

Resource Summary Report

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Atac

RRID:SCR_015980

Type: Tool

Proper Citation

Atac (RRID:SCR_015980)

Resource Information

URL: <http://kmer.sourceforge.net>

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Description: Alignment analysis software tool for comparative mapping between two genome assemblies or between two different genomes. It can cache intermediate results to speed a comparisons of multiple sequences.

Resource Type: data processing software, image analysis software, software application, alignment software, data analysis software, sequence analysis software, software resource

Defining Citation: [DOI:10.1093/bioinformatics/btr285](https://doi.org/10.1093/bioinformatics/btr285)

Keywords: software, tool, DNA, sequence, analysis, aligning, genome, compare, mapping, assembly, bio.tools

Availability: Free, Freely available, Available for download

Resource Name: Atac

Resource ID: SCR_015980

Alternate IDs: OMICS_29044, biotools:atac

Alternate URLs: <https://bio.tools/atac>, <https://sources.debian.org/src/atac/>

License: GNU General Public License version 2.0 (GPLv2)

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260806T054631+0000

Ratings and Alerts

No rating or validation information has been found for Atac.

No alerts have been found for Atac.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1748 mentions in open access literature.

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

Burgos-Ruiz AM, et al. (2026) A single-cell multiomics roadmap of zebrafish spermatogenesis reveals regulatory principles of male germline formation. *Molecular systems biology*, 22(1), 42.

Li JJ, et al. (2026) NSD2 targeting reverses plasticity and drug resistance in prostate cancer. *Nature*, 649(8095), 216.

Zhang G, et al. (2026) Spatial Reorganization of Chromatin Architecture Shapes the Expression Phenotype of Therapy-Induced Senescent Cells. *Aging cell*, 25(1), e70366.

Shi C, et al. (2026) Enhancer Rewiring Orchestrates Inflammation and Loss of Cell Identity During Muscle Stem Cell Aging. *Aging cell*, 25(1), e70289.

Yeki S, et al. (2026) Sex-Specific doublesex Regulation Targeting the Color-Patterning Gene *h* Underlies the Evolution of Wing Sexual Dimorphism in the Harlequin Ladybug *Harmonia axyridis*. *Evolution & development*, 28(1), e70028.

Zou Z, et al. (2025) The Jbs-5YP peptide can alleviate dementia in senile mice by restoring the transcription of *Slc40a1* to secrete the excessive iron from brain. *Journal of advanced research*, 69, 51.

Pacalin NM, et al. (2025) Bidirectional epigenetic editing reveals hierarchies in gene regulation. *Nature biotechnology*, 43(3), 355.

Metzner E, et al. (2025) Multiome Perturb-seq unlocks scalable discovery of integrated perturbation effects on the transcriptome and epigenome. *Cell systems*, 16(1), 101161.

Sun L, et al. (2025) BRD8 Guards the Pluripotent State by Sensing and Maintaining Histone Acetylation. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(5), e2409160.

Chi WY, et al. (2025) Single-cell mapping of regulatory DNA:Protein interactions. *bioRxiv* : the preprint server for biology.

Hu Y, et al. (2025) Multiscale footprints reveal the organization of cis-regulatory elements. *Nature*, 638(8051), 779.

Li Y, et al. (2025) MetaQ: fast, scalable and accurate metacell inference via single-cell quantization. *Nature communications*, 16(1), 1205.

Kandror EK, et al. (2025) Enhancer Dynamics and Spatial Organization Drive Anatomically Restricted Cellular States in the Human Spinal Cord. *bioRxiv : the preprint server for biology*.

Liu Y, et al. (2025) iDog: a multi-omics resource for canids study. *Nucleic acids research*, 53(D1), D1039.

Takao T, et al. (2025) Maternal asthma imprints fetal lung ILC2s via glucocorticoid signaling leading to worsened allergic airway inflammation in murine adult offspring. *Nature communications*, 16(1), 631.

Li X, et al. (2025) Immunoregulatory programs in anti-N-methyl-D-aspartate receptor encephalitis identified by single-cell multi-omics analysis. *Clinical and translational medicine*, 15(1), e70173.

Wiechens E, et al. (2025) Gene regulation by convergent promoters. *Nature genetics*, 57(1), 206.

Liu H, et al. (2025) Aging alters the effect of adiponectin receptor signaling on bone marrow-derived mesenchymal stem cells. *Aging cell*, 24(2), e14390.

Li SH, et al. (2025) Skin regional specification and higher-order HoxC regulation. *Science advances*, 11(12), eado2223.

Chandra NA, et al. (2025) Refining the cis-regulatory grammar learned by sequence-to-activity models by increasing model resolution. *bioRxiv : the preprint server for biology*.