

Supporting Information

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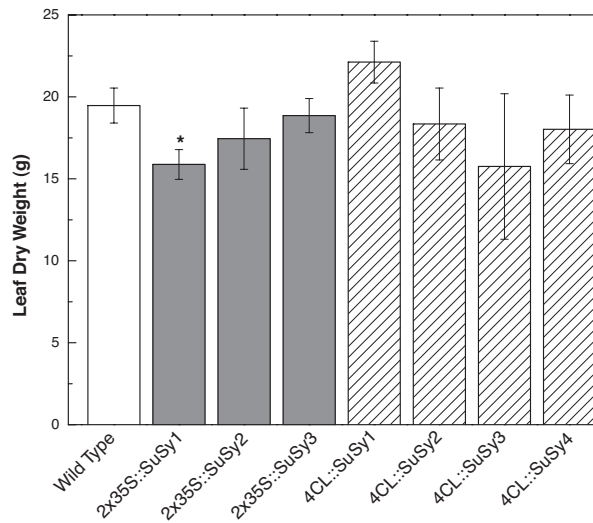


Fig. S1. Leaf biomass measurements of SuSy transgenic and wild-type poplar trees. Means (\pm SE) were calculated from 10 plants per line. The asterisk indicates a significant difference between the transgenic and wild-type trees at $\alpha = 0.10$.

Table S1. Mean transcript abundance of native SuSy genes in leaf and developing xylem tissue for GhSuSy transgenic and wild-type poplar trees

Transgenic Line	SuSy 1 Transcript Level Δ Ct		SuSy 2 Transcript Level Δ Ct	
	Leaf	Developing xylem	Leaf	Developing xylem
Control	2.91 (0.22)	7.46 (1.12)	0.91 (0.09)	0.14 (0.06)
2 \times 35S::SuSy 1	6.14 (1.38)	10.88 (4.01)	1.27 (0.26)	0.12 (0.01)
2 \times 35S::SuSy 2	5.24 (1.03)	18.94 (0.26) [†]	1.21 (0.21)	0.50 (0.09)
2 \times 35S::SuSy 3	3.79 (0.47)	12.68 (8.65)	1.09 (0.05)	0.21 (0.09)
4CL::SuSy 1	5.36 (1.48)	15.21 (5.51)	0.84 (0.35)	0.51 (0.27)
4CL::SuSy 2	5.90 (2.08)	19.66 (3.36) [†]	0.50 (0.27)	0.14 (0.03)
4CL::SuSy 3	4.25 (0.13) ^{*†}	19.90 (4.13)	1.03 (0.24)	0.18 (0.08)
4CL::SuSy 4	4.71 (0.36) ^{*†}	19.04 (5.46)	1.12 (0.19)	0.35 (0.10)

Mean (SE) values were calculated from 3 plants per line. *, significance at $\alpha = 0.05$; †, significant difference from control values at $\alpha = 0.10$.