Yeast Search for Transcriptional Regulators And Consensus Tracking

RRID:SCR_006076
Type: Tool

Proper Citation

Yeast Search for Transcriptional Regulators And Consensus Tracking (RRID:SCR_006076)

Resource Information

URL: http://www.yeastract.com

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Description: A curated repository of more than 206000 regulatory associations between transcription factors (TF) and target genes in Saccharomyces cerevisiae, based on more than 1300 bibliographic references. It also includes the description of 326 specific DNA binding sites shared among 113 characterized TFs. Further information about each Yeast gene has been extracted from the Saccharomyces Genome Database (SGD). For each gene the associated Gene Ontology (GO) terms and their hierarchy in GO was obtained from the GO consortium. Currently, YEASTRACT maintains a total of 7130 terms from GO. The nucleotide sequences of the promoter and coding regions for Yeast genes were obtained from Regulatory Sequence Analysis Tools (RSAT). All the information in YEASTRACT is updated regularly to match the latest data from SGD, GO consortium, RSA Tools and recent literature on yeast regulatory networks. YEASTRACT includes DISCOVERER, a set of tools that can be used to identify complex motifs found to be over-represented in the promoter regions of co-regulated genes. DISCOVERER is based on the MUSA algorithm. These algorithms take as input a list of genes and identify over-represented motifs, which can then be compared with transcription factor binding sites described in the YEASTRACT database.

Abbreviations: YEASTRACT

Resource Type: data or information resource, database

Defining Citation: PMID:24170807, PMID:20972212, PMID:18032429, PMID:16381908

Keywords: yeast, gene, regulatory association, transcription factor, target gene, genomic,
transcription regulation, transcription, web service, bio.tools, FASEB list

**Funding Agency:** Fundacao para a Ciencia e a Tecnologia, Fundacao para a Ciencia e a Tecnologia, Fundacao para a Ciencia e a Tecnologia, Fundacao para a Ciencia e a Tecnologia

**Availability:** Free

**Resource Name:** Yeast Search for Transcriptional Regulators And Consensus Tracking

**Resource ID:** SCR_006076

**Alternate IDs:** nif-0000-03652, OMICS_00547, biotools:yeastract

**Alternate URLs:** https://bio.tools/yeastract

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**Ratings and Alerts**

No rating or validation information has been found for Yeast Search for Transcriptional Regulators And Consensus Tracking.

No alerts have been found for Yeast Search for Transcriptional Regulators And Consensus Tracking.

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**Data and Source Information**

**Source:** SciCrunch Registry

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**Usage and Citation Metrics**

We found 111 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID.

Bari KA, et al. (2023) Tra1 controls the transcriptional landscape of the aging cell. G3 (Bethesda, Md.), 13(1).


