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Biomodels

- <http://www.ebi.ac.uk/biomodels/>

The screenshot shows a web browser window titled "BioModels Database - Konqueror". The address bar contains the URL <http://www.ebi.ac.uk/biomodels-main/BIOMD0000000001>. The page content is as follows:

BioModels Home | [Browse models](#) | [Submit](#) | [Sign in](#) | [Support](#) | [About BioModels](#) | [Search](#)

BIOMD0000000001 - Edelstein1996_EPSP_AChEvent

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[SBML L2 V1 \(curated\)](#) | [Overview](#) | [Math](#) | [Physical entities](#) | [Parameters](#) | [Curation](#)

[SBML L2 V2 \(auto-generated\)](#)

[SBML L2 V3 \(auto-generated\)](#)

[SBML V4 \(auto-generated\)](#)

Reference Publication

Publication ID: [8983160](#)

Biol Cybern 1996 Nov;75(5):361-79.
A kinetic mechanism for nicotinic acetylcholine receptors based on multiple allosteric transitions.
Edelstein SJ, Schaad O, Henry E, Bertrand D, Changeux JP.
Département de Biochimie, Université de Geneve, Switzerland. Stuart.Edelstein@biochem.unige.c

Model

Original Model: [BIOMD0000000001.xml.origin](#)

Submitter: [Nicolas Le Novère](#)

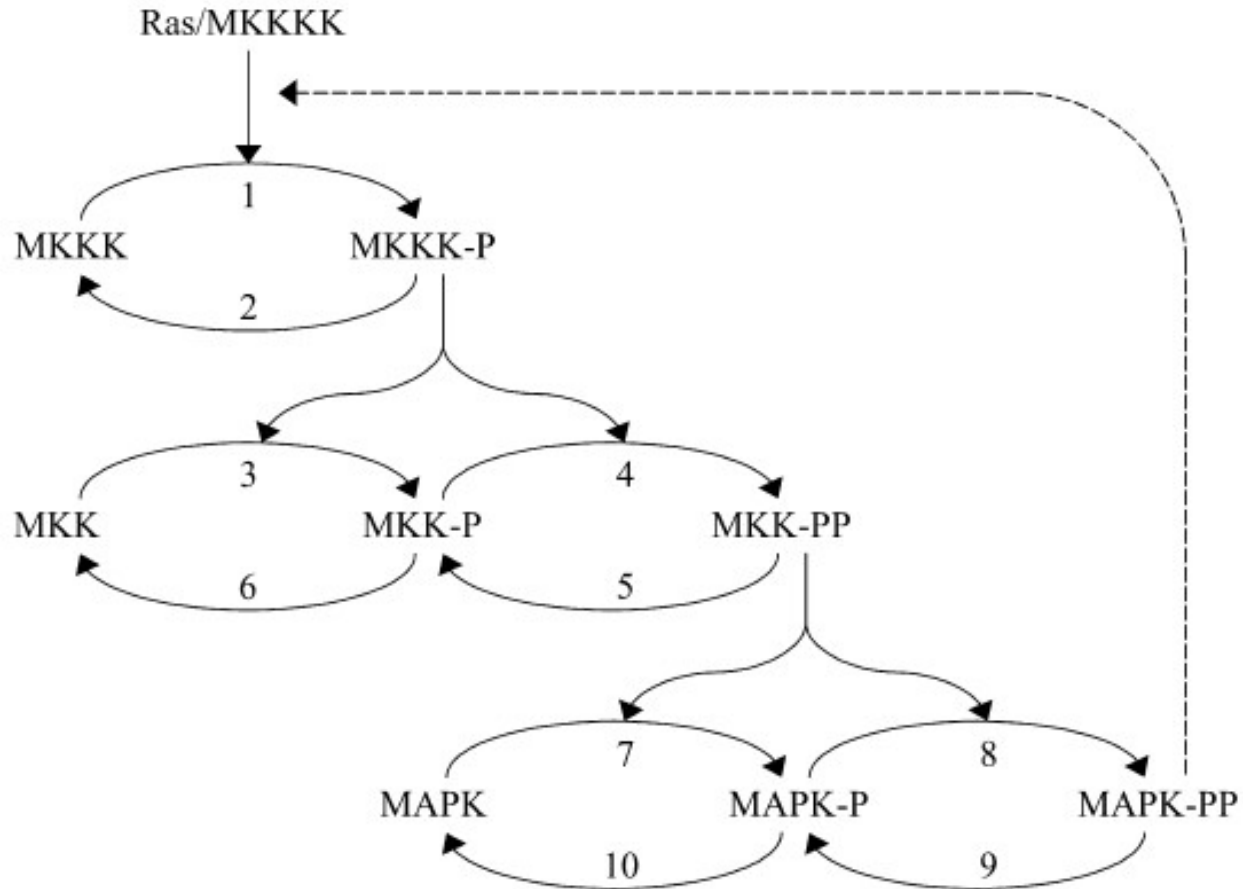
Submission Date: 2005-09-13T12:18:50+00:00

set #1 bqbiol:isVersionOf [Gene Ontology cell surface receptor linked signal transduction](#)
[Gene Ontology neuromuscular synaptic transmission](#)

set #2 bqbiol:is [Taxonomy Torpedo californica](#)

