Resource Summary Report

Generated by kravitz2 on Sep 5, 2026

SICER

RRID:SCR_010843
Type: Tool

Proper Citation

SICER (RRID:SCR_010843)

Resource Information

URL: http://home.gwu.edu/~wpeng/Software.htm

Proper Citation: SICER (RRID:SCR_010843)

Description: A clustering software package for identification of enriched domains from histone modification ChIP-Seq data.

Abbreviations: SICER

Synonyms: SICER: A clustering approach for identification of enriched domains from histone modification ChIP-Seq data

Resource Type: software resource

Defining Citation: PMID:19505939

Keywords: python, bio.tools

Resource Name: SICER

Resource ID: SCR_010843

Alternate IDs: biotools:sicer, OMICS_00461

Alternate URLs: https://bio.tools/sicer

Record Creation Time: 20220129T080301+0000

Record Last Update: 20260903T235037+0000

Ratings and Alerts

No rating or validation information has been found for SICER.

No alerts have been found for SICER.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 420 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Sun Z, et al. (2026) Constitutive AMPK activation prevents hepatocellular carcinoma development through inhibition of HNF4?? activity. Science advances, 12(15), eaea8017.

Coradin M, et al. (2026) Cleavage of histone H2A during embryonic stem cell differentiation destabilizes nucleosomes to counteract gene activation. The Journal of biological chemistry, 302(6), 111437.

Tang W, et al. (2026) Rbm25 governs embryonic stem cell identity and fate through transcriptional regulation of pluripotency and epigenetic programs. Stem cell reports, 21(1), 102748.

Wu J, et al. (2026) H3K4me1 directs H3K36me2 and H3K36me3 deposition in land plants. Nature communications, 17(1).

Artes MH, et al. (2026) Epigenetic regulation of serine biosynthesis by PHF8 during neurogenesis. EMBO reports, 27(6), 1540.

Chen Q, et al. (2026) ADNP missense variant p.C687R disrupts chromatin regulation and GABAergic differentiation in Helsmoortel-Van der Aa syndrome. Molecular autism, 17(1).

Amaral ML, et al. (2026) Single-cell epigenomics uncovers heterochromatin instability and transcription factor dysfunction during mouse brain aging. Cell reports, 45(3), 117073.

Geng R, et al. (2026) Stable maintenance of MERVL-positive embryonic stem cells reveals sustained transcriptional programs and enhancer remodeling. The Journal of biological chemistry, 302(7), 113166.

Price JDW, et al. (2026) Epigenetic control of telomeric RNA maintains heterochromatin in telomerase-driven cancers. Signal transduction and targeted therapy, 11(1).

Barajas JM, et al. (2026) Tandem Duplications in UBTF Create XPO1-Dependent Nuclear Export Signals that Reveal a Leukemic Therapeutic Dependency. Blood cancer discovery, 7(1), 51.

Hsu KW, et al. (2026) Scaffolding of the H4K5ac chromatin remodeling complex by lncRNA MAHAC mediates epithelial-mesenchymal transition. Nucleic acids research, 54(4).

Zhang J, et al. (2025) Histone methyltransferases MLL2 and SETD1A/B play distinct roles in H3K4me3 deposition during the transition from totipotency to pluripotency. The EMBO journal, 44(2), 437.

Luo L, et al. (2025) PRC1-Mediated H2Aub Loop Formation and Function in Arabidopsis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(35), e04377.

Klenja-Skudrinja D, et al. (2025) Identification of a BACH1 lung cancer signature: A novel tool for understanding BACH1 biology and identifying new inhibitors. Redox biology, 85, 103789.

Kosmara D, et al. (2025) The sex-biased chromatin modifier SMC1A promotes autoimmunity by shaping inflammatory pathways in patients with SLE. Nature communications, 16(1), 10350.

Colando S, et al. (2025) Selecting ChIP-seq normalization methods from the perspective of their technical conditions. Briefings in bioinformatics, 26(4).

Umeda M, et al. (2025) Fusion oncoproteins and cooperating mutations define disease phenotypes in NUP98-rearranged leukemia. medRxiv : the preprint server for health sciences.

Perrella G, et al. (2025) TANDEM ZINC-FINGER/PLUS3 integrates light signaling and flowering regulatory pathways at the chromatin level. The New phytologist, 247(2), 706.

Wolf van der Meer J, et al. (2025) Hao-Fountain syndrome protein USP7 controls neuronal differentiation via BCOR-ncPRC1.1. Genes & development, 39(5-6), 401.

Otsuka N, et al. (2025) Small molecules and heat treatments reverse vernalization via epigenetic modification in Arabidopsis. Communications biology, 8(1), 108.