

Supplementary Table 1: Metabolites (nmol gFW⁻¹) of the glycolytic sequence in antisense *StUMPS* transgenic tubers. Metabolites were determined in the same samples from developing tubers used for the nucleotide determinations presented in Figure 2. The data are presented as the mean \pm SE of determinations on six individual plants per line. G6P, glucose 6-phosphate; G1P, glucose 1-phosphate; F6P, fructose 6-phosphate; 3-PGA, 3-phosphoglycerate; FBP, fructose 1,6-bisphosphate; PEP, phosphoenolpyruvate; Pyr, pyruvate. Values were tested for significant differences from the wild type via the performance of by *t*-tests.

	WT	B33-8	B33-76	B33-73
G6P	178 \pm 9	152 \pm 16	181 \pm 12	196 \pm 6
G1P	10.6 \pm 0.3	10.5 \pm 1.4	10.6 \pm 1.0	12.1 \pm 0.9
F6P	43 \pm 2	49 \pm 3	45 \pm 4	38 \pm 4
3-PGA	91 \pm 5	92 \pm 7	103 \pm 9	98 \pm 4
Triose P	2.6 \pm 0.4	2.9 \pm 0.3	2.9 \pm 0.4	3.0 \pm 0.3
FBP	1.0 \pm 0.2	1.0 \pm 0.1	1.3 \pm 0.3	0.9 \pm 0.2
PEP	33.2 \pm 0.8	35.2 \pm 3.0	41.2 \pm 4.4	33.1 \pm 1.5
Pyr	5.1 \pm 0.8	5.4 \pm 0.7	7.2 \pm 0.9	5.0 \pm 0.8