

Resource Summary Report

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CRISPOR

RRID:SCR_015935

Type: Tool

Proper Citation

CRISPOR (RRID:SCR_015935)

Resource Information

URL: <http://crispor.tefor.net>

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Description: Web application that helps design, evaluate and clone guide sequences for the CRISPR/Cas9 system. This sgRNA design tool assists with guide selection in a variety of genomes and pre-calculated results for all human coding exons as a UCSC Genome Browser track.

Resource Type: software resource, web application

Defining Citation: [PMID:27380939](#)

Keywords: rna, sg, sgrna, crispr, genome, off-target, prediction, accuracy, clone, cas9, coding, exon

Funding: MRC 53658;
NIH Office of the Director U42 OD011174;
NHGRI U41 HG002371;
NCI U54 HG007990;
California Institute of Regenerative Medicine GC1R-06673C;
Agence Nationale pour la Recherche ;
Fondation pour la Recherche Médicale DEQ20140329544

Availability: Free, Available for download

Resource Name: CRISPOR

Resource ID: SCR_015935

Alternate URLs: <https://github.com/maximilianh/crisporWebsite>

License: GPLv3

License URLs: <http://crispor.tefor.net/LICENSE.txt>

Record Creation Time: 20220129T080328+0000

Record Last Update: 20250429T055758+0000

Ratings and Alerts

No rating or validation information has been found for CRISPOR.

No alerts have been found for CRISPOR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1122 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Krishnamoorthy VK, et al. (2025) NSD3 protein methylation and stabilization transforms human ES cells into variant state. Life science alliance, 8(3).

Angelova DM, et al. (2025) Single-cell RNA sequencing identifies CXADR as a fate determinant of the placental exchange surface. Nature communications, 16(1), 142.

Xiao J, et al. (2025) Coordination of Focal Adhesion Nanoarchitecture and Dynamics in Mechanosensing for Cardiomyoblast Differentiation. ACS applied materials & interfaces, 17(3), 4463.

Xiong Y-R, et al. (2025) Patterns of spontaneous and induced genomic alterations in Yarrowia lipolytica. Applied and environmental microbiology, 91(1), e0167824.

Yang Y, et al. (2025) High level non-carbapenemase carbapenem resistance by overlaying mutations of mexR, oprD, and ftsI in Pseudomonas aeruginosa. Microbiology spectrum, 13(1), e0139824.

Chen J, et al. (2025) Kinesin-7 CENP-E mediates centrosome organization and spindle assembly to regulate chromosome alignment and genome stability. *Cell proliferation*, 58(1), e13745.

Lazar S, et al. (2025) Argonaute2 modulates megakaryocyte development and sex-specific control of platelet protein expression and reactivity. *Scientific reports*, 15(1), 3590.

Debaenst S, et al. (2025) Crispr analysis in zebrafish as a tool for rapid functional screening of disease-causing genes for bone fragility. *eLife*, 13.

Ren BR, et al. (2025) Optimizing encephalomyocarditis virus VP1 protein assembly on pseudorabies virus envelope via US9 protein anchoring. *Virulence*, 16(1), 2445235.

Song N, et al. (2025) Semi-rational design and modification of phosphoketolase to improve the yield of tyrosol in *Saccharomyces cerevisiae*. *Synthetic and systems biotechnology*, 10(1), 294.

Zhang Y, et al. (2025) Potassium molybdate blocks APN-dependent coronavirus entry by degrading receptor via PIK3C3-mediated autophagy. *Journal of virology*, 99(1), e0144924.

Chung E, et al. (2025) The thin descending limb of the loop of Henle originates from proximal tubule cells during mouse kidney development. *bioRxiv : the preprint server for biology*.

Zeng S, et al. (2025) Inhibition of triglyceride metabolism-associated enhancers alters lipid deposition during adipocyte differentiation. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(2), e70347.

Chen YT, et al. (2025) Rapid and equipment-free identification of papaya mealybug *Paracoccus marginatus* based on RPA-CRISPR/Cas12a. *Pest management science*, 81(1), 230.

Egawa M, et al. (2025) Generation of Monosomy 21q Human iPS Cells by CRISPR/Cas9-Mediated Interstitial Megabase Deletion. *Genes to cells : devoted to molecular & cellular mechanisms*, 30(1), e13184.

Oo JA, et al. (2025) Long non-coding RNAs direct the SWI/SNF complex to cell type-specific enhancers. *Nature communications*, 16(1), 131.

Huynh D, et al. (2025) Effective in vivo binding energy landscape illustrates kinetic stability of RBPJ-DNA binding. *Nature communications*, 16(1), 1259.

Launay N, et al. (2025) Altered tubulin detyrosination due to SVBP malfunction induces cytokinesis failure and senescence, underlying a complex hereditary spastic paraplegia. *Aging cell*, 24(1), e14355.

Saitou H, et al. (2025) Characterization of a Novel Col1a1G643S/+ Osteogenesis Imperfecta Mouse Model with Insights into Skeletal Phenotype, Fragility, and Therapeutic Evaluations. *Calcified tissue international*, 116(1), 13.

Su D, et al. (2025) Identification of a distal enhancer of Ucp1 essential for thermogenesis and mitochondrial function in brown fat. *Communications biology*, 8(1), 31.