

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: 20260729T044301+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 551 mentions in open access literature.

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

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.

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.

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.

Yang S, et al. (2025) DNMT3A facilitates breast cancer progression via regulating ADAMTS8 mediated EGFR-MEK-ERK activation. *PloS one*, 20(5), e0321889.

Min X, et al. (2025) DNA demethylation mediated endogenous retroviruses transcription promotes aberrant T cell differentiation in systemic lupus erythematosus via RIG-I pathway. *EBioMedicine*, 120, 105934.

Jin J, et al. (2025) YY1-induced Long non-coding RNA HOXA11-AS activates oxidative stress and inflammation by epigenetic modification of Nrf2 pathway to promote keloid formation. *Redox report : communications in free radical research*, 30(1), 2539030.

Sun Y, et al. (2025) MYBBP1A-mediated IGFBP4 promoter methylation promotes epithelial-mesenchymal transition and metastasis through activation of NOTCH pathway in liver cancer. *International journal of oncology*, 66(1).

Zhou X, et al. (2025) C/EBP β -Lin28a positive feedback loop triggered by C/EBP β hypomethylation enhances the proliferation and migration of vascular smooth muscle cells in restenosis. *Chinese medical journal*, 138(4), 419.

Song P, et al. (2025) New Generation of Clinical Epigenetics Analysis and Diagnosis for Precision Medicine. *Diagnostics (Basel, Switzerland)*, 15(12).

Luan F, et al. (2025) Comprehensive pan-cancer analysis reveals NTN1 as an immune infiltrate risk factor and its potential prognostic value in SKCM. *Scientific reports*, 15(1),

3223.

Zhang Y, et al. (2025) Aberrant DNMT1-mediated DACH1 methylation is associated with colorectal adenoma-to-carcinoma progression. *Experimental biology and medicine* (Maywood, N.J.), 250, 10469.

Sun Z, et al. (2025) Transcription factor MYB regulates glycolysis to promote the transfer and malignant progression of gastric cancer through the SSBP2/ISL1 axis. *Cancer cell international*, 25(1), 322.

Shi Z, et al. (2025) Deciphering the methylation landscape of long noncoding RNAs in hepatocellular carcinoma: a focus on LINC00942. *Clinical epigenetics*, 17(1), 142.

Zhang Y, et al. (2025) Natural variation in the ZmPIMT1 promoter enhances seed aging tolerance by regulating PABP2 repair in maize. *The Plant cell*, 37(10).

Liu T, et al. (2025) IL-17A Induces Circadian Disruptions Through the Epigenetic Repression of BMAL1 in Mice With Alzheimer's Disease. *Journal of cellular and molecular medicine*, 29(7), e70546.

Bai ZJ, et al. (2025) EZH2-mediated downregulation of miR-155-5p contributes to prostate cancer cell malignancy through SMAD2 and TAB2. *The Kaohsiung journal of medical sciences*, 41(3), e12936.

Wu X, et al. (2025) Endoplasmic Reticulum Stress-Induced triggering Receptor Expressed on Myeloid Cells 2 (TREM2) Downregulation Exacerbates Platelet Activation and Myocardial Infarction in Patients With Coronary Artery Disease. *Journal of the American Heart Association*, 14(13), e041220.

Wang X, et al. (2025) DNA Methylation of Igf2r Promoter CpG Island 2 Governs Cis-Acting Inheritance and Gene Dosage in Equine Hybrids. *Biology*, 14(6).