Resource Summary Report

Generated by NIF on May 9, 2025

Yeast Transfactome Database

RRID:SCR_000599
Type: Tool

Proper Citation

Yeast Transfactome Database (RRID:SCR_000599)

Resource Information

URL: http://bussemakerlab.org/YeastTransfactomeDB/

Proper Citation: Yeast Transfactome Database (RRID:SCR_000599)

Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on July 15, 2013. A repository of sequence specificity models and condition-specific regulatory activities for a large number of DNA- and RNA-binding proteins in Saccharomyces cerevisiae. Accurate and comprehensive information about the nucleotide sequence specificity of trans-acting factors (TFs) is essential for computational and experimental analyses of gene regulatory networks. The sequence specificities in TransfactomeDB, represented as position-specific affinity matrices (PSAMs), are directly estimated from genomewide measurements of TF-binding using our previously published MatrixREDUCE algorithm, which is based on a biophysical model. For each mRNA expression profile in the NCBI Gene Expression Omnibus, we used sequence-based regression analysis to estimate the post-translational regulatory activity of each TF for which a PSAM is available. The trans-factor activity profiles across multiple experiments available in TransfactomeDB allow the user to explore potential regulatory roles of hundreds of TFs in any of thousands of microarray experiments.

Synonyms: TransfactomeDB, Yeast Transfactome Database

Resource Type: data or information resource, database

Defining Citation: PMID:17947326

Keywords: mrna, position-specific affinity matrices, saccharomyces cerevisiae

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Yeast Transfactome Database

Resource ID: SCR_000599

Alternate IDs: nif-0000-03577

Record Creation Time: 20220129T080202+0000

Record Last Update: 20250507T055901+0000

Ratings and Alerts

No rating or validation information has been found for Yeast Transfactome Database.

No alerts have been found for Yeast Transfactome Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.