

Resource Summary Report

Generated by [ASWG](#) on Aug 2, 2026

FusionCatcher

RRID:SCR_000060

Type: Tool

Proper Citation

FusionCatcher (RRID:SCR_000060)

Resource Information

URL: <https://github.com/ndaniel/fusioncatcher>

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Description: Software that searches for novel/known fusion genes, translocations, and chimeras in RNA-seq data (paired-end reads from Illumina NGS platforms like Solexa and HiSeq) from diseased samples.

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

Defining Citation: [DOI:10.1101/011650](https://doi.org/10.1101/011650)

Keywords: fusion gene, known fusion gene, translocation, chimera, rna-seq data, hiseq, solexa, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: FusionCatcher

Resource ID: SCR_000060

Alternate IDs: biotools:fusioncatcher, OMICS_01348

Alternate URLs: <https://github.com/ndaniel/fusioncatcher/blob/master/doc/manual.md>, <https://bio.tools/fusioncatcher>

Old URLs: <http://code.google.com/p/fusioncatcher/>

Record Creation Time: 20220129T080159+0000

Record Last Update: 20260801T190726+0000

Ratings and Alerts

No rating or validation information has been found for FusionCatcher.

No alerts have been found for FusionCatcher.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Khan N, et al. (2025) Human Papillomavirus Integration Induces Oncogenic Host Gene Fusions in Oropharyngeal Cancers. *Cancer discovery*, 15(9), 1927.

Byron SA, et al. (2021) Genomic and Transcriptomic Analysis of Relapsed and Refractory Childhood Solid Tumors Reveals a Diverse Molecular Landscape and Mechanisms of Immune Evasion. *Cancer research*, 81(23), 5818.

Chen S, et al. (2019) Widespread and Functional RNA Circularization in Localized Prostate Cancer. *Cell*, 176(4), 831.

Labuhn M, et al. (2019) Mechanisms of Progression of Myeloid Preleukemia to Transformed Myeloid Leukemia in Children with Down Syndrome. *Cancer cell*, 36(2), 123.

Ganly I, et al. (2018) Integrated Genomic Analysis of H₂thle Cell Cancer Reveals Oncogenic Drivers, Recurrent Mitochondrial Mutations, and Unique Chromosomal Landscapes. *Cancer cell*, 34(2), 256.

Churchman ML, et al. (2018) Germline Genetic IKZF1 Variation and Predisposition to Childhood Acute Lymphoblastic Leukemia. *Cancer cell*, 33(5), 937.

Kumar S, et al. (2016) Comparative assessment of methods for the fusion transcripts detection from RNA-Seq data. *Scientific reports*, 6, 21597.