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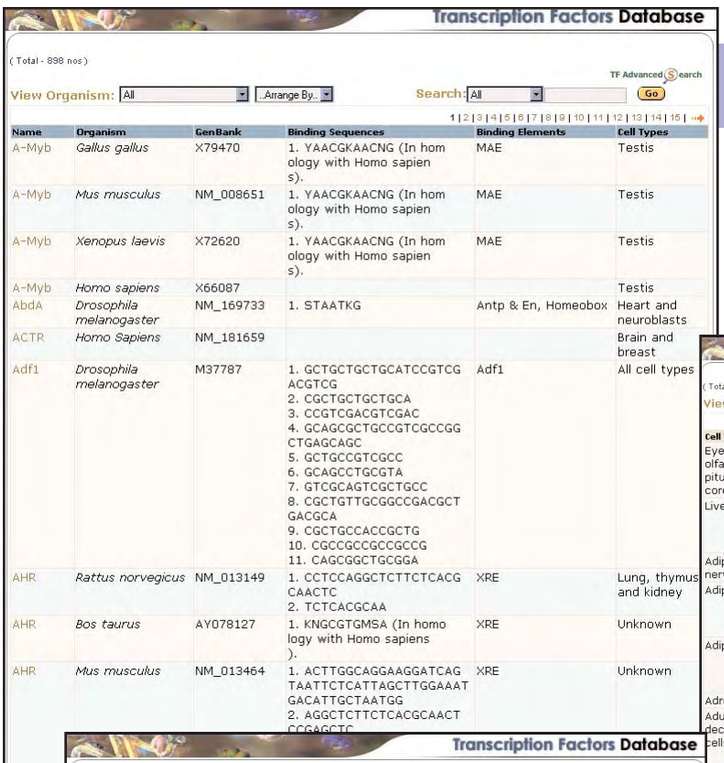
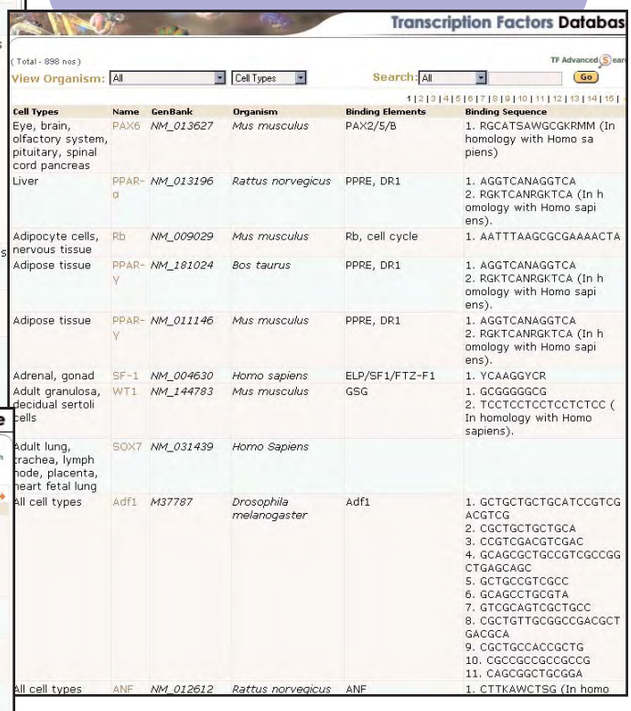
Transcription Factor Database

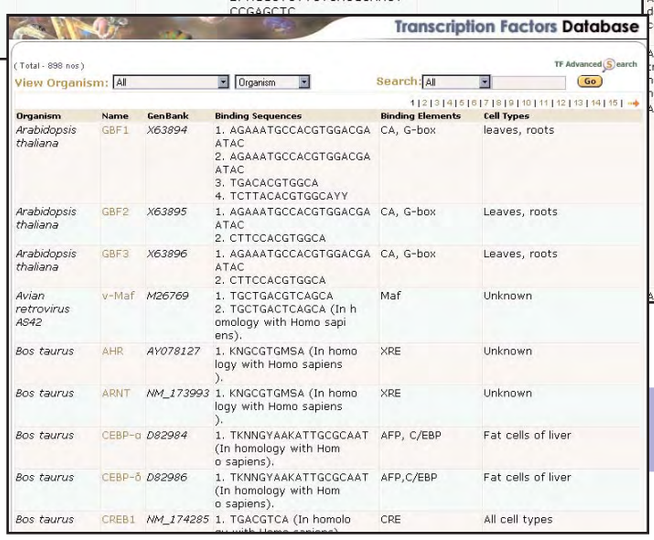
The Protein Lounge Transcription Factor Database is a resource housing information relating to transcription factors of humans and other organisms. This database is organized by the transcription factor names, organism specification, binding sequences, binding elements and cell type specification. Transcription factors are proteins involved in the regulation of gene expression that bind to the promoter elements upstream of genes and either facilitate or inhibit transcription. Through this process they control and regulate gene expression. Transcription factors are composed of two essential functional regions: a DNA-binding domain and an activator domain. The DNA-binding domain consists of amino acids that recognize specific DNA bases near the start of transcription. The Transcription Factor database contains all necessary information about the transcription factors such as its classification, specific functions, DNA sequence, domains, structures, interaction with other proteins, its allied members and role in specific diseases. One can also get information about the pathways related to the specific transcription factors. It is our goal to offer a reliable up-to-date resource on transcription factors that can be utilized by researchers in studying gene expression.



Transcription Factors shown as sorted by their names.



Transcription Factors shown as sorted by the different cell types which they are present.



Transcription Factors shown as sorted by the different organisms in which they are present.

FOR MORE INFORMATION
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