

Supplementary Information: this file includes 5 supplementary tables and 4 supplementary figures with legends.

Supplementary Table 1. Primers used in this study.

Primer	Usage	Forward Sequences (5-3)	Reverse Sequences (5-3)
CchNST1-clone	Full-length Amplification	TGTGTAAGCTAGCTCTATCCGA	ACGTATCGTCCAATATTGAAAACTCT
CchNST1-EX	Gateway cloning	tcagcagtcgaagagcATGCCAGAAAAACCAT GAG	ttagcgtgtaagagcTACAGGAGTGTGGGA CATA
CchNST1-Q	qRT-PCR	GCAGGATGAAAATGGCGATT	TCGGTAGAAGACAAGGAAGATCGT
CchTUB-Q	Reference for <i>Camellia chekiangoleosa</i> Qpcr	CCGGGCGGTGATCTTG	TGATCAATGCGCGAGAACA
AtActin-qF	Reference for <i>Arabidopsis thaliana</i> Qpcr	AGAGATTCAGATGCCAGAAGTCTTGTTC	AACGATTCTGGACCTGCCTCATCACT C
CchNST1-Pd	construct-specific of 35sCcNST:GFP	GGATCCattggagagaacacggggg	CTGCAGacatgcttaacgtaattcaacaga
PdSND1-Q	Qpcr in <i>Populus</i>	TCAGCTTAATGGCCAGACTGAA	ATAAGTAATGGTTGGGTCAATGCA
PdMYB21-Q	Qpcr in <i>Populus</i>	GCATTTTCACCCAAGAAGA	CCGCAATTTGAGACCACCTA
PdMYB74-Q	Qpcr in <i>Populus</i>	TTTTGGGTAACAGGTGGGCT	CTTCTCCTTTTACCCCCAC
PdActin-Q	Reference for <i>Populus trichocarpa</i> Qpcr	AGAGATTCAGATGCCAGAAGTCTTGTTC	AACGATTCTGGACCTGCCTCATCACT C
cch-PAL-Q	TRINITY_DN33936_c0_g2	CGCCTCGGGGTATCA	CAAGGCCCTCTTAGGCTGTAA
cch-C4H-Q	TRINITY_DN37968_c1_g1	CGTGGTGGCTTGCAAACA	CTCGGGCCTGAACTCTTCTG
cch-4CL-Q	TRINITY_DN39894_c1_g1	TCAGGCGGACGAGAAGAATG	CACGACATCGTCTGGGTGA
cch-C3H-Q	TRINITY_DN28133_c0_g3	CACATTCGTGGCTTCGTT	TGCACCATGCTTGCAAA
cch-HCT-Q	TRINITY_DN46437_c2_g1	CCACCCAGCTGCTTT	GCGGCTTTCATGGAAGGA
cch-COMT-Q	TRINITY_DN24253_c2_g4	ACACCAAGCTTGCGACTAAGAAT	CGGGTTGTGAGCCAACATG
Cch-CCoAOMT-Q	TRINITY_DN38542_c0_g1	ATGCCCGCTCAGGAAGTAT	AAGGCCTTGTTCAGCTCAA
cch-F5H3-Q	TRINITY_DN40625_c1_g3	GATGTTGGCGCATTGAA	CCGCCATTGACCATTGAA
cch-CCR-Q	TRINITY_DN27918_c1_g2	AACCCAGTATTGGTCTTGGGA	CATGAATAATGCTCGGTTGA
cch-CAD-Q	TRINITY_DN41222_c2_g1	TCCAATTTCTACCCCTGTTG	CCGATGAAGCTCCCTGTTATG
cch-LACC1-Q	TRINITY_DN29772_c1_g1	TGTTCACTACTGACTTCCGGGTAA	GGTGGAGTGCCCGTGAATT

		g3	
cch-POX-Q	TRINITY_DN24750_c2_	CCAGCTCCACCTTCAACAT	TGGACAGACCTCTTGGGAGAA
		g5	
cch-BLH6-Q	TRINITY_DN40632_c0_	GATTACCTCGTCTCCGCTATGTG	AAACTGTTGAAGCGCCTTTTTT
		g1	
cch-MYB46-Q	TRINITY_DN36951_c0_	CCTCTCGACAACGCCTACGA	TCCCAACCATGTCGGTATGTT
		g4	
cch-MYB85-Q1	TRINITY_DN35568_c1_	AATCACAGAAAACGACAATGGAATC	CAGAGGCGAGCACGATGA
		g3	
cch-MYB85-Q3	TRINITY_DN33357_c4_	TGGTCCAAGATTGCTTCTCATCT	TGGGTATTCCAATGGTTCTTGAT
		g2	
cch-MYB85-Q4	TRINITY_DN38430_c0_	CGTTCCGTTCCAATCCCTAA	TCTCCGCCGAGTTGGAGTT
		g7	
cch-MYB85-Q5	TRINITY_DN24116_c0_	CGCCACATGGACAAT	TCCTTTGAAAGTCGTGCTTCAG
		g6	
cch-MYB103-Q	TRINITY_DN24116_c0_	CCATACCCGCCACGAAAT	TGGTATTGTCAATGGCATGGA
2		g1	
cch-MYB58	TRINITY_DN40512_c1_	TCCTATGGCAACAATGAAGATACAG	CTTGTTGGCCAGACCTTCTTG
		g1	
