

# Resource Summary Report

Generated by [dkNET](#) on Aug 26, 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:** 20260815T182300+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 108 mentions in open access literature.

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

Wang C, et al. (2026) Demethylation-primed tandem CD19/CD20 CAR T cells in relapsed/refractory B-cell lymphoma: a phase I/II trial. *Nature communications*, 17(1).

Kafetzopoulos I, et al. (2026) DNMT1 loss leads to hypermethylation of a subset of late replicating domains by DNMT3A. *PLoS genetics*, 22(4), e1012098.

Li W, et al. (2026) DNA methylation clock in bull sperm cells reveals the epigenetic aging characteristics and impact on fertility. *Journal of animal science and biotechnology*, 17(1).

Zhang MS, et al. (2026) BCAT1-dependent HIF-1 $\alpha$  stabilization is a targetable metabolic vulnerability in hepatocellular carcinoma. *Cell reports. Medicine*, 7(5), 102784.

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.

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

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.

De Vlaminck I, et al. (2025) Metagenomic Cell-free DNA Sequencing for Treatment Monitoring in Sepsis. *Research square*.

Guo L, et al. (2025) Duckweed: a starch-hyperaccumulating plant under cultivation with a combination of nutrient limitation and elevated CO<sub>2</sub>. *Frontiers in plant science*, 16, 1531849.

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

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.

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 m<sup>5</sup>C RNA methylation. *Molecular cell*, 85(10), 1999.

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

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.

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).

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*.