# **Resource Summary Report**

Generated by RRID on Apr 28, 2025

# Isaac

RRID:SCR\_012772

Type: Tool

### **Proper Citation**

Isaac (RRID:SCR\_012772)

#### **Resource Information**

URL: https://github.com/sequencing

Proper Citation: Isaac (RRID:SCR\_012772)

**Description:** Whole genome secondary analysis on Illumina sequencing platforms.

Abbreviations: Isaac

**Resource Type:** software resource

Keywords: bio.tools

**Funding:** 

Resource Name: Isaac

Resource ID: SCR\_012772

Alternate IDs: biotools:isaac, OMICS\_00289

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

**Record Creation Time:** 20220129T080312+0000

**Record Last Update:** 20250420T014619+0000

# **Ratings and Alerts**

No rating or validation information has been found for Isaac.

#### Data and Source Information

Source: SciCrunch Registry

# **Usage and Citation Metrics**

We found 63 mentions in open access literature.

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

van der Tuin K, et al. (2024) Clinically Relevant Germline Variants in Children With Nonmedullary Thyroid Cancer. The Journal of clinical endocrinology and metabolism, 109(12), e2214.

Shumliakivska M, et al. (2024) DNMT3A clonal hematopoiesis-driver mutations induce cardiac fibrosis by paracrine activation of fibroblasts. Nature communications, 15(1), 606.

Wang P, et al. (2024) Genome-wide association studies identify novel loci in rapidly progressive Alzheimer's disease. Alzheimer's & dementia: the journal of the Alzheimer's Association, 20(3), 2034.

Bateman NW, et al. (2024) Proteogenomic analysis of enriched HGSOC tumor epithelium identifies prognostic signatures and therapeutic vulnerabilities. NPJ precision oncology, 8(1), 68.

Hwang HY, et al. (2024) Precise editing of pathogenic nucleotide repeat expansions in iPSCs using paired prime editor. Nucleic acids research, 52(10), 5792.

Dietzen M, et al. (2024) Replication timing alterations are associated with mutation acquisition during breast and lung cancer evolution. Nature communications, 15(1), 6039.

Klein K, et al. (2024) A lineage-specific STAT5BN642H mouse model to study NK-cell leukemia. Blood, 143(24), 2474.

Cornish AJ, et al. (2024) The genomic landscape of 2,023 colorectal cancers. Nature, 633(8028), 127.

Mas-Peiro S, et al. (2023) Mosaic loss of Y chromosome in monocytes is associated with lower survival after transcatheter aortic valve replacement. European heart journal, 44(21), 1943.

Ikeda T, et al. (2023) APOBEC3 degradation is the primary function of HIV-1 Vif for virus replication in the myeloid cell line THP-1. bioRxiv: the preprint server for biology.

Sturm G, et al. (2023) OxPhos defects cause hypermetabolism and reduce lifespan in cells

and in patients with mitochondrial diseases. Communications biology, 6(1), 22.

Pagnamenta AT, et al. (2023) The prevalence and phenotypic range associated with biallelic PKDCC variants. Clinical genetics, 104(1), 121.

Ikeda T, et al. (2023) APOBEC3 degradation is the primary function of HIV-1 Vif determining virion infectivity in the myeloid cell line THP-1. mBio, 14(4), e0078223.

Lenassi E, et al. (2023) EyeG2P: an automated variant filtering approach improves efficiency of diagnostic genomic testing for inherited ophthalmic disorders. Journal of medical genetics, 60(8), 810.

Lee H, et al. (2023) Mechanisms of antigen escape from BCMA- or GPRC5D-targeted immunotherapies in multiple myeloma. Nature medicine, 29(9), 2295.

Mauleekoonphairoj J, et al. (2023) A diverse ancestrally-matched reference panel increases genotype imputation accuracy in a underrepresented population. Scientific reports, 13(1), 12360.

Habib O, et al. (2022) Comprehensive analysis of prime editing outcomes in human embryonic stem cells. Nucleic acids research, 50(2), 1187.

Chan AJS, et al. (2022) Genome-wide rare variant score associates with morphological subtypes of autism spectrum disorder. Nature communications, 13(1), 6463.

Van de Sompele S, et al. (2022) Multi-omics approach dissects cis-regulatory mechanisms underlying North Carolina macular dystrophy, a retinal enhanceropathy. American journal of human genetics, 109(11), 2029.

Mehta PR, et al. (2022) The impact of age on genetic testing decisions in amyotrophic lateral sclerosis. Brain: a journal of neurology, 145(12), 4440.