

**Table 5:** Methylation databases

Name	URL	Brief description	Download of Data	Current status
ANCOGeneDB	<a href="https://bioinfo.uth.edu/ancogenedb/">https://bioinfo.uth.edu/ancogenedb/</a>	Epigenomic, enhancers, and expression quantitative trait loci	Yes	Online
BECon*	<a href="https://redgar598.shinyapps.io/BECon/">https://redgar598.shinyapps.io/BECon/</a>	Interpreting methylation findings from blood in the context of brain	Yes	Online
CMS	<a href="http://cbbiweb.uthscsa.edu/KMethylomes/">http://cbbiweb.uthscsa.edu/KMethylomes/</a>	Analytic functions for cancer methylome datasets	No	Offline
DBCAT	<a href="http://dbcat.cgm.ntu.edu.tw/">http://dbcat.cgm.ntu.edu.tw/</a>	Methylation profiles of DNA alteration in human cancer	Yes	Online
DiseaseMeth*	<a href="http://bio-bigdata.hrbmu.edu.cn/diseasemeth/">http://bio-bigdata.hrbmu.edu.cn/diseasemeth/</a>	Aberrant methylomes of human diseases	No	Online
GED	<a href="http://gametsepi.nwsuafmz.com/">http://gametsepi.nwsuafmz.com/</a>	Epigenetic modification of gametogenesis in mammals	Yes	Online
Geneimprint	<a href="http://www.geneimprint.com/site/home">http://www.geneimprint.com/site/home</a>	Gene imprinting and which allele is expressed	Yes	Online
Lnc2Meth	<a href="http://bio-bigdata.hrbmu.edu.cn/Lnc2Meth/">http://bio-bigdata.hrbmu.edu.cn/Lnc2Meth/</a>	Informs about RNAs and DNA methylation of transcripts	Yes	Online
MeInfoText	<a href="http://bws.iis.sinica.edu.tw:8081/MeInfoText2/">http://bws.iis.sinica.edu.tw:8081/MeInfoText2/</a>	Gene methylation and cancers, protein-protein interactions, and biological pathways	Yes	Offline
MethHC	<a href="http://methhc.mbc.nctu.edu.tw/">http://methhc.mbc.nctu.edu.tw/</a>	Focuses on aberrant methylomes of human diseases	No	Offline
MethylomeDB	<a href="http://epigenomics.columbia.edu/methylomedb/index.html">http://epigenomics.columbia.edu/methylomedb/index.html</a>	DNA methylation profiles for human and mouse brains	Yes	Offline
mPod	<a href="http://www.genome.org">www.genome.org</a>	Genome-wide tissue-specific DNA methylation profiles	No	Online
PhenoScanner *	<a href="http://www.phenoscanter.medschl.cam.ac.uk/">http://www.phenoscanter.medschl.cam.ac.uk/</a>	Methylation and human genotype-phenotype associations	Yes	Online
ROADMAP*	<a href="https://egg2.wustl.edu/roadmap/web_portal/index.html">https://egg2.wustl.edu/roadmap/web_portal/index.html</a>	Epigenetic modifications and mRNA expression of human cell types and tissues	Yes	Online
TCGA*	<a href="https://www.cancer.gov/">https://www.cancer.gov/</a>	Cancer methylation and expression	Yes	Online
TSGene	<a href="http://bioinfo.mc.vanderbilt.edu/TSGene/">http://bioinfo.mc.vanderbilt.edu/TSGene/</a>	Methylation status of tumor suppressor genes	No	Offline

\*Top tools ranked by the authors.