

Resource Summary Report

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PGN

RRID:SCR_004559

Type: Tool

Proper Citation

PGN (RRID:SCR_004559)

Resource Information

URL: <http://pgn.cornell.edu/>

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Description: Resource for the storage, retrieval and annotation of plant ESTs, with a focus on comparative genomics. PGN comprises an analysis pipeline and a website, and presently contains mainly data from the Floral Genome Project. However, it accepts submission from other sources. All data in PGN is directly derived from chromatograms and all original and intermediate data are stored in the database. The current datasets on PGN come from the floral genome project and includes the following species: *Acorus americanus*, *Amborella trichopoda*, *Asparagus officinalis*, *Cucumis sativus*, *Eschscholzia californica*, *Illicium parviflorum*, *Ipomopsis aggregata*, *Liriodendron tulipifera*, *Mesembryanthemum crystallinum*, *Mimulus guttatus*, *Nuphar advena*, *Papaver somniferum*, *Persea americana*, *Prymnesium parvum*, *Ribes americanum*, *Saruma henryi*, *Stenogyne rugosa*, *Vaccinium corymbosa*, *Welwitschia mirabilis*, *Yucca filamentosa*, *Zamia fischeri*. For functional annotation, blast is used to compare find the best match of each unigene sequence to in the Genbank NR database, and the in complete coding sequences from Arabidopsis. These annotations are stored in the database and serve as the primary source of annotation. The annotation framework will be extended to Gene Ontology annotations in the future.

Abbreviations: PGN

Synonyms: PGN - Plant Genome Network, Plant Genome Network

Resource Type: service resource, data set, data or information resource, data repository, data analysis service, storage service resource, database, production service resource, analysis service resource

Keywords: expressed sequence tag, genomics, functional annotation, blast, sequencing, chromatogram

Funding: NSF DBI-9872617;
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Resource Name: PGN

Resource ID: SCR_004559

Alternate IDs: nlx_55223

Record Creation Time: 20220129T080225+0000

Record Last Update: 20260729T044101+0000

Ratings and Alerts

No rating or validation information has been found for PGN.

No alerts have been found for PGN.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.