Resource Summary Report

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GeneWindow

RRID:SCR_008183
Type: Tool

Proper Citation

GeneWindow (RRID:SCR_008183)

Resource Information

URL: http://genewindow.nci.nih.gov/

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Description: Software tool for pre- and post-genetic bioinformatics and analytical work, developed and used at the Core Genotyping Facility (CGF) at the National Cancer Institute. While Genewindow is implemented for the human genome and integrated with the CGF laboratory data, it stands as a useful tool to assist investigators in the selection of variants for study in vitro, or in novel genetic association studies. The Genewindow application and source code is publicly available for use in other genomes, and can be integrated with the analysis, storage, and archiving of data generated in any laboratory setting. This can assist laboratories in the choice and tracking of information related to genetic annotations, including variations and genomic positions. Features of GeneWindow include: -Intuitive representation of genomic variation using advanced web-based graphics (SVG) -Search by HUGO gene symbol, dbSNP ID, internal CGF polymorphism ID, or chromosome coordinates -Gene-centric display (only when a gene of interest is in view) oriented 5 to 3 regardless of the reference strand and adjacent genes -Two views, a Locus Overview, which varies in size depending on the gene or genomic region being viewed and, below it, a Sequence View displaying 2000 base pairs within the overview -Navigate the genome by clicking along the gene in the Locus Overview to change the Sequence View, expand or contract the genomic interval, or shift the view in the 5 or 3 direction (relative to the current gene) -Lists of available genomic features -Search for sequence matches in the Locus Overview -Genomic features are represented by shape, color and opacity with contextual information visible when the user moves over or clicks on a feature -Administrators can insert newly-discovered polymorphisms into the Genewindow database by entering annotations directly through the GUI -Integration with a Laboratory Information Management System (LIMS) or other databases is possible

Synonyms: GeneWindow

Resource Type: data analysis software, data processing software, software application, software resource

Keywords: gene, genetic, analysis, annotation, archive, bioinformatic, cancer, genome, genomic, genotype, genotyping, human, human genome databases, maps, polymorphism, position, variation, data set

Resource Name: GeneWindow

Resource ID: SCR_008183

Alternate IDs: nif-0000-21173

Record Creation Time: 20220129T080246+0000

Record Last Update: 20260919T195136+0000

Ratings and Alerts

No rating or validation information has been found for GeneWindow.

No alerts have been found for GeneWindow.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Kuppusamy H, et al. (2014) Inherited polymorphisms in hyaluronan synthase 1 predict risk of systemic B-cell malignancies but not of breast cancer. PloS one, 9(6), e100691.