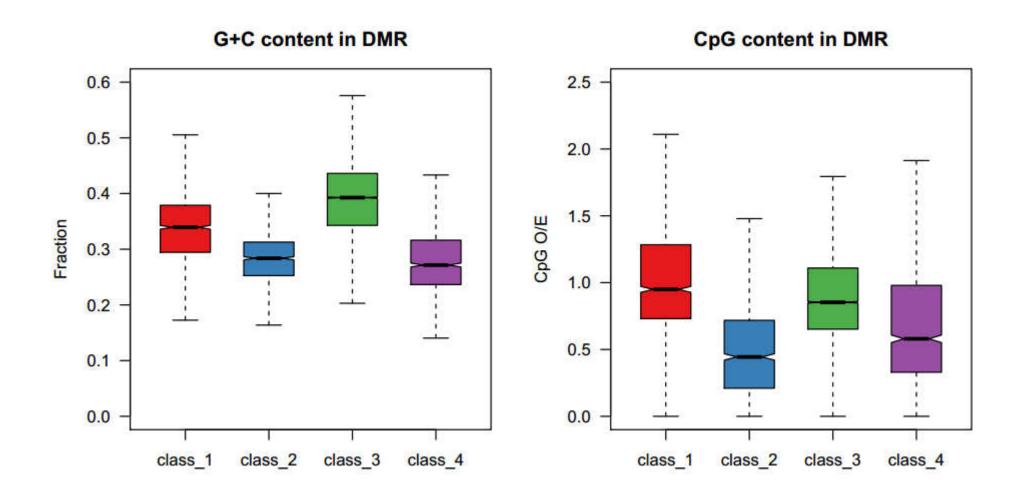


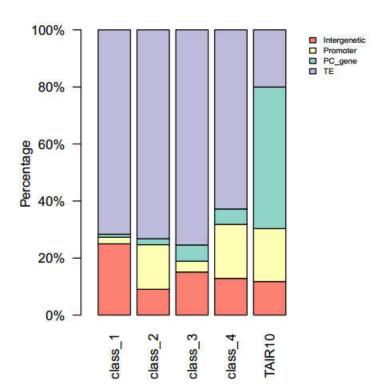
*: Jacobsen's data

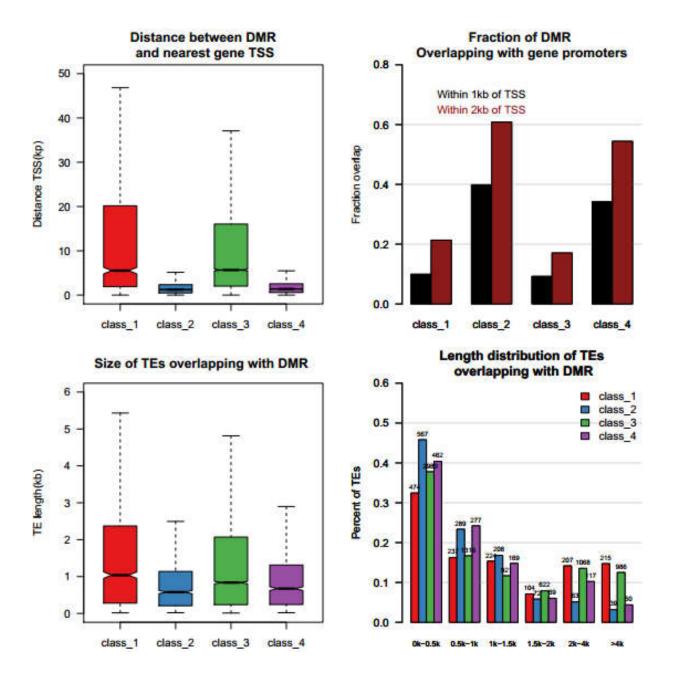
Distribution of the region density of different Classes over chromosomes

