Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 18, 2025

Illumina HiSeq 3000/HiSeq 4000 Sequencing System

RRID:SCR_016386
Type: Tool

Proper Citation

Illumina HiSeq 3000/HiSeq 4000 Sequencing System (RRID:SCR_016386)

Resource Information

URL: https://www.illumina.com/systems/sequencing-platforms/hiseq-3000-4000.html

Proper Citation: Illumina HiSeq 3000/HiSeq 4000 Sequencing System (RRID:SCR_016386)

Description: Sequencer that uses patterned flow cell technology to provide high-performance sequencing. Perform production-scale, high-throughput exome or transcriptome sequencing projects quickly and economically.

Synonyms: HiSeq 3000, HiSeq 4000, HiSeq 3000/4000

Resource Type: portal, topical portal, data or information resource

Keywords: Illumina, Sequencing System, Instrument Equipment, USEDit,

Funding:

Availability: Restricted

Resource Name: Illumina HiSeq 3000/HiSeq 4000 Sequencing System

Resource ID: SCR_016386

Alternate IDs: SCR_020127, Model_Number_HiSeq 3000/4000

Record Creation Time: 20220129T080330+0000

Record Last Update: 20250517T060250+0000

Ratings and Alerts

No rating or validation information has been found for Illumina HiSeq 3000/HiSeq 4000 Sequencing System.

No alerts have been found for Illumina HiSeq 3000/HiSeq 4000 Sequencing System.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 48 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Ramponi V, et al. (2025) H4K20me3-Mediated Repression of Inflammatory Genes Is a Characteristic and Targetable Vulnerability of Persister Cancer Cells. Cancer research, 85(1), 32.

McDaniel JM, et al. (2024) p53R172H and p53R245W Hotspot Mutations Drive Distinct Transcriptomes in Mouse Mammary Tumors Through a Convergent Transcriptional Mediator. Cancer research communications, 4(8), 1991.

Edelmann M, et al. (2024) Tumor Vessel Normalization via PFKFB3 Inhibition Alleviates Hypoxia and Increases Tumor Necrosis in Rectal Cancer upon Radiotherapy. Cancer research communications, 4(8), 2008.

Wang T, et al. (2024) Isolation and identification of specific Enterococcus faecalis phage C-3 and G21-7 against Avian pathogenic Escherichia coli and its application to one-day-old geese. Frontiers in microbiology, 15, 1385860.

Zheng SM, et al. (2024) MILIP Binding to tRNAs Promotes Protein Synthesis to Drive Triple-Negative Breast Cancer. Cancer research, 84(9), 1460.

Gatins R, et al. (2024) Whole genome assembly and annotation of the King Angelfish (Holacanthus passer) gives insight into the evolution of marine fishes of the Tropical Eastern Pacific. GigaByte (Hong Kong, China), 2024, gigabyte115.

Lawrence AR, et al. (2024) Microglia maintain structural integrity during fetal brain morphogenesis. Cell, 187(4), 962.

Hoppe MM, et al. (2023) Patterns of Oncogene Coexpression at Single-Cell Resolution Influence Survival in Lymphoma. Cancer discovery, 13(5), 1144.

Zhang S, et al. (2023) LncRNA INPP5F ameliorates stress-induced hypertension via the miR-335/Cttn axis in rostral ventrolateral medulla. CNS neuroscience & therapeutics, 29(7), 1830.

Chakraborty S, et al. (2023) De Novo and Histologically Transformed Small-Cell Lung Cancer Is Sensitive to Lurbinectedin Treatment Through the Modulation of EMT and NOTCH Signaling Pathways. Clinical cancer research : an official journal of the American Association for Cancer Research, 29(17), 3526.

Li YE, et al. (2023) A comparative atlas of single-cell chromatin accessibility in the human brain. Science (New York, N.Y.), 382(6667), eadf7044.

Eide M, et al. (2023) Integrative omics-analysis of lipid metabolism regulation by peroxisome proliferator-activated receptor a and b agonists in male Atlantic cod. Frontiers in physiology, 14, 1129089.

Wu Y, et al. (2023) MicroRNA-223 limits murine hemogenic endothelial cell specification and myelopoiesis. Developmental cell, 58(14), 1237.

Youngblood MW, et al. (2023) Super-enhancer hijacking drives ectopic expression of hedgehog pathway ligands in meningiomas. Nature communications, 14(1), 6279.

Rossi M, et al. (2022) Beta-blockers disrupt mitochondrial bioenergetics and increase radiotherapy efficacy independently of beta-adrenergic receptors in medulloblastoma. EBioMedicine, 82, 104149.

Paula DP, et al. (2022) Metabarcoding versus mapping unassembled shotgun reads for identification of prey consumed by arthropod epigeal predators. GigaScience, 11.

Yang Y, et al. (2022) Chromosome-level genome assembly of the shuttles hoppfish, Periophthalmus modestus. GigaScience, 11(1).

Koochekian N, et al. (2022) A chromosome-level genome assembly and annotation of the desert horned lizard, Phrynosoma platyrhinos, provides insight into chromosomal rearrangements among reptiles. GigaScience, 11.

Dutrow EV, et al. (2022) Modeling uniquely human gene regulatory function via targeted humanization of the mouse genome. Nature communications, 13(1), 304.

Lowe MG, et al. (2022) EED is required for mouse primordial germ cell differentiation in the embryonic gonad. Developmental cell, 57(12), 1482.