Resource Summary Report

Generated by kravitz2 on Jul 30, 2026

E-CRISP

RRID:SCR_019088
Type: Tool

Proper Citation

E-CRISP (RRID:SCR_019088)

Resource Information

URL: http://www.e-crisp.org/E-CRISP/

Proper Citation: E-CRISP (RRID:SCR_019088)

Description: Web application to design gRNA sequences. Uses algorithms to identify sgRNA target sequences in any nucleotide sequence for use in CRISPR/Cas mediated genome editing. Used for fast CRISPR target site identification. Enables designing of multiple libraries and creates genome scale libraries for several organisms in few hours.

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

Defining Citation: PMID:24481216

Keywords: gRNA sequence design, sgRNA target sequence identification, CRISPR, CRISPR/Cas mediated genome editing, library design, multiple libraries, genome scale libraries, bio.tools

Funding: European Research Council Advanced Grant of the European Commission

Availability: Free, Freely available

Resource Name: E-CRISP

Resource ID: SCR_019088

Alternate IDs: biotools:e-crisp

Alternate URLs: https://bio.tools/e-crisp

Record Creation Time: 20220129T080343+0000

Record Last Update: 20260729T044502+0000

Ratings and Alerts

No rating or validation information has been found for E-CRISP.

No alerts have been found for E-CRISP.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 129 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Yang W, et al. (2025) The TaCLE24b peptide signaling cascade modulates lateral root development and drought tolerance in wheat. Nature communications, 16(1), 1952.

Du D, et al. (2025) The Transcription Factor WFZP Interacts with the Chromatin Remodeler TaSYD to Regulate Root Architecture and Nitrogen Uptake Efficiency in Wheat. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(15), e2416433.

Okauchi N, et al. (2025) CXCL8 mediates macrophage migration in canine oral malignant melanoma. Scientific reports, 15(1), 38854.

Ford CA, et al. (2025) Targeting the PREX2/RAC1/PI3K?? Signaling Axis Confers Sensitivity to Clinically Relevant Therapeutic Approaches in Melanoma. Cancer research, 85(4), 808.

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

Kuehl J, et al. (2025) Genetic inactivation of FAAP100 causes Fanconi anemia due to disruption of the monoubiquitin ligase core complex. The Journal of clinical investigation, 135(11).

Wang Y, et al. (2025) Genome editing in spinocerebellar ataxia type 3 cells improves Golgi apparatus structure. Scientific reports, 15(1), 12106.

Xing Y, et al. (2025) An RNA helicase coordinates with iron signal regulators to alleviate chilling stress in Arabidopsis. Nature communications, 16(1), 3988.

Zhang X, et al. (2025) BFD2 mediates inflammation, apoptosis, and pre-anxiety-like behaviors induced by acute Toxoplasma gondii infection. PLoS neglected tropical diseases, 19(9), e0013428.

Liu J, et al. (2025) Decoupling the pleiotropic effects of VRT-A2 during reproductive development enhances wheat grain length and weight. The Plant cell, 37(2).

Chang S, et al. (2025) Lysine deacetylase TaSRT1 mediates wheat drought tolerance by deacetylating TaDT-A to reduce its protein stability and transcriptional activity. Plant

biotechnology journal, 23(5), 1650.

Wang HP, et al. (2025) Lacosamide Is a Novel Drug That Improves AGTPBP1 Knockout-Mediated Impairment of Neuronal and Dopaminergic Function. Molecular neurobiology, 62(9), 11986.

Chen S, et al. (2025) p53 transcriptionally activates DCP1B to suppress tumor progression and enhance tumor sensitivity to PI3K blockade in non-small cell lung cancer. Cell death and differentiation, 32(9), 1722.

Zhang B, et al. (2025) Phytochrome B and phytochrome-interacting-factor4 modulate tree seasonal growth in cold environments. Nature communications, 16(1), 8114.

Zhong XC, et al. (2025) Hsa_circ_0026782 Acts as a "Molecular Break" of CREB1-Mediated Transcription by Promoting Its Phosphorylation at Ser142 That Prevents Keloid Progression. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(40), e08647.

Meng H, et al. (2025) Regulatory Programmes Driving Suberin Plasticity Under Aluminium Stress in Barley Roots. Plant, cell & environment, 48(11), 7775.

Wu Z, et al. (2025) SMUG1 promoted the progression of pancreatic cancer via AKT signaling pathway through binding with FOXQ1. Chinese medical journal, 138(20), 2640.

Yang Y, et al. (2025) DNAJC12 downregulation induces neuroblastoma progression via increased histone H4K5 lactylation. Journal of molecular cell biology, 16(11).

Cao J, et al. (2024) Natural variation of STKc_GSK3 kinase TaSG-D1 contributes to heat stress tolerance in Indian dwarf wheat. Nature communications, 15(1), 2097.

Shen S, et al. (2024) Tripartite Motif-Containing Protein 65 (TRIM65) Inhibits Hepatitis B Virus Transcription. Viruses, 16(6).