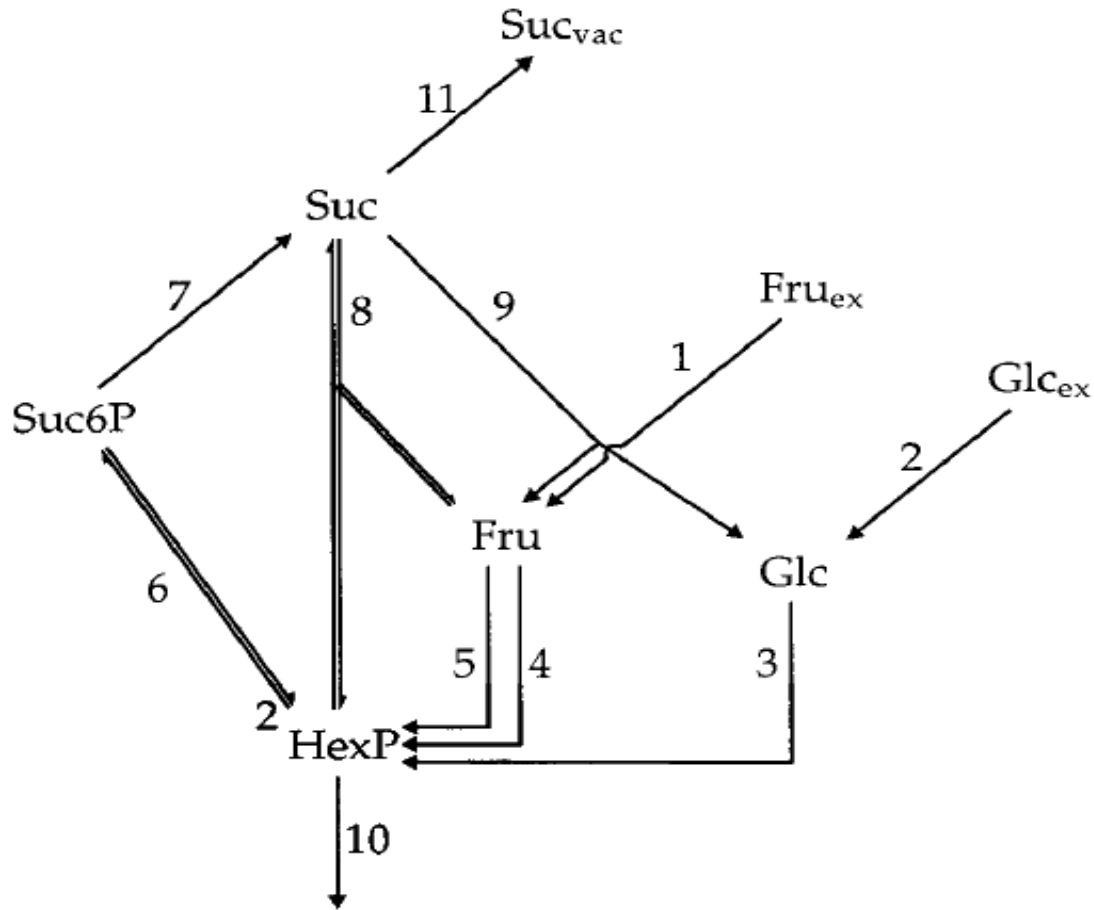
<http://www.ebi.ac.uk/biomodels-main/publ-model-tab.do?cmd=MODEL:DLD&fmt=SBML%20L2%20V3> (In new window)

