

Resource Summary Report

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Systems Transcriptional Activity Reconstruction

RRID:SCR_005622

Type: Tool

Proper Citation

Systems Transcriptional Activity Reconstruction (RRID:SCR_005622)

Resource Information

URL: <http://tabit.ucsd.edu/sdec/>

Proper Citation: Systems Transcriptional Activity Reconstruction (RRID:SCR_005622)

Description: A next-generation web-based application that aims to provide an integrated solution for both visualization and analysis of deep-sequencing data, along with simple access to public datasets.

Abbreviations: STAR

Synonyms: Systems Transcriptional Activity Reconstruction Genome Browser, Systems Transcriptional Activity Reconstruction, STAR Genome Browser

Resource Type: service resource, database, data or information resource

Keywords: genome browser, genome, next generation sequence, visualization, FASEB list

Availability: Account required, Or Guest login

Resource Name: Systems Transcriptional Activity Reconstruction

Resource ID: SCR_005622

Alternate IDs: OMICS_00895

Record Creation Time: 20220129T080231+0000

Record Last Update: 20260728T043219+0000

Ratings and Alerts

No rating or validation information has been found for Systems Transcriptional Activity Reconstruction.

No alerts have been found for Systems Transcriptional Activity Reconstruction.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6475 mentions in open access literature.

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

Liu F, et al. (2025) TAF1 is required for fetal but not adult hematopoiesis in mice. Developmental cell.

Hou Z, et al. (2025) Tertiary lymphoid structure-related RNA indicator as metastasis risk factor in nasopharyngeal carcinoma. Clinical and translational medicine, 15(12), e70539.

Wang T, et al. (2025) Multiomics analysis provides insights into musk secretion in muskrat and musk deer. GigaScience, 14.

Yang S, et al. (2025) LTA4H improves the tumor microenvironment and prevents HCC progression via targeting the HNRNPA1/LTBP1/TGF- β axis. Cell reports. Medicine, 6(3), 102000.

Gebru MT, et al. (2025) Loss of UXS1 Selectively Depletes Pyrimidines and Induces Replication Stress in KEAP1-Mutant Lung Cancer. Cancer research, 85(23), 4806.

Mokhtari A, et al. (2025) Using multiomic integration to improve blood biomarkers of major depressive disorder: a case-control study. EBioMedicine, 113, 105569.

Siu LL, et al. (2025) AZD8701, an Antisense Oligonucleotide Targeting FOXP3 mRNA, as Monotherapy and in Combination with Durvalumab: A Phase I Trial in Patients with Advanced Solid Tumors. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(8), 1449.

Scheurlen KM, et al. (2025) Itaconate and obesity-related hormones promote tumor progression - new insights on metabolic dysfunction in early-onset colon cancer. Frontiers in immunology, 16, 1572985.

Zhang F, et al. (2025) The ESCRT protein CHMP5 restricts bone formation by controlling endolysosome-mitochondrion-mediated cell senescence. eLife, 13.

Kudo-Saito C, et al. (2025) IL33-ST2 axis is a predictive biomarker for anti-PD1 therapeutic efficacy in advanced gastric cancer. Journal of translational medicine, 23(1), 1125.

Jamal T, et al. (2024) Experience-dependent regulation of dopaminergic signaling in the somatosensory cortex. *Progress in neurobiology*, 239, 102630.

Sun N, et al. (2024) Establishing a 3D culture system for early organogenesis of monkey embryos ex vivo and single-cell transcriptome analysis of cultured embryos. *STAR protocols*, 5(1), 102835.

Dibra D, et al. (2024) Mutant p53 protects triple-negative breast adenocarcinomas from ferroptosis in vivo. *Science advances*, 10(7), eadk1835.

Lancaster MS, et al. (2023) Loss of succinyl-CoA synthetase in mouse forebrain results in hypersuccinylation with perturbed neuronal transcription and metabolism. *Cell reports*, 42(10), 113241.

Podmore L, et al. (2023) Insulin receptor loss impairs mammary tumorigenesis in mice. *Cell reports*, 42(11), 113251.

Hsieh YP, et al. (2022) Single-Cell RNA Sequencing Analysis for Oncogenic Mechanisms Underlying Oral Squamous Cell Carcinoma Carcinogenesis with *Candida albicans* Infection. *International journal of molecular sciences*, 23(9).

Ta AC, et al. (2022) Temporal and spatial transcriptomic dynamics across brain development in *Xenopus laevis* tadpoles. *G3 (Bethesda, Md.)*, 12(1).

Monticolo F, et al. (2021) Translation machinery reprogramming in programmed cell death in *Saccharomyces cerevisiae*. *Cell death discovery*, 7(1), 17.

Wang W, et al. (2021) Multiregion single-cell sequencing reveals the transcriptional landscape of the immune microenvironment of colorectal cancer. *Clinical and translational medicine*, 11(1), e253.

Chen LP, et al. (2021) Model-based forecasting for Canadian COVID-19 data. *PloS one*, 16(1), e0244536.