Resource Summary Report

Generated by kravitz2 on Jul 31, 2026

MuTect

RRID:SCR_000559
Type: Tool

Proper Citation

MuTect (RRID:SCR_000559)

Resource Information

URL: http://www.broadinstitute.org/cancer/cga/mutect

Proper Citation: MuTect (RRID:SCR_000559)

Description: Software for the reliable and accurate identification of somatic point mutations in next generation sequencing data of cancer genomes.

Abbreviations: MuTect

Synonyms: Mutect

Resource Type: software resource

Defining Citation: PMID:23396013

Keywords: next-generation sequencing, somatic mutation, tumor, normal, genome, bio.tools

Related Condition: Cancer

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: MuTect

Resource ID: SCR_000559

Alternate IDs: biotools:mutect, OMICS_00087

Alternate URLs: https://bio.tools/mutect

Record Creation Time: 20220129T080202+0000

Record Last Update: 20260725T190448+0000

Ratings and Alerts

No rating or validation information has been found for MuTect.

No alerts have been found for MuTect.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 91 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Arenillas C, et al. (2025) Convergent Genetic Adaptation in Human Tumors Developed Under Systemic Hypoxia and in Populations Living at High Altitudes. Cancer discovery, 15(5), 1037.

Xie D, et al. (2025) Deciphering genomic evolution of metastatic organotropism with 535 paired primary lung cancers and metastases. Cell reports, 44(10), 116449.

Garcia GL, et al. (2025) Aged and BRCA-Mutated Stromal Cells Drive Epithelial Cell Transformation. Cancer discovery, 15(6), 1203.

Sun X, et al. (2025) Targeting PRMT1 Reduces Cancer Persistence and Tumor Relapse in EGFR- and KRAS-Mutant Lung Cancer. Cancer research communications, 5(1), 119.

Roush SM, et al. (2025) Shared genomic features of HIV+???diffuse large B-cell lymphoma in two African cohorts. Scientific reports, 15(1), 24599.

Andersson N, et al. (2025) Tracing metastatic spread in pediatric solid tumors using copy number and targeted deep sequencing. The Journal of pathology.

Ishino T, et al. (2025) Immunopeptidomics combined with full-length transcriptomics uncovers diverse neoantigens. Cell reports, 45(1), 116781.

Chauhan PS, et al. (2025) Genomic and Epigenomic Analysis of Plasma Cell-Free DNA Identifies Stemness Features Associated with Worse Survival in Lethal Prostate Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(1), 151.

Fiorica PN, et al. (2025) Germline Pathogenic DROSHA Variants Are Linked to Pineoblastoma and Wilms Tumor Predisposition. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(8), 1491.

Lu Y, et al. (2025) Intrahepatic Microbial Heterogeneity in Multifocal Hepatocellular Carcinoma and Its Association with Host Genomic and Transcriptomic Alterations. Cancer discovery, 15(8), 1630.

Minami S, et al. (2025) Auditory neuropathy spectrum disorder and related auditory features in patients with hearing loss associated with the MT-TS1 m.7471dup variant. Mitochondrion, 84, 102056.

Peng T, et al. (2025) Individualized patient tumor organoids faithfully preserve human brain tumor ecosystems and predict patient response to therapy. Cell stem cell, 32(4), 652.

Liu M, et al. (2025) Sex disparities in the association between rare earth elements exposure and genetic mutation frequencies in lung cancer patients. Scientific reports, 15(1), 2185.

Black JRM, et al. (2025) Ultrasensitive ctDNA detection for preoperative disease stratification in early-stage lung adenocarcinoma. Nature medicine, 31(1), 70.

Garcia-Murillas I, et al. (2025) Whole genome sequencing-powered ctDNA sequencing for breast cancer detection. Annals of oncology : official journal of the European Society for Medical Oncology, 36(6), 673.

Persaud N, et al. (2025) Clinical Significance of TERT Promoter Mutations in Neuroblastoma. JCO precision oncology, 9, e2500074.

Varadarajan K, et al. (2025) Efficacy of ATR Kinase Inhibitor Elimusertib Monotherapy or Combination in Tumors with DNA Damage Response Pathway and Other Genomic Alterations. Molecular cancer therapeutics, 24(9), 1402.

Liu M, et al. (2024) Unveiling the metal mutation nexus: Exploring the genomic impacts of heavy metal exposure in lung adenocarcinoma and colorectal cancer. Journal of hazardous materials, 461, 132590.

Iida N, et al. (2024) Novel ERBB2 Variant Potentially Associated with Resistance against Anti-HER2 Monoclonal Antibody-Based Therapy in ERBB2-Amplified Metastatic Colorectal Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(18), 4167.

Pareja F, et al. (2024) A Genomics-Driven Artificial Intelligence-Based Model Classifies Breast Invasive Lobular Carcinoma and Discovers CDH1 Inactivating Mechanisms. Cancer research, 84(20), 3478.