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# Hypermethylation

National Cancer Institute

## Source

National Cancer Institute. *Hypermethylation*. NCI Thesaurus. Code C20102.

Hypermethylation appears to be a controlled, epigenetic, heritable, and aberrant DNA methylation reaction on gene promoter regions and CpG islands associated with loss of (e.g., tumor-suppressor) gene function in diverse cellular pathways through transcriptional silencing by the formation of transcriptionally repressive chromatin.