

# Resource Summary Report

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## 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*

**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:** 20260905T133111+0000

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## Ratings and Alerts

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

No alerts have been found for Yeast Transfactome Database.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.