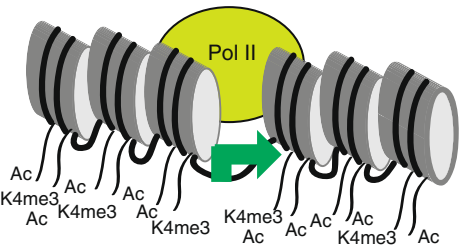


active gene promoter



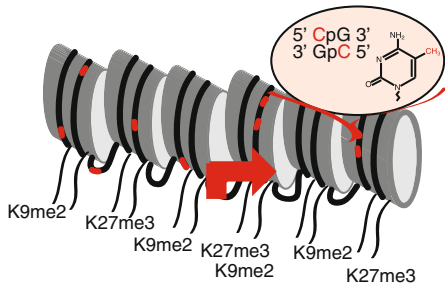
open/ accessible chromatin

DNA hypo-methylated

active histone marks,
e.g. H3K9ac, H3K4me3

active transcriptional complex,
including RNA PolII

inactive gene promoter



closed/ inaccessible chromatin

DNA hyper-methylated

inactive histone marks,
e.g. H3K27me3, H3K9me2

transcriptional repressor complex