

Resource Summary Report

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UniProt Chordata protein annotation program

RRID:SCR_007071

Type: Tool

Proper Citation

UniProt Chordata protein annotation program (RRID:SCR_007071)

Resource Information

URL: <http://www.uniprot.org/program/Chordata>

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Description: Data set of manually annotated chordata-specific proteins as well as those that are widely conserved. The program keeps existing human entries up-to-date and broadens the manual annotation to other vertebrate species, especially model organisms, including great apes, cow, mouse, rat, chicken, zebrafish, as well as *Xenopus laevis* and *Xenopus tropicalis*. A draft of the complete human proteome is available in UniProtKB/Swiss-Prot and one of the current priorities of the Chordata protein annotation program is to improve the quality of human sequences provided. To this aim, they are updating sequences which show discrepancies with those predicted from the genome sequence. Dubious isoforms, sequences based on experimental artifacts and protein products derived from erroneous gene model predictions are also revisited. This work is in part done in collaboration with the Hinxton Sequence Forum (HSF), which allows active exchange between UniProt, HAVANA, Ensembl and HGNC groups, as well as with RefSeq database. UniProt is a member of the Consensus CDS project and they are in the process of reviewing their records to support convergence towards a standard set of protein annotation. They also continuously update human entries with functional annotation, including novel structural, post-translational modification, interaction and enzymatic activity data. In order to identify candidates for re-annotation, they use, among others, information extraction tools such as the STRING database. In addition, they regularly add new sequence variants and maintain disease information. Indeed, this annotation program includes the Variation Annotation Program, the goal of which is to annotate all known human genetic diseases and disease-linked protein variants, as well as neutral polymorphisms.

Abbreviations: Chordata protein annotation program

Resource Type: data or information resource, data set

Keywords: chordata, protein, protein annotation, functional annotation, human, non-human vertebrate, xenopus laevis, xenopus tropicalis, zebrafish, protein sequence, protein sequencing, nucleotide sequence, sequence, annotation, sequence variant, disease, proteome, gold standard

Funding:

Resource Name: UniProt Chordata protein annotation program

Resource ID: SCR_007071

Alternate IDs: nlx_143879

Record Creation Time: 20220129T080239+0000

Record Last Update: 20250429T055129+0000

Ratings and Alerts

No rating or validation information has been found for UniProt Chordata protein annotation program.

No alerts have been found for UniProt Chordata protein annotation program.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.