

Resource Summary Report

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CRISPRscan

RRID:SCR_023777

Type: Tool

Proper Citation

CRISPRscan (RRID:SCR_023777)

Resource Information

URL: <https://www.crisprscan.org/>

Proper Citation: CRISPRscan (RRID:SCR_023777)

Description: Web tool for predictive sgRNA-scoring that captures sequence features affecting Cas9/sgRNA activity in vivo. Scoring algorithm to help select the best gRNAs for CRISPR.

Resource Type: data access protocol, software resource, web service

Keywords: predictive sgRNA-scoring, sequence features capture, affecting Cas9/sgRNA activity in vivo, select gRNAs for CRISPR,

Funding: Swiss National Science Foundation ;
NICHD R21 HD073768;
NIGMS R01 GM103789;
NIGMS R01 GM102251;
NIGMS R01 GM101108;
NIGMS GM081602;
NICHD R01 HD081379;
Edward Mallinckrodt Jr Foundation

Availability: Free, Freely available

Resource Name: CRISPRscan

Resource ID: SCR_023777

Record Creation Time: 20230711T050220+0000

Record Last Update: 20260805T044520+0000

Ratings and Alerts

No rating or validation information has been found for CRISPRscan.

No alerts have been found for CRISPRscan.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Khan A, et al. (2026) HMPV-TherResDB: Comprehensive human metapneumovirus (HMPV) database for sequence-structure annotations, vaccine resources, and therapeutics research. *Virus research*, 363, 199665.

Marquez J, et al. (2025) Polyamine metabolism is dysregulated in COXFA4-related mitochondrial disease. *HGG advances*, 6(2), 100418.

Zhang S, et al. (2025) Integrative mRNA and miRNA Expression Profiles from Developing Zebrafish Head Highlight Brain-Preference Genes and Regulatory Networks. *Molecular neurobiology*, 62(2), 2148.

Davis BR, et al. (2025) Epithelial transcription factor Elf3 mediates host immune responses to microbiota and protects against aerocystitis in zebrafish. *mBio*, 16(12), e0226725.

Hsu CW, et al. (2025) Single-cell transcriptomes of zebrafish germline reveal progenitor types and feminization by Foxl2l. *eLife*, 14.

Wu K, et al. (2025) Ace2 mutation disrupts amino acid absorption, impairs growth, and alters microbiota dynamics in zebrafish. *Communications biology*, 8(1), 1226.

Parisien-La Salle S, et al. (2025) Rapid generation of a sdhb loss-of-function zebrafish model for secreting pheochromocytomas and paragangliomas. *NPJ genomic medicine*, 10(1), 59.

Griffin C, et al. (2025) Deletion of sf3b4 causes splicing defects and gene dysregulation that disrupt craniofacial development and survival. *Disease models & mechanisms*, 18(3).

Saha D, et al. (2025) Critical considerations and computational tools in plant genome editing. *Heliyon*, 11(1), e41135.

Keeley S, et al. (2025) Rapid and robust generation of cardiomyocyte-specific crispants in zebrafish using the cardiodeleter system. *Cell reports methods*, 5(3), 101003.

Munro B, et al. (2025) Deoxynucleoside supplementation ameliorates the disease associated phenotypes in a zebrafish model of RRM2B mtDNA depletion syndrome.

Human molecular genetics, 34(11), 967.

Zhang L, et al. (2025) Vitellogenin receptor mediates heat adaptability of oocyte development in mud crabs and zebrafish. Nature communications, 16(1), 3722.

Logan CY, et al. (2025) Deletion of an enhancer that controls Wnt gene expression following tissue injury produces increased adipogenesis in regenerated muscle. Development (Cambridge, England), 152(24).

Li X, et al. (2025) The indispensable role of Mediator complex subunit 27 during neurodevelopment. Cell & bioscience, 15(1), 83.

He HM, et al. (2025) Epidermal stem cells control periderm injury repair via matrix-driven specialization of intercellular junctions. Nature communications, 16(1), 8967.

Goh SYC, et al. (2025) Zbtb48 is a regulator of Mtfp1 expression in zebrafish. Communications biology, 8(1), 277.

Wu K, et al. (2025) Disrupting Amh and androgen signaling reveals their distinct roles in zebrafish gonadal differentiation and gametogenesis. Communications biology, 8(1), 371.

Marelli G, et al. (2025) Chemosensor receptors are lipid-detecting regulators of macrophage function in cancer. Nature immunology, 26(7), 1182.

Belyantseva IA, et al. (2025) Taperin bundles F-actin at stereocilia pivot points enabling optimal lifelong mechanosensitivity. The Journal of cell biology, 224(8).

Wu Y, et al. (2025) Pu.1/Spi1 dosage controls the turnover and maintenance of microglia in zebrafish and mammals. eLife, 14.