Resource Summary Report

Generated by RRID on Aug 2, 2026

SomaticIndelDetector

RRID:SCR_005107
Type: Tool

Proper Citation

SomaticIndelDetector (RRID:SCR_005107)

Resource Information

URL: http://www.broadinstitute.org/gatk/gatkdocs/org_broadinstitute_sting_gatk_walkers_indels_SomaticI

Proper Citation: SomaticIndelDetector (RRID:SCR_005107)

Description: Tool for calling indels in Tumor-Normal paired sample mode.

Abbreviations: SomaticIndelDetector

Resource Type: software resource

Keywords: cancer-specific variant discovery tool, variant, tumor, normal, bam, indel

Related Condition: Cancer, Tumor, Normal

Resource Name: SomaticIndelDetector

Resource ID: SCR_005107

Alternate IDs: OMICS_00091

Record Creation Time: 20220129T080228+0000

Record Last Update: 20260801T190255+0000

Ratings and Alerts

No rating or validation information has been found for SomaticIndelDetector.

No alerts have been found for SomaticIndelDetector.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 81 mentions in open access literature.

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

Sait SF, et al. (2025) Hydroxychloroquine prevents resistance and potentiates the antitumor effect of SHP2 inhibition in NF1-associated malignant peripheral nerve sheath tumors. Proceedings of the National Academy of Sciences of the United States of America, 122(1), e2407745121.

Wu M, et al. (2025) Genomic copy-number variants drive apoptotic evasion underlying acquired resistance to immune checkpoint inhibitors. Immunity, 58(11), 2864.

Karasozen Y, et al. (2025) Low-Allele-Frequency Somatic Variants in a Cohort of Sporadic Saccular "Berry" Cerebral Aneurysms. Journal of the American Heart Association, 14(18), e032483.

Hickman RA, et al. (2024) Real-world experience with circulating tumor DNA in cerebrospinal fluid from patients with central nervous system tumors. Acta neuropathologica communications, 12(1), 151.

Winter PS, et al. (2024) Mutation and cell state compatibility is required and targetable in Ph+ acute lymphoblastic leukemia minimal residual disease. bioRxiv : the preprint server for biology.

Kumar A, et al. (2024) Molecular Analysis of Persistent and Recurrent Barrett's Esophagus in the Setting of Endoscopic Therapy. Clinical and translational gastroenterology, 15(8), e00751.

Larkin J, et al. (2024) Nilotinib in KIT-driven advanced melanoma: Results from the phase II single-arm NICAM trial. Cell reports. Medicine, 5(3), 101435.

Hall MS, et al. (2023) Neoantigen-specific CD4+ tumor-infiltrating lymphocytes are potent effectors identified within adoptive cell therapy products for metastatic melanoma patients. Journal for immunotherapy of cancer, 11(10).

Ishino T, et al. (2023) Somatic mutations can induce a noninflamed tumour microenvironment via their original gene functions, despite deriving neoantigens. British journal of cancer, 128(6), 1166.

Stevens LE, et al. (2023) JAK-STAT Signaling in Inflammatory Breast Cancer Enables Chemotherapy-Resistant Cell States. Cancer research, 83(2), 264.

Akarca FG, et al. (2023) Does radiofrequency ablation of the lower oesophagus allow for clonal expansion of highly mutated neosquamous epithelium? BMJ oncology, 2(1), e000089.

Kennedy AL, et al. (2021) Distinct genetic pathways define pre-malignant versus compensatory clonal hematopoiesis in Shwachman-Diamond syndrome. Nature communications, 12(1), 1334.

de Klerk LK, et al. (2021) Molecular profiles of response to neoadjuvant chemoradiotherapy in oesophageal cancers to develop personalized treatment strategies. Molecular oncology, 15(4), 901.

Nakamura IT, et al. (2021) Development of an optimal protocol for molecular profiling of tumor cells in pleural effusions at single-cell level. Cancer science, 112(5), 2006.

Zhuang Y, et al. (2021) Establishment and characterization of immortalized human breast cancer cell lines from breast cancer patient-derived xenografts (PDX). NPJ breast cancer, 7(1), 79.

Nagano M, et al. (2021) Comprehensive molecular profiling of pulmonary pleomorphic carcinoma. NPJ precision oncology, 5(1), 57.

Garcia EG, et al. (2021) PRL3 enhances T-cell acute lymphoblastic leukemia growth through suppressing T-cell signaling pathways and apoptosis. Leukemia, 35(3), 679.

Liu J, et al. (2021) A high-risk retinoblastoma subtype with stemness features, dedifferentiated cone states and neuronal/ganglion cell gene expression. Nature communications, 12(1), 5578.

Starrett GJ, et al. (2020) Clinical and molecular characterization of virus-positive and virus-negative Merkel cell carcinoma. Genome medicine, 12(1), 30.

Lee K, et al. (2020) Therapeutic Efficacy of GC1118, a Novel Anti-EGFR Antibody, against Glioblastoma with High EGFR Amplification in Patient-Derived Xenografts. Cancers, 12(11).