

**Table S3** Target genes and reference genes used in RT-qPCR analysis.

Gene	Short Form	Primer 5' – 3'	Product size (bp)	Temperature (°C)
Neutral alpha-galactosidase 2	<i>CmNAG2</i>	F – TTCCTGTGGTATCGATGGCG R – ATGAATGGTGTGGGAGGCAG	258	62°C
Acid Invertase 2	<i>CmAIN2</i>	F – CTCGATCTGTCAAAAAGCAGC R – TTCCCAAACGCCCTAAAG	213	62°C
New putative invertase inhibitor	<i>CmINH-Like3</i>	F' CTCGCATTTTCCTTCGTTGT R' AAAGTCCGCCGTGTCGCT	164	62°C
UDPGlc epimerase 3	<i>CmUGE3</i>	F – CTGTTGGGGAGAGTGTGCT R – GCTTCGTCCGACCATAAGGA	203	62°C
Sucrose synthase 1	<i>CmSUS1</i>	F - AACCGTGTTTCATAGCCTCCG R – TCAGGACTTCCCAAATGCC	195	64°C
Sucrose synthase 2	<i>CmSUS2</i>	F - TCCAGATGCGAAGGGGACTA R – ATCCGGCTTTGCTTCCATGA	204	62°C
Sucrose-P-Synthase 1	<i>CmSPS2</i>	F - AGTTCGTTTCTTCGTTTGGCT R – TTGGCGCTTCTTTTGTGATGG	198	62°C
Sucrose-P-Phosphatase 1	<i>CmSPP1</i>	F' TATCGTCACTCTTCTCCAC R' CATGAGACGTGCTGAAGCG	182	60°C
Cytosolic 40s Ribosomal protein S15	<i>CmRPS15</i>	F - GAAGCTGCGTAAAGCGAAAC R – GGTCTTTCCATTGTAAACTCCAA	132	62°C
60s Ribosomal protein L	<i>CmRPL</i>	F - CGACAATACTGGAGCCAAGAA R – CATCACCATATCTCCCACACAA	100	62°C

**Figure S2** Pearson's correlation between 10 DAP and 40 DAP development stage. The expression ratio for RNA-seq and RT-qPCR analysis are represented by log<sub>2</sub> FoldChange.

