

Seek new and upcoming features

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Usability improvement

Make Help, FAQ and Templates more prominent

For **Help and FAQ**, please visit [Help and FAQ](#)

For information about **Templates**, please visit [Templates](#)



Hide the page header other than on the homepage

Find, share and exchange **Data, Models and Processes** within the [SysMO Consortium](#).

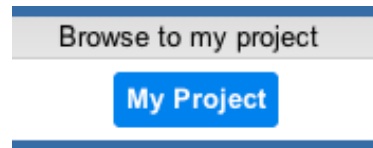
New or upload

CREATE

- Data file
- Model
- Presentation
- Publication
- SOP
- Assay
- Investigation
- Study
- Event
- Sample

Make the 'Create' button more noticeable

Usability improvement



Navigate to 'My project' in one click

[Home](#) > [SOPs Index](#) > Nutrient_limited_stationary

Breadcrumbs navigation:
see where you are now

1 hidden item (Please contact: [Lihua An](#))

- See the owner of hidden items
- Restrict to members of the item's projects

The screenshot displays the SysMO DE web interface. On the left is a sidebar with navigation links: 'RightField Extraction', 'Status', 'Project Manager', 'Data Manager', 'Publishing Now', 'Sharing with the Manager', and 'Asset Manager'. The main content area shows a document titled 'Publishing Now' with the SysMO DE logo at the top left. The document features a diagram illustrating the publishing process. It shows an 'Owner' (a person at a lab bench) and 'Project members' (three people at lab benches). Arrows point from the Owner and Project members to a document icon with a green checkmark. A dashed arrow points from this icon across a vertical line to another document icon on the right. Above the Project members is a 'SEEK' logo with binoculars. A globe is positioned above the document icon on the right. At the bottom of the diagram area, a grey box contains the text: 'If you own the data, you can publish it'.

- View directly documents from browser
- The content are indexed and searchable
- Support wide range of document types:
 - MS/Open Office Word, PPT
 - Pdf, Txt
 - Images

People (2) | Investigations (1) | Studies (3) | Assays (10) | Data Files (2) | Models (5) | Publications (1) | **EBI Biomodels (14)**

A consensus yeast metabolic network reconstruction obtained from a community approach to systems biology.

 Download
 Import

Original Authors: Markus J Herrgård, Neil Swainston, Paul Dobson, Warwick B Dunn, K Yalçın Arga, Mikko Arvas, Nils Blüthgen, Simon Borger, Roeland Costenoble, Matthias Heinemann, Michael Hucka, Nicolas Le Novère, Peter Li, Wolfram Liebermeister, Monica L Mo, Ana Paula Oliveira, Dina Petranovic, Stephen Pettifer, Evangelos Simeonidis, Kieran Smallbone, Irena Spasić, Dieter Weichert, Roger Brent, David S Broomhead, Hans V Westerhoff, Betül Kirdar, Merja Penttilä, Edda Klipp, Bernhard Ø Palsson, Uwe Sauer, Stephen G Oliver, Pedro Mendes, Jens Nielsen, Douglas B Kell

Publication Date: 11th October 2008

Last Modified: 3rd February 2012 @ 14:12:17

URL of Original: <http://www.ebi.ac.uk/biomodels-main/MODEL0072364382>

Abstract:

Genomic data allow the large-scale manual or semi-automated assembly of metabolic network reconstructions, which provide highly curated organism-specific knowledge bases. Although several genome-scale network reconstructions describe *Saccharomyces cerevisiae* metabolism, they differ in scope and content, and use different terminologies to describe the same chemical entities. This makes comparisons between them difficult and underscores the desirability of a consolidated metabolic network that collects and formalizes the 'community knowledge' of yeast metabolism. We describe how we have produced a consensus metabolic network reconstruction for *S. cerevisiae*. In drafting it, we placed special emphasis on referencing molecules to persistent databases or using database-independent forms, such as SMILES or InChI strings, as this permits their chemical structure to be represented unambiguously and in a manner that permits automated reasoning. The reconstruction is readily available via a

A quantitative model for mRNA translation in *Saccharomyces cerevisiae*.

