

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

SAM format

RRID:SCR_012093

Type: Tool

Proper Citation

SAM format (RRID:SCR_012093)

Resource Information

URL: <http://samtools.sourceforge.net/>

Proper Citation: SAM format (RRID:SCR_012093)

Description: A generic alignment format for storing read alignments against reference sequences, supporting short and long reads (up to 128 Mbp) produced by different sequencing platforms.

Synonyms: Sequence Alignment/Map format

Resource Type: data or information resource, interchange format, narrative resource, standard specification

Defining Citation: [PMID:19505943](#)

Resource Name: SAM format

Resource ID: SCR_012093

Alternate IDs: OMICS_05115

Record Creation Time: 20220129T080308+0000

Record Last Update: 20260905T133003+0000

Ratings and Alerts

No rating or validation information has been found for SAM format.

No alerts have been found for SAM format.

Data and Source Information

Usage and Citation Metrics

We found 1274 mentions in open access literature.

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

Tsuji T, et al. (2026) Microglia Display Heterogeneous Initial Responses to Disseminated Tumor Cells. *Cancer research*, 86(6), 1414.

Chen H, et al. (2026) Novel dual regulatory roles of RpoA in quorum sensing regulation and social behavior switching in *Pseudomonas aeruginosa*. *mBio*, 17(5), e0003226.

Salvidge W, et al. (2026) Lineage priming and cell type proportioning depends on the interplay between stochastic and deterministic factors. *eLife*, 14.

Yadr?? Garcia CA, et al. (2026) Contrasting whole-genome diversity patterns and adaptation in honeybees from two southern European glacial refugia. *iScience*, 29(1), 114497.

Jiang X, et al. (2026) Maternal genetic structure and population affinities of the Sichuan Han Chinese based on whole mitochondrial genomes. *BMC genomics*, 27(1).

Chantarawaratit PO, et al. (2026) Correlation of RUNX2 Variants With Craniofacial-Dental Phenotypes in Cleidocranial Dysplasia. *Clinical and experimental dental research*, 12(2), e70351.

Hu Y, et al. (2026) Invasive patterns of *Biomphalaria straminea* revealed by genetic mapping in the Greater Bay Area, China. *Infectious diseases of poverty*, 15(1), 9.

Zhang S, et al. (2026) Genome-Wide Association Study Suggests *rrp44* Is a Key Regulator of Growth Traits in Channel Catfish (*Ictalurus punctatus*). *Current issues in molecular biology*, 48(4).

Li ML, et al. (2026) G4-Ligand-Directed PROTACs Unveil DR1 as a Novel Ligand-Co-Binding G4-Protein and Reshape G4-Dependent Transcription. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(27), e23819.

Kubo S, et al. (2026) Characterization of fucoxanthin-deficient strains in the haptophyte *Tisochrysis lutea* induced by heavy-ion beam irradiation. *Plant & cell physiology*, 67(3), 265.

Jiang Z, et al. (2026) Clinical and Genetic Characteristics of a Chinese Occult Maculopathy Cohort. *Translational vision science & technology*, 15(3), 32.

Nneji LM, et al. (2026) First Chromosome-level Genome Assembly and Annotation of an Endangered Freshwater Stingray (*Fontitrygon garouaensis*) from Africa. *Scientific data*, 13(1).

Zhou W, et al. (2026) Novel compound heterozygous mutations in KLHL24-induced recessive inherited hypertrophic cardiomyopathy: a case report. *Frontiers in cardiovascular medicine*, 13, 1771424.

Chen T, et al. (2025) Temporal dynamics, microdiversity, and ecological functions of viral communities during cyanobacterial blooms in Lake Taihu. *NPJ biofilms and microbiomes*, 11(1), 178.

Zhang M, et al. (2025) Telomere-to-telomere genome assembly uncovers Wolbachia-driven recurrent male bottleneck effect and selection in a sawfly. *Communications biology*, 8(1), 1211.

Zeng Y, et al. (2025) Mapping the chromothripsis landscape in urothelial carcinoma unravels great intratumoral and intertumoral heterogeneity. *iScience*, 28(1), 111510.

Li JS, et al. (2025) DNA methylation profiling at base-pair resolution reveals unique epigenetic features of early-onset colorectal cancer in underrepresented populations. *Clinical epigenetics*, 17(1), 11.

Lumbroso G, et al. (2025) The B-type cyclin Clb4 prevents meiosis I sister centromere separation in budding yeast. *G3 (Bethesda, Md.)*, 15(9).

Guo L, et al. (2025) Urinary and plasma donor-derived cell-free DNA for noninvasive monitoring of BK polyomavirus-associated nephropathy in kidney transplant recipients: a prospective cohort study. *Renal failure*, 47(1), 2521452.

Zhang T, et al. (2025) Low-coverage whole-genome sequencing for differentiating cervical cancer from cervical intraepithelial neoplasia and benign diseases. *Chromosome research : an international journal on the molecular, supramolecular and evolutionary aspects of chromosome biology*, 33(1), 12.