

COLIN E. HUGHES, C. DONOVAN BAILEY, AND STEPHEN A. HARRIS. 2002. Divergent and reticulate species relationships in *Leucaena* (Fabaceae) inferred from multiple data sources: insights into polyploid origins and nrDNA polymorphism. *American Journal of Botany* 89(7): 1057-1073.

Chloroplast DNA restriction site characters. Mutations refer to DNA fragments measured in kilobase pairs. Numbers in brackets indicate fragments that were inferred to be present but not observed either because they were masked by similar sized fragments or were too small to detect. The “fragments” label for characters 111 and 112 indicates that numerous small fragments that could not be precisely mapped were observed. The *Vigna* SAVI chloroplast probe identification codes follow Palmer and Thompson (1981).

Character	Enzyme	Probe	Mutation	
			0	1
1	<i>BamH</i> -I	MB1	3.2	2.9+(0.3)
2	<i>BamH</i> -I	MB1	4.6+(0.9)	5.6
3	<i>BamH</i> -I	MB1	11.4	8.00+(3.4)
4	<i>BamH</i> -I	MB11-12	8.6	6.0+2.6
5	<i>BamH</i> -I	MB11-12	3.3+(0.2)	3.5
6	<i>BamH</i> -I	MB11-12	3.3	3.2+(0.1)
7	<i>BamH</i> -I	MB2	4.1	2.4+(1.7)
8	<i>BamH</i> -I	MB3	3.6+(0.1)	3.7
9	<i>BamH</i> -I	MB3	2.0+(0.8)	2.8
10	<i>BamH</i> -I	MB3	1.6+(0.1)	1.7
11	<i>BamH</i> -I	MB3	2.0+(0.1)	2.1
12	<i>BamH</i> -I	MB3	2.0+(0.2)	2.2
13	<i>BamH</i> -I	MB3	2	1.9+(0.1)
14	<i>BamH</i> -I	MB3	2.0+(0.6)	2.6
15	<i>BamH</i> -I	MB3	1.7+(0.1)	1.8

16	<i>BamH-I</i>	MB3	2.6	2.5+(0.1)
17	<i>BamH-I</i>	MB3	2.6+(0.1)	2.7
18	<i>BamH-I</i>	MB3	2.6+(0.2)	2.8
19	<i>BamH-I</i>	MB3	1.8+2.2	4
20	<i>BamH-I</i>	MB3	3.6+2.0	5.6
21	<i>BamH-I</i>	MB5/7	4.5+(0.3)	4.8
22	<i>BamH-I</i>	MB5/7	4.5+(1.5)	6
23	<i>BamH-I</i>	MB5/7	3.7+(0.3)	4
24	<i>BamH-I</i>	MB5/7	3.7+(0.8)	4.5
25	<i>BamH-I</i>	MB5/7	2.6+(0.2)	2.8
26	<i>BamH-I</i>	MB5/7	2.6+(0.1)	2.7
27	<i>BamH-I</i>	MB5/7	2.6	2.5+(0.1)
28	<i>Bcl-I</i>	MB1	1.5+(0.9)	2.6
29	<i>Bcl-I</i>	MB1	4.1+1.5	5.6
30	<i>Bcl-I</i>	MB11-12	8.5+(1.5)	10
31	<i>Bcl-I</i>	MB11-12	8.5+(0.5)	9
32	<i>Bcl-I</i>	MB3	4.7+(0.1)	4.8
33	<i>Bcl-I</i>	MB5/7	7.7+(0.5)	8
34	<i>Bcl-I</i>	MB5/7	4.6+(0.2)	4.8
35	<i>Bcl-I</i>	MB5/7	2.9+(0.2)	3.1
36	<i>Bgl-II</i>	MB1	6.7+(0.2)	6.9
37	<i>Bgl-II</i>	MB1	2.9+(0.2)	3.1
38	<i>Bgl-II</i>	MB1	0.64+(0.12)	0.76

