Resource Summary Report

Generated by Kravitz on Sep 10, 2026

RefGenome

RRID:SCR_004263
Type: Tool

Proper Citation

RefGenome (RRID:SCR_004263)

Resource Information

URL: http://www.geneontology.org/GO.refgenome.shtml

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Description: The GO Consortium coordinates an effort to maximize and optimize the GO annotation of a large and representative set of key genomes, known as "reference genomes". The goal of the Reference Genome Annotation project is to completely annotate twelve reference genomes so that those annotations may be used to effectively seed the automatic annotation efforts of other genomes. With more and more genomes being sequenced, we are in the middle of an explosion of genomic information. The limited resources to manually annotate the growing number of sequenced genomes imply that automatic annotation will be the method of choice for many groups. The Reference Genome project has two primary goals: to increase the depth and breadth of annotations for genes in each of the organisms in the project, and to create data sets and tools that enable other genome annotation efforts to infer GO annotations for homologous genes in their organisms. In addition, the project has several important incidental benefits, such as increasing annotation consistency across genome databases, and providing important improvements to the GO"s logical structure and biological content. All GO annotations from this project are included in the gene association files that each group submits to GO. Annotations can also be viewed using the GO search engine and browser AmiGO. Annotated families can be viewed with the homolog set browser.

Abbreviations: RefGenome

Synonyms: Reference Genome Annotation Project, Reference Genome Project

Resource Type: data or information resource, data set

Defining Citation: PMID:19578431

Resource Name: RefGenome

Resource ID: SCR_004263

Alternate IDs: nlx_27840

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260905T133325+0000

Ratings and Alerts

No rating or validation information has been found for RefGenome.

No alerts have been found for RefGenome.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Bergholtz H, et al. (2022) Comparative analysis of the molecular subtype landscape in canine and human mammary gland tumors. Journal of mammary gland biology and neoplasia, 27(2), 171.

Wu G, et al. (2022) An in silico genome-wide screen for circadian clock strength in human samples. Bioinformatics (Oxford, England), 38(24), 5375.

Alessandr?? L, et al. (2019) rCASC: reproducible classification analysis of single-cell sequencing data. GigaScience, 8(9).

Majewska M, et al. (2017) Transcriptome profile of the human placenta. Functional & integrative genomics, 17(5), 551.

Tweedie S, et al. (2009) FlyBase: enhancing Drosophila Gene Ontology annotations. Nucleic acids research, 37(Database issue), D555.

Barrell D, et al. (2009) The GOA database in 2009--an integrated Gene Ontology Annotation resource. Nucleic acids research, 37(Database issue), D396.

Carbon S, et al. (2009) AmiGO: online access to ontology and annotation data. Bioinformatics (Oxford, England), 25(2), 288.