



**Figure 4. Sites of Histone Methylation, Their Protein Binders, and Functional Role in Genomic Processes**

Methylation of histones occurs at lysine residues in histones H3 and H4. Certain methylated lysine residues are associated with activating transcription (*green Me flag*), whereas others are involved in repressive processes (*red Me flag*). Proteins that bind particular methylated lysine residues are indicated.