

PHILIPPE CUÉNOUD, VINCENT SAVOLAINEN, LARS W. CHATROU, MARTYN POWELL, RENÉE J. GRAYER, AND MARK W. CHASE. 2002. Molecular phylogenetics of the Caryophyllales based on 18S rDNA, and plastid *rbcL*, *atpB*, and *matK* sequences. *American Journal of Botany* 89(1): 132-144.

Table 4. Specimens and sequences used in this paper. Voucher specimens for new data are housed at the Royal Botanical gardens, Kew, unless stated otherwise. A) *matK* sequences, B) *rbcL* sequences, C) *atpB* sequences, D) 18S rDNA sequences, and E) specimens for pigment analysis.

A) *matK*

Family	Species	Voucher/Citation	Accession number ^a
Achatocarpaceae	<i>Achatocarpus praecox</i> Griseb.	Pedersen 9637	GBAN-AY042533
Achatocarpaceae	<i>Phaulothamnus spinescens</i> A. Gray	Manhart s.n.	GBAN-AY042630
Aextoxicaceae	<i>Aextoxicon punctatum</i> Ruiz. Et Pav.	Chase 959	GBAN-AY042536
Agdestidaceae	<i>Agdestis clematidea</i> Moc. & Sesse	Rotschild 330	GBAN-AY042538
Aizoaceae	<i>Delosperma echinatum</i> Schwantes	Chase 2536	GBAN-AY042575
Aizoaceae	<i>Galenia pubescens</i> Druce	Bayliss BRI.B.33	GBAN-AY042589
Aizoaceae	<i>Phyllobolus noctiflorus</i> (L.) V. Bittrich	Chase 10937	GBAN-AY042619
Aizoaceae	<i>Plinthus cryptocarpus</i> Fenzl	Leistner 2909	GBAN-AY042633
Aizoaceae	<i>Ruschia schollii</i> Graessn.	Chase 10936	GBAN-AY042649
Aizoaceae	<i>Trichodiadema barbatum</i> Schwantes	Chase 10938	GBAN-AY042666
Amaranthaceae	<i>Achyranthes arborescens</i> R. Br.	Chase 2842	GBAN-AY042534
Amaranthaceae	<i>Alternanthera</i> sp.	Chase 10949	GBAN-AY042543
Amaranthaceae	<i>Amaranthus acutilobus</i> Uline & Bray	Chase 10940	GBAN-AY042544
Amaranthaceae	<i>Atriplex patula</i> L.	Chase 10952	GBAN-AY042550

Amaranthaceae	<i>Axyris hybrida</i> L.	Colls 133	GBAN-AY042551
Amaranthaceae	<i>Beta trigyna</i> Waldst. & Kit.	Chase 10939	GBAN-AY042555
Amaranthaceae	<i>Blackiella inflata</i> (F. Muell.) Aellen	Bayliss BRI 13 382	GBAN-AY042557
Amaranthaceae	<i>Bosea cypria</i> Boiss. ex Hook. f.	Chase 10945	GBAN-AY042559
Amaranthaceae	<i>Celosia</i> sp. "Venezuela"	Cuénoud s.n.	GBAN-AY042565
Amaranthaceae	<i>Chenopodium bonus-henricus</i> L.	Chase 10943	GBAN-AY042567
Amaranthaceae	<i>Froelichia gracilis</i> Moq.	Chase 10947	GBAN-AY042588
Amaranthaceae	<i>Gomphrena</i> "hybrida"	Chase 10948	GBAN-AY042594
Amaranthaceae	<i>Hablitzia tamnoides</i> Bieb.	Chase 10941	GBAN-AY042598
Amaranthaceae	<i>Iresine herbstii</i> Hook. "brillantissima"	Chase 10950	GBAN-AY042603
Amaranthaceae	<i>Kochia trichophylla</i> Hort.	Chase 10946	GBAN-AY042604
Amaranthaceae	<i>Maireana sedifolia</i> (F. Muell.) P.G. Wilson	Chase 10951	GBAN-AY042613
Amaranthaceae	<i>Psilotrichum gnaphalobryum</i> Schinz	Burger 3399	GBAN-AY042638
Amaranthaceae	<i>Ptilotus manglesii</i> (Lindl.) F.Muell.	Chase 10944	GBAN-AY042640
Amaranthaceae	<i>Rhagodia baccata</i> (Labill.) Moq.	Chase 10942	GBAN-AY042643
Amaranthaceae	<i>Spinacia oleracea</i> L.	Schmitz-Linneweber et al. (2001)	AJ400848
Amaranthaceae	<i>Suaeda vera</i> Forsk.	Chase 11007	GBAN-AY042658
Ancistrocladaceae	<i>Ancistrocladus korupensis</i> D.W. Thomas & R.E. Gereau	Gereau et al. 5203 MO	GBAN-AY042546
Asteropeiaceae	<i>Asteropeia micraster</i> H. Hallier	Civeyrel s.n., K	GBAN-AY042549
Barbeuiaceae	<i>Barbeuia madagascariensis</i> Steud.	Zarucetti 7407	GBAN-AY042552
Basellaceae	<i>Anredera cordifolia</i> (Ten.) van Steenis	Chase 10954	GBAN-AY042547

