

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: 20260804T043447+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 [ASWG](#) .

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.

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

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

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),

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).

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.

Zhou X, et al. (2025) Potentiating anti-tumor immunity by re-engaging immune synapse molecules. *Cell reports. Medicine*, 6(3), 101975.

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.

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).