# **Resource Summary Report**

Generated by dkNET on May 11, 2025

# **HISAT2**

RRID:SCR\_015530

Type: Tool

## **Proper Citation**

HISAT2 (RRID:SCR\_015530)

#### **Resource Information**

URL: http://ccb.jhu.edu/software/hisat2/index.shtml

**Proper Citation:** HISAT2 (RRID:SCR\_015530)

Description: Graph-based alignment of next generation sequencing reads to a population of

genomes.

Synonyms: HISAT

Resource Type: data analysis software, software application, source code, sequence

analysis software, data processing software, software resource

**Defining Citation:** PMID:25751142, DOI:10.1038/s41587-019-0201-4

**Keywords:** alignment program, mapping reads, population genomics, human genome,

bio.tools

Funding: NLM R01-LM06845;

NIGMS R01-GM083873;

NSF CCF-0347992

Availability: Available for download

**Resource Name: HISAT2** 

Resource ID: SCR 015530

Alternate IDs: OMICS\_07225, biotools:hisat2

Alternate URLs: https://github.com/infphilo/hisat2, https://bio.tools/hisat2,

https://sources.debian.org/src/hisat2/

**Record Creation Time:** 20220129T080326+0000

**Record Last Update:** 20250509T060119+0000

### Ratings and Alerts

No rating or validation information has been found for HISAT2.

No alerts have been found for HISAT2.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 13616 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Sasaki M, et al. (2025) Efficacy of CBP/p300 Dual Inhibitors against Derepression of KREMEN2 in cBAF-Deficient Cancers. Cancer research communications, 5(1), 24.

Bryan E, et al. (2025) Nucleosomal asymmetry shapes histone mark binding and promotes poising at bivalent domains. Molecular cell, 85(3), 471.

Wright SS, et al. (2025) Transplantation of gasdermin pores by extracellular vesicles propagates pyroptosis to bystander cells. Cell, 188(2), 280.

Wang K, et al. (2025) Exploring the Role of Ccn3 in Type III Cell of Mice Taste Buds. Journal of neurochemistry, 169(1), e16291.

Luo Y, et al. (2025) Exploring the impacts of senescence on implantation and early embryonic development using totipotent cell-derived blastoids. Journal of advanced research, 68, 115.

Liu Z, et al. (2025) SoIR: a comprehensive Solanaceae information resource for comparative and functional genomic study. Nucleic acids research, 53(D1), D1623.

Li H, et al. (2025) Integrated multi-omics demonstrates enhanced antitumor efficacy of donafenib combined with FADS2 inhibition in hepatocellular carcinoma. Translational oncology, 51, 102142.

Meng X, et al. (2025) GTO: a comprehensive gene therapy omnibus. Nucleic acids research, 53(D1), D1393.

Polinski JM, et al. (2025) Chromosome-level reference genome for the Jonah crab, Cancer borealis. G3 (Bethesda, Md.), 15(1).

Cheng Q, et al. (2025) shRNA-interfered of Nrf2 reveals a critical role for Keap1-Nrf2 signaling pathway during effects of zearalenone induced oxidative stress in IPEC-J2 cells. Animal bioscience, 38(2), 303.

Truong AD, et al. (2025) Identification of immune-associated genes with altered expression in the spleen of mice enriched with probiotic Lactobacillus species using RNA-seq profiling. Animal bioscience, 38(2), 336.

Mao X, et al. (2025) Single-Cell Simultaneous Metabolome and Transcriptome Profiling Revealing Metabolite-Gene Correlation Network. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(4), e2411276.

Zhao L, et al. (2025) m6A demethylase CpALKBH regulates CpZap1 mRNA stability to modulate the development and virulence of chestnut blight fungus. mBio, 16(1), e0184424.

Tihagam RD, et al. (2025) The TRIM37 variant rs57141087 contributes to triple-negative breast cancer outcomes in Black women. EMBO reports, 26(1), 245.

Nishimura A, et al. (2025) Non-thermal atmospheric pressure plasma-irradiated cysteine protects cardiac ischemia/reperfusion injury by preserving supersulfides. Redox biology, 79, 103445.

Qiu J, et al. (2025) Ucp1 Ablation Improves Skeletal Muscle Glycolytic Function in Aging Mice. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(2), e2411015.

Huang Y, et al. (2025) ZNF37A downregulation promotes TNFRSF6B expression and leads to therapeutic resistance to concurrent chemoradiotherapy in rectal cancer patients. Translational oncology, 51, 102203.

Kim W, et al. (2025) Transcription factor-dependent regulatory networks of sexual reproduction in Fusarium graminearum. mBio, 16(1), e0303024.

Wen X, et al. (2025) Inhibition of the neddylation E2 enzyme UBE2M in macrophages protects against E. coli-induced sepsis. The Journal of biological chemistry, 301(1), 108085.

Ma C, et al. (2025) Chromosome-level Genome Assembly and Annotation of the Arctic Moss Ptychostomum knowltonii. Genome biology and evolution, 17(1).