

Resource Summary Report

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FireBrowse

RRID:SCR_026320

Type: Tool

Proper Citation

FireBrowse (RRID:SCR_026320)

Resource Information

URL: <http://firebrowse.org/>

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Description: Portal provides access to cancer genomic data from variety of analyses: clinical, copy number, miR, miRseq, mRNA, mRNAseq, mutation and pathway analyses. Provides comprehensive suite of interdependent analyses of those data, including: correlations, clustering, and GISTIC and MutSigCV. Companion portal to the Broad Institute GDAC Firehose analysis pipeline, and was developed to cull and analyze data generated by The Cancer Genome Atlas (TCGA), which characterizes and identifies genomic patterns in human cancer models.

Resource Type: topical portal, data or information resource, disease-related portal, portal

Keywords: cancer genomics data, clinical annotations, DNA copy number, miR, miRseq, mRNA, mRNAseq, analyze data,

Related Condition: cancer

Availability: Free, Freely available,

Resource Name: FireBrowse

Resource ID: SCR_026320

Alternate URLs: <http://firebrowse.org/tutorial/FireBrowse-Tutorial.pdf>,

Record Creation Time: 20250122T053336+0000

Record Last Update: 20260801T191348+0000

Ratings and Alerts

No rating or validation information has been found for FireBrowse.

No alerts have been found for FireBrowse.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Melero I, et al. (2025) Neutralizing GDF-15 can overcome anti-PD-1 and anti-PD-L1 resistance in solid tumours. *Nature*, 637(8048), 1218.

Saidak Z, et al. (2025) Salivary cell-free DNA methylation analysis for oncological monitoring of surgical resection of oral squamous cell carcinoma. *Frontiers in oral health*, 6, 1614371.

Poole VL, et al. (2025) Targeting Src tyrosine kinase to enhance radioiodide uptake in breast cancer. *Endocrine-related cancer*, 32(8).

Wang X, et al. (2025) Unravelling the distinct effects of VHL mutations and chromosome 3p loss in clear cell renal cell carcinoma: Implications for prognosis and treatment. *Clinical and translational medicine*, 15(10), e70465.

Cao Q, et al. (2025) Tumor microenvironment and drug resistance in lung adenocarcinoma: molecular mechanisms, prognostic implications, and therapeutic strategies. *Discover oncology*, 16(1), 238.

Liu Y, et al. (2025) Image-based inference of tumor cell trajectories enables large-scale cancer progression analysis. *Science advances*, 11(29), eadv9466.

Toubia J, et al. (2025) TRAnscriptome ANALysis of StratifiEd CohorTs (TRANSECT) enables automated assessment of global gene regulation linked to disparate expression in user defined genes and gene sets. *NAR genomics and bioinformatics*, 7(2), lqaf041.

Dao B, et al. (2025) Crosstalk between genomic variants and DNA methylation in FLT3 mutant acute myeloid leukemia. *Briefings in functional genomics*, 24.

Yamaguchi K, et al. (2025) PLASMA: Partial LeAst Squares for Multiomics Analysis. *Cancers*, 17(2).

Duca M, et al. (2025) Transcription factor FOXD1 and miRNA-204-5p play a major role in B4GALNT2 downregulation in colon cancer. *Scientific reports*, 15(1), 1821.

Li C, et al. (2025) Multi-omics-based subtyping of melanoma suggests distinct immune and targeted therapy strategies. *Frontiers in immunology*, 16, 1601243.

Szmyd R, et al. (2025) Homologous recombination promotes non-immunogenic mitotic cell death upon DNA damage. *Nature cell biology*, 27(1), 59.

Cen J, et al. (2025) N6-methyladenosine-mediated upregulation of MANF promotes ER stress resistance in renal cell carcinoma. *Cell death & disease*, 16(1), 486.

Xie AX, et al. (2025) UnitedMet harnesses RNA-metabolite covariation to impute metabolite levels in clinical samples. *Nature cancer*, 6(5), 892.

Herranz-Montoya I, et al. (2025) p53 protein degradation redefines the initiation mechanisms and drives transitional mutations in colorectal cancer. *Nature communications*, 16(1), 3934.

Famili-Youth EHH, et al. (2025) Aberrant expression of collagen type X in solid tumor stroma is associated with EMT, immunosuppressive and pro-metastatic pathways, bone marrow stromal cell signatures, and poor survival prognosis. *BMC cancer*, 25(1), 247.

Young AA, et al. (2025) PACT suppresses PKR activation through dsRNA binding and dimerization, and is a therapeutic target for triple-negative breast cancer. *RNA (New York, N.Y.)*, 31(11), 1599.

Elhinnawi MA, et al. (2025) GPNMB is a novel binding partner of FGFR1 that affects tumorigenic potential through AKT phosphorylation in TNBC. *Cancer science*, 116(2), 432.

Bulliard M, et al. (2025) Kallikrein-8 mediates furin-independent Activin-A precursor processing to stimulate tumor growth in melanoma. *Nature communications*, 16(1), 2354.

Peng X, et al. (2025) A CDKN2B-Associated Immune Prognostic Model for Predicting Immune Cell Infiltration and Prognosis in Esophageal Carcinoma. *Clinical and experimental gastroenterology*, 18, 41.