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Gene flow between introduced and native Eucalyptus species: crossability of native Tasmanian species with exotic E. nitens

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Appendix 1. Flowers pollinated and seed produced using artificial pollination techniques with exotic *Eucalyptus nitens* pollen on native Tasmanian *Symphomyrtus* species

Three techniques were used: controlled sigma pollination (SP), controlled cut-style pollination (CS) and supplementary pollination (SUP). Included are the general locations of each tree and the dates when work was commenced and when seed capsules were harvested

Species	Tree number	Location	Date work commenced	Harvest date	No. of flowers			No. of seeds					
					SP	CS	SUP	Total	SP	CS	SUP	Total	
<i>E. archeri</i>	1224	Projection Bluff	22 Jan. 2001	24 Jan. 2002			75	75			41	41	
	1228	Ben Lomond	29 Jan. 2001	7 Apr. 2002		123	111	234		279	51	330	
	1229	Ben Lomond	29 Jan. 2001	7 Apr. 2002				73	73			6	
	1285	Lake Leak Hwy	17 May 2002	30 Mar. 2003				74	74			369	
	1288	Lake Leak Hwy	17 May 2002	30 Mar. 2003				75	75		326	326	
<i>E. brookeriana</i>	1994	Cherrytree Hill	18 May 2002	30 Mar. 2003								90	
	667	Ornamental	22 Apr. 2002	13 Mar. 2003		164	117	332		0		160	
	1396	Blessington	29 Dec. 2000	1 Apr. 2002			69	69			129	129	
	1505	Margate	09 Apr. 2001	30 Jan. 2002			82	82				324	
	1520	Margate	6 Apr. 2001	24 Apr. 2002		91	63	178		43	147	205	
<i>E. cordata</i>	1996	Snug Plains	21 Dec. 2001	26 Mar. 2003		36	57	129		0	23	70	
	2000	Snug Plains	24 Dec. 2001	26 Mar. 2003		32	77	109		37	419	456	
	1386	Meander	13 Apr. 2000	10 Oct. 2001	613			613		171		171	
	1982	Upper Blessington	15 May 2002	30 Mar. 2003			137	137			174	174	
	1995	Lower Blessington	14 May 2002	30 Mar. 2003			135	135		13		13	
<i>E. gunnii</i>	1394	Snug Plains	21 Jan. 2001	26 Feb. 2002			84	84			316	316	
	1978	Snug Plains	2 May 2002	26 Mar. 2003		103	78	214		391	131	559	
	2001	Snug Plains	2 May 2002	26 Mar. 2003			118	118		686	686	686	
	1393	Breona	12 Jan. 2000	5 Jan. 2001			102	102		0	0	0	
	1397	Snug Tier	16 Feb. 2000	24 Apr. 2002			74	74			105	105	
<i>E. johnstonii</i>	1504	Mt Wellington	23 Mar. 2001	22 Mar. 2002		82	59	141		0	0	0	
	2010	Mt Wellington	11 Mar. 2001	10 May 2002			53	53			51	51	
	1367	Ornamental	15 Mar. 2000	25 Feb. 2001	271			271		2765		2765	
	1380	Ornamental	21 Mar. 2000	25 Feb. 2001	229			229		1142		1142	
	1225	Nunamara	24 Jan. 2001	5 Jan. 2002			174	174		25	25	25	
<i>E. ovata</i>	1509	Mt Nelson	5 Sept. 2001	6 Aug. 2002		128	149	231		7		8	
	1986	Sandy Bay	5 May 2001	22 Mar. 2002		191				102		114	
	2012	Dunalley	23 Apr. 2001	27 Feb. 2002			109	109			79	79	
	1981	Strickland	6 Feb. 2002	27 Mar. 2003			64	64		297	297	297	
	1991	Strickland	6 Feb. 2002	27 Mar. 2003			91	91		121	121	121	
<i>E. perriniana</i>	1227	Arthurs Lake	2 Mar. 2001	24 Jan. 2002			109	109		0	0	0	
	1501	Mathina Plains	1 Mar. 2001	14 May 2002			154	154		39	39	39	
	1503	Steppes	2 Mar. 2001	24 Jan. 2002			59	59		4	4	4	
	1222	Bothwell	30 Dec. 2000	25 Jan. 2002			70	70		31	31	31	
	2002	Pelham	30 Dec. 2000	15 Aug. 2001		81		81		1		1	
<i>E. subcrenulata</i>	2004	Hartz Mountains	26 Feb. 2001	22 Apr. 2002			67	67			176	176	
	1989	Mt Wellington	6 May 2002	15 Mar. 2003		71		71		72		72	
	1997	Mt Wellington	24 May 2002	15 Mar. 2003		71	33	104		78	23	101	
	1399	Hartz Mountains	24 Feb. 2001	23 Mar. 2003			56	56		16	16	16	
	1400	Hartz Mountains	18 Feb. 2001	23 Mar. 2003			45	45		24	24	24	
<i>E. vernicosa</i>	–	Ornamental	26 Apr. 2002	13 May 2003		87		87			13	13	
	1381	Hollow Tree	7 Apr. 2000	26 May 2001				615		151		151	
	1385	Mt Nelson	10 Apr. 2000	18 Apr. 2001				621		386		398	
	1976	South Hobart	2 Apr. 2002	17 Jan. 2003		140	118	293		0	74	74	
	Total					2349	1715	2913	6977		4627	1461	4144

