

Supplemental Table 1. Homeolog specific primers to identify BACs

Primer name ^a	Primer sequence (5'-3')	Primer Length (bp)	Identified BAC ^b
Cellulose synthase 1U	CAT AAG CTC CTC GGT CAA G	19	gmw2-133d1
Cellulose synthase 1L	CCT TAT TCT CTC TCT ACT TTG	21	
Cellulose synthase 2U	ACA CTA CTA TTG TAT ATG ATG ATT	24	gmw1-93119
Cellulose synthase 2L	TGG GCA AAG ATA GAC TCG TT	20	
Galactinol synthase 1U	CTC TGG TGG TTG CAG TGC TA	20	gmw1-5g16
Galactinol synthase 1L	GAA GGA GGT CAC GGT AAG TAG C	22	
Galactinol synthase 2U	TCT GAG GAA GGT GAA AAG CCT G	22	gmw1-103e11
Galactinol synthase 2L	GAG GTC ACG GTA GGT ATC CAG A	22	
COMT 1U	TGT CTA TCC AAG AGA GCA CG	20	gmw1-58k3
COMT 1L	GGC TTA ATG TAA TCC ATC AAT G	22	
COMT 2U	GGA GCT AAG AGA GTT GAC GGA	21	gmw1-57d24
COMT 2L	TCT CGA CCC TTG AAT CAA GTG	21	
COMT 3U	TAC CCA AGA GAA CCT GAA TCC A	22	gmw1-27d20
COMT 3L	CAG CAC GAA GTC CCT GTA GTA	21	
Raffinose synthase 1U	CAG CTT GTG GAT GGG CAA TTT C	22	gmw1-13o17
Raffinose synthase 1L	AAA CAC CCC AAG AAC TCC AGT G	22	
Raffinose synthase 2U	GAT GGG GAA TTT TAT TCA GCC G	22	gmw1-8g7
Raffinose synthase 2L	CAC CTC CTT GGC AAT TAA ATA G	22	

^a Copy number was arbitrarily assigned for tracking primers, does not reflect what may be in the literature

^b Corresponding BAC that the primer pair identified and was sequenced

^c Size of PCR amplicon