Table S1

Statistical analysis on the tuberization time in transgenic lines over-expressing *StGA3ox2*.

A

Statistics / Line	2-Way ANOVA*	Survival Curve Logrank test**
Wt vs *35S:3ox2*-10	**P<0.0001**	**P=0.11**
Wt vs *35S:3ox2*-5	**P<0.0001**	**P<0.05**

B

Statistics / Line	2-Way ANOVA*	Survival Curve Logrank test **
Wt *vs LS1:3ox2*-18	**P=0.0001**	**P<0.05**
Wt *vs LS1:3ox2*-16	**P<0.0001**	**P<0.0001**

C

Statistics / Line	2-Way ANOVA*	Survival Curve Logrank test**
Wt *vs Tub1:3ox2*-30	**P=0.50**	**P<0.01**
Wt *vs Tub1:3ox2*-37	**P<0.01**	**P=0.11**
Wt *vs Tub1:3ox2*-3	**P=0.20**	**P=0.052**

Table S1. Statistical analysis of tuberization time of wild type plants (Wt) vs different transgenic lines over-expressing *StGA3ox2*: constitutive *35S:3ox2* lines (**A**), leaf specific *LS1:3ox2* lines (**B**), and tuber specific *Tub1:3ox2* lines (**C**). *The ratio of individuals with tubers was weekly scored from three different experiments, and a two way ANOVA Pvalue for interaction between genotype and tuberization time is given. **The number of individuals with tubers vs time was plotted as a Survival Curve from one typical experiment, and the Logrank test generated a Pvalue testing the null hypothesis that the survival curves are identical. These statistical analysis were performed using the GraphPad Prism software package.