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by

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GeneGobi: Software for the exploratory analysis of biochemical systems

ABSTRACT

GeneGobi is a software tool for analyzing multivariate data related to biochemical systems. It provides a biologist-friendly interface to GGobi, a mature tool for exploratory multivariate visualization and analysis. It allows plotting and touring of data in high dimensions. GeneGobi facilitates the biologist's task of managing data describing the transcriptome, proteome, and metabolome, and supports integration of such data through biochemical networks. It also features pluggable analysis routines, such as hierarchical clustering and pattern finding, written in the statistical language R, upon which GeneGobi is based. The user may focus the analysis on particular experiments and stored lists of interesting transcripts, proteins, and/or metabolites.