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BiNoM: a Cytoscape plugin for manipulating and analyzing biological networks

BiNoM (BIological NetwOrk Manager) is a new bioinformatics
software which significantly facilitates the usage and the
analysis of biological networks in standard systems biology
formats (SBML, SBGN, BioPAX). BiNoM implements a full-featured
BioPAX editor and a method of ``interfaces'' for accessing BioPAX
content. BiNoM is able to work with huge BioPAX files such as
whole pathway databases. In addition, BiNoM allows the analysis of
networks created with CellDesigner software and their conversion
into BioPAX format. BiNoM comes as a library and as a Cytoscape
plugin which adds a rich set of operations to Cytoscape such as
path and cycle analysis, clustering sub-networks, decomposition of
network into modules, clipboard operations and others.

Last version of BiNoM together with documentation, source code and API is available at
http://bioinfo.curie.fr/projects/binom

Keywords: cytoscape, systems biology standards, network structural analysis, pathway database, pathway visualization