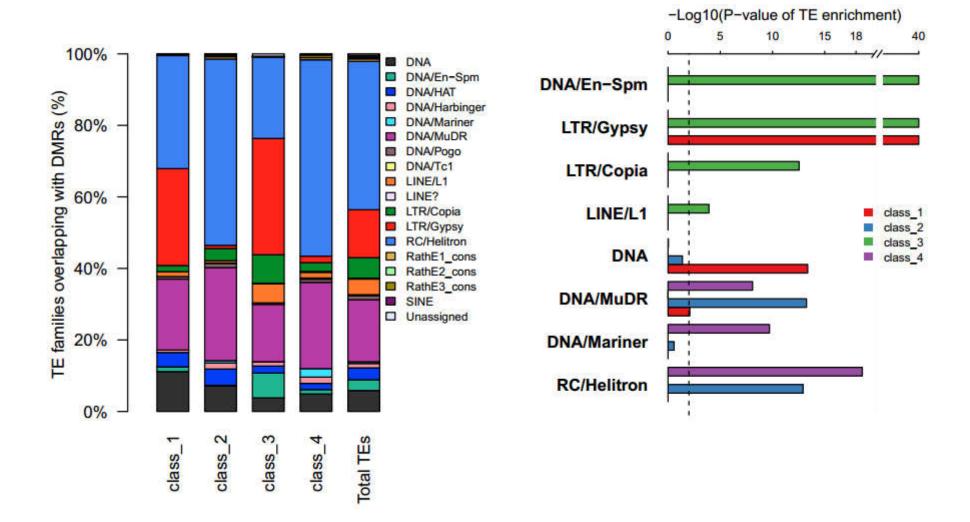


Features of Classes

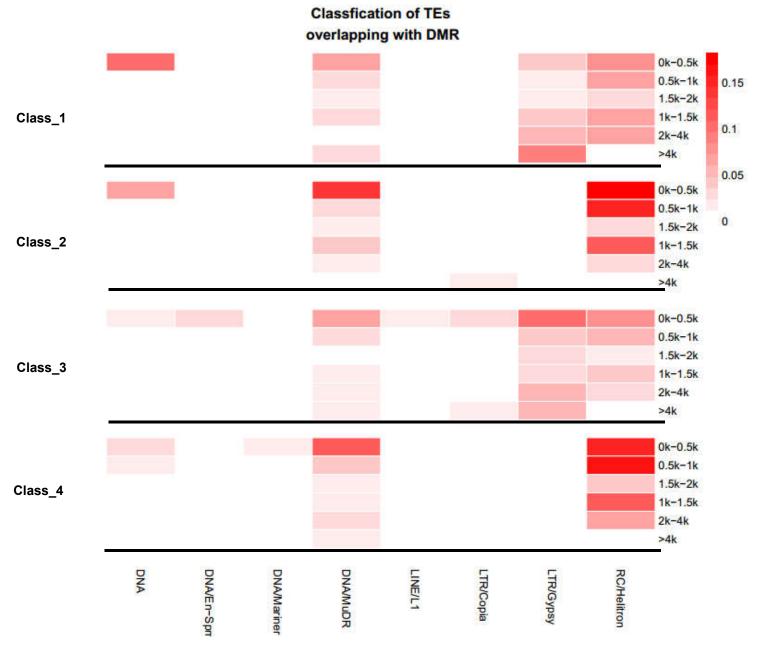




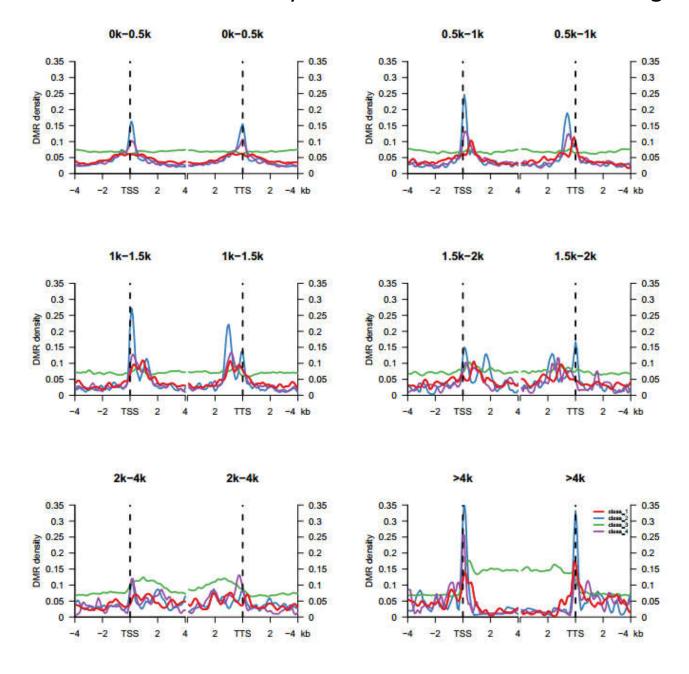


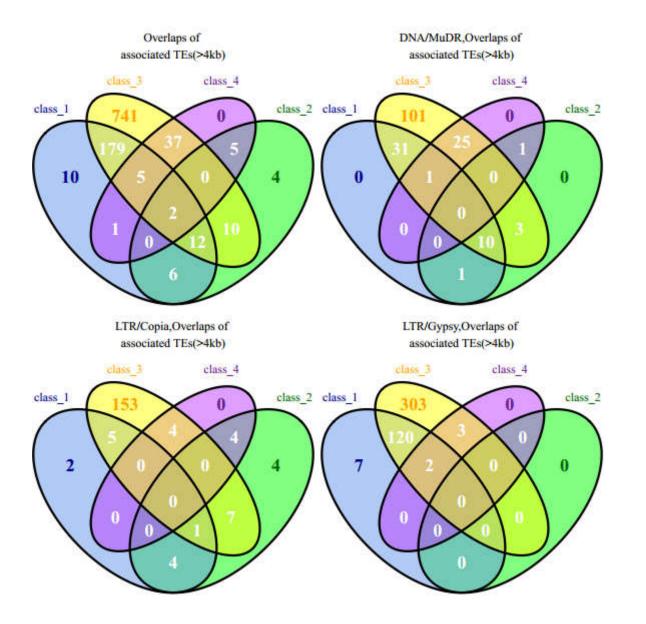


