

Resource Summary Report

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Picard

RRID:SCR_006525

Type: Tool

Proper Citation

Picard (RRID:SCR_006525)

Resource Information

URL: <http://broadinstitute.github.io/picard/>

Proper Citation: Picard (RRID:SCR_006525)

Description: Java toolset for working with next generation sequencing data in the BAM format.

Resource Type: source code, software toolkit, software resource

Keywords: next generation sequencing, java, bam

Availability: Available for download, Free

Resource Name: Picard

Resource ID: SCR_006525

Alternate IDs: OMICS_01066

Alternate URLs: <http://sourceforge.net/projects/picard/>,
<https://github.com/broadinstitute/picard>, <https://sources.debian.org/src/picard-tools/>

License: Apache License, v2, MIT License

Record Creation Time: 20220129T080236+0000

Record Last Update: 20260801T191147+0000

Ratings and Alerts

- Used for sequencing service by the Human Islet Research Network community.
Contact(s): [Golnaz Vahedi](#), [Klaus Kaestner](#) - Human Islets Research Network

No alerts have been found for Picard.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14139 mentions in open access literature.

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

Yang Q, et al. (2026) Molecular mechanism of resistance to Isoniazid conferred by mutations in the cysteine-rich region of respiratory syncytial virus fusion glycoprotein and discovery of a Isoniazid-derived antiviral PROTAC. *Journal of virology*, 100(1), e0148725.

Patel UA, et al. (2026) CRISPR Screen Identifies HDAC3 as a Novel Radiosensitizing Target in Small Cell Lung Cancer. *Molecular cancer therapeutics*, 25(1), 183.

Herbrich S, et al. (2026) TET2-mutant clonal hematopoiesis enhances macrophage antigen presentation and improves immune checkpoint therapy in solid tumors. *Cancer cell*, 44(1), 187.

Avanessian SC, et al. (2026) IL2/IL15 Signaling Induces NK Cell Production of FLT3LG, Augmenting Anti-PD-1 Immunotherapy. *Cancer immunology research*, 14(1), 122.

Cappadona C, et al. (2026) Multi-omics identifies oxidative stress, prothrombotic pathways, and lactoperoxidase variants as key factors in COVID-19 severity. *EBioMedicine*, 123, 106111.

Sankar V, et al. (2026) Genetic elements promote retention of extrachromosomal DNA in cancer cells. *Nature*, 649(8095), 152.

Huang X, et al. (2026) PMEL governs autosomal dominant inheritance of white-tail independent of yellow body plumage in chickens (*Gallus gallus domesticus*). *Poultry science*, 105(1), 106127.

Lazare S, et al. (2026) Postoperative Lymph Is a Proximal Source of ctDNA for Detection of Recurrence in HPV-Independent Head and Neck Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(1), 135.

Voisin C, et al. (2026) Spatiotemporal Diversification of Forest Understorey Species Reveals the Existence of Multiple Pleistocene Forest Refugia in Central Europe. *Molecular ecology*, 35(1), e70200.

Yeki S, et al. (2026) Sex-Specific doublesex Regulation Targeting the Color-Patterning Gene *h* Underlies the Evolution of Wing Sexual Dimorphism in the Harlequin Ladybug *Harmonia axyridis*. *Evolution & development*, 28(1), e70028.

- Mauksch C, et al. (2026) FACT depletion demonstrates a role for nucleosome organization in TAD formation. *Molecular systems biology*, 22(1), 119.
- Hua X, et al. (2026) Engineered T cell therapy for the treatment of cardiac fibrosis during chronic phase of myocarditis. *Theranostics*, 16(4), 2037.
- Parker K, et al. (2026) Diverse reference genomes detect variants in the US winter wheat. *The plant genome*, 19(1), e70160.
- Guellil M, et al. (2026) Tracing 2500 years of human betaherpesvirus 6A and 6B diversity through ancient DNA. *Science advances*, 12(1), eadx5460.
- Barr??a A, et al. (2026) Fine mapping and functional annotation of a QTL for resistance to tilapia lake virus in Nile tilapia (*Oreochromis niloticus*). *G3 (Bethesda, Md.)*, 16(1).
- Chow Z, et al. (2026) Colon cancer in Appalachian Kentucky: Unique genetic, microbiome and obesity findings in a cohort comparison. *HGG advances*, 7(1), 100527.
- Bang S, et al. (2026) A Growth-Coupled Evolutionary Strategy Enhances Heme Biosynthesis in *Saccharomyces cerevisiae*. *Biotechnology journal*, 21(1), e70175.
- Mao L, et al. (2026) Super-enhancer-driven core transcription factor FOXP1 delays endothelial cell senescence via phase separation-mediated SESN3 activation. *Theranostics*, 16(3), 1386.
- Yang S, et al. (2026) Quantitatively controlled and measured-traumatic brain injury impairs adult neurogenesis and alters neuropathological signatures in mice. *Theranostics*, 16(1), 193.
- Tu Y, et al. (2026) Identification of molecular markers associated with comb traits through genome-wide association study on a specialized strain of yellow feathered broilers. *Poultry science*, 105(1), 106125.