Basellaceae	<i>Basella alba</i> L.	Chase 10953	GBAN-AY042553
Berberidopsidaceae	<i>Berberidopsis corallina</i> Hook.	Chase 555	GBAN-AY042554
Cactaceae	<i>Opuntia microdasys</i> Pfeiff.	Chase 10956	GBAN-AY042622
Cactaceae	<i>Pereskia aculeata</i> Mill. "Godseffiana"	Chase 11008	GBAN-AY042626
Cactaceae	<i>Quiabentia verticillata</i> (Vaupel) Borg	Chase 10955	GBAN-AY042641
Cactaceae	<i>Rhipsalis teres</i> Steud.	Chase 2545	GBAN-AY042645
Cactaceae	<i>Tacinga funalis</i> Britton & Rose	Chase 10957	GBAN-AY042660
Caricaceae	<i>Carica papaya</i> L.	Chase 2508	GBAN-AY042564
Caryophyllaceae	<i>Agrostemma githago</i> L.	Cuénoud s.n.	GBAN-AY042539
Caryophyllaceae	<i>Arenaria tetraquetra</i> L.	Chase 10964	GBAN-AF400155
Caryophyllaceae	<i>Gypsophila altissima</i> L.	Chase 8852	GBAN-AY042597
Caryophyllaceae	<i>Honckenya peploides</i> (L.) Her.	Chase 8849	GBAN-AY042602
Caryophyllaceae	<i>Lychnis coronaria</i> Franch. & Sav.	Chase 8851	GBAN-AY042612
Caryophyllaceae	<i>Moehringia trinervia</i> (L.) Clairv.	Sheahan, Fay, and Cuénoud s.n.	GBAN-AY042615
Caryophyllaceae	<i>Paronychia</i> sp.	Chase 7904	GBAN-AF400154
Caryophyllaceae	<i>Saponaria ocymoides</i> L.	Chase 10965	GBAN-AY042651
Caryophyllaceae	<i>Silene italica</i> Pers.	WP 0094074	GBAN-AF400153
Caryophyllaceae	<i>Silene rotmahleri</i> Pinto da Silva	Cotrim s.n.	GBAN-AY042656
Caryophyllaceae	<i>Telephium oligospermum</i> Steud. ex Boiss.	Omar, Al Kaisi , and Al Khayat 52567	GBAN-AY042664
Caryophyllaceae	<i>Vaccaria segetalis</i> Asch.	Chase 8954	GBAN-AY042669
Cornaceae	<i>Cornus mas</i> L.	Chase 2520	GBAN-AY042573
Didiereaceae	<i>Alluaudia ascendens</i>	Chase 2543	GBAN-

	Drake		AY042541
Didiereaceae	<i>Alluaudiopsis fihirenensis</i> Humbert & Choux	77101 (HNT)	GBAN-AY042542
Didiereaceae	<i>Decarya madagascariensis</i> Choux	Chase 10972	GBAN-AY042574
Didiereaceae	<i>Didierea trollii</i> Capuron & Rauh	Chase 10973	GBAN-AY042576
Dilleniaceae	<i>Dillenia philippinensis</i> Rolfe	Chase 2102	GBAN-AY042577
Dilleniaceae	<i>Tetracera asiatica</i> (Lour.) Hoogl.	Chase 1238	GBAN-AY042665
Dioncophyllaceae	<i>Dioncophyllum tholloni</i> Baill.	Meimberg et al. (2000)	GBAN-AF204844
Dioncophyllaceae	<i>Habropetalum dawei</i> (Huchinson & Dalziel) Airy Shaw	Meimberg et al. (2000)	GBAN-AF204845
Dioncophyllaceae	<i>Triphyophyllum peltatum</i> (Hutchinson & Dalziel) Airy Shaw	Chase 663	GBAN-AY042667
Droseraceae	<i>Dionaea muscipula</i> Ellis ex Linn.	Chase 10958	GBAN-AY042578
Droseraceae	<i>Drosera communis</i> A. St.-Hil.	Chase 2852	GBAN-AY042579
Drosophyllaceae	<i>Drosophyllum lusitanicum</i> Link	Chase 10974	GBAN-AY042580
Frankeniaceae	<i>Frankenia corymbosa</i> Desf.	Chase 1880	GBAN-AY042587
Gisekiaceae	<i>Gisekia africana</i> Kuntze	Germhuizen 2382	GBAN-AY042591
Gunneraceae	<i>Gunnera perpensa</i> L.	CFR27	GBAN-AY042596
Halophytaceae	<i>Halophytum ameghinoi</i> Speg.	Tortosa, Bartoli, and Chubut s.n.	GBAN-AY042599
Molluginaceae	<i>Adenogramma</i> sp.	Goldblatt 11515	GBAN-AY042535
Molluginaceae	<i>Corbichonia decumbens</i> (Forsk.) Exell	Hedberg & Hedberg 92044	GBAN-AY042572
Molluginaceae	<i>Glinus lotoides</i> L.	Clarkson 5499	GBAN-AY042592
Molluginaceae	<i>Glischrothamnus ulei</i> Pilger	Harley 19007	GBAN-AY042593
Molluginaceae	<i>Limeum africanum</i> L.	Goldblatt 11512	GBAN-AY042608

