Resource Summary Report

Generated by dkNET on May 11, 2025

Homologous Invertebrate Genes Database

RRID:SCR_007716
Type: Tool

Proper Citation

Homologous Invertebrate Genes Database (RRID:SCR_007716)

Resource Information

URL: http://pbil.univ-lyon1.fr/databases/hoinvgen/HOINVGEN.html

Proper Citation: Homologous Invertebrate Genes Database (RRID:SCR_007716)

Description: A database of homologous invertebrate genes, structured under ACNUC sequence database management system. It allows one to select sets of homologous genes among invertebrate species, and to visualize multiple alignments and phylogenetic trees. The database itself contains all invertebrate protein sequences from UniProt (SWISS-PROT+TrEMBL), with some data corrected, clarified or completed (notably to address the problem of redundancy and orthology/paralogy) and with some annotation modifications. It contains also all the corresponding nucleotide sequences in EMBL. Homologous proteins are classified into families and multiple alignments and phylogenetic trees are computed for each family. Sequences and related information have been structured in an ACNUC database. Thus, HOINVGEN is particularly useful for comparative sequence analysis, phylogeny and molecular evolution studies. More generally, HOINVGEN gives an overall view of what is known about a peculiar gene family.

Synonyms: HOINVGEN

Resource Type: data or information resource, database

Keywords: homologous inverterbrate genes, invertebrate

Funding:

Resource Name: Homologous Invertebrate Genes Database

Resource ID: SCR_007716

Alternate IDs: nif-0000-02971

Record Creation Time: 20220129T080243+0000

Record Last Update: 20250507T060518+0000

Ratings and Alerts

No rating or validation information has been found for Homologous Invertebrate Genes Database.

No alerts have been found for Homologous Invertebrate Genes Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.