

Supplemental Table 1. **Confidence levels for statistical differences in genotype-dependent phenotypes**
Summary of *p*-values from statistical analyses

Phenotype	Non-tagged								10×Myc-tagged							
	R25D E248K		W109A		Q120R T188K R235E		S129R		R25D E248K		W109A		Q120R T188K R235E		S129R	
	WT	<i>agb1</i>	WT	<i>agb1</i>	WT	<i>agb1</i>	WT	<i>agb1</i>	WT	<i>agb1</i>	WT	<i>agb1</i>	WT	<i>agb1</i>	WT	<i>agb1</i>
Hypocotyl length	<0.001	0.092	0.027	0.002	<0.001	0.103	0.016	<0.001	<0.001	0.784	0.002	0.005	<0.001	0.116	0.002	0.037
Lateral root density	<0.001	<0.001	0.035	<0.001	0.008	0.019	0.845	<0.001	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.679	<0.001
Stomatal index	<0.001	0.715	<0.001	0.021	<0.001	0.682	0.754	<0.001	<0.001	0.863	<0.001	0.025	<0.001	0.880	0.542	<0.001
Glucose assay	<0.001	0.632	0.009	0.291	<0.001	0.810	0.007	0.070	<0.001	0.553	0.007	0.224	<0.001	0.523	0.098	0.028
ABA Assay	<0.001	0.681	0.004	0.378	<0.001	0.325	0.276	0.003	0.004	0.427	0.046	0.044	0.013	0.040	0.136	0.014
F. ox assay	<0.001	0.222	0.308	<0.001	<0.001	0.293	0.015	<0.001	<0.001	0.004	0.110	<0.001	<0.001	0.675	0.688	<0.001

Statistical analyses were performed as described in 'Materials and Methods'. Phenotypic parameters of each transgenic line expressing the indicated variant AGB1 (R25D, E248; W109A; Q120R, T188K, R235E; S129R either tagged or not tagged to Myc) were compared to those of WT and *agb1-2* plants to examine the extent to which a phenotype of *agb1* mutants was rescued. Student *t*-test was adopted for all the phenotypes except ABA responsiveness. The complementation of ABA phenotype was analysed using two-way ANOVA.