Resource Summary Report

Generated by T1D on Sep 5, 2026

ANNOVAR

RRID:SCR_012821
Type: Tool

Proper Citation

ANNOVAR (RRID:SCR_012821)

Resource Information

URL: http://www.openbioinformatics.org/annovar/

Proper Citation: ANNOVAR (RRID:SCR_012821)

Description: An efficient software tool to utilize update-to-date information to functionally annotate genetic variants detected from diverse genomes (including human genome hg18, hg19, as well as mouse, worm, fly, yeast and many others). Given a list of variants with chromosome, start position, end position, reference nucleotide and observed nucleotides, ANNOVAR can perform: 1. gene-based annotation. 2. region-based annotation. 3. filter-based annotation. 4. other functionalities. (entry from Genetic Analysis Software)

Abbreviations: ANNOVAR

Synonyms: functional ANNOtation of genetic VARiants, ANNOVAR: Functional annotation of genetic variants

Resource Type: software application, software resource

Defining Citation: PMID:20601685

Keywords: genomic analysis, imaging genomics, next generation sequencing, snp, gene, bio.tools

Availability: Free

Resource Name: ANNOVAR

Resource ID: SCR_012821

Alternate IDs: nlx_154225, biotools:annovar, OMICS_00165

Alternate URLs: https://bio.tools/annovar, https://bio.tools/annovar

Record Creation Time: 20220129T080312+0000

Record Last Update: 20260904T000421+0000

Ratings and Alerts

No rating or validation information has been found for ANNOVAR.

No alerts have been found for ANNOVAR.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 6463 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Poulain F, et al. (2026) Clonal origin and early lineage divergence in adenosquamous carcinoma. Cell reports, 45(6), 117470.

Zeng Q, et al. (2026) Intratumoral Tertiary Lymphoid Structures Characterized by a B Cell-Related Signature Elicit Antitumor Effect through HAPLN3 in Hepatocellular Carcinoma. Cancer immunology research, 14(5), 771.

Liu H, et al. (2026) Long-term outcomes by clinical and molecular risk stratification in patients with medulloblastoma receiving risk-adapted therapy. Med (New York, N.Y.), 7(5), 101076.

Wong MK, et al. (2026) Gain of chromosome 1q and MYCN characterize unique subgroups of Asian Wilms tumor patients. Cancer treatment and research communications, 47, 101191.

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.

Gatz SA, et al. (2026) Phase I/II Study of the PARP Inhibitor Olaparib and Irinotecan in Children and Young Adults with Recurrent/Refractory Malignancies: Arm D of the AcS??-ESMART Trial. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(7), 1210.

Huang AY, et al. (2026) Somatic cancer variants enriched in Alzheimer's disease microglia-like cells drive inflammatory and proliferative states. Cell, 189(12), 3719.

Wang X, et al. (2026) Clinicogenomic Characterization of Primary Sclerosing Cholangitis-Associated Biliary Tract Cancers. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(2), 363.

Chang LJ, et al. (2026) Assessment of Circulating Tumor DNA for Early Detection of Hepatocellular Carcinoma in Alpha-Fetoprotein-Negative Patients With Cirrhotic Nodules. JGH open : an open access journal of gastroenterology and hepatology, 10(1), e70331.

Sakrepatna Nagaraj A, et al. (2026) Ex Vivo Immuno-Oncology Platform Reveals Spatial T-cell Infiltration Patterns Linked to ATR Inhibition Responses in High-Grade Serous Ovarian Cancer. Cancer immunology research, 14(4), 625.

Chen S, et al. (2026) Endogenous retrovirus-derived RNA-DNA hybrids induce microglial synaptic pruning in autism models. Neuron, 114(10), 1765.

Zhang J, et al. (2026) Biomimetic hydrogel for the construction of patient-derived bladder cancer organoids with aggressive growth. iScience, 29(2), 114786.

Kamimae-Lanning AN, et al. (2026) Metabolite-induced DNA damage drives stochastic stem cell loss and clonal hematopoiesis. Cell stem cell, 33(4), 642.

Williams JS, et al. (2026) Patient-derived pediatric brain tumor orthotopic xenografts and tumor organoids faithfully recapitulate primary tumors. Science advances, 12(16), eaea4966.

Kryeziu K, et al. (2026) Patient-derived organoids from metastatic colorectal cancer mirror tumor heterogeneity and predict patient survival and drug sensitivity. Cell reports. Medicine, 7(6), 102840.

Smolen C, et al. (2026) Protocol for identifying genetic modifiers of phenotypes in individuals with disease-associated variants. STAR protocols, 7(2), 104546.

Sigal W, et al. (2026) Congenital Hyperinsulinism and Long QT Syndrome Attributable to a Variant in KCNE1. Hormone research in paediatrics, 99(4), 518.

Wang Z, et al. (2026) Haplotype-Resolved Genome Assembly and Population Genomics Reveal Evolutionary History and Agronomic Traits of Mulberry. Plant biotechnology journal, 24(4), 2105.

Li S, et al. (2026) Genomic landscape of paired primary and peritoneal metastatic lesions in gastric cancer highlights evolutionary dynamics and mutational drivers. Journal of advanced research, 81, 507.