

Resource Summary Report

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UCSC Genome Browser

RRID:SCR_005780

Type: Tool

Proper Citation

UCSC Genome Browser (RRID:SCR_005780)

Resource Information

URL: <http://genome.ucsc.edu/>

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Description: Portal to interactively visualize genomic data. Provides reference sequences and working draft assemblies for collection of genomes and access to ENCODE and Neanderthal projects. Includes collection of vertebrate and model organism assemblies and annotations, along with suite of tools for viewing, analyzing and downloading data.

Synonyms: The Human Genome Browser at UCSC, UCSC Genome Browser Group, University of California at Santa Cruz Genome Browser, UCSC Genome Bioinformatics

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

Defining Citation: [PMID:12045153](#), [PMID:22908213](#), [PMID:23155063](#)

Keywords: Reference, sequence, assembly, collection, genome, visualize, genomic, data, ENCODE, Neanderthal, project, sequencing

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Resource Name: UCSC Genome Browser

Resource ID: SCR_005780

Alternate IDs: OMICS_00926, SCR_017502, nif-0000-03603, SciEx_217, SCR_012479, r3d100010243

Alternate URLs: <http://genome.cse.ucsc.edu>, <https://doi.org/10.17616/R3RK5C>

License URLs: <http://genome.cse.ucsc.edu/conditions.html>

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Ratings and Alerts

- Used for genome assembly by the Human Islet Research Network community. Contact(s): [Golnaz Vahedi](#), [Klaus Kaestner](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for UCSC Genome Browser.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10026 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Rhodehouse K, et al. (2026) Dynamics of natural and pharmacologic control of an SIV variant with an envelope trafficking defect. The Journal of experimental medicine, 223(2).

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.

Winkler PA, et al. (2026) Mapping the locus for ocular melanosis in Cairn Terriers. Veterinary ophthalmology, 29(1), e13291.

Yang LP, et al. (2026) Targeted methylation of cg24067911 suppresses colorectal cancer metastasis through BCL6-ATXN1-CDH1 axis. Oncogene, 45(2), 295.

Shen M, et al. (2026) H3K9 acetylation-dependent CHAC1 transcription in dihydroartemisinin-induced hepatic stellate cell ferroptosis. Chinese medical journal, 139(1), 93.

Liu L, et al. (2026) Serine/threonine kinase 32 family proteins: The potential multifaceted regulators in cancer. Translational oncology, 63, 102608.

Esposito DV, et al. (2026) A non-coding ABO regulatory variant associated with VWF levels, thrombosis risk, and COVID-19 severity is topologically linked to ADAMTS13 in endothelial cells. *HGG advances*, 7(1), 100550.

Kama Y, et al. (2026) Notch interaction with RUNX factors regulates initiation of the T-lineage program. *The Journal of experimental medicine*, 223(2).

Xiao L, et al. (2026) TWEAK modulates the characteristics of periodontal ligament stem cells via the Fn14/NF- κ B pathway. *International journal of molecular medicine*, 57(1).

Li M, et al. (2026) The novel endogenous micropeptide XLH-36 binds Gemin4 to promote triple-negative breast cancer metastasis. *Oncogene*, 45(2), 264.

Zhang X, et al. (2026) Histone modification-regulated LncRNA DLEU1 interacts with ASCC2/ALKBH3 complex to drive DNA repair, antioxidant homeostasis and glucose metabolism in gastric cancer. *Biomarker research*, 14(1), 1.

Lee S, et al. (2025) A tumor necrosis factor- α -responsive cryptic promoter drives overexpression of the human endogenous retrovirus ERVK-7. *The Journal of biological chemistry*, 301(6), 108568.

Mahat DB, et al. (2025) Mutant p53 exploits enhancers to elevate immunosuppressive chemokine expression and impair immune checkpoint inhibitors in pancreatic cancer. *Immunity*, 58(7), 1688.

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

Mashaal A, et al. (2025) Computer-aided molecular and biological-immune modeling of illicium verum bioactive compounds employing the Egyptian Nile snail *Biomphalaria alexandrina* as a paradigm. *Journal of computer-aided molecular design*, 39(1), 33.

Hallberg D, et al. (2025) Genomic Landscapes of Endometrioid and Mucinous Ovarian Cancers and Morphologically Similar Tumor Types. *Cancer research communications*, 5(11), 1952.

Zahavi EE, et al. (2025) Repeat-element RNAs integrate a neuronal growth circuit. *Cell*, 188(16), 4350.

Kabbani LES, et al. (2025) IGF2BP3 remodels the microRNA targeting landscape in MLL-AF4 leukemia. *bioRxiv : the preprint server for biology*.

Ciccone MF, et al. (2025) Loss of BPTF restores estrogen response and suppresses metastasis of mammary tumors. *Nature communications*, 16(1), 9168.

Arthur TD, et al. (2025) Multiomic QTL mapping reveals phenotypic complexity of GWAS loci and prioritizes putative causal variants. *Cell genomics*, 5(3), 100775.