Appendix 2. Characters used in the morphometric analysis of progeny from controlled, supplementary and open-pollination

Included are the transformations used for the analysis (log, logarithmic; sqrt, square root)

Code	Description	Transformation
Bud characters		
BUDFUS	Type of bud fusing (0–2); 0 = no fusing, 1 = partial fusing, 2 = complete fusing, see <i>E. nitens</i> in Fig. 1 for example of fusing	None
LFUS	Length of fusing of the apical bud leaves (mm)	Log
Leaf characters		
CRENM	Crenulate margins (0–2); 0 = none, 2 = max.	None
CORD	Length of extension of the cordate lobes of the lamina, past the base of the petiole/lamina join (mm)	$X^{0.25}$
LAML	Length of lamina (mm)	Log
LAMW	Lamina width at widest point (mm)	Sqrt
LA	Leaf angle (°); the axillary angle made by the mid-rib and the stem	None
LGL	Leaf glaucousness (0–7); 0–1 = green, 2–4 = subglaucous and 5–7 = glaucous, converted from Cauvin <i>et al.</i> (1987)	None
LP	Leaf plane (°); cross-sectional angle of the leaf from horizontal	Sqrt
LTA	The acute angle of the leaf tip (°)	X^2
LWP	Length along mid-rib to widest point (mm)	Sqrt
MRRED	Mid-rib redness (0–2); 0 = none, 2 = max.	None
PETL	Length of petiole (mm)	None
Plant characters		
HT10	Height to node 10 (mm)	None
LAT05	Number of laterals from Node 0 to 5 (<i>n</i>)	None
LAT610	Number of laterals from Node 6 to 10 (<i>n</i>)	None
LLLAT	Length of longest lateral (mm)	None
NLLAT	Node of longest lateral (0–10)	None
Stem characters		
INTER10	Inter-node length between Nodes 9 and 10 (mm)	Sqrt
INTRA10	Intra-node length at Node 10 (mm)	None
SGL	Stem glaucousness (0–2); 0 = absent, 2 = max.	None
SRE	Stem rectangularity (mm); SD1/SD2, see Barbour <i>et al.</i> (2003)	None
STEMRED	Stem redness (0–2); 0 = none, 2 = max.	None
SRO	Stem roundness (mm); SD1/SD3, see Barbour <i>et al.</i> (2003)	None
SV	Stem verrucae (0–2); 0 = absent, 2 = max.	None
WW	Waviness of stem wings (0–3); 0 = no wings, 1 = non-wavy wings, 3 = maximum waviness, see <i>E. nitens</i> Fig. 1 for example of wavy wings	None

Appendix 3. *F*-ratios and *P*-values of the significance test for the difference between *Eucalyptus nitens* and each native Tasmanian *Symphomyrtus* species for variables used in the canonical discriminant analysis

Missing values indicate the variable was not used in the analysis due to it lacking variance in one or both of the pure species

