

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

QUMA

RRID:SCR_010907

Type: Tool

Proper Citation

QUMA (RRID:SCR_010907)

Resource Information

URL: <http://quma.cdb.riken.jp/>

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Description: You can easily align, visualize and quantify bisulfite sequence data for CpG methylation analysis.

Abbreviations: QUMA

Synonyms: QUantification tool for Methylation Analysis

Resource Type: software resource

Keywords: bio.tools

Resource Name: QUMA

Resource ID: SCR_010907

Alternate IDs: OMICS_00588, biotools:quma

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

Record Creation Time: 20220129T080301+0000

Record Last Update: 20260725T190706+0000

Ratings and Alerts

No rating or validation information has been found for QUMA.

No alerts have been found for QUMA.

Data and Source Information

Usage and Citation Metrics

We found 364 mentions in open access literature.

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

Hayashi Y, et al. (2025) Glial cells missing 1 triggers gliosis and angiogenesis after neonatal brain injury. *iScience*, 28(11), 113860.

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

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).

Hashimoto K, et al. (2025) STAT1-mediated epigenetic regulation of LIN28A controls iPSC-derived platelet production through the let-7-RALB axis. *Blood advances*, 9(17), 4345.

Amistadi S, et al. (2025) Dissecting the epigenetic regulation of the fetal hemoglobin genes to unravel a novel therapeutic approach for β^0 -hemoglobinopathies. *Nucleic acids research*, 53(13).

Hali S, et al. (2025) Differentiation Defect Into GABAergic Neurons in Cerebral Organoids From Autism Patients. *CNS neuroscience & therapeutics*, 31(6), e70449.

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.

Qian W, et al. (2025) Selective identification of epigenetic regulators at methylated genomic sites by SelectID. *Nature communications*, 16(1), 3709.

Hara S, et al. (2025) Identification of maternal allele sequences of IG-DMR that are essential for neonatal viability. *PloS one*, 20(5), e0324882.

Tomczak K, et al. (2025) Plasma DNA Methylation-Based Biomarkers for MPNST Detection in Patients With Neurofibromatosis Type 1. *Molecular carcinogenesis*, 64(1), 44.

Rong M, et al. (2025) CpG site methylation regulates mouse Rec8 gene promoter activity. *The Journal of reproduction and development*, 71(3), 145.

Zhang YY, et al. (2025) Unlocking the potential of TIGIT in enhancing therapeutic strategies for acute myeloid leukemia through combined azacitidine therapy. *NPJ precision oncology*, 9(1), 142.

Han D, et al. (2025) Multipotent neural stem cells originating from neuroepithelium exist outside the mouse central nervous system. *Nature cell biology*, 27(4), 605.

Motosugi N, et al. (2025) Highly efficient XIST reactivation in female hPSC by transient dual inhibition of TP53 and DNA methylation during Cas9 mediated genome editing. *Stem cell research & therapy*, 16(1), 389.

Gibson EF, et al. (2025) Prolonged fasting and glucocorticoid exposure drive dynamic DNA methylation in northern elephant seals. *The Journal of experimental biology*, 228(15).

Gaggi G, et al. (2025) Small activating RNA AW1-51 (CEBPA-51) elicits targeted DNA demethylation to promote gene activation. *bioRxiv : the preprint server for biology*.

de Oliveira Leme L, et al. (2025) Reduction of nutrients concentration in culture medium has no effect on bovine embryo production, pregnancy and birth rates. *Scientific reports*, 15(1), 4839.

Jiang C, et al. (2025) NR4A1 suppresses breast cancer growth by repressing c-Fos-mediated lipid and redox dyshomeostasis. *Experimental & molecular medicine*, 57(4), 804.

Chen D, et al. (2025) DNA Methylation Mediates the Transcription of STAT4 to Regulate KISS1 During Follicular Development. *Cells*, 14(7).

Lei J, et al. (2025) Gestational glucocorticoid exposure impaired endothelial nitric oxide synthesis via downregulating IP3 receptor 3 expression in male offspring vessels. *Journal of hypertension*, 43(8), 1423.