

Table S10 Predictions from the model of yeast glycolysis for the 4h N-starved cells from the respirofermentative culture ($D = 0.35 \text{ h}^{-1}$), compared to experimental data from [1]. Bold numbers are used for Fig. 2.

	Experiment	Model			
		GAPDH parameters of $D = 0.35 \text{ h}^{-1}$, 4h N-starved		GAPDH parameters of $D = 0.35 \text{ h}^{-1}$, non starved	
		$K_{i,hk,T6P}$ 0.2 mM	$K_{i,hk,T6P}$ 0.04 mM	$K_{i,hk,T6P}$ 0.2 mM	$K_{i,hk,T6P}$ 0.04 mM
Flux					
<i>HXT-HXK</i>	83 ± 4	74	73	74	73
<i>PGI-ALD</i>	85 ± 4	78	77	78	77
<i>GAPDH-ADH</i>	148 ± 9	135	133	134	133
Metabolites					
<i>G6P</i>	4.4 ± 0.3	314	18	314	18
<i>F6P</i>	0.78 ± 0.09	79	4.6	79	4.4
<i>F16BP</i>	16 ± 1	998	948	21	20
<i>3PG+2PG</i>	1.1 ± 0.0	1.9	1.8	1.9	1.8
<i>PEP</i>	0.12 ± 0.00	0.11	0.10	0.11	0.10
<i>PYR</i>	3.9 ± 0.3	12	12	12	12

References

1. van Eunen K, Dool P, Canelas AB, Kiewiet J, Bouwman J, et al. (2010) Time-dependent regulation of yeast glycolysis upon nitrogen starvation depends on cell history. *IET Syst Biol* 4: 157-168.