

Resource Summary Report

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[methPrimerDB](#)

RRID:SCR_012017

Type: Tool

Proper Citation

methPrimerDB (RRID:SCR_012017)

Resource Information

URL: <http://www.urogene.org/methprimer/>

Proper Citation: methPrimerDB (RRID:SCR_012017)

Description: A public database holding PCR primers for popular DNA methylation analysis methods to prevent time-consuming primer design and experimental optimisation.

Abbreviations: methPrimerDB

Synonyms: methPrimerDB - DNA Methylation analysis PCR Primer Database

Resource Type: data or information resource, database

Defining Citation: [PMID:17094804](#)

Keywords: FASEB list

Availability: Public

Resource Name: methPrimerDB

Resource ID: SCR_012017

Alternate IDs: OMICS_01841

Record Creation Time: 20220129T080308+0000

Record Last Update: 20260919T195726+0000

Ratings and Alerts

No rating or validation information has been found for methPrimerDB.

No alerts have been found for methPrimerDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 614 mentions in open access literature.

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

Bisht D, et al. (2026) Liquid biopsy-based diagnostic evaluation of hypermethylated CpG sites for ovarian cancer diagnosis. *Molecular oncology*.

Agarwal Y, et al. (2026) Epigenetic Regulation of Inflammation by Dopamine in Primary Human Macrophages. *bioRxiv : the preprint server for biology*.

Guan K, et al. (2026) DNMT3b promotes proliferation and invasion by mediating HOPX DNA methylation in lung cancer. *iScience*, 29(2), 114347.

Wang Q, et al. (2026) DNA methylation regulation of CYP450-lipid metabolism by high-altitude hypoxia: linking neuroinflammation to cognitive impairment. *Journal of neuroinflammation*, 23(1).

Lin TY, et al. (2026) Dysregulated methylation of the human BOLL promoter hinders germ cell development from spermatogonia to spermatids. *Molecular biology reports*, 53(1).

Zhu B, et al. (2026) Construction of a Normalized Library and Screening of Transcriptional Regulators of the cas5 Gene in *Corynespora cassicola*. *Microorganisms*, 14(1).

Wu Y, et al. (2026) Development and validation of a 5mC-based prognostic model for lung adenocarcinoma survival. *Cell reports. Medicine*, 7(4), 102727.

Zhang S, et al. (2026) Microcystin-LR Triggers Renal Tubular Ferroptosis Through Epigenetic Repression of GPX4: Implications for Environmental Nephrotoxicity. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(9), e14349.

Vitali R, et al. (2026) Fecal miRNome and Proteome Profiling Uncovers Stage-Specific Biomarkers of Alzheimer's Disease in 3×Tg-AD Mice. *Cellular and molecular neurobiology*, 46(1).

Zhang Q, et al. (2026) Integrated analysis of DNA methylation and transcriptome profiles in broiler heart and lung tissues reveals epigenetic regulatory mechanisms underlying ascites syndrome. *Poultry science*, 105(1), 106034.

Chen W, et al. (2026) Lnc-HZ05 Suppresses Trophoblast Cell Migrasome Formation by Disrupting TGF β 2 Pathway in Unexplained Recurrent Miscarriage. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(2), e17558.

López-Guzmán SF, et al. (2026) Molecular Characterization of the Murine Catsper4 Promoter and its Regulation by CREM?. *Reproductive sciences (Thousand Oaks, Calif.)*, 33(2), 411.

Zheng C, et al. (2026) Exercise Metabolic Memory Halts Pathological Cardiac Hypertrophy via PDK4. *Circulation research*, 138(11), e326889.

Drag MH, et al. (2026) MethylSense: high accuracy machine learning-based diagnostics for *Aspergillus fumigatus* infection in chickens using host cell-free DNA methylation and Nanopore sequencing. *Journal of clinical microbiology*, 64(6), e0105425.

Wang N, et al. (2026) Loss of DNA methyltransferase 3a enhances Caspase-8 transcription and promotes cardiomyocyte pyroptosis during myocardial infarction. *Nature communications*, 17(1).

Leban T, et al. (2026) Multiomics Data Synthesis of FAM83H in Amelogenesis Imperfecta. *International dental journal*, 76(1), 109293.

Ji S, et al. (2025) Methylation sites of human papillomavirus 16 as potential biomarkers for cervical cancer progression. *Frontiers in oncology*, 15, 1481621.

Yin X, et al. (2025) Pathogenic germline variants in Chinese pancreatic adenocarcinoma patients. *Nature communications*, 16(1), 2214.

Li W, et al. (2025) Identification of the Bovine CSN3 Core Promoter Region and the Relationships Between CSN3 Promoter Polymorphisms and the CSN3 A and B Alleles. *Animals : an open access journal from MDPI*, 15(2).

Lin Q, et al. (2025) Delivery of miR-29a/29c-3p by serum exosomes promotes osteogenesis through TET3-dependent Sox9 demethylation and PI3K/Akt activation. *Journal of nanobiotechnology*, 23(1), 751.