

Trait	Gene	SNP	P-value
Earlywood microfibril angle	α -tubulin	M10	0.0003
Broad Pitch Canker Lesion Length	Axr	S1	0.00175
Earlywood specific gravity	cad	M28	0.0005
Earlywood specific gravity	cad	S113	0.0001
Earlywood specific gravity-PCA	cad	S113	0.0002
Earlywood specific gravity-transition wood	cad	S113	0.0002
Earlywood specific gravity	cad	S20	0.0001
Earlywood specific gravity - mature wood	cad	S20	0.0013
Earlywood specific gravity-PCA	cad	S20	0.0005
Earlywood specific gravity-transition wood	cad	S20	0.0006
Water Use Efficiency	CCoAOMT	S10	0.056
Broad Pitch Canker Lesion Length	cesA3	S2	0.00516
Latewood specific gravity-mature wood	cesA3	S37	0.0027
Latewood specific gravity-PCA	cesA3	S37	0.0003
Percentage latewood	cesA3	S37	0.0002
Latewood specific gravity-PCA	cesA7	S120	0.0012
Broad Pitch Canker Lesion Length	comt2	s7	0.01567
Earlywood microfibril angle-transition	comt2	S1	0.0006
Earlywood microfibril angle-transition	comt2	S95	0.0005
Broad Pitch Canker Lesion Length	comt4	s4	0.00029
Fusiform Rust Disease Resistance	comt4		1.32E-03
Earlywood specific gravity-mature wood	cpk3	S10	0.0096
Earlywood specific gravity-transition wood	cpk3	S10	0.0035
Water Use Efficiency	dhn-1	S2	0.003
Earlywood microfibril angle-PCA	dhn-1	S58	0.0013
Earlywood microfibril angle-transition	dhn-2	S60	0.0027
Water Use Efficiency	ein2	S1	0.062
Earlywood microfibril angle-PCA	ein2	S115	0.0013
Earlywood microfibril angle-transition	ein2	S115	0.00003
Earlywood specific gravity-mature wood	ein2	S115	0.0003
Earlywood specific gravity-PCA	ein2	S115	0.0004
Earlywood specific gravity-transition wood	ein2	S115	0.0002
Fusiform Rust Disease Resistance	erd3		3.72E-10
Fusiform Rust Disease Resistance	gatabp2		1.17E-03
Percentage latewood	lp3-1	Q5	0.0004
Water Use Efficiency	LP5	S28	0.015
Earlywood microfibril angle-mature wood	myb4	S101	0.0008
Earlywood microfibril angle-PCA	myb4	S101	0.0001
Earlywood specific gravity	myb4	S101	0.00002
Earlywood specific gravity-mature wood	myb4	S101	0.00002
Earlywood specific gravity-PCA	myb4	S101	0.00004
Earlywood specific gravity-transition wood	myb4	S101	0.0001
Latewood specific gravity-mature wood	pal-1	S37	0.0002
Earlywood specific gravity	sams2	M44	0.0013
Broad Pitch Canker Lesion Length	SODchl	s9	5.54E-05
Water Use Efficiency	SODchl	S9	0.049
Fusiform Rust Disease Resistance	SODchl		6.40E-05
Water Use Efficiency	WRKY-like	S9	0.035