

Resource Summary Report

Generated by [NIF](#) on Aug 27, 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: 20260821T193950+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 [NIF](#) .

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.

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

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.

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.

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

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).

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.

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).

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.

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.

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).

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.

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.

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

Broad Z, et al. (2025) Gravitropic Gene Expression Divergence Associated With Adaptation to Contrasting Environments in an Australian Wildflower. *Molecular ecology*, 34(15), e17543.

Leko V, et al. (2025) Utilization of primary tumor samples for cancer neoantigen discovery. *Journal for immunotherapy of cancer*, 13(1).

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.