Distribution of classes density over different TE element of length

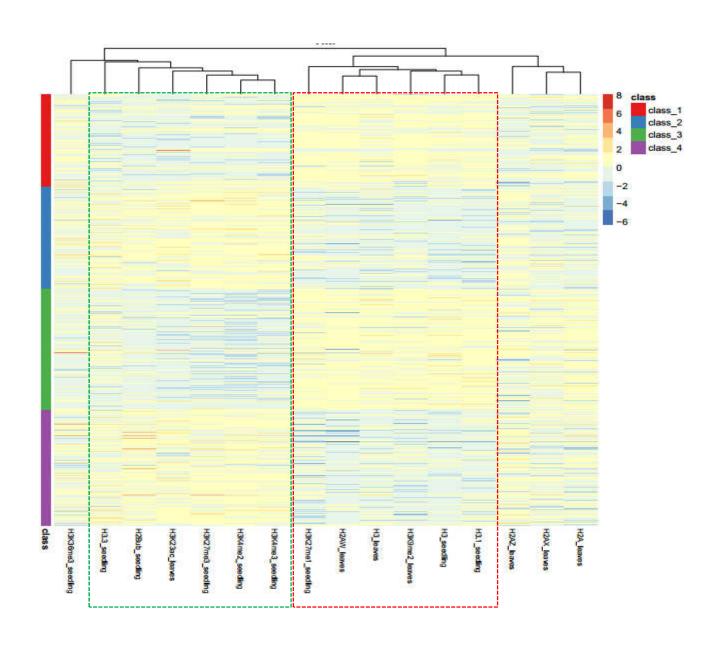


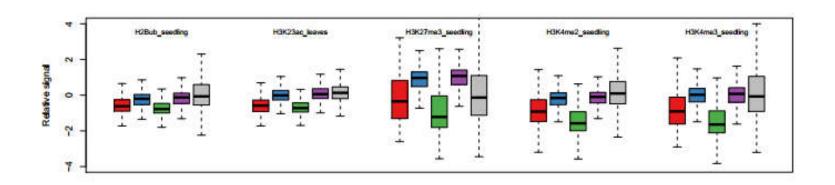
Distribution of classes density over different TE element of length

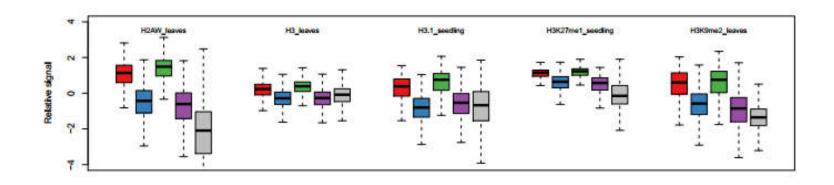


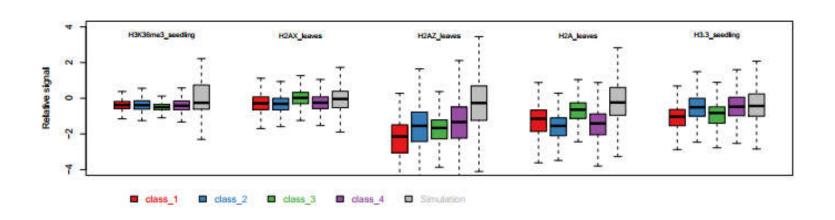


Hierarchical clustering of histone modification signals from genomic regions of different classes

