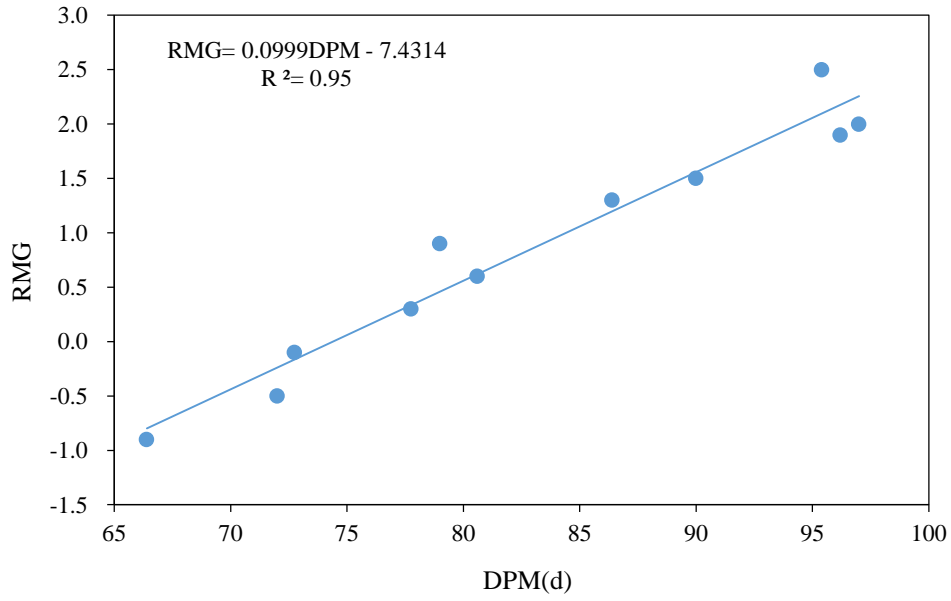


Appendix A List of primer sequences used in this study

Primer	Sequence(5'-3')	Length (bp)	Purpose
attB1- <i>Eli</i> -F	GGGGACAAGTTTGTACAAAAAAGCAGGCTTCAGATGAAAGGGAGCAG	323	Amplify the <i>Eli</i> fragment
attB2- <i>Eli</i> -R	GGGGACCACTTTGTACAAGAAAGCTGGGTGCACCCAACATAGGCAAA		
<i>E1</i> -F	AAGCCCATCAAAGTTCACGAC	933	Amplify the <i>E1</i> fragment
<i>E1</i> -R	AATGATGAATGCAGTGCCTC		
35S-P	GACGCACAATCCCACTATCC	444	Test the transgenic plants
35S-T	GCTCAACACATGAGCGAAAC	430	Test the transgenic plants
<i>bar</i> -F	CGAGACAAGCACGGTCAACTT	402	Test the transgenic plants
<i>bar</i> -R	AAACCCACGTCATGCCAGTTC		
q <i>GmActin</i> -F	CGGTGGTCTATCTTGGCATC	249	Expression analysis of <i>GmActin</i>
q <i>GmActin</i> -R	GTCTTTCGCTTCAATAACCCTA		
q <i>E1</i> -F	CACTCAAATTAAGCCCTTCA	199	Expression analysis of <i>E1</i>
q <i>E1</i> -R	TTCATCTCCTCTTCATTTTGTG		
q <i>E1La</i> -F	AAACACTCAAAGCCCGATCA	191	Expression analysis of <i>E1La</i>
q <i>E1La</i> -R	ATCCTCTTCATTTTGTGCTGA		
q <i>E1Lb</i> -F	GTGTAAACACTCAAAGTCCTT	194	Expression analysis of <i>E1Lb</i>
q <i>E1Lb</i> -R	CTCCTCTTCATTTTGTGCTGC		
q <i>GmFT2a</i> -F	GGATTGCCAGTTGCTGCTGT	160	Expression analysis of <i>GmFT2a</i>
q <i>GmFT2a</i> -R	GAGTGTGGGAGATTGCCAAT		
q <i>GmFT5a</i> -F	CACGGGAGAACCCTCTTGTTAT	171	Expression analysis of <i>GmFT5a</i>
q <i>GmFT5a</i> -R	GGTCTTCACCACCAACAGTAACC		
q <i>GmFT4</i> -F	GGCAACCACTGGAGAAGAGA	117	Expression analysis of <i>GmFT4</i>
q <i>GmFT4</i> -R	TGGAGCATGCACAATTTGTCT		



Appendix B A linear regression model of the days from emergence to physiological maturity for 11 reference cultivars. MG was calculated using a linear regression model of DPM and RMG as previously described [29]. MG, maturity group; RMG, relative maturity group; DPM, days from emergence to physiological maturity.