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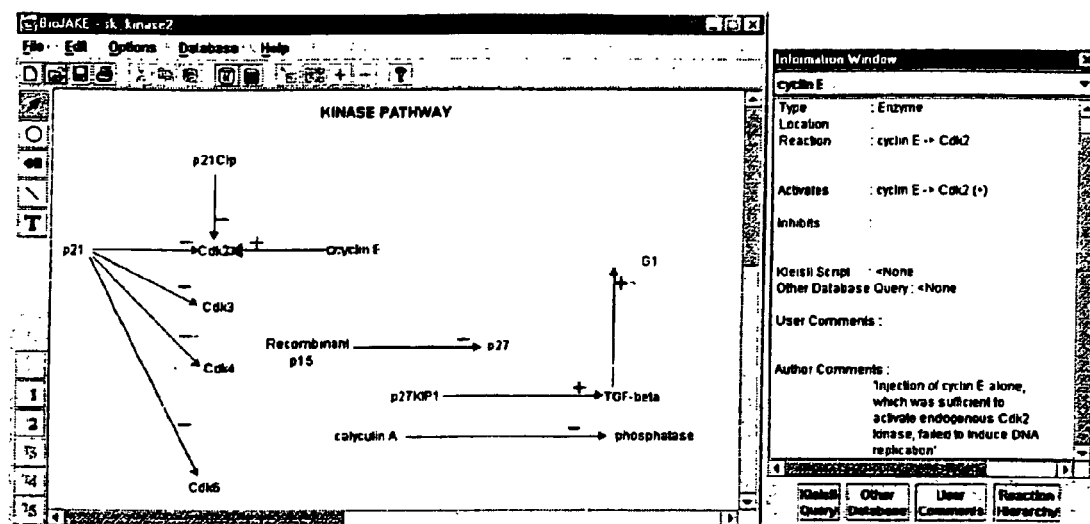
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(54) Title: A PROTEIN INTERACTION EXTRACTION SYSTEM



(57) Abstract: The Protein Interaction Extraction System (PIES) is a means for automatic pathway discovery from online text abstracts. It combine technologies that (a) retrieve abstracts from online sources, (b) extract relevant protein interaction information from free texts, (c) present the extracted information graphically and intuitively, and optionally (d) allow (possibly customised) queries to be attached and launched from the graphical interface. It can further support sophisticated manipulations of the extracted pathways. It can also be set to periodically/routinely scan online scientific literature for automatic discovery of new protein interactions, giving modern scientists the necessary competitive edge in managing the information explosion in this electronic age.



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