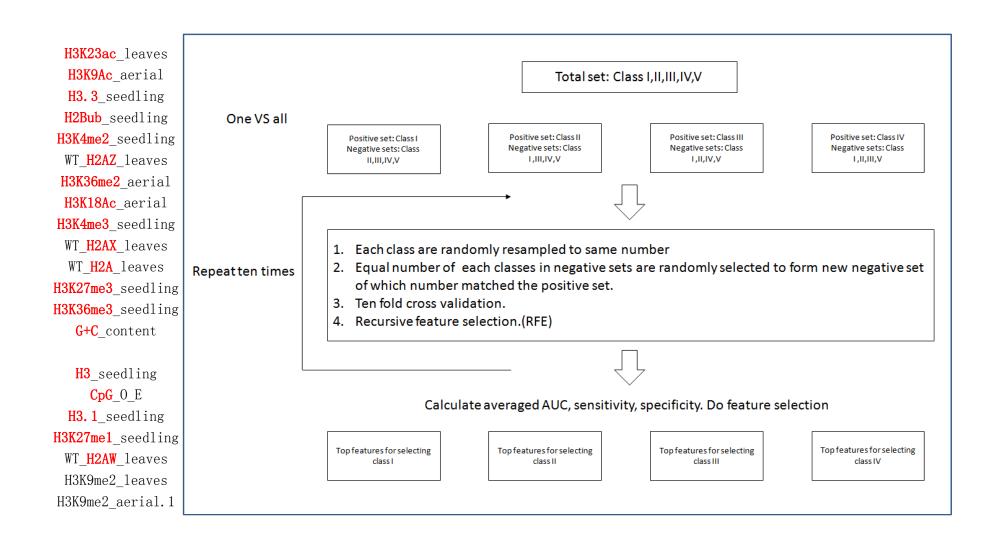


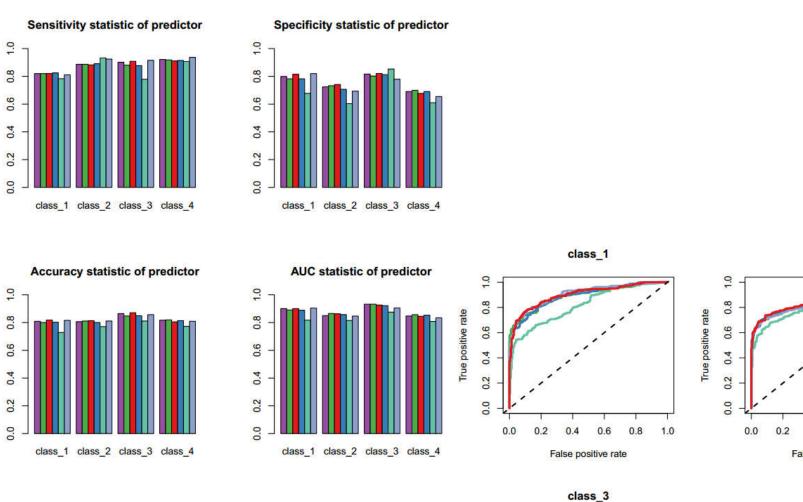


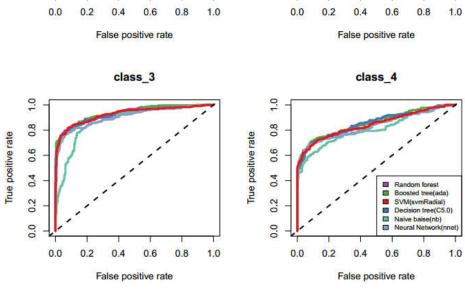




Pipeline used to machine learning

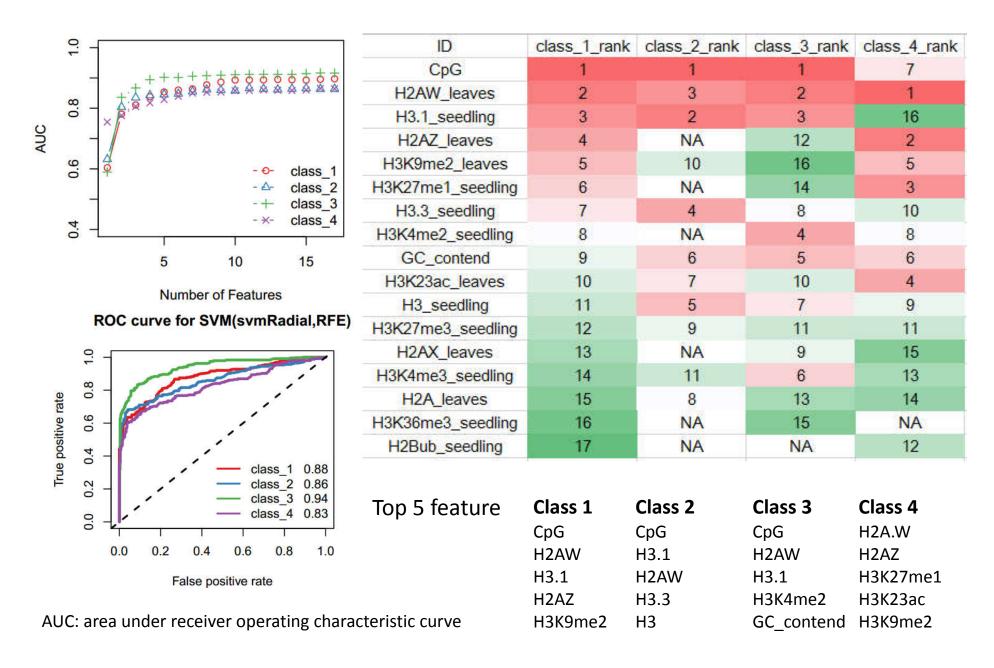


