

# Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

## BLAT

RRID:SCR\_011919

Type: Tool

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### Proper Citation

BLAT (RRID:SCR\_011919)

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### Resource Information

**URL:** <http://genome.ucsc.edu/cgi-bin/hgBlat?command=start>

**Proper Citation:** BLAT (RRID:SCR\_011919)

**Description:** Software designed to quickly find sequences of 95% and greater similarity of length 25 bases or more.

**Abbreviations:** BLAT

**Resource Type:** software resource

**Keywords:** bio.tools

**Resource Name:** BLAT

**Resource ID:** SCR\_011919

**Alternate IDs:** biotools:blat, OMICS\_01434

**Alternate URLs:** <https://bio.tools/blat>

**Record Creation Time:** 20220129T080307+0000

**Record Last Update:** 20260808T185937+0000

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### Ratings and Alerts

No rating or validation information has been found for BLAT.

No alerts have been found for BLAT.

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### Data and Source Information

## Usage and Citation Metrics

We found 3808 mentions in open access literature.

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

Adami A, et al. (2026) Protocol for efficient CRISPRi-mediated silencing of retrotransposons in human pluripotent stem cells. STAR protocols, 7(1), 104398.

Bjornson S, et al. (2026) Stepwise evolutionary transitions in Cladophorales plastid genomes reveal origins of hairpin chromosomes. Current biology : CB, 36(7), 1659.

Poulain F, et al. (2026) Clonal origin and early lineage divergence in adenosquamous carcinoma. Cell reports, 45(6), 117470.

Ren W, et al. (2026) A Murine Database of Structural Variants Identifies A Candidate Gene for a Spontaneous Murine Lymphoma Model. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(17), e22890.

Robinson BR, et al. (2026) Acute testicular hyperthermia leads to rapid loss of global piRNA and a concurrent increase in LINE1 activity within heat sensitive male germ cells. Mobile DNA, 17(1), 7.

Mackey AI, et al. (2026) Temperature and genetic background drive mobilization of diverse transposable elements in a global human fungal pathogen. PLoS genetics, 22(1), e1011979.

Pan X, et al. (2026) Multi-Tissue Genetic Regulation of RNA Editing in Pigs. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(17), e18238.

Huang AY, et al. (2026) Accurate detection of somatic single-nucleotide variants from bulk RNA-seq data using RNA-MosaicHunter. Nucleic acids research, 54(1).

Anwar M, et al. (2026) Human Left Ventricle circRNA-miRNA-mRNA Network Analyses Reveal a Novel Proangiogenic Role for circNPHP1 Under Ischemic Conditions. JACC. Basic to translational science, 11(2), 101468.

Comerford M, et al. (2026) Mapping the gene regulatory landscape of archaic hominin introgression in modern Papuans. PLoS genetics, 22(3), e1012067.

Christinaki AC, et al. (2026) Cladobotryum rhodochroum sp. nov. (Hypocreales, Ascomycota): A New Fungicolous Species Revealed by Morphology, Phylogeny, and Comparative Genomics. Journal of fungi (Basel, Switzerland), 12(2).

Wang Z, et al. (2026) Low prevalence of GCK gene mutations in Chinese patients with gestational diabetes mellitus. Clinics (Sao Paulo, Brazil), 81, 100889.

Ma Q, et al. (2026) The pan-genome provides insights into evolutionary dynamics and fatty acid metabolism in Aceraceae family. Genome biology, 27(1).

Tulloch AJ, et al. (2026) Massively parallel reporter assay for mapping gene-specific regulatory regions at single-nucleotide resolution. *eLife*, 14.

Scimone ML, et al. (2026) Single-cell transcriptomics and RNAi screening define a hierarchical program of planarian eye regeneration. *Cell reports*, 45(4), 117245.

Bird KA, et al. (2026) Structure and sequence evolution in the pennycress (*Thlaspi arvense*) pangenome. *The New phytologist*, 250(5), 2723.

Wu D, et al. (2026) Generative modeling for RNA splicing prediction and design. *eLife*, 14.

Hallast P, et al. (2026) Population-scale Y chromosome assemblies reveal recurrent remodeling within constrained architectures. *bioRxiv : the preprint server for biology*.

Dudragne L, et al. (2026) Diversity and Distribution of the Subtelomeric Y' Elements Across *Saccharomyces cerevisiae* Strains. *Genome biology and evolution*, 18(5).

Blokzijl R, et al. (2026) Using Nuclear Genomic Data to Address Intractable Relationships and Gene Tree Discordance in an Ancient Group of Gymnosperms (*Ephedra*, Gnetales). *Ecology and evolution*, 16(7), e73863.