

Table S1. Enzymatic quantification of of glucose-6-P and fructose-6-P metabolite pools in cell extracts from wt and glucokinase mutants.

Strain	Grown with glucose		Grown with glycerol	
	Glucose-6-P (pmol/mg)	Fructose-6-P (pmol/mg)	Glucose-6-P (pmol/mg)	Fructose-6-P (pmol/mg)
wt	5408 ± 956	2713 ± 554	1860 ± 197	1614 ± 74
<i>ΔppgK</i>	1351 ± 526 *	1365 ± 484 *	1617 ± 375	1576 ± 819
<i>ΔglkA</i>	4386 ± 1765	2075 ± 1154	1916 ± 104	1709 ± 839
<i>ΔppgKΔglkA</i>	nd	nd	1807 ± 529	1706 ± 901
<i>ΔppgK + ppgK</i>	4402 ± 1520	2728 ± 920	1567 ± 310	1542 ± 715
<i>ΔppgKΔglkA + ppgK</i>	5456 ± 2922	3029 ± 1341	2610 ± 819	1971 ± 623