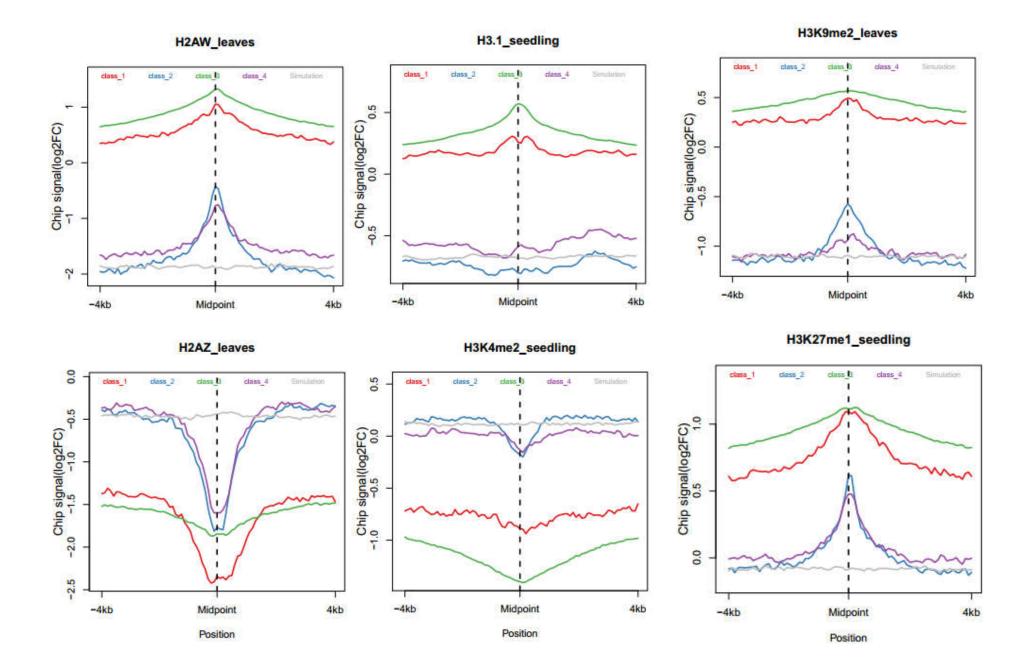




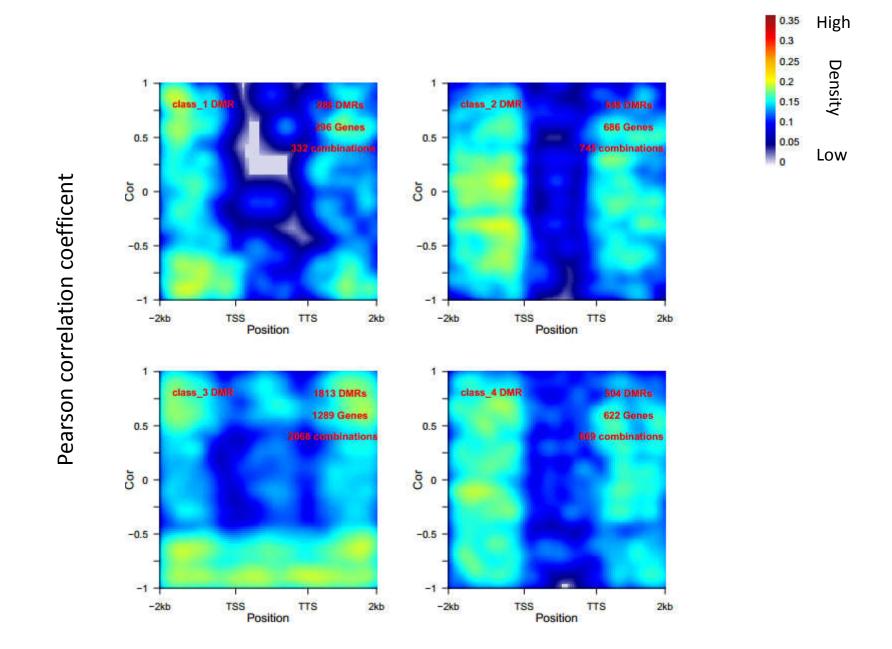
class_2

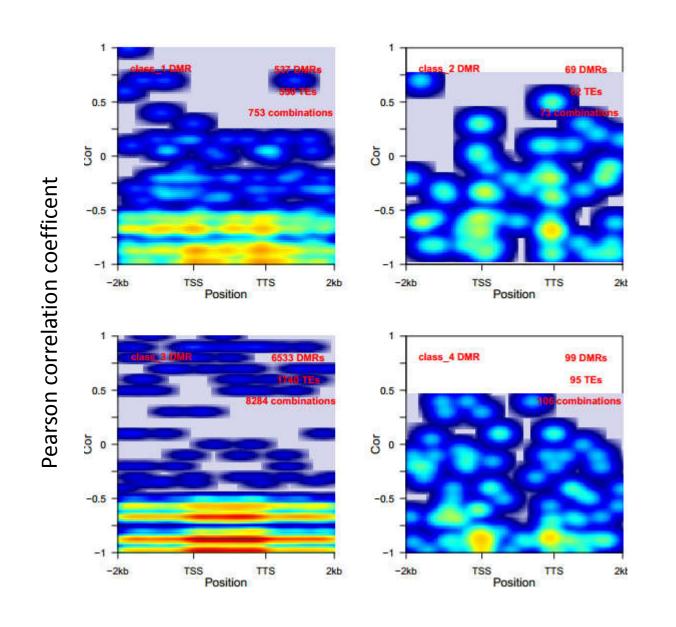
Different classes were predicted by various group of features

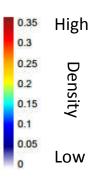




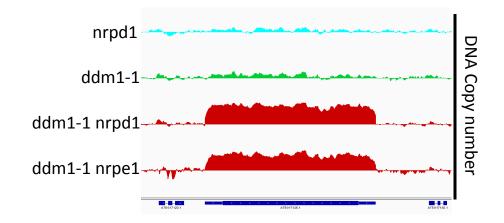
Correlation between the methylation in DMRs and gene/TE expression levels



