1   **Table S2. Pyruvate concentrations, specific pyruvate uptake rate and PftAB expression level in various growth conditions**

Growth conditions "(i)"	(1)	(2)	(3)	(4)	(5)	(6)
Medium	MM+G	M9P	M9G+P	M9G	M9PM	M9M
$J_{net}^{(i)} = q_{\text{pyr}}$ (mmol.h^{-1}.gCDW^{-1})	-	8.26 ± 0.23 [f]	1.90 ± 0.06 [c]	-5.00 ± 0.15 [c]	0.90 ± 0.10 [g]	-
$[Pyr]_{ex}^{(i)}$ (mmol.L^{-1})	-	68.14 ± 0.07 [f]	1.70 ± 0.01 [c]	0 [a]	45.42 ± 0.07 [g]	-
$[Pyr]_{in}^{(i)}$ (mmol.L^{-1})	1.00 ± 0.20 [e]	*n.d.* [b]	*n.d.* [b]	*n.d.* [b]	*n.d.* [b]	10.00 ± 2.00 [h]
pftAB under the control of	P$_{pftAB}$	P$_{pftAB}$	P$_{hs}$	P$_{hs}$	P$_{pftAB}$	P$_{pftAB}$
PftAB expression level (U.OD^{-1})	0.00 ± 0.10 [d]	4.50 ± 0.45 [d]	4.50 ± 0.50 [d]	4.50 ± 0.50 [d]	0.50 ± 0.10 [d]	0.70 ± 0.15 [d]

2   [a] At the beginning of the growth (initial condition)
3   [b] *n.d.* not determined
4   [c] this work, inferred from the data plotted on **Figure S3**
5   [d] this work (**Table 3** and in **Supplemental Results**)
6   [e] from reference (26)
7   [f] from reference (7)
8   [g] from reference (12)
9   [h] from reference (22)
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