Character	<i>E. archeri</i> <i>F</i> -ratio <i>P</i> -value	<i>E. barberi</i> <i>F</i> -ratio <i>P</i> -value	<i>E. brookeriana</i> <i>F</i> -ratio <i>P</i> -value	<i>E. cordata</i> <i>F</i> -ratio <i>P</i> -value	<i>E. dalrympleana</i> <i>F</i> -ratio <i>P</i> -value	<i>E. gunnii</i> <i>F</i> -ratio <i>P</i> -value	<i>E. morrisbyi</i> <i>F</i> -ratio <i>P</i> -value	<i>E. johnstonii</i> <i>F</i> -ratio <i>P</i> -value
Bud character								
BUDFUS	92.3 0.000			2.2 0.141	1.3 0.259			
LFUS	135.5 0.000			442.3 0.000	278.3 0.000			
Leaf character								
CRENM	30.4 0.000	10.6 0.002	54.9 0.000	322.6 0.000	1.3 0.259	128.1 0.000	997.6 0.000	221.0 0.000
CORD	265.8 0.000	1072.2 0.000	1664.4 0.000	96.8 0.000	456.9 0.000	281.1 0.000	87.6 0.000	
LAML	984.7 0.000	167.0 0.000	123.2 0.000	374.4 0.000	107.3 0.000	858.5 0.000	734.2 0.000	190.2 0.000
LAMW	200.7 0.000	266.9 0.000	80.0 0.000	54.0 0.000	86.9 0.000	248.7 0.000	115.3 0.000	64.4 0.000
LA	6.4 0.015	4.8 0.034	0.1 0.762	0.8 0.378	0.2 0.659	0.8 0.388	35.3 0.000	2.0 0.168
LGL	4.4 0.043	194.1 0.000	151.9 0.000	23.7 0.000	20.2 0.000	69.1 0.000	34.5 0.000	75.0 0.000
LP	0.6 0.458	4.8 0.033	2.2 0.146	0.2 0.671	0.0 0.999	3.4 0.069	1.2 0.278	0.6 0.460
LTA	33.4 0.000	1.6 0.207	1.1 0.295	19.9 0.000	28.7 0.000	24.2 0.000	32.7 0.000	5.2 0.029
LWP	187.4 0.000	37.4 0.000	30.9 0.000	201.4 0.000	82.3 0.000	341.9 0.000	205.1 0.000	32.9 0.000
MRRED	17.6 0.000	0.7 0.406	2.3 0.135	33.0 0.000	1.4 0.239	26.6 0.000	17.6 0.000	6.0 0.020
PETL		79.0 0.000	208.9 0.000				2.3 0.137	133.9 0.000
Plant character								
HT10	281.3 0.000	76.2 0.000	1.5 0.224	76.6 0.000	10.9 0.002	101.7 0.000	124.1 0.000	7.6 0.009
LAT05	0.6 0.454	7.2 0.010	5.9 0.019	6.0 0.017	0.1 0.832	3.2 0.078	58.3 0.000	57.6 0.000
LAT610	6.0 0.019	2.4 0.127	54.0 0.000	2.3 0.131	11.0 0.002	18.7 0.000	55.0 0.000	100.1 0.000
LLLAT	1.1 0.295	10.8 0.002	1.0 0.322	3.5 0.067	6.0 0.018	8.4 0.006	8.4 0.006	2.0 0.167
NLLAT	1.7 0.204	0.3 0.573	3.3 0.074	0.0 0.915	3.5 0.068	1.8 0.190	8.2 0.006	0.0 0.934
Stem character								
INTER10	30.2 0.000	14.7 0.000	0.1 0.733	1.7 0.200	1.0 0.323	10.9 0.002	10.9 0.002	16.4 0.000
INTRAT10		51.0 0.000	62.9 0.000				2.4 0.126	19.5 0.000
SGL	43.2 0.000	208.9 0.000	124.8 0.000	2.7 0.104	64.6 0.000	2.2 0.146	8.3 0.006	73.2 0.000
SRE	5.4 0.024	4.4 0.042	18.1 0.000	0.0 0.982	6.9 0.012	12.2 0.001	2.7 0.110	0.5 0.486
STEMRED	24.8 0.000	19.4 0.000	1.1 0.298	38.3 0.000	0.2 0.656	27.3 0.000	72.7 0.000	5.0 0.032
SRO	727.6 0.000	928.7 0.000	392.4 0.000	184.9 0.000	548.4 0.000	871.9 0.000	887.6 0.000	221.4 0.000
SV	58.5 0.000	43.6 0.000	73.9 0.000	133.9 0.000	9.6 0.003	126.5 0.000	100.0 0.000	163.8 0.000
WW	257.2 0.000	362.5 0.000	257.2 0.000	231.7 0.000	257.2 0.000	388.9 0.000	257.2 0.000	127.0 0.000