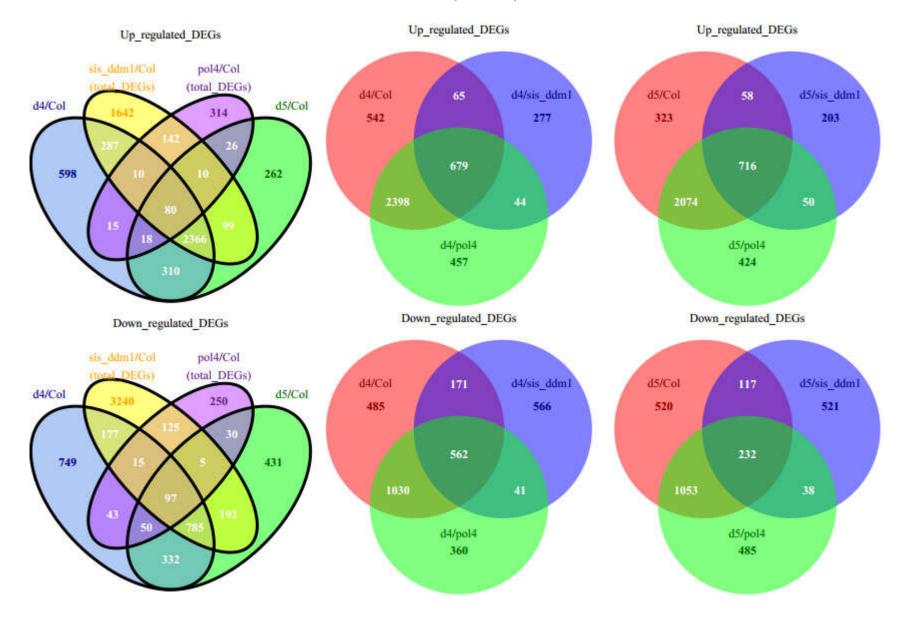


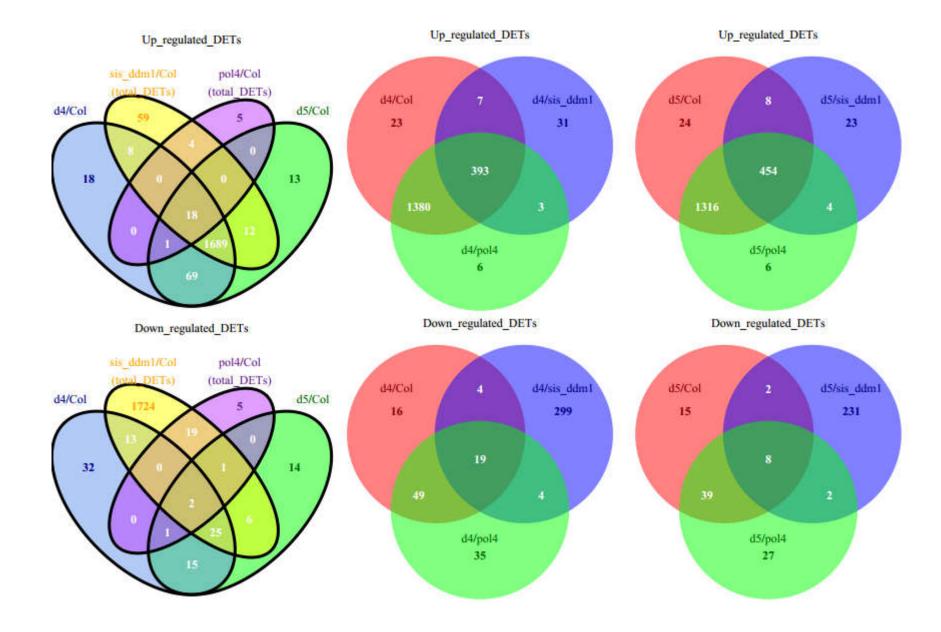


DDM1 and RdDM Collaborate to Repress TE Expression and Transposition

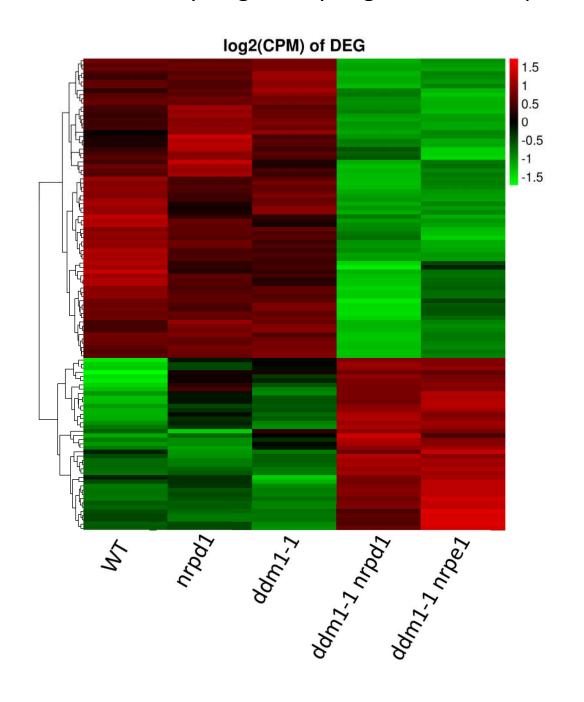


RNA-Seq analysis





DDM1 and RdDM Synergistically Regulate Gene Expression



Thanks for your patience and time!