Resource Summary Report

Generated by NIF on Apr 22, 2025

CELLO

RRID:SCR_011968

Type: Tool

Proper Citation

CELLO (RRID:SCR_011968)

Resource Information

URL: http://cello.life.nctu.edu.tw/

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Description: A subCELlular LOcalization predictor based on a multi-class support vector machine (SVM) classification system. CELLO uses 4 types of sequence coding schemes: the amino acid composition, the di-peptide composition, the partitioned amino acid composition and the sequence composition based on the physico-chemical properties of amino acids. They combine votes from these classifiers and use the jury votes to determine the final assignment.

Abbreviations: CELLO

Synonyms: CELLO: subCELlular LOcalization predictor

Resource Type: analysis service resource, service resource, data analysis service,

production service resource

Defining Citation: PMID:15096640

Keywords: dna, protein, proteomic, genomic

Funding:

Availability: Acknowledgement requested

Resource Name: CELLO

Resource ID: SCR 011968

Alternate IDs: OMICS_01618

Record Creation Time: 20220129T080307+0000

Record Last Update: 20250422T055637+0000

Ratings and Alerts

No rating or validation information has been found for CELLO.

No alerts have been found for CELLO.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 866 mentions in open access literature.

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

Fang H, et al. (2025) Unveiling the Role of GhP5CS1 in Cotton Salt Stress Tolerance: A Comprehensive Genomic and Functional Analysis of P5CS Genes. Plants (Basel, Switzerland), 14(2).

Wu Z, et al. (2025) PcNAC25, a NAC transcription factor of Pugionium cornutum(L.) Gaertn conferring enhanced drought and salt stress tolerances in Arabidopsis. Scientific reports, 15(1), 1501.

Meng X, et al. (2025) Genome-wide analyses of the NAC transcription factor gene family in Acer palmatum provide valuable insights into the natural process of leaf senescence. PeerJ, 13, e18817.

Wang Y, et al. (2025) Identification of the CaCRT gene family and function of CaCRT1 under low-temperature stress in pepper (Capsicum annuum L.). Scientific reports, 15(1), 90.

Zhou YQ, et al. (2025) Proteomic characterization of molecular mechanisms of paraquatinduced lung injury in a mouse model. Respiratory research, 26(1), 1.

Zhao Y, et al. (2025) Genome-Wide Identification of CONSTANS-like (COL) Gene Family and the Potential Function of ApCOL08 Under Salt Stress in Andrographis paniculata. International journal of molecular sciences, 26(2).

Anwar A, et al. (2025) Genome-wide identification of MGT gene family in soybean (Glycine max) and their expression analyses under magnesium stress conditions. BMC plant biology,

Rizwan HM, et al. (2025) The members of zinc finger-homeodomain (ZF-HD) transcription factors are associated with abiotic stresses in soybean: insights from genomics and expression analysis. BMC plant biology, 25(1), 56.

Zafar S, et al. (2025) Molecular dynamics simulation based prediction of T-cell epitopes for the production of effector molecules for liver cancer immunotherapy. PloS one, 20(1), e0309049.

Yang C, et al. (2025) ClaPEPCK4: target gene for breeding innovative watermelon germplasm with low malic acid and high sweetness. GM crops & food, 16(1), 156.

Kant R, et al. (2024) Artificial intelligence-driven reverse vaccinology for Neisseria gonorrhoeae vaccine: Prioritizing epitope-based candidates. Frontiers in molecular biosciences, 11, 1442158.

Wang X, et al. (2024) An insight into the roles of ubiquitin-specific proteases in plants: development and growth, morphogenesis, and stress response. Frontiers in plant science, 15, 1396634.

Su Z, et al. (2024) TNF-?-Induced KAT2A Impedes BMMSC Quiescence by Mediating Succinylation of the Mitophagy-Related Protein VCP. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(10), e2303388.

Zheng J, et al. (2024) Identification and function analysis of GABA branch three gene families in the cotton related to abiotic stresses. BMC plant biology, 24(1), 57.

He X, et al. (2024) Tumor-derived apoptotic extracellular vesicle-mediated intercellular communication promotes metastasis and stemness of lung adenocarcinoma. Bioactive materials, 36, 238.

Lin WL, et al. (2024) Integrated 4D label-free proteomics and data mining to elucidate the effects of thermal processing on crisp grass carp protein profiles. Current research in food science, 8, 100681.

Kazemi-Roudsari M, et al. (2024) Design of an oral vaccine using Lactococcus lactis against brucellosis: an in vitro and in vivo study. AMB Express, 14(1), 2.

Yu H, et al. (2024) Targeted Delivery of Geraniol via Hyaluronic Acid-Conjugation Enhances Its Anti-Tumor Activity Against Prostate Cancer. International journal of nanomedicine, 19, 155.

Wen K, et al. (2024) The effect of age on aqueous humor of humans with high myopia. Molecular vision, 30, 137.

Xiong Z, et al. (2024) Characterization and functional analysis of chicken CDK protein. Poultry science, 103(7), 103833.