

Resource Summary Report

Generated by [dkNET](#) on Aug 5, 2026

MethPipe

RRID:SCR_005168

Type: Tool

Proper Citation

MethPipe (RRID:SCR_005168)

Resource Information

URL: <http://smithlab.usc.edu/methpipe/>

Proper Citation: MethPipe (RRID:SCR_005168)

Description: A computational pipeline for analyzing bisulfite sequencing data.

Abbreviations: MethPipe

Resource Type: software resource

Defining Citation: [PMID:24324667](#)

Keywords: bio.tools

Resource Name: MethPipe

Resource ID: SCR_005168

Alternate IDs: biotools:methpipe, OMICS_00603

Alternate URLs: <https://bio.tools/methpipe>

Record Creation Time: 20220129T080228+0000

Record Last Update: 20260801T190256+0000

Ratings and Alerts

No rating or validation information has been found for MethPipe.

No alerts have been found for MethPipe.

Data and Source Information

Usage and Citation Metrics

We found 103 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Brown ME, et al. (2025) Pancreatic islet β -cell subtypes are derived from biochemically-distinct and nutritionally-regulated islet progenitors. *Nature communications*, 16(1), 5758.

Cheng CCY, et al. (2025) Multi-omic analysis of hepatocellular carcinoma reveals aberrant cis-regulatory changes and dysregulated retrotransposons with prognostic potential. *Communications biology*, 8(1), 1792.

Ebert BC, et al. (2025) Establishment of neuronal and glial competence of neural stem cells requires distinct enzymatic activities of TET enzymes. *Stem cell reports*, 20(9), 102595.

Guo L, et al. (2025) Duckweed: a starch-hyperaccumulating plant under cultivation with a combination of nutrient limitation and elevated CO₂. *Frontiers in plant science*, 16, 1531849.

Guerin LN, et al. (2025) Temporally discordant chromatin accessibility and DNA demethylation define short- and long-term enhancer regulation during cell fate specification. *Cell reports*, 44(5), 115680.

Zhou B, et al. (2025) Anticancer effects of zinc ion-mediated DNA demethylation in oesophageal squamous cell carcinoma. *Frontiers in pharmacology*, 16, 1559675.

Baffuto M, et al. (2025) Epigenetic mechanisms governing cell type specific somatic expansion and toxicity in Huntington's disease. *bioRxiv : the preprint server for biology*.

Wang J, et al. (2025) DNA methyltransferase 1 modulates mitochondrial function through bridging m⁵C RNA methylation. *Molecular cell*, 85(10), 1999.

Moqri M, et al. (2024) PRC2-AgeIndex as a universal biomarker of aging and rejuvenation. *Nature communications*, 15(1), 5956.

Murase Y, et al. (2024) In vitro reconstitution of epigenetic reprogramming in the human germ line. *Nature*, 631(8019), 170.

Ye X, et al. (2024) Enhancer-promoter activation by the Kaposi sarcoma-associated herpesvirus episome maintenance protein LANA. *Cell reports*, 43(3), 113888.

Buckley DN, et al. (2024) A comprehensive analysis of minimally differentially methylated regions common to pediatric and adult solid tumors. *NPJ precision oncology*, 8(1), 125.

Zhu Y, et al. (2024) DNA methylation profiling of CpG islands in trigeminal ganglion of rats with orofacial pain induced by experimental tooth movement. *BMC oral health*, 24(1), 1474.

Chen S, et al. (2024) Cross-Species Comparative DNA Methylation Reveals Novel Insights into Complex Trait Genetics among Cattle, Sheep, and Goats. *Molecular biology and evolution*, 41(2).

Gu G, et al. (2024) Endocrine islet β -cell subtypes with differential function are derived from biochemically distinct embryonic endocrine islet progenitors that are regulated by maternal nutrients. *Research square*.

Chalkley ML, et al. (2024) Human TSC2 Mutant Cells Exhibit Aberrations in Early Neurodevelopment Accompanied by Changes in the DNA Methylome. *bioRxiv : the preprint server for biology*.

Guerin LN, et al. (2024) Temporally discordant chromatin accessibility and DNA demethylation define short and long-term enhancer regulation during cell fate specification. *bioRxiv : the preprint server for biology*.

Zhu S, et al. (2023) The Snapdragon Genomes Reveal the Evolutionary Dynamics of the S-Locus Supergene. *Molecular biology and evolution*, 40(4).

Senapati P, et al. (2023) Loss of epigenetic suppression of retrotransposons with oncogenic potential in aging mammary luminal epithelial cells. *Genome research*, 33(8), 1229.

Liu Q, et al. (2023) Genome-wide DNA methylation analysis of Astragalus and Danshen on the intervention of myofibroblast activation in idiopathic pulmonary fibrosis. *BMC pulmonary medicine*, 23(1), 325.