



<i>Arabidopsis thaliana</i>	OAP05273.1	AtSIP2		773	Shaun Peters <i>et al.</i> (2010)
	AAQ07251.2	ZmAGA1		756	Zhao <i>et al.</i> (2006)
<i>Zea mays</i>	NP_001105794.2	ZmAGA2	Alkaline $\alpha$ -galactosidase	843	Zhao <i>et al.</i> (2006)
	NP_001105775.2	ZmAGA3		747	Zhao <i>et al.</i> (2006)
<i>Cucumis melo</i>	AAM75139.1	CmAGA1		754	Carmi <i>et al.</i> (2003)
	AAM75140.1	CmAGA2		772	Carmi <i>et al.</i> (2003)
<i>Arabidopsis thaliana</i>	NP_191190.2	AtAGAL3		437	Imaizumi <i>et al.</i> (2017)
<i>Solanum lycopersicum</i>	AAF04591.1	SlAGAL	$\alpha$ -galactosidase	409	Tsaniklidis <i>et al.</i> (2016)
<i>Arabidopsis thaliana</i>	NP_001031855.1	AtAGAL2		370	Imaizumi <i>et al.</i> (2017)

**Table S2.** Primers used for qRT-PCR.

Accession number	Function	Forward Primer	T <sub>m</sub> (°C)	Reverse Primer	T <sub>m</sub> (°C)	Amplicon length (nt)
Phvul.001G215300	Galactinol synthase	5'CGCGTAGGAG ATGACTTTTG <sup>3'</sup>	60.5	5'GCACATGGG TGAGTAGATTG <sup>3'</sup>	60.4	103
Phvul.001G223700	Galactinol synthase	5'ACAGTGCCCTA ATAAAGTTCAG <sup>3'</sup>	60.4	5'GTTTCAGAAA GTCCTGCTCAG <sup>3'</sup>	60.2	168
Phvul.007G203400	Galactinol synthase	5'GAATTTGGGA GTTTGTGGAG <sup>3'</sup>	58.9	5'AGAAGTAGTTAT CAGGCAAGTC <sup>3'</sup>	59.6	161
Phvul.004G007100	Raffinose synthase	5'GACAATATTT CGGTGTGCGT <sup>3'</sup>	61	5'TAGAAGGTTGA AGCTTCCCA <sup>3'</sup>	60.9	155
Phvul.009G175400	Raffinose synthase	5'GACCCATTAC GTTAGTGATTGTG <sup>3'</sup>	61.8	5'CACCTGTATGTT TGTGAGATTCC <sup>3'</sup>	61.8	131
Phvul.001G214300	Stachyose synthase	5'CTCATTAAGAAG CTTGTCTTCCC <sup>3'</sup>	61.1	5'CTCCTCCATACT TATTGAAGTTCC <sup>3'</sup>	60.5	144
CV530631 (Pereira <i>et al.</i> , 2017)	$\beta$ -Tubulin	5'CCGTTGTGGA GCCTTACAAT <sup>3'</sup>	62.4	5'GCTTGGGGTC CTGAAACAA <sup>3'</sup>	62.4	117