

Resource Summary Report

Generated by ASWG on Aug 3, 2026

BLAT

RRID:SCR_011919

Type: Tool

Proper Citation

BLAT (RRID:SCR_011919)

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: 20260801T190431+0000

Ratings and Alerts

No rating or validation information has been found for BLAT.

No alerts have been found for BLAT.

Data and Source Information

Usage and Citation Metrics

We found 3720 mentions in open access literature.

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

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

Cannizzaro AG, et al. (2026) Brooding Phylogenomics: Target-Capture Probe Sets for the Analysis of Ultraconserved Elements in the Peracarida. *Molecular ecology resources*, 26(1), e70078.

Lee BR, et al. (2026) Induction of germ cell-like cells from deleted in azoospermia-like enhanced green fluorescent protein gene knock-in chicken somatic cells via transgenic expression of pluripotency and germ cell-specific transcription factors. *Animal bioscience*, 39(1), 250233.

Marks RA, et al. (2026) The architecture of resilience: a genome assembly of *Myrothamnus flabellifolia* sheds light on desiccation tolerance and sex determination. *The New phytologist*, 249(2), 1063.

Bian C, et al. (2025) Chromosome-level genome assemblies of five *Sinocyclocheilus* species. *GigaByte (Hong Kong, China)*, 2025, gigabyte155.

Qi Z, et al. (2025) Telomere-to-telomere genome assembly of *Electrophorus electricus* provides insights into the evolution of electric eels. *GigaScience*, 14.

Chen H, et al. (2025) Chromosome-level genome assembly of *Pinus massoniana* provides insights into conifer adaptive evolution. *GigaScience*, 14.

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

Chaudhary R, et al. (2025) Long-term Survival and Molecular Biomarker Evaluation of a Phase II Cetuximab and Nivolumab Clinical Trial in Recurrent/Metastatic Head and Neck Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*.

Andersen K, et al. (2025) Complex Genetic Evolution and Treatment Challenges in Myeloid Neoplasms: A Case of Persistent t(2;3)(p15~23;q26)/MECOM Rearrangement, SF3B1 Mutation, and Transient TNIP1::PDGFRB Chimera. *Cancer genomics & proteomics*, 22(1), 24.

Olson J, et al. (2025) Mating system of *Biomphalaria sudanica*, a vector of *Schistosoma mansoni*. *Current research in parasitology & vector-borne diseases*, 7, 100241.

Miciak JJ, et al. (2025) Robust p53 phenotypes and prospective downstream targets in telomerase-immortalized human cells. *Oncotarget*, 16, 79.

Beaulieu C, et al. (2025) The *Marchantia polymorpha* pangenome reveals ancient mechanisms of plant adaptation to the environment. *Nature genetics*, 57(3), 729.

Ali I, et al. (2025) Genetic variation in zona pellucida-3 (ZP3) gene and its association with litter size variation in Kari sheep. *Animal biotechnology*, 36(1), 2450364.

Gallo A, et al. (2025) Multiple Retrotransposon-mediated NF-YA Gene Duplication Events Recurred in Diverse Groups of Mammals at Different Ancestry Levels. *Genome biology and evolution*, 17(5).

Barr KA, et al. (2025) CrossFilt: A Cross-species Filtering Tool that Eliminates Alignment Bias in Comparative Genomics Studies. *bioRxiv : the preprint server for biology*.

Sun YS, et al. (2025) Convergent musk biosynthesis across host and microbiota in musk deer and muskrat. *Zoological research*, 46(3), 505.

Parra-Rivas LA, et al. (2025) Protocol for CRISPR-based manipulation and visualization of endogenous ??-synuclein in cultured mouse hippocampal neurons. *STAR protocols*, 6(3), 103945.

Smith DM, et al. (2025) HIV Integration into the PTEN Gene and Its Tumor Microenvironment Implications for Lung Cancer. *Current oncology (Toronto, Ont.)*, 32(7).

Lieser BC, et al. (2025) Gene model for the ortholog of Pi3K21B in *Drosophila eugracilis*. *bioRxiv : the preprint server for biology*.