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Appendix 3. (continued)

Character	<i>E. ovata</i> F-ratio P-value	<i>E. perriniana</i> F-ratio P-value	<i>E. rodwayi</i> F-ratio P-value	<i>E. rubida</i> F-ratio P-value	<i>E. subcrenulata</i> F-ratio P-value	<i>E. urnigera</i> F-ratio P-value	<i>E. vernicosa</i> F-ratio P-value	<i>E. viminalis</i> F-ratio P-value
Bud character								
BUDFUS		1.3 0.259						251.7 0.000
LFUS		51.5 0.000		496.1 0.000				
Leaf character								
CRENM	11.3 0.001	1.3 0.259	2.7 0.108	68.6 0.000	61.4 0.000	109.4 0.000	12.2 0.002	3.9 0.055
CORD	858.7 0.000	1240.1 0.000	2132.3 0.000	138.1 0.000	239.8 0.000	77.9 0.000	614.8 0.000	393.4 0.000
LAML	66.7 0.000	887.6 0.000	181.0 0.000	374.2 0.000	337.6 0.000	492.9 0.000	330.9 0.000	338.2 0.000
LAMW	44.9 0.000	0.1 0.783	228.7 0.000	33.2 0.000	58.5 0.000	72.5 0.000	139.7 0.000	235.6 0.000
LA	0.6 0.434	1.4 0.251	1.0 0.333	3.8 0.059	0.8 0.386	1.0 0.333	1.7 0.198	9.7 0.003
LGL	88.6 0.000	187.6 0.000	75.0 0.000	108.9 0.000	75.0 0.000	29.6 0.000	44.7 0.000	44.9 0.000
LP	2.9 0.096	0.0 0.962	2.1 0.154	0.0 0.939	4.4 0.043	0.9 0.361	0.1 0.805	0.2 0.659
LTA	7.5 0.008	204.4 0.000	10.2 0.003	29.4 0.000	24.3 0.000	18.1 0.000	1.2 0.277	32.6 0.000
LWP	4.5 0.039	448.2 0.000	22.1 0.000	91.5 0.000	58.3 0.000	127.1 0.000	70.3 0.000	256.2 0.000
MRRED	1.8 0.183	17.6 0.000	8.7 0.006	8.7 0.006	8.7 0.006	8.7 0.006	5.2 0.030	4.8 0.033
PETL	210.4 0.000		61.7 0.000				95.6 0.000	
Plant character								
HT10	1.2 0.287	43.1 0.000	134.9 0.000	78.6 0.000	68.0 0.000	65.1 0.000	272.5 0.000	45.0 0.000
LAT05	0.2 0.637	3.8 0.059	22.6 0.000	4.2 0.048	37.0 0.000	22.4 0.000	18.7 0.000	1.1 0.307
LAT610	52.3 0.000	15.4 0.000	43.8 0.000	6.0 0.020	33.3 0.000	90.6 0.000	31.7 0.000	24.7 0.000
LLLAT	2.3 0.139	3.0 0.093	1.3 0.268	2.7 0.107	0.5 0.466	29.2 0.000	0.7 0.419	5.9 0.019
NLLAT	10.9 0.002	3.2 0.079	0.4 0.527	2.2 0.145	1.3 0.258	0.7 0.417	0.0 0.889	4.3 0.042
Stem character								
INTER10	0.1 0.783	6.2 0.017	40.3 0.000	9.4 0.004	2.2 0.148	0.3 0.603	43.8 0.000	1.5 0.229
INTRA10	220.6 0.000		353.9 0.000		2.7 0.108		4.9 0.035	
SGL	224.1 0.000	10.7 0.002	73.2 0.000	0.7 0.404	73.2 0.000	73.2 0.000	43.6 0.000	119.6 0.000
SRE	30.9 0.000	1.6 0.212	6.9 0.013	3.1 0.085	9.8 0.004	0.8 0.384	2.0 0.164	2.1 0.149
STEMRED	55.8 0.000	5.2 0.027	20.6 0.000	0.7 0.408	8.5 0.006	2.6 0.118	8.2 0.008	1.7 0.195
SRO	513.4 0.000	784.9 0.000	412.4 0.000	506.6 0.000	82.9 0.000	300.8 0.000	89.1 0.000	746.4 0.000
SV	0.7 0.399	0.6 0.440	72.4 0.000	0.0 0.899	42.9 0.000	91.3 0.000	5.2 0.030	47.8 0.000
WW	238.3 0.000	257.2 0.000	127.0 0.000	127.0 0.000	50.1 0.000	68.2 0.000	32.0 0.000	388.9 0.000