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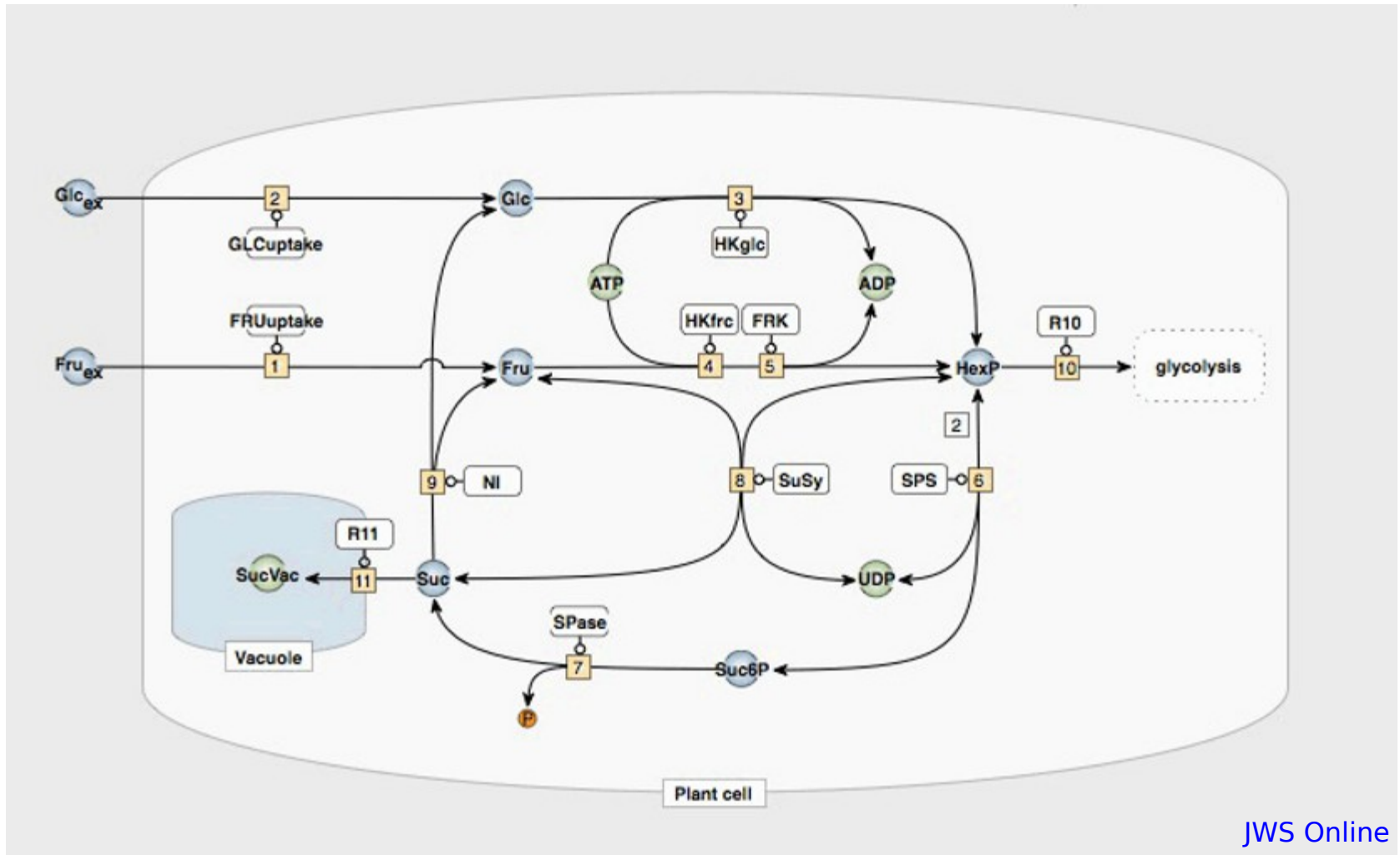
Kholodenko, B. (2000) Negative feedback and ultrasensitivity can bring about oscillations in the mitogen-activated protein kinase cascades *Eur. J. Biochem.* 267:1583-88

Biomodels 23



Rohwer JM, Botha FC. (2001) Analysis of sucrose accumulation in the sugar cane culm on the basis of in vitro kinetic data. *Biochem J.* 358(Pt 2):437-45

