THE EUKARYOTIC PROMOTER DATABASE

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The Eukaryotic Promoter Database (EPD) is an annotated non-redundant collection of eukaryotic POL II promoters, for which the transcription start site has been determined experimentally. Access to promoter sequences is provided by pointers to positions in nucleotide sequence entries. The annotation part of an entry includes description of the initiation site mapping data, exhaustive cross-references to the EMBL nucleotide sequence database, SWISS PROT, TRANSFAC, and other databases, as well as bibliographic references. EPD is structured in a way that facilitates dynamic extraction of biologically meaningful promoter subsets for comparative sequence analysis. Recently, new web-based interfaces have been developed that enable the user to view EPD entries in different formats, to select and extract promoter sequences according to a variety of criteria, and to navigate to related databases exploiting newly introduced cross-references. The WWW-based user interfaces can be accessed at `http://www.epd.isb-sib.ch`

References

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