



Figure 1. The major cofactors involved in enzyme-mediated DNA or histone posttranslational modification (PTM). NAD, nicotinamide adenine dinucleotide; acetyl-CoA, acetyl coenzyme A; SAM, S-adenosyl methionine; FAD, flavin adenine dinucleotide; PARP, poly-ADP-ribose polymerase; HAT, histone acetyltransferase; PRMT, protein arginine methyltransferase; DNMT, DNA methyltransferase; KMT, lysine (K) methyltransferase; KDM, lysine demethylase; TET, ten-eleven translocation protein; LSD, lysine-specific demethylase.