Biomodels 23

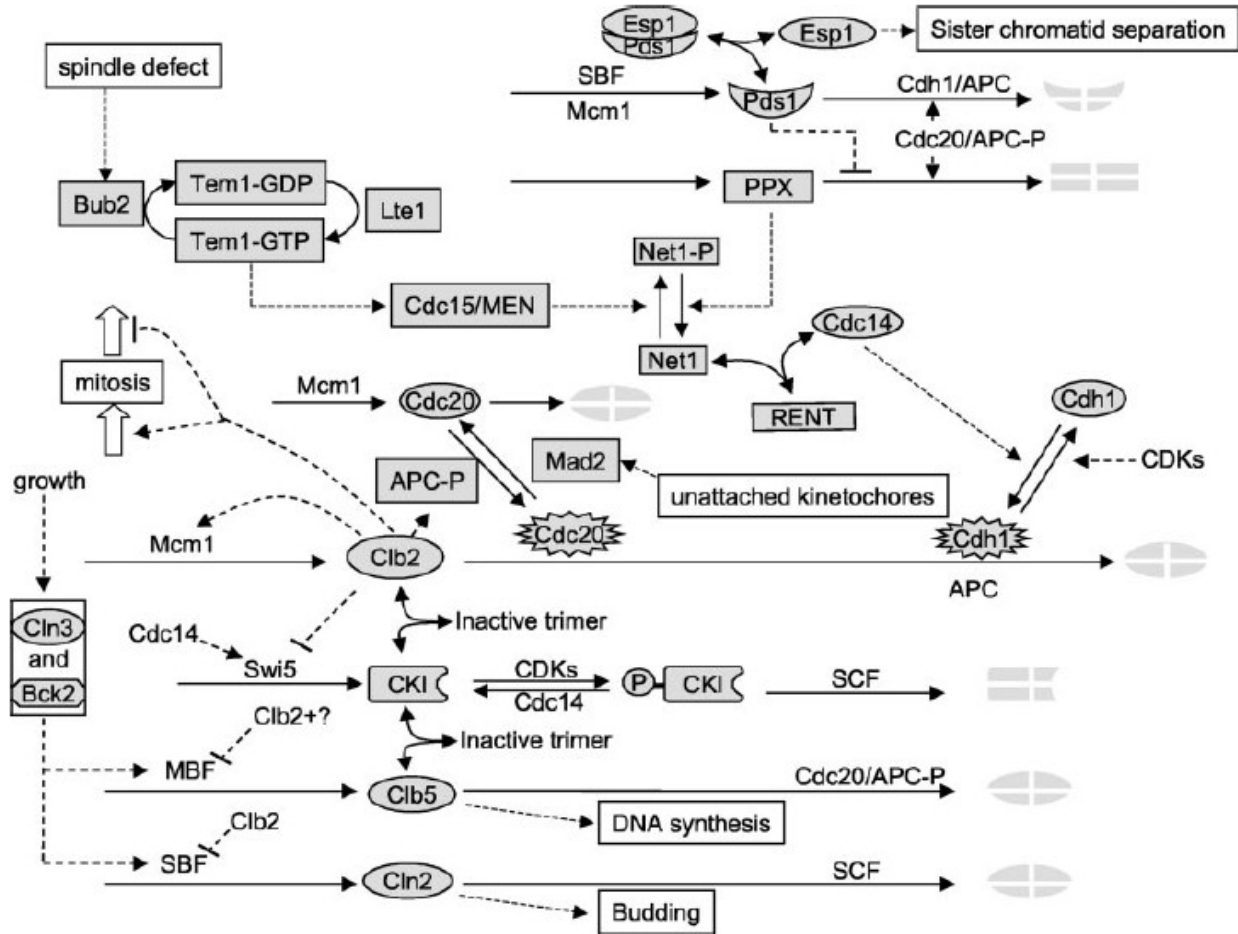


JWS Online

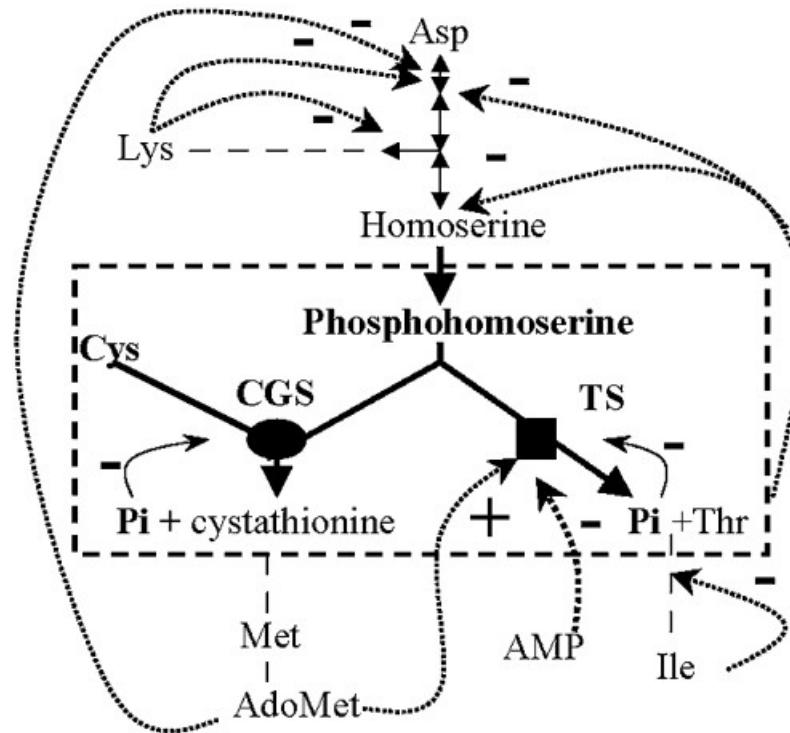
Rohwer JM, Botha FC. (2001) Analysis of sucrose accumulation in the sugar cane culm on the basis of in vitro kinetic data. *Biochem J.* 358(Pt 2):437-45

