

Resource Summary Report

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ROSE

RRID:SCR_017390

Type: Tool

Proper Citation

ROSE (RRID:SCR_017390)

Resource Information

URL: http://younglab.wi.mit.edu/super_enhancer_code.html

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Description: To create stitched enhancers, and to separate super enhancers from typical enhancers using sequencing data given file of previously identified constituent enhancers .

Abbreviations: ROSE

Synonyms: Rank Ordering of Super Enhancers, RANK ORDERING OF SUPER-ENHANCERS

Resource Type: data processing software, software application, software resource

Keywords: Stitched, enhancer, separate, super, sequencing, data, file, identified, previously, constituent

Availability: Free, Freely available

Resource Name: ROSE

Resource ID: SCR_017390

License: MIT X11 License

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260829T182858+0000

Ratings and Alerts

No rating or validation information has been found for ROSE.

No alerts have been found for ROSE.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 72 mentions in open access literature.

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

Huang J, et al. (2026) Redistribution of super-enhancers promotes malignancy in human hepatocellular carcinoma. *Journal of advanced research*, 82, 803.

L??pez-Fuentes E, et al. (2026) Epigenetic and Transcriptional Programs Define Osteosarcoma Subtypes and Establish Targetable Vulnerabilities. *Cancer discovery*, 16(2), 296.

Sato K, et al. (2026) Aberrant Hippo-YAP/TEAD Signaling Drives Malignant Transcriptional Reprogramming in External Auditory Canal Squamous Cell Carcinoma. *Cancer research communications*, 6(2), 260.

Huang Z, et al. (2026) SMCHD1 loss re-wires MYOD1 enhancer nexuses and chromatin accessibility landscapes in muscle cells. *bioRxiv : the preprint server for biology*.

Kaur H, et al. (2026) Dynamicity of Topoisomerase 1 binding at super-enhancers regulates TLR-responsive gene expression program in macrophages. *Cell reports*, 45(7), 117604.

Choubey P, et al. (2026) Cohesin complex cooperates with PU.1 at super-enhancers to regulate the differentiation and identity of conventional dendritic cells. *Cell reports*, 45(5), 117331.

Lu X, et al. (2025) Super-enhancers in hepatocellular carcinoma: regulatory mechanism and therapeutic targets. *Cancer cell international*, 25(1), 7.

Renatino Canevarolo R, et al. (2025) Epigenetic Plasticity Drives Carcinogenesis and Multi-Therapy Resistance in Multiple Myeloma. *Research square*.

Zamuner FT, et al. (2025) Epigenetic profiling reveals key super-enhancer networks driving oncogenesis in HPV-positive HNSCC. *iScience*, 28(11), 113911.

Wang A, et al. (2025) A novel super-enhancer-driven lncRNA LINC00973 governs head and neck squamous cell carcinoma progression through EN2. *Cell death & disease*, 17(1), 111.

Lang JD, et al. (2025) Super-enhancers and efficacy of triptolide in small cell carcinoma of the ovary hypercalcemic type. *iScience*, 28(2), 111770.

Koutsi MA, et al. (2025) An evolutionarily conserved constellation of functional cis-elements programs the virus-responsive fate of the human (epi)genome. *Nucleic acids research*, 53(6).

Cigrang M, et al. (2025) Pan-inhibition of super-enhancer-driven oncogenic transcription by next-generation synthetic ecteinascidins yields potent anti-cancer activity. *Nature communications*, 16(1), 512.

Likasitwatanakul P, et al. (2025) Chemical Perturbations Impacting Histone Acetylation Govern Colorectal Cancer Differentiation. *Gastroenterology*.

Kaufman ME, et al. (2024) Characterizing Relationships between T-cell Inflammation and Outcomes in Patients with High-Risk Neuroblastoma According to Mesenchymal and Adrenergic Signatures. *Cancer research communications*, 4(8), 2255.

Chan S, et al. (2024) Differential Regulation of Male-Hormones-Related Enhancers Revealed by Chromatin Accessibility and Transcriptional Profiles in Pig Liver. *Biomolecules*, 14(4).

Prutsch N, et al. (2024) STAT3 couples activated tyrosine kinase signaling to the oncogenic core transcriptional regulatory circuitry of anaplastic large cell lymphoma. *Cell reports. Medicine*, 5(3), 101472.

Obinata D, et al. (2024) Patient-derived castration-resistant prostate cancer model revealed CTBP2 upregulation mediated by OCT1 and androgen receptor. *BMC cancer*, 24(1), 554.

Likasitwatanakul P, et al. (2024) Chemical perturbations impacting histone acetylation govern colorectal cancer differentiation. *bioRxiv : the preprint server for biology*.

Weng Y, et al. (2024) Zfp260 choreographs the early stage osteo-lineage commitment of skeletal stem cells. *Nature communications*, 15(1), 10186.