Resource Summary Report

Generated by <u>dkNET</u> on Apr 18, 2025

OptiType

RRID:SCR_022279 Type: Tool

Proper Citation

OptiType (RRID:SCR_022279)

Resource Information

URL: https://github.com/FRED-2/OptiType

Proper Citation: OptiType (RRID:SCR_022279)

Description: Software tool for precision HLA typing from next generation sequencing data.

Resource Type: data processing software, data analysis software, software resource, software application

Defining Citation: PMID:25143287

Keywords: Precision HLA typing, next generation sequencing data, HLA typing, NGS data

Funding: German Research Foundation ; German Federal Ministry of Education and Research

Availability: Free, Available for download, Freely available

Resource Name: OptiType

Resource ID: SCR_022279

Alternate IDs: OMICS_05461

Alternate URLs: https://sources.debian.org/src/optitype/

Record Creation Time: 20220512T050141+0000

Record Last Update: 20250417T065719+0000

Ratings and Alerts

No rating or validation information has been found for OptiType.

No alerts have been found for OptiType.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 41 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Obispo D, et al. (2024) New Associations with the HIV Predisposing and Protective Alleles of the Human Leukocyte Antigen System in a Peruvian Population. Viruses, 16(11).

Skadborg SK, et al. (2024) Nivolumab Reaches Brain Lesions in Patients with Recurrent Glioblastoma and Induces T-cell Activity and Upregulation of Checkpoint Pathways. Cancer immunology research, 12(9), 1202.

Das A, et al. (2024) Combined Immunotherapy Improves Outcome for Replication-Repair-Deficient (RRD) High-Grade Glioma Failing Anti-PD-1 Monotherapy: A Report from the International RRD Consortium. Cancer discovery, 14(2), 258.

Ricker CA, et al. (2024) Historical perspective and future directions: computational science in immuno-oncology. Journal for immunotherapy of cancer, 12(1).

Lai SK, et al. (2024) A novel framework for human leukocyte antigen (HLA) genotyping using probe capture-based targeted next-generation sequencing and computational analysis. Computational and structural biotechnology journal, 23, 1562.

Burleigh A, et al. (2024) Genetic testing of Behçet's disease using next-generation sequencing to identify monogenic mimics and HLA-B*51. Rheumatology (Oxford, England), 63(12), 3457.

Deng Y, et al. (2024) Multicellular ecotypes shape progression of lung adenocarcinoma from ground-glass opacity toward advanced stages. Cell reports. Medicine, 5(4), 101489.

Zhang C, et al. (2024) Neoadjuvant sintilimab plus chemotherapy in EGFR-mutant NSCLC: Phase 2 trial interim results (NEOTIDE/CTONG2104). Cell reports. Medicine, 5(7), 101615.

Barquera R, et al. (2024) Ancient genomes reveal insights into ritual life at Chichén Itzá. Nature, 630(8018), 912.

Bulashevska A, et al. (2024) Artificial intelligence and neoantigens: paving the path for precision cancer immunotherapy. Frontiers in immunology, 15, 1394003.

Sun Y, et al. (2024) Integrated multi-omics profiling to dissect the spatiotemporal evolution of metastatic hepatocellular carcinoma. Cancer cell, 42(1), 135.

Nanjala R, et al. (2023) Assessing HLA imputation accuracy in a West African population. bioRxiv : the preprint server for biology.

García-Mulero S, et al. (2023) Driver mutations in GNAQ and GNA11 genes as potential targets for precision immunotherapy in uveal melanoma patients. Oncoimmunology, 12(1), 2261278.

Wang S, et al. (2023) SpecHLA enables full-resolution HLA typing from sequencing data. Cell reports methods, 3(9), 100589.

van den Bulk J, et al. (2023) Neoantigen Targetability in Progressive Advanced Melanoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 29(20), 4278.

Song L, et al. (2023) Efficient and accurate KIR and HLA genotyping with massively parallel sequencing data. Genome research, 33(6), 923.

Semaan A, et al. (2023) Integrated Molecular Characterization of Intraductal Papillary Mucinous Neoplasms: An NCI Cancer Moonshot Precancer Atlas Pilot Project. Cancer research communications, 3(10), 2062.

Nanjala R, et al. (2023) Assessing HLA imputation accuracy in a West African population. PloS one, 18(9), e0291437.

Mayoh C, et al. (2023) A novel transcriptional signature identifies T-cell infiltration in high-risk paediatric cancer. Genome medicine, 15(1), 20.

Ying L, et al. (2023) Immune-active tumor-adjacent tissues are associated with favorable prognosis in stage I lung squamous cell carcinoma. iScience, 26(9), 107732.