Modelling and Analysis with COPASI

Biomodels 56

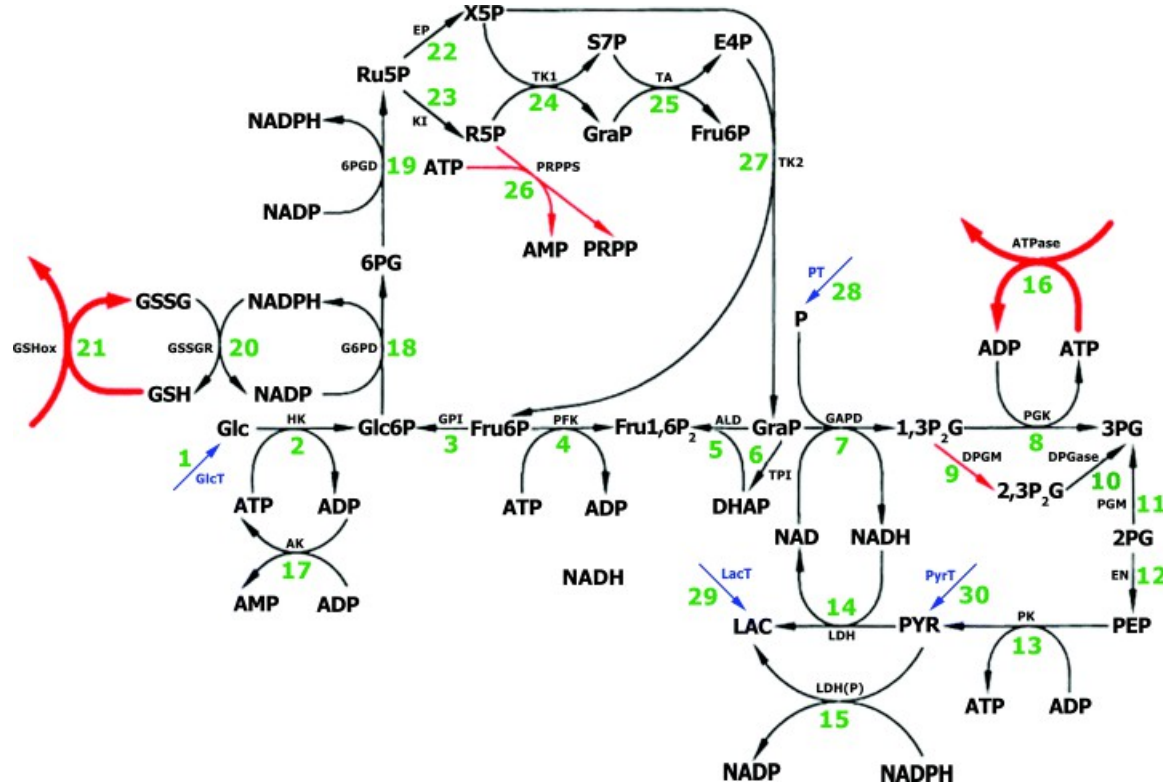


Biomodels 68



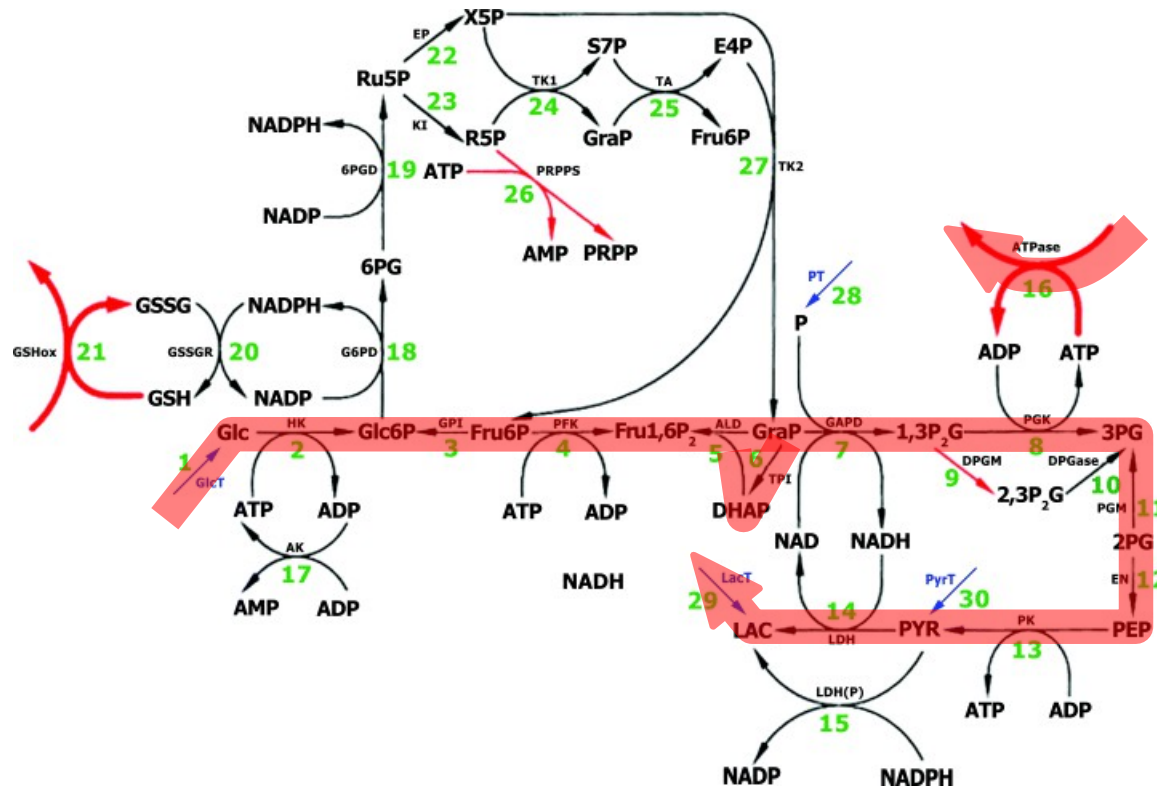
Curien G, Ravanel S, Dumas R. (2003) A kinetic model of the branch-point between the methionine and threonine biosynthesis pathways in *Arabidopsis thaliana*. Eur J Biochem. 270(23):4615-27

