

Resource Summary Report

Generated by [ASWG](#) on Aug 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: 20260829T182027+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 102 mentions in open access literature.

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

Garfinkle EAR, et al. (2026) Adjuvant personalized multivalent neoantigen DNA vaccination for MGMT unmethylated glioblastoma: a phase 1 trial. *Nature cancer*, 7(7), 1064.

Huffman BM, et al. (2026) A Phase II Trial of Niraparib in Patients with Advanced Pancreatic Cancer Harboring Pathogenic Variants in ATM, BRCA1, BRCA2, PALB2, and CHEK2. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(9), 1666.

Tirtei E, et al. (2026) Mapping Genomic Heterogeneity in Pediatric and Adolescent-Young Adult Sarcomas: Insights from the Italian SAR-GEN2016 and SAR-GEN_ITA Prospective Multicenter Trials. *Cancer research communications*, 6(4), 857.

Radulovich N, et al. (2026) Preclinical Combination Targeting VEGF and PI3K in a Rare, Aggressive Mixed Endometrial Carcinoma: An Applied Case Report. *Cancer research communications*, 6(4), 832.

Brantley KD, et al. (2026) Tumor genomics in patients younger than 40 years of age with metastatic breast cancer. *NPJ precision oncology*, 10(1).

Sinicrope FA, et al. (2026) Predictors of Immune Checkpoint Blockade Response in dMMR Colorectal Cancer Using an Integrated Immune-Enhanced Multiomics Platform. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(14), 3073.

Garralda E, et al. (2026) Broad Utility of Ultrasensitive Analysis of ctDNA Dynamics across Solid Tumors Treated with Immunotherapy. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(2), 333.

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.

Huang KK, et al. (2026) Mutational Signatures and Clonal Hematopoiesis in Intestinal Metaplasia across Countries with Varying Stomach Cancer Incidence. *Cancer discovery*, 16(3), 497.

Valentín López JC, et al. (2026) Evolution of AR and Non-AR Alterations in ctDNA of Patients with Metastatic Prostate Cancer Treated in the Phase III Alliance A031201 Trial. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(12), 2413.

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

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.

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.

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.

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.

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.

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.

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