

Resource Summary Report

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ChimerDB

RRID:SCR_007596

Type: Tool

Proper Citation

ChimerDB (RRID:SCR_007596)

Resource Information

URL: <http://ercsb.ewha.ac.kr:8080/FusionGene/>

Proper Citation: ChimerDB (RRID:SCR_007596)

Description: Knowledgebase of fusion transcripts collected from various public resources such as the Sanger CGP, OMIM, PubMed, and Mitelman's database. It is an alignment viewer to facilitate examining reliability of fusion transcripts and inferring functional significance., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Resource Type: data or information resource, database

Defining Citation: [PMID:19906715](#), [PMID:16381848](#)

Keywords: knowledge base, fusion transcript, transcript alignment, alignment viewer

Related Condition: Tumor, Cancer

Funding: Korean Ministry of Education Science and Technology ;
Gwangju Institute of Science and Technology ;
Korean Ministry of Science and Technology R01-2008-000-20818-0;
Korean Ministry of Science and Technology 2007-03983;
National Core Research Center R15-2006-020;
Korean Rural Development Administration 20070401034010

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: ChimerDB

Resource ID: SCR_007596

Alternate IDs: nif-0000-02659

Alternate URLs: <http://genome.ewha.ac.kr/ChimerDB/>

Record Creation Time: 20220129T080242+0000

Record Last Update: 20260801T191003+0000

Ratings and Alerts

No rating or validation information has been found for ChimerDB.

No alerts have been found for ChimerDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Öztemur Islako?lu Y, et al. (2025) Fusion transcripts landscape in hepatocellular carcinoma and potential impact on the expression of fusion partners. RNA biology, 22(1), 1.

Zhao S, et al. (2025) Development and application of a whole transcriptome sequencing assay for the detection of gene fusions in clinical cancer specimens. BMC cancer, 25(1), 842.

Tao Z, et al. (2025) Single-cell multi-omics elucidates the role of RPS27-RPS24 fusion gene in osteosarcoma chemoresistance and metabolic regulation. Cell death discovery, 11(1), 197.

Yang C, et al. (2024) FusionNW, a potential clinical impact assessment of kinases in pan-cancer fusion gene network. Briefings in bioinformatics, 25(2).

Kumar H, et al. (2024) FusionPDB: a knowledgebase of human fusion proteins. Nucleic acids research, 52(D1), D1289.

Kumar H, et al. (2024) FusionNeoAntigen: a resource of fusion gene-specific neoantigens. Nucleic acids research, 52(D1), D1276.

Singh M, et al. (2024) Integrated analysis of transcriptome and genome variations in pediatric T cell acute lymphoblastic leukemia: data from north Indian tertiary care center. BMC cancer, 24(1), 325.

de Joode K, et al. (2023) The genomic and transcriptomic landscape of advanced renal cell cancer for individualized treatment strategies. Scientific reports, 13(1), 10720.

Ning C, et al. (2023) A comprehensive evaluation of full-spectrum cell-free RNAs highlights cell-free RNA fragments for early-stage hepatocellular carcinoma detection.

EBioMedicine, 93, 104645.

van Belzen IAEM, et al. (2023) Systematic discovery of gene fusions in pediatric cancer by integrating RNA-seq and WGS. BMC cancer, 23(1), 618.

Luo R, et al. (2023) A novel integrated approach to predicting cancer immunotherapy efficacy. Oncogene, 42(23), 1913.

Tripathi S, et al. (2023) Defining the condensate landscape of fusion oncoproteins. Nature communications, 14(1), 6008.

Zhao Z, et al. (2023) Whole exome sequencing of well-differentiated liposarcoma and dedifferentiated liposarcoma in older woman: a case report. Frontiers in medicine, 10, 1237246.

Hamada T, et al. (2023) MALAT1 functions as a transcriptional promoter of MALAT1::GLI1 fusion for truncated GLI1 protein expression in cancer. BMC cancer, 23(1), 424.

Frenkel M, et al. (2023) Discovering chromatin dysregulation induced by protein-coding perturbations at scale. bioRxiv : the preprint server for biology.

Van AN, et al. (2021) Protein kinase C fusion proteins are paradoxically loss of function in cancer. The Journal of biological chemistry, 296, 100445.

Liu Z, et al. (2021) Unraveling Gene Fusions for Drug Repositioning in High-Risk Neuroblastoma. Frontiers in pharmacology, 12, 608778.

Walter W, et al. (2021) Clinical application of whole transcriptome sequencing for the classification of patients with acute lymphoblastic leukemia. BMC cancer, 21(1), 886.

, et al. (2020) Genomic basis for RNA alterations in cancer. Nature, 578(7793), 129.

Jang YE, et al. (2020) ChimerDB 4.0: an updated and expanded database of fusion genes. Nucleic acids research, 48(D1), D817.