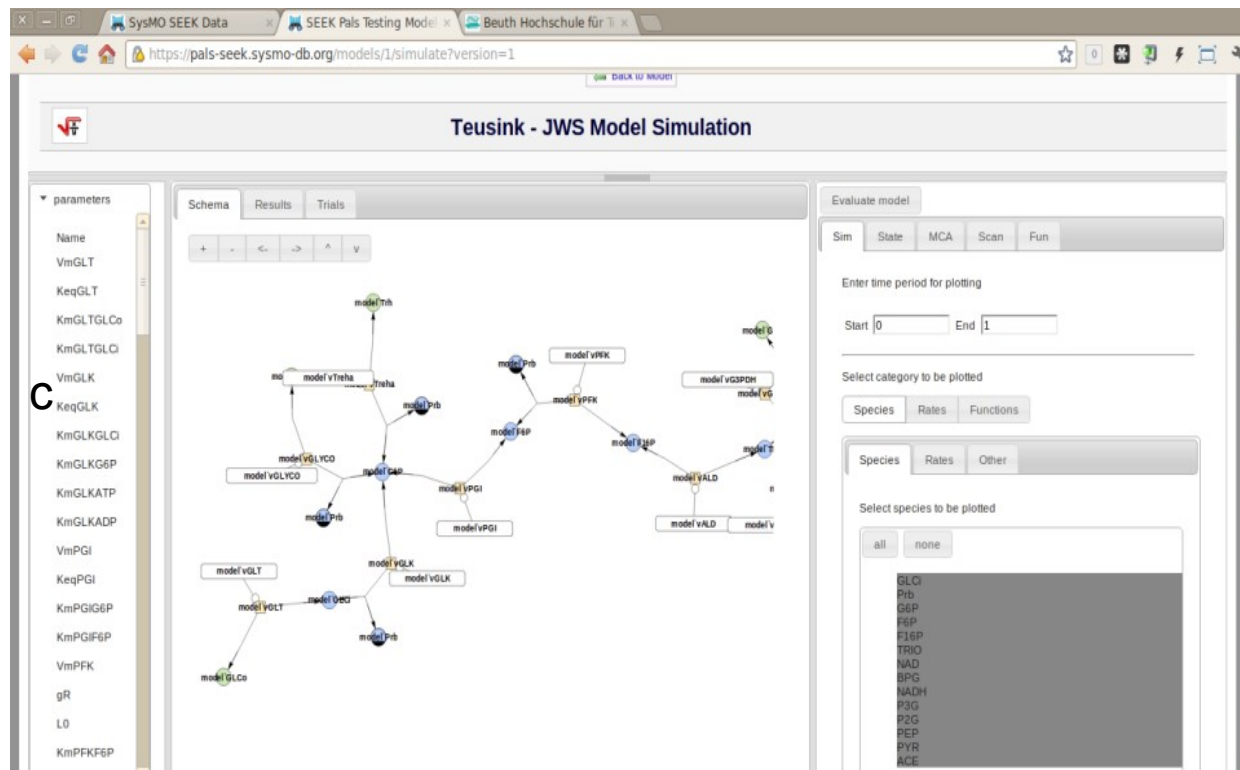
 Download
 Import

Original Authors: Tao You, George M Coghill, Alistair J P Brown

Publication Date: 23rd March 2010

Last Modified: 24th March 2010 @ 00:49:09

- EBI Biomodels are integrated into Search
- Download and Import external search result directly in Seek
- Easily extended to other external resources



Multiple files and image upload for model

Upload multiple files



File to upload:

Choose File no file selected

- model1.xgmml Remove
- model2.xgmml Remove

Upload result

2 files:

Filename: model1.xgmml

Format: Binary file type

Size: 41.6 KB



Filename: model2.xgmml

Format: Binary file type

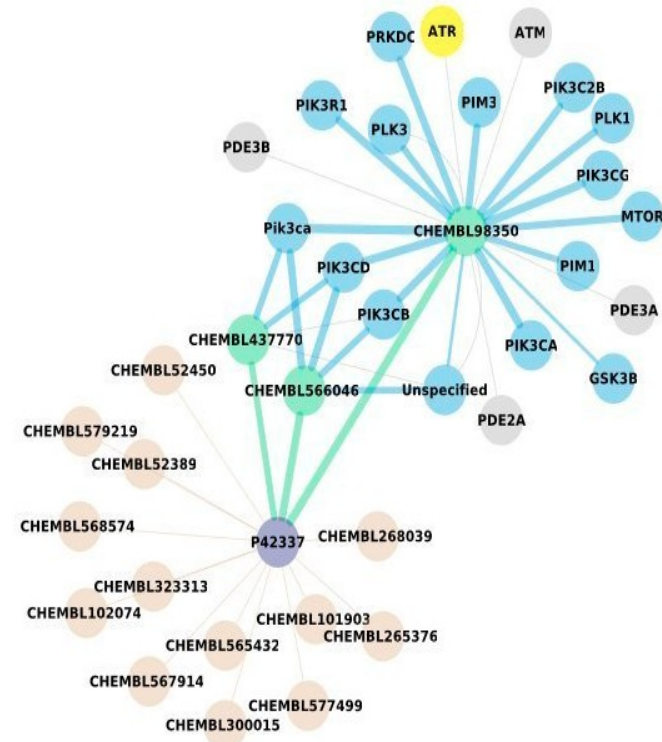
Size: 41.6 KB



Upload an image

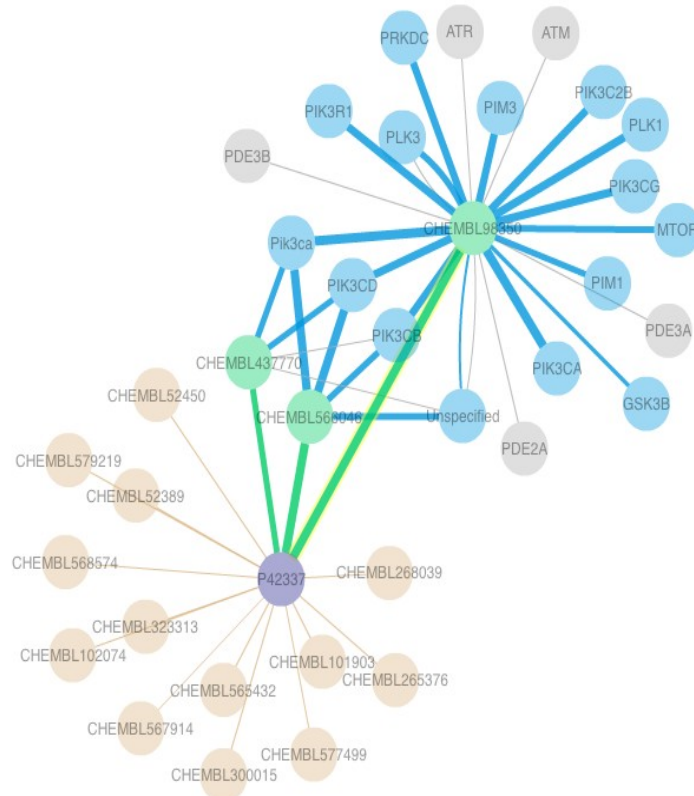
Image file: Choose File P42337_IC50s.png

Image visualization



Cytoscape web integration

 Visualise Model with Cytoscape Web



Export As XGMML

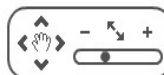
Nodes

Comment
 Smiles
 Type
 canonicalName
 id
 label
 type of the node


- Visualize xgmml model representation directly in Seek
- Interactive
 - Change values of nodes
 - Change values of edges
- Export the changes to new xgmml file

Edges

No edges are selected.



- Temporary link for reviewing asset before publishing
- Visitors who have the link can view the asset without login
- Expiration date can be set

 **Temporary Access Links**

Visitors can view this Model with: <https://testing.sysmo-db.org/models/53?code=HcnF6PIIy%2B3n3UaiohmPRayGaEviYim6um9z2MnE>

Expiration date 

[Revoke](#)