39	<i>Bgl</i> -II	MB1	3.5	3.0+(0.5)
40	<i>Bgl</i> -II	MB11/12	9.0+(1.4)	10.4
41	<i>Bgl</i> -II	MB11/12	9	5.3+(3.7)
42	<i>Bgl</i> -II	MB3	2.9+(0.5)	3.4
43	<i>Bgl</i> -II	MB3	3.6	2.9+0.7
44	<i>Bgl</i> -II	MB5-7	6.6+(0.2)	6.8
45	<i>Bgl</i> -II	MB5-7	7.1+(0.7)	7.8
46	<i>Bgl</i> -II	MB5-7	6.6+(0.6)	7.2
47	<i>Bgl</i> -II	MB5-7	4.3+(0.1)	4.4
48	<i>Bgl</i> -II	MB9	6.4+(3.5)	9.9
49	<i>Bgl</i> -II	MB9	6.4	4.7+1.7
50	<i>Bsc</i> -I	MB1	2.4+(0.2)	2.6
51	<i>Bsc</i> -I	MB1	2.4+(0.6)	3
52	<i>Bsc</i> -I	MB3	4.0+(0.6)	4.6
53	<i>Bsc</i> -I	MB3	5.7	3.9+1.8
54	<i>Bsc</i> -I	MB3	3.6+(0.3)	3.9
55	<i>Bsc</i> -I	MB5-7	12.3	10.2+(2.1)
56	<i>Bsc</i> -I	MB5-7	4.4+(0.4)	4.8
57	<i>Bsc</i> -I	MB5-7	4.4+(1.0)	5.8
58	<i>EcoR</i> -I	MB1	3.9+(0.1)	4
59	<i>EcoR</i> -I	MB1	3.9	3.8+(0.1)
60	<i>EcoR</i> -I	MB1	3.9+(0.3)	4.2
61	<i>EcoR</i> -I	MB1	3.9+(0.6)	4.5

62	<i>EcoR</i> -I	MB1	3.9+(0.05)	3.95
63	<i>EcoR</i> -I	MB9	5.1+(0.3)	5.4
64	<i>EcoR</i> -I	MB9	5.1	4.9+(0.2)
65	<i>EcoR</i> -I	MB9	5.1	4.5+(0.6)
66	<i>EcoR</i> -I	MB9	3.4+(0.8)	4.2
67	<i>EcoR</i> -V	MB11-12	9.5	4.5+5.0
68	<i>EcoR</i> -V	MB11-12	9.5	5.8+3.7
69	<i>EcoR</i> -V	MB11-12	6.4	5.9+(0.5)
70	<i>EcoR</i> -V	MB2	10.0+(6.1)	16.1
71	<i>EcoR</i> -V	MB2	10.0+(1.0)	11
72	<i>EcoR</i> -V	MB2	10.0+(5.0)	15
73	<i>EcoR</i> -V	MB2	10.0+(7.0)	17
74	<i>EcoR</i> -V	MB3	7.2+4.4	11.6
75	<i>EcoR</i> -V	MB3	7.2+(0.2)	7.4
76	<i>EcoR</i> -V	MB9	4	3.4+(0.6)
77	<i>EcoR</i> -V	MB9	5.7	3.0+2.7
78	<i>HinD</i> -III	MB11-12	9.0+(0.3)	9.3
79	<i>HinD</i> -III	MB3	10.6	9.1+(1.5)
80	<i>HinD</i> -III	MB3	10.6	11.0+(0.4)
81	<i>HinD</i> -III	MB5/7	8.0+(0.8)	8.8
82	<i>HinD</i> -III	MB5/7	8.1+(0.5)	8.6
83	<i>HinD</i> -III	MB5/7	8.1	7.8+(0.3)
84	<i>Nru</i> -I	MB11-12	4.7+(0.2)	4.9