Appendix 4. Untransformed means for the characters assessed in the morphometric analysis of *Eucalyptus nitens*, native Tasmanian *Symphyomyrtus* species and their F₁ hybrids with *E. nitens*

	<i>E. archeri</i>	<i>E. archeri</i> F ₁	<i>E. barberi</i>	<i>E. barberi</i> F ₁	<i>E. brookeriana</i>	<i>E. brookeriana</i> F ₁	<i>E. cordata</i>	<i>E. dalrympleana</i>	<i>E. dalrympleana</i> F ₁	<i>E. gunnii</i>	<i>E. gunnii</i> F ₁	<i>E. johnstonii</i>	<i>E. morrisbyi</i>	<i>E. morrisbyi</i> F ₁
Bud character														
BUDFUS (0–2)	0.5	2.0	0.0	1.0	0.0	1.2	1.9	2.0	2.0	0.0	1.6	0.1	0.0	1.4
LFUS (mm)	1.0	8.8	0.0	8.9	0.0	13.7	8.1	9.9	14.8	0.0	7.8	0.6	0.0	6.0
Leaf character														
CRENM (0–2)	0.6	0.2	0.4	0.4	0.9	0.9	1.7	0.1	0.0	1.4	0.7	1.2	1.9	0.6
CORD (mm)	1.4	5.0	0.0	2.3	0.0	2.9	4.5	1.2	3.2	2.2	6.1	0.0	3.2	4.9
LAML (mm)	20.2	56.5	45.7	71.3	53.0	72.4	39.1	49.1	73.0	18.4	45.2	40.8	23.2	38.1
LAMW (mm)	22.0	41.1	18.6	36.1	27.7	35.6	34.9	27.0	34.4	21.2	35.9	26.9	26.4	34.2
LA (°)	72.8	91.0	106.0	97.3	88.1	85.2	96.8	93.5	100.0	95.8	80.5	77.5	132.8	85.0
LGL (0–2)	2.6	2.2	0.0	0.5	0.0	0.0	2.9	1.3	2.0	4.0	3.0	0.0	3.5	3.4
LP (°)	6.5	5.0	18.9	13.6	16.3	14.3	10.3	8.3	7.5	4.8	7.4	10.0	11.5	16.8
LTA (°)	98.2	95.0	85.6	89.5	86.1	84.7	95.4	76.3	84.6	96.0	97.1	94.1	98.7	99.2
LWP (mm)	8.4	12.0	19.3	24.1	20.5	25.9	11.1	13.6	21.3	6.6	13.5	16.9	7.9	12.2
MRRED (0–2)	0.0	0.0	0.5	0.8	0.4	0.3	0.0	0.5	1.0	0.0	0.1	0.1	0.0	0.3
PETL (mm)	0.0	0.1	1.5	0.0	4.1	0.2	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0
Plant character														
HT10 (mm)	160	254	211	239	332	332	250	286	274	230	277	288	214	268
LAT05	3.6	2.8	5.4	5.3	4.9	1.6	4.8	3.1	1.5	4.2	5.4	9.7	8.5	6.8
LAT610	4.2	4.2	3.8	5.8	7.7	5.2	3.8	4.8	4.5	5.2	4.1	9.2	7.8	4.3
LLLAT (mm)	106	80	158	203	105	88	116	128	145	123	120	116	133	121
NLLAT (node)	5.8	5.2	5.3	6.5	6.8	5.8	4.8	6.4	8.0	5.6	5.7	4.3	7.6	5.8
Stem character														
INTER10 (mm)	20.5	31.4	24.6	35.6	33.9	39.2	30.4	35.7	35.7	26.2	37.0	47.6	25.4	31.9
INTRA10 (mm)	0.3	0.0	5.0	0.2	8.2	0.4	0.0	0.0	0.0	0.0	0.0	2.4	0.3	0.0
SGL (0–2)	0.5	0.8	0.0	0.0	0.1	0.1	1.8	0.3	0.5	1.4	1.3	0.0	1.2	1.8
SRE (mm)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
STEMRED (0–2)	0.3	0.6	1.4	0.8	0.7	0.4	0.2	0.9	0.0	0.3	0.2	0.5	0.1	0.4
SRO (mm)	0.9	0.8	0.9	0.8	0.9	0.6	0.8	1.0	0.9	0.9	0.8	0.8	1.0	0.8
SV (0–2)	1.0	0.6	1.0	0.5	1.2	0.9	1.4	0.5	0.5	1.0	0.7	1.8	1.2	0.5
WW (0–3)	0.0	0.0	0.0	0.5	0.0	0.7	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.2

