

MINT: a Molecular INTeractions Database

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We are developing a relational database of Molecular INTeraction (MINT) which stores information about protein-protein interactions and protein-DNA interactions. It will also include data from phage display experiments. Data will be retrieved from peer-reviewed journals and manually submitted to database by the curators.

Each database record contains information about the interacting partners (accession numbers, organism, domain name and sequence range) the experiments that permitted to infer the interaction, (experimental methods, PubMed reference (2)) and the interaction itself (binds to, phosphorylates, ubiquitinates etc.). The accession numbers allow cross-referencing with other databases of biological interest (1,2). It will soon be possible to visualize the interactions networks through a graphical interface. We are working on the implementation of MINT with a set of computational tools to infer new potential interactions.

1. Bairoch A et al. The SWISS-PROT protein sequence database and its supplement TrEMBL in 2000. *Nucleic Acids Res.* (2000) 28, 45-48.
2. David L. et al. Database resources of the National Center for Biotechnology Information. *Nucleic Acids Res.* (2001) 29: 11-16.