

Table II. Steady-state intracellular concentrations of measured metabolites from aerobic glucose-limited cultures at $D = 0.1 \text{ h}^{-1}$.

| Intracellular concentration ($\mu\text{mol/g}_{\text{DW}}$) | Reference strain | | mtlD strain | |
|---|------------------|-------------------------|-------------|-------------------------|
| | Average | 95% Confidence interval | Average | 95% Confidence interval |
| G6P | 2.6 | 2.2–3.0 | 2.2 | 1.7–2.7 |
| F6P | 0.47 | 0.37–0.58 | 0.41 | 0.29–0.53 |
| FBP | 0.52 | 0.35–0.69 | 0.55 | 0.35–0.75 |
| 2PG + 3PG | 1.3 | 1.1–1.5 | 1.1 | 0.80–1.3 |
| PEP | 1.0 | 0.82–1.3 | 0.82 | 0.57–1.1 |
| Pyruvate | 0.29 | 0.15–0.44 | 0.43 | 0.26–0.60 |
| T6P | 0.30 | 0.18–0.42 | 0.26 | 0.12–0.40 |
| 6PG | 0.52 | 0.36–0.68 | 0.50 | 0.31–0.68 |
| G1P | 0.41 | 0.33–0.49 | 0.34 | 0.24–0.43 |
| M6P | 1.1 | 0.82–1.4 | 0.84 | 0.53–1.2 |
| Citrate + Isocitrate | 4.9 | 3.7–6.1 | 6.0 | 4.6–7.4 |
| Oxoglutarate | 0.30 | 0.23–0.37 | 0.31 | 0.23–0.39 |
| Succinate | 0.20 | 0.14–0.26 | 0.18 | 0.10–0.25 |
| Fumarate | 0.12 | 0.08–0.16 | 0.14 | 0.09–0.19 |
| Malate | 0.69 | 0.49–0.88 | 0.74 | 0.52–0.97 |
| M1P | n.f. | | 0.51 | 0.44–0.58 |
| NAD | 6.8 | 6.5–7.1 | 6.7 | 6.3–7.1 |
| NADH | 0.96 | 0.59–1.3 | 0.89 | 0.47–1.3 |

Data are from at least three samplings from at least two independent chemostats. Each sampling comprises at least three replicate samples, each analyzed at least in duplicate.

n.f., not found.