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Appendix 4. (continued)

	<i>E. ovata</i>	<i>E. ovata</i> F ₁	<i>E. perriniana</i>	<i>E. perriniana</i> F ₁	<i>E. rodwayi</i>	<i>E. rubida</i>	<i>E. subcrenulata</i>	<i>E. urnigera</i>	<i>E. vernicosa</i>	<i>E. vernicosa</i> F ₁	<i>E. viminalis</i>	<i>E. viminalis</i> F ₁	<i>E. nitens</i>
Bud character													
BUDFUS (0–2)	0.0	1.3	1.9	2.0	0.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
LFUS (mm)	0.0	14.3	3.7	10.8	0.0	4.3	0.0	0.0	0.0	15.1	11.7	17.9	35.5
Leaf character													
CRENM (0–2)	0.4	0.3	0.1	0.0	0.1	0.9	1.0	1.4	0.3	0.0	0.1	0.1	0.0
CORD (mm)	0.1	3.4	0.1	8.4	0.0	2.4	1.8	3.6	0.0	2.7	1.5	3.4	8.6
LAML (mm)	59.5	76.9	21.9	54.1	38.9	25.7	29.7	24.9	17.0	46.4	40.6	61.2	94.4
LAMW (mm)	33.5	39.6	49.9	53.6	13.1	31.7	27.7	25.6	11.6	24.9	20.9	33.0	49.4
LA (°)	95.6	78.9	98.3	93.3	99.5	109.0	98.5	99.5	75.0	50.0	111.5	100.3	90.4
LGL (0–2)	0.4	0.5	4.8	3.3	0.0	4.8	0.0	0.6	0.0	0.0	1.0	1.7	2.1
LP (°)	16.6	14.6	7.0	3.3	4.5	9.5	15.5	13.5	7.5	0.0	10.5	10.5	9.4
LTA (°)	93.3	86.7	108.3	101.5	78.8	101.3	99.8	98.4	84.3	81.6	76.5	80.3	87.7
LWP (mm)	27.0	28.1	1.8	13.2	18.7	9.1	12.7	7.2	7.6	14.0	9.4	14.7	31.7
MRRED (0–2)	0.5	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.7
PETL (mm)	4.5	0.0	0.0	0.0	0.9	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0
Plant character													
HT10 (mm)	330	338	244	244	188	214	215	222	86	193	262	285	319
LAT05	2.6	3.7	1.7	2.2	7.4	4.7	8.3	7.4	7.8	10.0	3.6	2.5	2.9
LAT610	7.0	3.7	0.8	3.3	7.5	4.8	6.9	9.1	7.7	10.0	5.4	4.5	2.7
LLLAT (mm)	113	106	59	155	71	122	105	188	72	170	120	109	91
NLLAT (node)	7.7	6.5	3.6	6.3	3.5	6.6	6.1	5.6	4.2	3.0	6.3	7.8	4.6
Stem character													
INTER10 (mm)	32.7	39.9	27.2	26.2	16.1	23.8	28.4	35.2	11.6	30.0	30.4	34.0	33.3
INTRA10 (mm)	16.3	0.2	0.0	0.0	7.6	0.0	0.3	0.0	0.4	0.0	0.0	0.0	0.0
SGL (0–2)	0.0	0.1	2.0	1.5	0.0	1.4	0.0	0.0	0.0	0.0	0.2	0.7	1.6
SRE (mm)	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0
STEMRED (0–2)	0.1	0.5	0.6	0.0	0.2	0.7	0.4	0.6	0.3	0.0	0.7	0.4	0.8
SRO (mm)	0.9	0.6	1.0	0.8	1.0	1.0	0.7	0.9	0.7	0.5	0.9	0.8	0.4
SV (0–2)	0.2	0.7	0.2	0.3	1.0	0.1	1.1	1.5	0.5	1.0	0.9	0.6	0.1
WW (0–3)	0.2	0.8	0.0	0.2	0.0	0.0	0.7	0.2	0.3	0.1	0.0	0.3	2.5