

**Table 1**

Estimated intracellular metabolic fluxes applying isotopic (non)-stationary MFA. Corresponding standard deviations were determined by the linearization approach. Absolute values are given in  $\text{mmol g}_{\text{CDW}}^{-1} \text{h}^{-1}$ .

Flux	INST $^{13}\text{C}$ -MFA			$^{13}\text{C}$ -MFA		
	Relative	Absolute	Std. dev.	Relative	Absolute	Std. dev.
pts	1.00	3.03	0.10	1.00	2.00	0.21
pgi	0.84	2.56	0.13	0.84	1.68	0.21
pfk	0.89	2.70	0.14	0.86	1.72	0.21
fda	0.89	2.70	0.14	0.86	1.72	0.21
tpi	0.89	2.70	0.14	0.86	1.72	0.21
gapA	1.79	5.42	0.28	1.71	3.41	0.43
eno	1.70	5.16	0.28	1.58	3.16	0.43
pyk	0.67	2.02	2.21	0.36	0.71	>10
gnd	0.14	0.43	0.04	0.14	0.28	<0.01
tal	0.02	0.05	0.01	0.00	0.00	<0.01
tk1_1	0.03	0.10	0.01	0.03	0.05	<0.01
tk1_2	0.03	0.10	0.01	0.03	0.05	<0.01
pdh	1.04	3.16	0.28	0.75	1.50	>10
gltA	0.85	2.58	0.27	0.46	0.92	0.42
icd	0.85	2.58	0.37	0.46	0.92	>10
odh	0.77	2.33	0.37	0.34	0.67	>10
fum	0.77	2.33	0.19	0.34	0.67	0.30
mco	0.79	2.40	>10	0.56	1.11	>10
aceA	0.00	0.00	0.19	0.00	0.00	>10
aceB	0.00	0.00	0.19	0.00	0.00	>10
pyc	0.30	0.90	>10	0.02	0.03	>10
odx	0.00	0.00	>10	0.00	0.00	>10
ppc	0.00	0.00	2.27	0.17	0.33	>10
mez	-0.02	-0.07	>10	-0.22	-0.44	>10
gdh	0.13	0.38	0.08	0.11	0.21	0.09
aspB	0.13	0.38	0.08	0.11	0.21	0.09
bsLYS	0.13	0.38	0.09	0.11	0.21	>10