GRBase, a new gene regulation data base available by anonymous ftp

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ABSTRACT

The Gene Regulation Database (GRBase) is a compendium of information on the structure and function of proteins involved in the control of gene expression in eukaryotes. These proteins include transcription factors, proteins involved in signal transduction, and receptors. The database can be obtained by FTP in Filemaker Pro, text, and postscript formats. The database will be expanded in the coming year to include reviews on families of proteins involved in gene regulation and to allow online searching.

We have set up a gene regulation database that can be obtained by anonymous ftp. The database focuses on the structure and function of these proteins and the relationships between members of protein families. In its final form, we expect to have individual files on proteins of interest, together with review articles on the various families of these proteins. The database currently contains information on only a subset of proteins involved in gene regulation but is expanding rapidly. Each entry details the name(s), protein size, DNA recognition sequence (if any), accession numbers, chromosome location, mRNA size and expression, key journal articles and an overview of the structure and function of the protein and related proteins. The information in the database is taken from the literature and from other databases.

Submission of new information (other than protein or DNA sequences) or corrections to the database are encouraged. We

will include information on any protein that is involved in the control of gene expression in eukaryotes. A database submission form is available by sending an E-mail message to regulate@access.digex.net with the words 'database submission form' in the body of the message.

The database can be obtained free of charge by anonymous ftp via internet:

address: [ftp.trevigen.com](ftp://ftp.trevigen.com) (164.109.10.23)

user name: anonymous

password: user's E-mail address

The database is located in the pub/Tfactors directory. The file `aaareadme.txt` contains the latest information on the database in text format. Currently, the database can be obtained as a Filemaker Pro document or as a text file. Diskettes of the database can be obtained from Trevigen Inc. (800) TREVIGEN or (301) 216 2801 (fax). We are planning to install a Gopher sever in the near future. Details can be obtained from the E-mail address below.

Submissions to, or comments on, the database can be sent by E-mail to regulate@access.digex.net.

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