# **Resource Summary Report**

Generated by dkNET on May 18, 2025

# **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

**Funding:** 

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: 20250420T014511+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 394 mentions in open access literature.

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

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.

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

Rupasinghe M, et al. (2024) PRAMEL7 and CUL2 decrease NuRD stability to establish ground-state pluripotency. EMBO reports, 25(3), 1453.

Ohnezeit D, et al. (2024) Merkel cell polyomavirus small tumor antigen contributes to immune evasion by interfering with type I interferon signaling. PLoS pathogens, 20(8), e1012426.

Du K, et al. (2024) The chromatin remodeling factor OsINO80 promotes H3K27me3 and H3K9me2 deposition and maintains TE silencing in rice. Nature communications, 15(1), 10919.

Barajas JM, et al. (2024) Acute myeloid leukemias with UBTF tandem duplications are sensitive to menin inhibitors. Blood, 143(7), 619.

Wang Y, et al. (2024) Characterization of the CsCENH3 protein and centromeric DNA profiles reveal the structures of centromeres in cucumber. Horticulture research, 11(7), uhae127.

Patra M, et al. (2024) Senescence of human pancreatic beta cells enhances functional maturation through chromatin reorganization and promotes interferon responsiveness. Nucleic acids research, 52(11), 6298.

Parker HG, et al. (2024) Genome-wide analyses reveals an association between invasive urothelial carcinoma in the Shetland sheepdog and NIPAL1. NPJ precision oncology, 8(1),

Vidal R, et al. (2024) Association with TFIIIC limits MYCN localisation in hubs of active promoters and chromatin accumulation of non-phosphorylated RNA polymerase II. eLife, 13.

Keller PJ, et al. (2024) Comprehensive Target Engagement by the EZH2 Inhibitor Tulmimetostat Allows for Targeting of ARID1A Mutant Cancers. Cancer research, 84(15), 2501.

Chang X, et al. (2024) High-quality Gossypium hirsutum and Gossypium barbadense genome assemblies reveal the landscape and evolution of centromeres. Plant communications, 5(2), 100722.

Salinas-Pena M, et al. (2024) Genomic profiling of six human somatic histone H1 variants denotes that H1X accumulates at recently incorporated transposable elements. Nucleic acids research, 52(4), 1793.

Liang Y, et al. (2024) DNA Damage Atlas: an atlas of DNA damage and repair. Nucleic acids research, 52(D1), D1218.

Slamecka J, et al. (2024) Highly efficient generation of self-renewing trophoblast from human pluripotent stem cells. iScience, 27(10), 110874.

Lai JC, et al. (2024) Interrogation of the interplay between DNA N6-methyladenosine (6mA) and hypoxia-induced chromatin accessibility by a randomized empirical model (EnrichShuf). Nucleic acids research, 52(22), 13605.

Tian M, et al. (2024) Integrative analysis of DNA replication origins and ORC-/MCM-binding sites in human cells reveals a lack of overlap. eLife, 12.

Veneti Z, et al. (2024) Polycomb-mediated silencing of miR-8 is required for maintenance of intestinal stemness in Drosophila melanogaster. Nature communications, 15(1), 1924.

Di Carlantonio E, et al. (2024) Official controls on the distance sale of dairy products in the territory of the Modena Local Competent Authority: an analysis of websites. Italian journal of food safety, 13(2), 12241.

Fracassi C, et al. (2024) PML is a constitutive component of chromatin domains enriched in repetitive elements and duplicated gene clusters in cancer cells. Heliyon, 10(17), e36499.