

Table 2
Measured and fitted metabolite pool sizes and standard deviations

Compound	Measurement		Parameter-fit Pool size (mmol/L _{cell})	Statistics Standard deviation (%)
	Pool size (mmol/L _{cell})	Standard deviation (%)		
AKG	0.096	10.00	0.497	9.99
AcCoA	0.001	100.00	0.006	99.99
Asp	0.160	5.00	0.294	5.00
CO ₂	0.030 ^a	–	0.078	1708.97
CitCit	0.200 ^a	–	0.013	423.60
DHAP	0.015	20.00	0.005	19.99
E4P	0.014	20.00	0.040	19.11
F6P	0.011	10.00	0.050	9.59
FBP	0.128	10.00	0.176	6.20
GAP	0.010	20.00	0.005	19.99
G6P	0.063	10.00	0.005	9.99
Glut	0.821	5.00	1.554	4.98
GlyOx	0.100 ^a	–	0.322	166.85
MAL	0.068	10.00	0.084	10.00
OAA	0.100 ^a	–	2.485	14.29
P5P	0.023	12.50	0.005	12.50
PEP	0.024	12.50	0.006	12.49
PG6	0.001	20.00	0.005	19.97
Pyr	0.099	5.00	0.120	5.00
P5Pxch	10.000 ^a	–	4.868	16.90
S7P	0.100 ^a	–	0.068	16.81
SuccFUM	4.017	5.00	7.661	4.69
XPG	0.074	10.00	0.005	10.00

^a Assumed starting value for parameter fitting procedure.