

Table S1 Primers for *qRT-PCR*

Gene	Primer
<i>CHS</i> (<i>AT5G13930</i>)	F : 5' AAG CGT CTC ATG ATG TAC 3' R : 5' ACT GAA AAG AGC CTG ACC 3'
<i>CHI</i> (<i>AT2G43570</i>)	F : 5' GAA TCT ATC CCG TTC TTC CGT GAA 3' R : 5' GGC AGT TTC ATT GTC ACC TTG ATA A 3'
<i>PAP1</i> (<i>AT1G56650</i>)	F : 5' CCG CAA ATG ACG TCA AGA ATT ACT G 3' R : 5' GGA ATG GGC GTA ATG TCT CTC TTT T 3'
<i>LDOX</i> (<i>AT4G22880</i>)	F : 5' GTT TGC AGC TTT TCT ACG AGG 3' R : 5' TGA GCA AAA GTC CGT GGA GG 3'
<i>AtMyb56</i> (<i>AT5G17800</i>)	F : 5' ATG AAT CCA AAT CTC CTT GAG AA 3' R : 5' AGA GGG GTT GTT GAG TGA AG 3'
<i>DFR</i> (<i>AT5G42800</i>)	F : 5' ATG GTT AGT CAG AAA GAG ACC 3' R : 5' TAA AGT GAG TAG CGT CTT GG 3'
<i>AtGPT2</i> (<i>AT1G61800</i>)	F : 5' ATG CTT TCT TCA ATC AAA CCA 3' R : 5' GAT GGG AGA CAA CAT TAG CGT T 3'
<i>ACTIN2</i> (<i>AT3G18780</i>)	F : 5' TGT GGA TCT CCA AGG CCG AGT A 3' R : 5' CCC CAG CTT TTT AAG CCT TTG ATC 3'

Figure S1

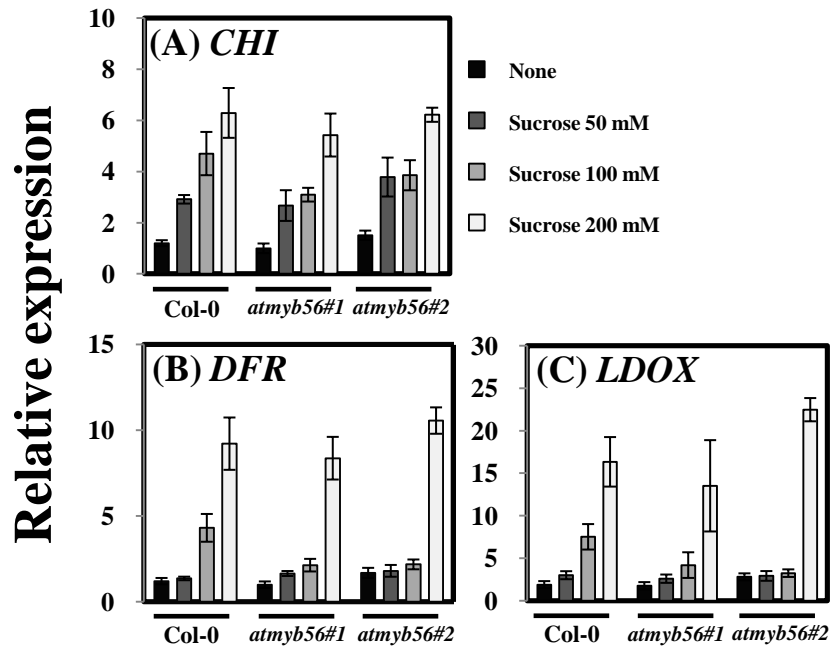
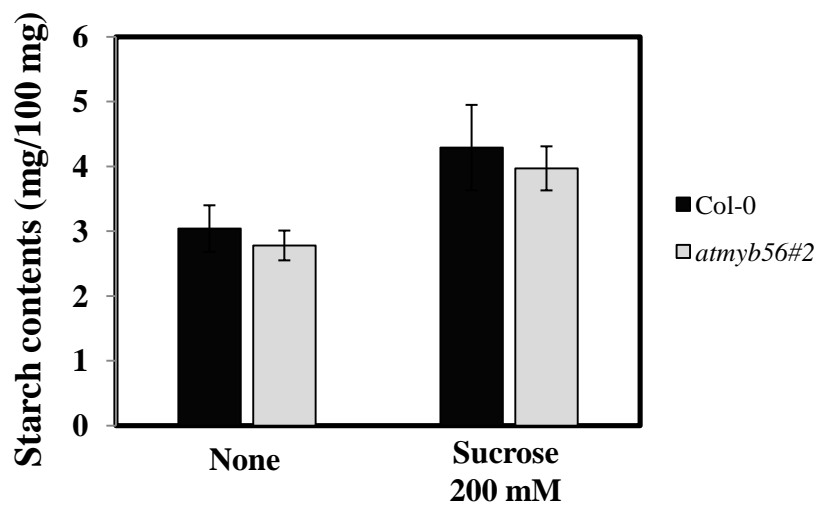


Figure S2



Supplementary Figure Legends

Figure S1. Transcript levels of *CHI*, *DFR*, and *LDOX* in Col-0, *atmyb56 #1*, and *atmyb56 #2* seedlings in response to sucrose.

Transcript levels of (A) *CHI*, (B) *DFR*, and (C) *LDOX* in Col-0, *atmyb56#1* and *atmyb56#2* seedlings exposed to 0, 50, 100, or 200 mM sucrose were determined by qRT-PCR. Error bars represent the standard errors (SEs) of three biological replicates.

Figure S2. Starch contents of Col-0 and *atmyb56#2* seedlings with or without sucrose treatment.

The starch contents of 14-day-old Col-0 and *atmyb56#2* seedlings grown for 24 h on media containing 0 or 200 mM sucrose were determined. A representative result is shown from three independent experiments with 0.5 g seedlings (dried samples) each. Error bars represent the standard errors (SEs) of three biological replicates.