Resource Summary Report

Generated by kravitz2 on Sep 17, 2026

DriverDB

RRID:SCR_007736
Type: Tool

Proper Citation

DriverDB (RRID:SCR_007736)

Resource Information

URL: http://driverdb.ym.edu.tw/DriverDB/intranet/init.do

Proper Citation: DriverDB (RRID:SCR_007736)

Description: A database for cancer driver gene/mutation that incorporates a huge amount of exome-seq data, annotation databases (such as dbSNP, 1000 Genome and Cosmic), and published bioinformatics algorithms dedicated to driver gene/mutation identification.

Abbreviations: DriverDB

Synonyms: DriverDB: A database for cancer driver gene/mutation

Resource Type: data or information resource, database

Defining Citation: PMID:24214964

Keywords: gene, mutation

Related Condition: Cancer

Resource Name: DriverDB

Resource ID: SCR_007736

Alternate IDs: OMICS_00268

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260912T200151+0000

Ratings and Alerts

No rating or validation information has been found for DriverDB.

No alerts have been found for DriverDB.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Otani J, et al. (2026) SAMD4 represses VGLL4 mRNA to activate TEAD and promote cancer progression. Oncogene, 45(22), 2171.

Lin YZ, et al. (2025) Memory-promoting function of miR-379-5p attenuates CD8+ T cell exhaustion by targeting immune checkpoints. Journal for immunotherapy of cancer, 13(4).

Yu J, et al. (2025) Transcriptome-wide decoding the roles of aberrant splicing in melanoma MAPK-targeted resistance evolution. EMBO reports, 26(16), 4180.

Yari AH, et al. (2024) Novel bioinformatic approaches show the role of driver genes in the progression of cervical cancer: An in-silico study. Heliyon, 10(22), e40179.

Zhang LT, et al. (2023) IL23R as an indicator of immune infiltration and poor prognosis in intrahepatic cholangiocarcinoma: a bioinformatics analysis. Translational cancer research, 12(10), 2461.

Lin YZ, et al. (2022) miR-4759 suppresses breast cancer through immune checkpoint blockade. Computational and structural biotechnology journal, 20, 241.

Chao JY, et al. (2021) Using bioinformatics approaches to investigate driver genes and identify BCL7A as a prognostic gene in colorectal cancer. Computational and structural biotechnology journal, 19, 3922.

Liao TT, et al. (2021) The microRNA-210-Stathmin1 Axis Decreases Cell Stiffness to Facilitate the Invasiveness of Colorectal Cancer Stem Cells. Cancers, 13(8).

Huo Q, et al. (2021) VWCE as a potential biomarker associated with immune infiltrates in breast cancer. Cancer cell international, 21(1), 272.

Huo Q, et al. (2021) Inhibiting of TACC3 Promotes Cell Proliferation, Cell Invasion and the EMT Pathway in Breast Cancer. Frontiers in genetics, 12, 640078.

Qi Y, et al. (2020) Identification and validation of a miRNA-based prognostic signature for cervical cancer through an integrated bioinformatics approach. Scientific reports, 10(1), 22270.

Chang Z, et al. (2020) Identification and Characterization of the Copy Number Dosage-Sensitive Genes in Colorectal Cancer. Molecular therapy. Methods & clinical development, 18, 501.

Liu L, et al. (2020) Identification of Early Warning Signals at the Critical Transition Point of Colorectal Cancer Based on Dynamic Network Analysis. Frontiers in bioengineering and biotechnology, 8, 530.

Han Y, et al. (2019) DriverML: a machine learning algorithm for identifying driver genes in cancer sequencing studies. Nucleic acids research, 47(8), e45.

Huang CY, et al. (2018) Clinical significance of glutamate metabotropic receptors in renal cell carcinoma risk and survival. Cancer medicine, 7(12), 6104.

Cava C, et al. (2018) Integration of multiple networks and pathways identifies cancer driver genes in pan-cancer analysis. BMC genomics, 19(1), 25.

Peterson LE, et al. (2017) Progression inference for somatic mutations in cancer. Heliyon, 3(4), e00277.

Zhou W, et al. (2017) Identification of driver copy number alterations in diverse cancer types and application in drug repositioning. Molecular oncology, 11(10), 1459.

Wang T, et al. (2017) Mutational analysis of driver genes with tumor suppressive and oncogenic roles in gastric cancer. PeerJ, 5, e3585.

Chang WC, et al. (2017) Cholesterol import and steroidogenesis are biosignatures for gastric cancer patient survival. Oncotarget, 8(1), 692.