85	<i>Nru-I</i>	MB11-12	4.7+(0.9)	5.6
86	<i>Nru-I</i>	MB2	12.6	11.3+(1.3)
87	<i>Nsi-I</i>	MB1	1.9+(0.2)	2.1
88	<i>Nsi-I</i>	MB1	1.9+(0.1)	2
89	<i>Nsi-I</i>	MB1	1.9	1.8+(0.1)
90	<i>Nsi-I</i>	MB1	1.9+(0.5)	2.4
91	<i>Nsi-I</i>	MB1	8.7+(2.0)	10.8
92	<i>Nsi-I</i>	MB1	4	2.8+(1.2)
93	<i>Nsi-I</i>	MB11-12	7.3+(1.2)	8.5
94	<i>Nsi-I</i>	MB11-12	7.3+(0.4)	7.7
95	<i>Nsi-I</i>	MB11-12	7.3+(1.4)	8.7
96	<i>Nsi-I</i>	MB3	5.9+1.7	7.8
97	<i>Nsi-I</i>	MB3	4.8	3.3+1.5
98	<i>Nsi-I</i>	MB3	1.7+(0.5)	2.2
99	<i>Nsi-I</i>	MB3	1.7	1.6+(0.1)
100	<i>Nsi-I</i>	MB3	1.7+(0.1)	1.8
101	<i>Nsi-I</i>	MB3	1.7+(0.2)	1.9
102	<i>Nsi-I</i>	MB3	5.7	3.3+2.4
103	<i>Nsi-I</i>	MB5/7	3.6+(0.3)	3.9
104	<i>Nsi-I</i>	MB5/7	3.6	3.0+(0.6)
105	<i>Nsi-I</i>	MB5/7	3.6+(0.6)	4.2
106	<i>Nsi-I</i>	MB5/7	4.9+(0.1)	5
107	<i>Nsi-I</i>	MB5/7	4.9+(0.3)	5.2

108	<i>Nsi</i> -I	MB5/7	6.5+(0.5)	7
109	<i>Pst</i> -I	MB1	14.9+1.0	15.9
110	<i>Pst</i> -I	MB5/7	18.4+3.6	22
111	<i>Pst</i> -I	MB5/7	2.4	fragments
112	<i>Pst</i> -I	MB5/7	9.3	fragments
113	<i>Pst</i> -I	MB9	11.2+7.2	18.4
114	<i>Pvu</i> -II	MB5/7	5.5+(0.9)	6.4
115	<i>Pvu</i> -II	MB5/7	5.5+(0.5)	6
116	<i>Pvu</i> -II	MB5/7	5.5+(1.7)	7.2
117	<i>Pvu</i> -II	MB5/7	5.5+(1.0)	6.5
118	<i>Pvu</i> -II	MB5/7	5.5+(0.3)	5.8
119	<i>Pvu</i> -II	MB9	20+13	33
120	<i>Sac</i> -I	MB11-12	9.6	8.4+(1.2)
121	<i>Sac</i> -I	MB11-12	9.6	8.1+(1.5)
122	<i>Sac</i> -I	MB11-12	5.9	5.5+(0.4)
123	<i>Sac</i> -I	MB11-12	5.5	3.1+(2.4)
124	<i>Sst</i> -I	MB1	32	26.5+5.5
125	<i>Sst</i> -I	MB3	11+11	22
126	<i>Stu</i> -I	MB3	10.6	6.3+4.3
127	<i>Stu</i> -I	MB5/7	2.8+(0.1)	2.9
128	<i>Stu</i> -I	MB5/7	2.8+(0.2)	3
129	<i>Stu</i> -I	MB5/7	2.8+(0.3)	3.1
130	<i>Stu</i> -I	MB5/7	2.8+(0.05)	2.85

131	<i>Xho</i> -I	MB1	11.4+(1.6)	13
132	<i>Xho</i> -I	MB1	6.3+(0.5)	6.8
133	<i>Xho</i> -I	MB1	35.6	21+14.6
134	<i>Xho</i> -I	MB11-12	10.7+18.5	29.2
