



Histone Modification	Function	Location
H3K4me1	Activation	Enhancers
H3K4me3	Activation	Promoters
H3K9me3	Repression	Satellite repeats, Tolomeras, Pericentromeres
H3K27me3	Repression	Promotor, Gene rich region
H3K36me3	Activation	Gene bodies
H3K79me2	Activation	Gene bodies
H3K9Ac	Activation	Enhancer, Promoter
H3K27Ac	Activation	Enhancer, Promoter
H4K16Ac	Activation	Repetitive sequences
H3S10P	DNA replication	Mitotic chromosomes
Gamma H2A.X	DNA denaturation	DNA double strand breaks

Histone binding module	Histone marks
BRCT	H2A.XS139
Bromodomain	Kac
Chromodomain	H3K4me2/3, H3K9me2/3, H3K27me2/3
MBT	H3K4me1, H4K20me1/2, H1K26me1
PHD	H3K4, H3K4me3, H3K9me3, K36me3
Tudor	H3K4me3, H4K20me2
WD40 repeats	R2/H3K4me2
14-3-3	H3S10Ph