

Resource Summary Report

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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: data access protocol, web service, software resource

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: 20260820T054930+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 147 mentions in open access literature.

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

Zhang R, et al. (2026) Phase-Separation of YAP Mediates AJUBA Super Enhancer Activation to Promote Aberrant Mitosis in Breast Cancer. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(8), e09341.

Zhang Y, et al. (2026) Cytosolic acetyl-coenzyme A is a signalling metabolite to control mitophagy. Nature, 649(8098), 1022.

Song D, et al. (2026) PKM2 phosphorylation by c-SRC activates glycolysis and metastasis with the stimulation of tumor-associated macrophages. Cell communication and signaling : CCS, 24(1).

Zhang G, et al. (2026) CORO1C (coronin 1C) promotes autophagosome formation by coordinating branched actin network dynamics. Autophagy, 22(7), 1601.

Jin R, et al. (2026) LATS kinase activity and tumor suppressor function are regulated by a second autophosphorylation site. The Journal of biological chemistry, 302(7), 113177.

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.

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.

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.

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).

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.

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.

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

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

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).

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.