

The TRANSPATH® Database

TRANSPATH® is a database of mammalian biological pathways and networks. As one of the earliest pathway databases ever created (Nucleic Acids Res. 27:318-322, 1999), it has grown since to the remarkable volume of nearly 500,000 manually curated reactions.

TRANSPATH® is available as stand-alone solution, either for online access or as downloadable flat files. It can also be obtained as integral part of the HumanPSD database, which provides a rich compendium of additional information on human, mouse or rat genes and proteins.

geneXplain platform, supporting geneXplain's proprietary upstream analysis.

Applications

Whether you use it as encyclopedia of signal transduction or metabolic pathways, for the visualization of pathway connections between any molecules of interest, or for identifying master regulators as potential drug targets: You will be surprised by the versatility of this valuable resource.

Further reading

Krull et al. (2006) TRANSPATH: an information resource for storing and visualizing signaling pathways and their pathological aberrations. Nucleic Acids Res. 34:D546-D551.

Pathway Analysis with geneXplain:
<http://www.genexplain.com/pathway-analysis>

About geneXplain

GeneXplain's mission is to provide a comprehensive platform for bioinformatic, systems biological and cheminformatic tools. The raison d'être of this platform is to assist translational research in the life sciences, mainly in the context of personalized medicine and pharmacogenomics. We intend to make our expertise available to academic and commercial partners in collaborative research projects.

To achieve this, geneXplain also offers:

- The geneXplain platform providing a large number of bioinformatic and systems biological data analysis workflows. Unique is geneXplain's Upstream Analysis for causal interpretation of expression data.
- TRANSFAC®, the gold standard database on transcriptional regulation, containing the most comprehensive library of protein-interacting DNA sequence motifs.
- HumanPSD, a rich information resource connecting pathways with targets, drugs and clinical trials.
- PASS and PharmaExpert for predicting biological activities of compounds qualitatively
- GUSAR for QSAR model building and quantitative activity prediction

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*The database of
biological networks*

TRANSPATH®



