



DisProt



IST

Database of Protein Disorder

The Center for Computational Biology and Bioinformatics at Indiana University and The Center for Information Science and Technology at Temple University are pleased to announce a new release of **DisProt**.

DisProt is a curated online database of disordered proteins, that provides structure and function information about proteins that do not have fixed 3-D structure under putatively native conditions, either in their entirety or in part.

DisProt aims to become a central repository of disorder-related information. For each disordered protein, the database includes the name of the protein, various aliases, accession codes, amino acid sequence, location of the disordered region(s), and methods used for structural (disorder) characterization. If applicable, the biological function and the functional mode of each disordered region is also listed.

DisProt was originally developed as a collaboration between Keith Dunker's group and Zoran Obradovic's group at Temple University. Keith Dunker's group at Indiana University assumed the hosting and annotation responsibilities of DisProt on February 14, 2005.

The latest DisProt release (2.1) incorporates a new layout for the home page. In addition, six proteins and 88 disordered regions were added.

DisProt Release 2.1 (March 14, 2005) consists of:

- 185 disordered protein entries
- 378 disordered regions

DisProt 2.1 can be accessed from the web at: <http://www.disprot.org>

To facilitate disorder-related research, protein and region information can be downloaded for single proteins or the entire database in XML or FASTA format.

* News *

DisProt was cited in a recent review entitled "Intrinsically unstructured proteins and their functions" (Dyson HJ & Wright PE, 2005, Nat Rev Mol Cell Biol 6:197-208).

* For questions, comments and suggestions about DisProt implementation, please send an email to disprot@disprot.org

* For questions, comments and suggestions about DisProt database content, please send an email to annotator@disprot.org

* To report technical problems with any of the web pages, please send an email to webmaster@disprot.org

DisProt is updated monthly.

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