

Appendix 1. Description of the JLA+ sequence characters varying among the cpDNA haplotypes of *Eucalyptus perriniana* and the GENBANK accession number where the sequence can be consulted

BP ^A	Mutation ^B	Haplotype																	
		CC41	CC56	CC58	CC59	CC60	CC61	CC63	CC64	CC65	CG31	CG32	S78	S81	S102	S103	ET18	ET19	I22
GENBANK no.		DQ915426	AY620896	DQ915427	DQ915428	DQ915429	DQ915430	DQ915431	DQ915432	DQ915433	DQ915424	DQ915425	AY620899	AY620900	DQ915436	DQ915437	DQ915434	DQ915435	DQ915438
52	A/C/T	A	A	A	A	C	A	A	A	A	A	A	A	A	T	A	A	A	A
65	AATTATT	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1
74	POLY A	2	2	2	2	C	C	2	2	C	2	2	6	6	6	5	2	2	2
96	TTATTATTCA ₅ TA - GAGTAATTAATCA ₅	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
144	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
163	AAAAATAGG - AGTAATTAAT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
187	C/G/?	G	G	G	G	G	G	G	G	C	C	?	?	?	?	?	?	?	
187	SGAAT	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
199	C/G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
291	TA	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
293	TA	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
297	POLY T	2	2	4	A	2	3	4	A	A	4	3	J	J	J	J	N	N	I
315	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
319	GG/CC = 1/2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
324	T	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	
325	POLY A	2	2	0	7	9	6	3	0	7	3	3	A	J	H	I	K	K	C
379	C	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	
380	POLY A	6	5	4	4	3	5	7	4	4	7	7	1	1	1	1	5	5	6
485	G/T	T	T	G	T	T	T	T	G	T	T	T	T	T	T	T	T	T	
486	A/C	A	A	A	A	C	C	A	A	A	A	A	A	A	A	A	A	A	
512	TAACATTTTCTA - TCTTAATTATGAG	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
630	A	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	
648	POLY A	3	4	4	3	4	6	3	4	3	3	3	4	4	4	4	5	5	4
741	AAAGGGTTGAAAA GAATGTATATAAA TTC	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
886	AAAGGGTTGAAAA GAATGTAGATAAA TTC	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
1051	CTTCTTaTGTTGA - AGTAAAgAAAAA	1	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	0	0

^ABase pair number in a larger sequence alignment available from the authors on request.

^BPoly A/T tracts were coded as multistate characters. Codes for all known states are available from the authors on request.