

Resource Summary Report

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CR-EST - Crop ESTs

RRID:SCR_007612

Type: Tool

Proper Citation

CR-EST - Crop ESTs (RRID:SCR_007612)

Resource Information

URL: <http://pgrc.ipk-gatersleben.de/cr-est>

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Description: The Crop EST Database (CR-EST) is a public available online resource providing access to sequence, classification, clustering, and annotation data of crop EST projects at the IPK. Summarized numbers about genomic data of species are listed in tables. The main database content is original sequence data and cDNA library information from different organisms as well as results from BlastX searches against major protein sequence databases contained in NRPEP. Additionally sequence alignments of stackPACK clustering projects are available. This web application allows to BLAST against CR-EST ESTs and to query and retrieve data from Gene Ontology and metabolic pathway annotations as well as sequence similarities from stored results of BLASTX searches against the NRPEP database. CR-EST also features interactive JAVA-based tools, such as open reading frame visualization and explorative analysis of Gene Ontology mappings to ESTs.

Synonyms: Crop EST

Resource Type: data or information resource, database

Resource Name: CR-EST - Crop ESTs

Resource ID: SCR_007612

Alternate IDs: nif-0000-02695, r3d100010124

Alternate URLs: <https://doi.org/10.17616/R3ZP4W>

Record Creation Time: 20220129T080242+0000

Record Last Update: 20260729T044152+0000

Ratings and Alerts

No rating or validation information has been found for CR-EST - Crop ESTs.

No alerts have been found for CR-EST - Crop ESTs.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Delventhal R, et al. (2014) Ectoparasitic growth of Magnaporthe on barley triggers expression of the putative barley wax biosynthesis gene CYP96B22 which is involved in penetration resistance. BMC plant biology, 14, 26.

Gruszka D, et al. (2012) The barley EST DNA Replication and Repair Database (bEST-DRRD) as a tool for the identification of the genes involved in DNA replication and repair. BMC plant biology, 12, 88.

Worch S, et al. (2011) Haplotyping, linkage mapping and expression analysis of barley genes regulated by terminal drought stress influencing seed quality. BMC plant biology, 11, 1.

K??nne C, et al. (2005) CR-EST: a resource for crop ESTs. Nucleic acids research, 33(Database issue), D619.

Galperin MY, et al. (2005) The Molecular Biology Database Collection: 2005 update. Nucleic acids research, 33(Database issue), D5.