Resource Summary Report

Generated by NIF on Apr 22, 2025

CCTop

RRID:SCR_016890
Type: Tool

Proper Citation

CCTop (RRID:SCR_016890)

Resource Information

URL: https://crispr.cos.uni-heidelberg.de/

Proper Citation: CCTop (RRID:SCR_016890)

Description: Web tool for CRISPR/Cas9 target prediction. Identifies and ranks all candidate sgRNA target sites according to their off-target quality and displays full documentation.

Resource Type: software resource, data analysis software, data processing software, web application, software application, service resource

Defining Citation: PMID:25909470

Keywords: CRISPR, Cas9, target, prediction, sgRNA, site, data

Funding: European Research Council ;
German Research Foundation

Availability: Free, Freely available

Resource Name: CCTop

Resource ID: SCR_016890

Record Creation Time: 20220129T080332+0000

Record Last Update: 20250422T055953+0000

Ratings and Alerts

No rating or validation information has been found for CCTop.

No alerts have been found for CCTop.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 106 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Liang Z, et al. (2024) ALKBH5 governs human endoderm fate by regulating the DKK1/4-mediated Wnt/?-catenin activation. Nucleic acids research, 52(18), 10879.

Luanpitpong S, et al. (2024) OGT and OGA gene-edited human induced pluripotent stem cells for dissecting the functional roles of O-GlcNAcylation in hematopoiesis. Frontiers in cell and developmental biology, 12, 1361943.

Cui L, et al. (2024) Streptococcus pneumoniae extracellular vesicles aggravate alveolar epithelial barrier disruption via autophagic degradation of OCLN (occludin). Autophagy, 20(7), 1577.

Shan Y, et al. (2024) METTL3/METTL14 maintain human nucleoli integrity by mediating SUV39H1/H2 degradation. Nature communications, 15(1), 7186.

Ding X, et al. (2024) DNALI1 Promotes Neurodegeneration after Traumatic Brain Injury via Inhibition of Autophagosome-Lysosome Fusion. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(15), e2306399.

Zhang C, et al. (2024) HBO1 determines SMAD action in pluripotency and mesendoderm specification. Nucleic acids research, 52(9), 4935.

Yao ZQ, et al. (2024) The potential of HBV cure: an overview of CRISPR-mediated HBV gene disruption. Frontiers in genome editing, 6, 1467449.

Kalidasan V, et al. (2024) Investigating D-Amino Acid Oxidase Expression and Interaction Network Analyses in Pathways Associated With Cellular Stress: Implications in the Biology of Aging. Bioinformatics and biology insights, 18, 11779322241234772.

Zhu YJ, et al. (2024) Combinatorial expression of ?-protocadherins regulates synaptic connectivity in the mouse neocortex. eLife, 12.

Omata Y, et al. (2023) Essentiality of Nfatc1 short isoform in osteoclast differentiation and its self-regulation. Scientific reports, 13(1), 18797.

Kuci?ska MK, et al. (2023) TMX4-driven LINC complex disassembly and asymmetric autophagy of the nuclear envelope upon acute ER stress. Nature communications, 14(1), 3497.

Hastings JF, et al. (2023) Memory of stochastic single-cell apoptotic signaling promotes chemoresistance in neuroblastoma. Science advances, 9(9), eabp8314.

Chisada S, et al. (2023) A rad50 germline mutation induces tumorigenesis and ataxia-telangiectasia phenotype in a transparent medaka model. PloS one, 18(4), e0282277.

Ng M, et al. (2023) Myeloid leukemia vulnerabilities embedded in long noncoding RNA locus MYNRL15. iScience, 26(10), 107844.

Akram F, et al. (2022) CRISPR/Cas9: A revolutionary genome editing tool for human cancers treatment. Technology in cancer research & treatment, 21, 15330338221132078.

Ji J, et al. (2022) FBXO2 targets glycosylated SUN2 for ubiquitination and degradation to promote ovarian cancer development. Cell death & disease, 13(5), 442.

Yang H, et al. (2022) CRISPR/Cas9?induced saturated mutagenesis identifies Rad51 haplotype as a marker of PARP inhibitor sensitivity in breast cancer. Molecular medicine reports, 26(2).

You Y, et al. (2022) Alzheimer's disease associated AKAP9 I2558M mutation alters posttranslational modification and interactome of tau and cellular functions in CRISPR-edited human neuronal cells. Aging cell, 21(6), e13617.

Suliman M, et al. (2022) Inositol depletion regulates phospholipid metabolism and activates stress signaling in HEK293T cells. Biochimica et biophysica acta. Molecular and cell biology of lipids, 1867(6), 159137.

Li L, et al. (2022) African Swine Fever Virus pI215L Inhibits Type I Interferon Signaling by Targeting Interferon Regulatory Factor 9 for Autophagic Degradation. Journal of virology, 96(17), e0094422.