Biomodels 70



Holzhütter HG. (2004) The principle of flux minimization and its application to estimate stationary fluxes in metabolic networks. *Eur J Biochem.* 271(14):2905-22

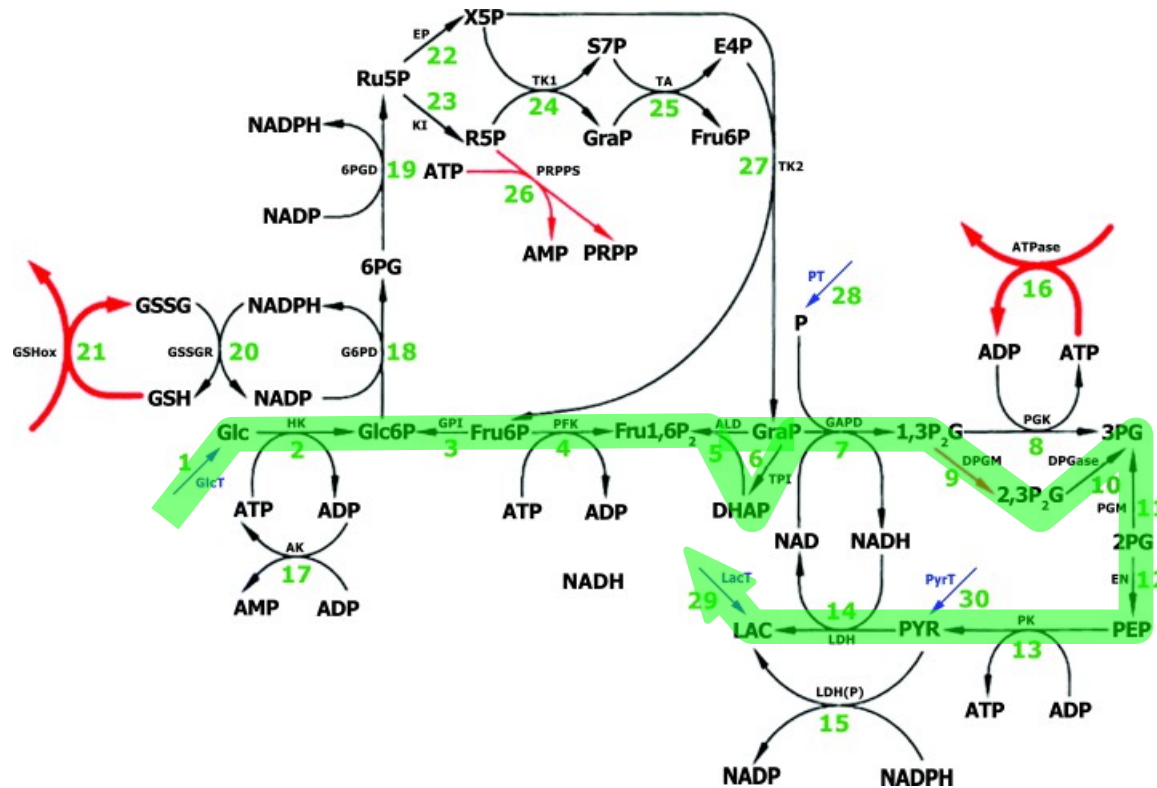
Erythrocyte model of Holzhütter



Holzhütter HG. (2004) *Eur. J. Biochem.* 271(14):2905-22

Biomodels 70

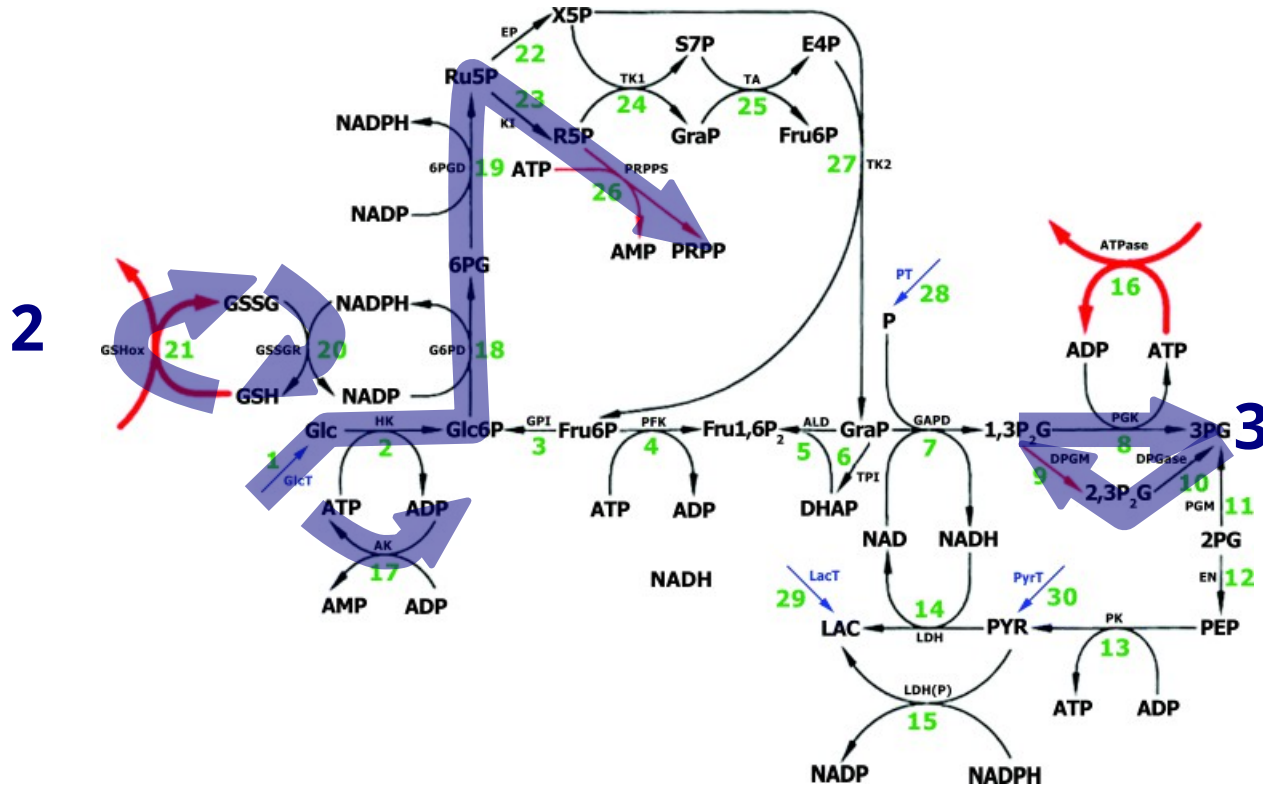
Erythrocyte model of Holzhütter



