

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

Homologous Sequences in Ensembl Animal Genomes

RRID:SCR_008356

Type: Tool

Proper Citation

Homologous Sequences in Ensembl Animal Genomes (RRID:SCR_008356)

Resource Information

URL: <http://pbil.univ-lyon1.fr/databases/homolens.php>

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Description: Database of homologous genes from Ensembl organisms, structured under ACNUC sequence database management system. It allows to select sets of homologous genes among species, and to visualize multiple alignments and phylogenetic trees. It is possible to search for orthologous genes in a wide range of taxons. HOMOLENS is particularly useful for comparative sequence analysis, phylogeny and molecular evolution studies. More generally, HOMOLENS gives an overall view of what is known about a peculiar gene family. Note that HOMOLENS is split into two databases on this server: HOMOLENS contains the protein sequences while HOMOLENSDNA contains the nucleotide sequences. Protein sequences of HOMOLENS have been generated by translating the CDS of HOMOLENSDNA and using associated cross-references to generate the annotations.

Abbreviations: HOMOLENS

Resource Type: data or information resource, database

Keywords: ensembl, evolution, gene, alignment, comparative, homologous, molecular, nucleotide, organism, phylogenetic, phylogeny, protein, sequence, specie, structure, taxon, bio.tools

Resource Name: Homologous Sequences in Ensembl Animal Genomes

Resource ID: SCR_008356

Alternate IDs: biotools:homolens, nif-0000-25424

Alternate URLs: <https://bio.tools/homolens>

Record Creation Time: 20220129T080247+0000

Record Last Update: 20260905T133152+0000

Ratings and Alerts

No rating or validation information has been found for Homologous Sequences in Ensembl Animal Genomes.

No alerts have been found for Homologous Sequences in Ensembl Animal Genomes.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Pallar??s ME, et al. (2021) Early-Life Stress Reprograms Stress-Coping Abilities in Male and Female Juvenile Rats. Molecular neurobiology, 58(11), 5837.

Wheeler MA, et al. (2019) Environmental Control of Astrocyte Pathogenic Activities in CNS Inflammation. Cell, 176(3), 581.

Bigot T, et al. (2013) TPMS: a set of utilities for querying collections of gene trees. BMC bioinformatics, 14, 109.