ONLINE APPENDIX 2. Primers used for amplication and sequencing of the 32 loci used in our genetic study of *P. balsamifera* and *P. trichocarpa*. Nucleotide substitution models, identified using AIC, are provided for those loci used in the phylogenetic analyses (indicated by an asterisk).

Transcript ID	**Primer Sequence**	**Nucleotide Substitution Model**
174078 (F)	*5′*-AATCGTGCCCAATCTACGAC-*3′*	
174078 (R)	*5′*-CGCTTCGACGGTCTTCTGTTC-*3′*	
195487 (F)*	*5′*-AGATTGTTGTTCCTGCCGAT-*3′*	HKY
195487 (R)*	*5′*-CCATGGCCGTCCTAGAAATGT-*3′*	
230239 (F)*	*5′*-GCCAAAGCTCGTGTAGGAAG-*3′*	HKY + I
230239 (R)*	*5′*-CGCCTCCTCGGTATTCTGTGA-*3′*	
230673 (F)	*5′*-TTCCTGTTGGGTGGATTCAT-*3′*	
230673 (R)	*5′*-CCAGTTGGAGCCATGACAATG-*3′*	
282601 (F)*	*5′*-CAATTCATCATCGTCCGC-*3′*	F81 + I
282601 (R)*	*5′*-CCTCGCCAATATCACAAACGA-*3′*	
292079 (F)	*5′*-GCCGATCAGGTGTCTTCATT-*3′*	
292079 (R)	*5′*-CGCGAGATGGTGGTTTTTGTT-*3′*	
423802 (F)	*5′*-ACCATCGACCTTTCCATCAC-*3′*	
423802 (R)	*5′*-CACGTGCAAGATTTGCATCAC-*3′*	
424060 (F)*	*5′*-TTCGGTTTCATCCTACGGAC-*3′*	TPM1uf
424060 (R)*	*5′*-CGGATTGGTGAGATTGGCA -*3′*	
431073 (F)	*5′*-AAAGTTTACTTCCGCGGTCC-*3′*	
431073 (R)	*5′*-CTGTGGTCCCTAACTCCAAGG-*3′*	
554813 (F)*	*5′*-GCCTTTGGTCTGGTCTCTTG-*3′*	HKY + Γ
554813 (R)*	*5′*-CAGCAAGGGCATTTGCATAAA-*3′*	
554898 (F)	*5′*-AGCAAGTTCTCAGGCAGGAA-*3′*	

554898 (R)	*5′*-CGCCAATCATCCAAACTTCCA-*3′*	
558978 (F)	*5′*-GGGCATGAAGAATTGGAGAA-*3′*	
558978 (R)	*5′*-CTTTCAAGATTGGCCAGGTTC-*3′*	
560714 (F)	*5′*-GGGACCTATCAATTTCACCG-*3′*	
560714 (R)	*5′*-CCAGACACATCATCCTTGCGA-*3′*	
560952 (F)*	*5′*-GTCATAACAAGCTTTCCGGG-*3′*	TrN
560952 (R)*	*5′*-CCCATGCTTTCCTTTTGAAGC-*3′*	
561339 (F)	*5′*-GCTCGTTCAATGCCTTGTG-*3′*	
561339 (R)	*5′*-CCACGTGGAGCTCGTTACACC-*3′*	
563785 (F)	*5′*-TTTGTCTTCTAACCCCTGCTTC-*3′*	
563785 (R)	*5′*-CAAGATCAAGATCAAGAAAGCTGATACGACA-*3′*	
566362 (F)	*5′*-AAACTTAGCGAGTCCCGGAT-*3′*	
566362 (R)	*5′*-CTGATGCCATTTTGTTGCTGT-*3′*	
567670 (F)	*5′*-AGCATTCCAAATGAGATCGG-*3′*	
567670 (R)	*5′*-CGCAAGAACCTGAAGTCTGCC-*3′*	
588180 (F)*	*5′*-CACTCATGGGTGAAAACGTG-*3′*	F81
588180 (R)*	*5′*-CCTCTTTCTTTCCGCGATCAG-*3′*	
593178 (F)	*5′*-TTCAGTCGAATGGGCTTGAC-*3′*	
593178 (R)	*5′*-CTCGGGACACACGATGAATTA-*3′*	
652105 (F)*	*5′*-GGAGGATTTTCAGTTCACGC-*3′*	HKY
652105 (R)*	*5′*-CCGTCACAGCCTCACAAGCTA-*3′*	
653089 (F)	*5′*-CTTGCTGGCTCCGATTTATG-*3′*	
653089 (R)	*5′*-CACAATCGGCTTCCTAGAGCA-*3′*	
657565 (F)*	*5′*-AAAGATGCTGATGCTGCCTT-*3′*	TPM1uf + Γ
657565 (R)*	*5′*-CTTCTTTGGTCTCCCTGATGG-*3′*	
676503 (F)*	*5′*-ACCAATACCCAAACCCAACA-*3′*	HKY + I
676503 (R)*	*5′*-CCTCTCCTGTAGTCCACCCCA-*3′*	

678140 (F)*	*5′*-TTAAGTCCCAGGGGAAGAGC-*3′*	TrN + I
678140 (R)*	*5′*-CCACACTCCATTGCACCTTTG-*3′*	
706088 (F)*	*5′*-ATCTGCCTACCATCTGTGCC-*3′*	HKY
706088 (R)*	*5′*-CAGCCTCAACAGCCTTCAAAA-*3′*	
751129 (F)*	*5′*-CATTTAGCTCTGGCGCTTTC-*3′*	HKY + I
751129 (R)*	*5′*-CCAGCTTGCCTTCCAATTCA-*3′*	
754317 (F)	*5′*-AAACTTCTTGCTCCGCGATA-*3′*	
754317 (R)	*5′*-CACCGTCAGCAAGAGGAACAG-*3′*	
769296 (F)*	*5′*-AATTACCTCCAAGACGCCCT-*3′*	TPM3uf
769296 (R)*	*5′*-CCCCAGTCATCACCCTTGAGT-*3′*	
781842 (F)*	*5′*-GCTTTCATCCGCATAGTGGT-*3′*	K80 + I
781842 (R)*	*5′*-CATGGATACCCTCCATAGCCC-*3′*	
816152 (F)*	*5′*-GGTGCTGGTTTCACCAGATT-*3′*	TPM3uf
816152 (R)*	*5′*-CATTTCCAGCATTTGCTCTGC-*3′*	
820110 (F)	*5′*-GCGCTGTTTCGATCTTTTTC-*3′*	
820110 (R)	*5′*-CTCATACTCCTCCTCCGCTTG-*3′*	