Holzhütter HG. (2004) *Eur. J. Biochem.* 271(14):2905-22

Biomodels 70

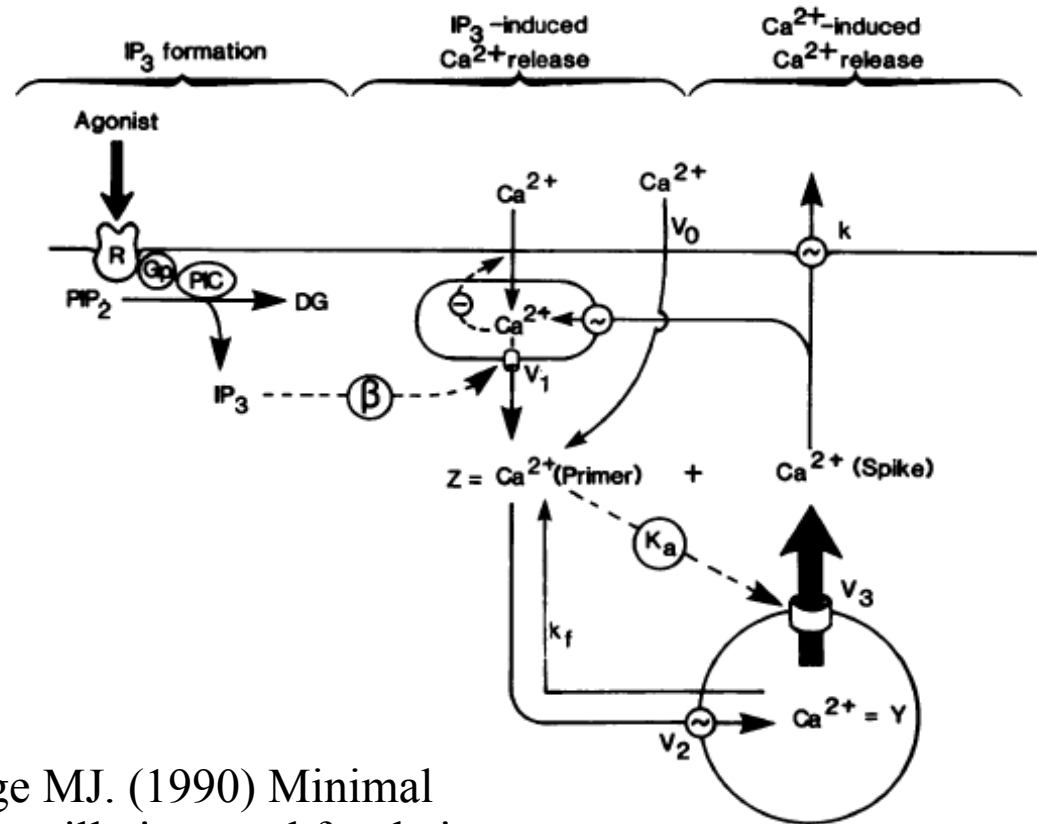
Erythrocyte model of Holzhütter



Holzhtütter HG. (2004) *Eur. J. Biochem.* 271(14):2905-22

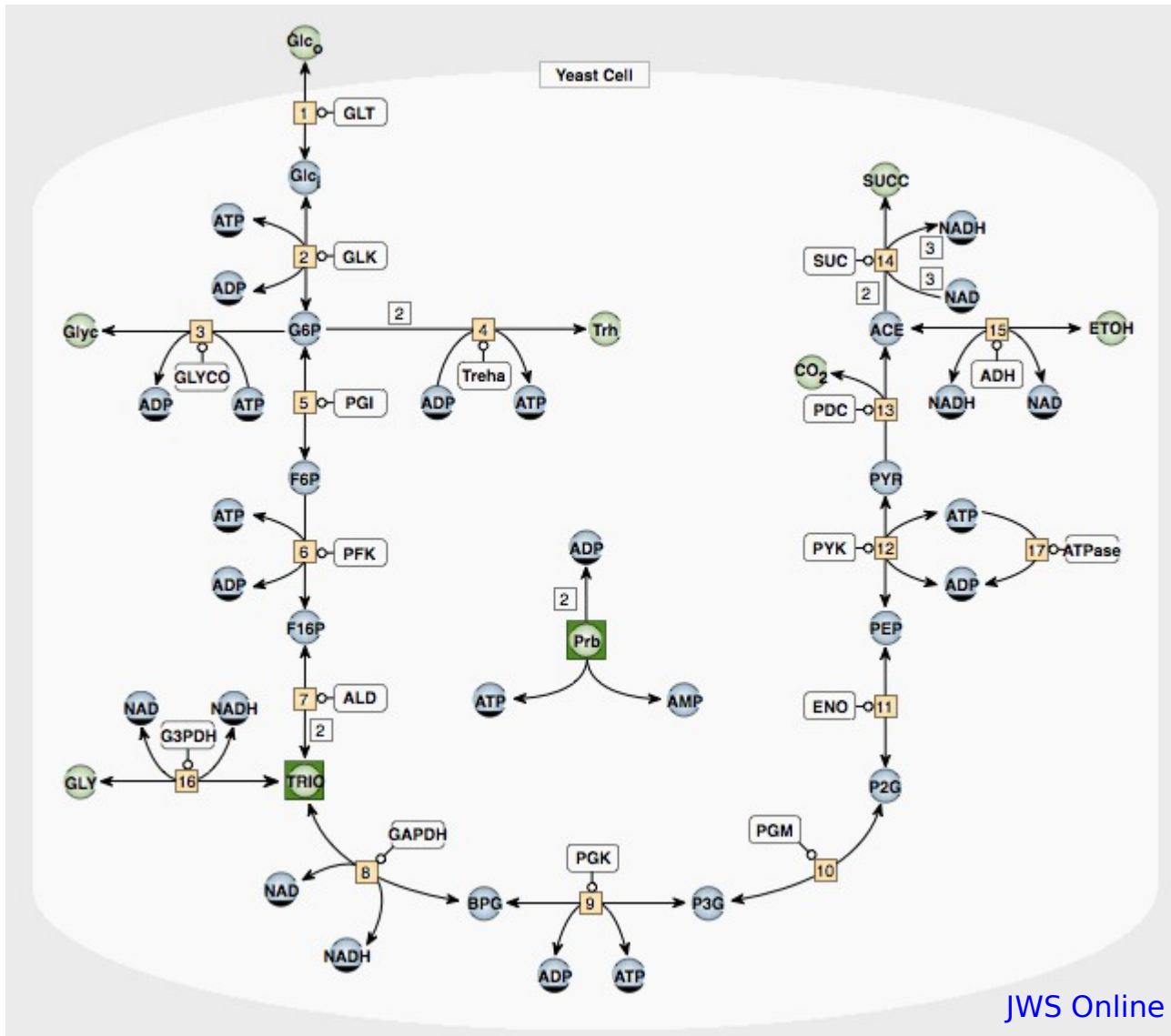
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Biomodels 98



Goldbeter A, Dupont G, Berridge MJ. (1990) Minimal model for signal-induced Ca²⁺ oscillations and for their frequency encoding through protein phosphorylation. Proc Natl Acad Sci U S A 87(4):1461-5.

Yeast glycolysis



Teusink *et al.* (2000) Can yeast glycolysis be understood in terms of in vitro kinetics of the constituent enzymes? Testing biochemistry. *Eur J Biochem.* 267:5313-29.
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