

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 17, 2026

[biobambam](#)

RRID:SCR_003308

Type: Tool

Proper Citation

biobambam (RRID:SCR_003308)

Resource Information

URL: <https://github.com/gt1/biobambam>

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Description: Software tools for read pair collation based algorithms on BAM files including * bamcollate2: reads BAM and writes BAM reordered such that alignment or collated by query name * bammarkduplicates: reads BAM and writes BAM with duplicate alignments marked using the BAM flags field * bammaskflags: reads BAM and writes BAM while masking (removing) bits from the flags column * bamrecompress: reads BAM and writes BAM with a defined compression setting. This tool is capable of multi-threading. * bamsort: reads BAM and writes BAM resorted by coordinates or query name * bamtofastq: reads BAM and writes FastQ; output can be collated or uncollated by query name

Resource Type: data processing software, software application, software resource

Defining Citation: [DOI:10.1186/1751-0473-9-13](https://doi.org/10.1186/1751-0473-9-13)

Keywords: standalone software, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: biobambam

Resource ID: SCR_003308

Alternate IDs: biotools:biobambam, OMICS_04664

Alternate URLs: <https://bio.tools/biobambam>,
<https://sources.debian.org/src/biobambam2/>

Record Creation Time: 20220129T080218+0000

Record Last Update: 20260912T200054+0000

Ratings and Alerts

No rating or validation information has been found for biobambam.

No alerts have been found for biobambam.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 65 mentions in open access literature.

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

Renner M, et al. (2026) Multi-layered molecular profiling informs the diagnosis and targeted therapy of desmoplastic small round cell tumor. Nature communications, 17(1).

Tamura Z, et al. (2026) Comparison of gene fusion detection algorithms reveals frequently overlooked driver fusions in hematologic malignancies. NPJ precision oncology, 10(1).

Friske JD, et al. (2026) A Conserved Enhancer Locus in Extrachromosomal DNA and Homogeneously Staining Regions Activates MYC Transcription in Group 3 Medulloblastoma. Cancer research, 86(13), 3160.

Roush SM, et al. (2026) Mutational profiling of HIV+ diffuse large B-cell lymphoma reveals distinct mutational features with evidence of genomic instability. AIDS (London, England), 40(6), 719.

Chang HY, et al. (2026) Uniform Processing of Diverse Sequencing Data: A Cross-Population Comparison of Colon Cancer Genomic Landscapes from The Cancer Genome Atlas and a Chinese Cohort. Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology, 35(5), 762.

Hung LH, et al. (2025) Harmonizing and integrating the NCI Genomic Data Commons through accessible, interactive, and cloud-enabled workflows. PloS one, 20(3), e0318676.

Patte C, et al. (2025) Comprehensive molecular portrait reveals genetic diversity and distinct molecular subtypes of small intestinal neuroendocrine tumors. Nature communications, 16(1), 2197.

Arthur TD, et al. (2025) IFN γ activates an immune-like regulatory network in the cardiac vascular endothelium. Journal of molecular and cellular cardiology plus, 11, 100289.

Elliott MJ, et al. (2025) Ultrasensitive Detection and Monitoring of Circulating Tumor DNA Using Structural Variants in Early-Stage Breast Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(8), 1520.

Beck S, et al. (2025) Immunogenomic profiles of HIV-associated classic Hodgkin lymphoma from Malawi. Blood global hematology, 1(3).

Trivedi M, et al. (2025) Historical Demography and Species Distribution Models Shed Light on Speciation in Primates of Northeast India. *Ecology and evolution*, 15(2), e70968.

Kim J, et al. (2025) Combinational regenerative inductive effect of bio-adhesive hybrid hydrogels conjugated with hiPSC-derived myofibers and its derived EVs for volumetric muscle regeneration. *Bioactive materials*, 43, 579.

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

Carrié H, et al. (2025) Comprehensive benchmarking of methods for mutation calling in circulating tumor DNA. *Nature communications*, 17(1), 1082.

Yoshizato T, et al. (2025) Stable clonal contribution of lineage-restricted stem cells to human hematopoiesis. *Nature genetics*, 57(12), 3088.

Tang Z, et al. (2024) Longitudinal integrative cell-free DNA analysis in gestational diabetes mellitus. *Cell reports. Medicine*, 5(8), 101660.

Smirnov P, et al. (2024) Multi-omic and single-cell profiling of chromothriptic medulloblastoma reveals genomic and transcriptomic consequences of genome instability. *Nature communications*, 15(1), 10183.

Fukumoto T, et al. (2024) Steroids-producing nodules: a two-layered adrenocortical nodular structure as a precursor lesion of cortisol-producing adenoma. *EBioMedicine*, 103, 105087.

Mentzer AJ, et al. (2024) High-resolution African HLA resource uncovers HLA-DRB1 expression effects underlying vaccine response. *Nature medicine*, 30(5), 1384.

Borowsky A, et al. (2024) Tumor microenvironmental determinants of high-risk DCIS progression. *Research square*.