Molluginaceae	<i>Pharnaceum</i> sp. “orange”	Goldblatt 11511	GBAN- AY042629
Molluginaceae	<i>Suessenguthiella scleranthoides</i> (Sond.) Friedrich	Merxmüller and Giess 28 859	GBAN- AY042659
Nepenthaceae	<i>Nepenthes alata</i> Blanco	Chase 145	GBAN- AY042618
Nyctaginaceae	<i>Allionia incarnata</i> L.	Saravia Toledo et al. 13053	GBAN- AY042540
Nyctaginaceae	<i>Boerhavia coccinea</i> Mill.	Wood 2923	GBAN- AY042558
Nyctaginaceae	<i>Bougainvillea glabra</i> Choisy	Chase 2485	GBAN- AY042560
Nyctaginaceae	<i>Commicarpus raynalii</i> J.-P. Lebrun & R.D. Meikle	Chase 10975	GBAN- AY042571
Nyctaginaceae	<i>Mirabilis jalapa</i> L.	Chase 3055	GBAN- AY042614
Nyctaginaceae	<i>Oxybaphus nyctagineus</i> Sweet	Chase 10976	GBAN- AY042624
Nyctaginaceae	<i>Pisonia umbellifera</i> (J. R. & G. Forst.) Seem.	Chase 10977	GBAN- AY042632
Nyctaginaceae	<i>Selinocarpus somalensis</i> Chiov.	Thulin 5642	GBAN- AY042655
Olacaceae	<i>Heisteria parvifolia</i> Sm.	Cheek 5985	GBAN- AY042600
Olacaceae	<i>Olax benthamiana</i> Miq.	Chase 2176	GBAN- AY042620
Opiliaceae	<i>Opilia</i> sp.	Chase 1903	GBAN- AY042621
Phytolaccaceae (Microteae)	<i>Lophiocarpus burchellii</i> Hook. f.	de Winter 3156	GBAN- AY042611
Phytolaccaceae (Phytolacchoideae)	<i>Ercilla volubilis</i> A. Juss.	Chase 2526	GBAN- AY042583
Phytolaccaceae (Phytolacchoideae)	<i>Phytolacca dioica</i> L.	Chase 2535	GBAN- AY042631
Phytolaccaceae (Rivinoideae)	<i>Gallesia integrifolia</i> (Spreng.) Harms	Hatschbach and Silva 52188	GBAN- AY042590
Phytolaccaceae (Rivinoideae)	<i>Hillieria latifolia</i> H. Walter	de Wilde 301	GBAN- AY042601
Phytolaccaceae (Rivinoideae)	<i>Ledenbergia macrantha</i> Standley	Berendsohn et al. 1289	GBAN- AY042606
Phytolaccaceae (Rivinoideae)	<i>Petiveria alliacea</i> L.	Aguilar 3472	GBAN- AY042628

Phytolaccaceae (Rivinoideae)	<i>Rivina humilis</i> L.	Chase 10978	GBAN- AY042646
Phytolaccaceae (Rivinoideae)	<i>Seguieria aculeata</i> Jacq.	Chase 10979	GBAN- AY042654
Plumbaginaceae	<i>Afrolimon purpuratum</i> (L.) I.A. Linchevskii	Fred-Mayer s.n.	GBAN- AY042537
Plumbaginaceae	<i>Armeria maritima</i> Girard ex Boiss.	Chase 708	GBAN- AY042548
Plumbaginaceae	<i>Ceratostigma minus</i> Stapf ex Prain	Chase 707	GBAN- AY042566
Plumbaginaceae	<i>Dyerophytum africanum</i> Kuntze	Herman, 27-II-1983	GBAN- AY042581
Plumbaginaceae	<i>Goniolimon</i> sp.	Chase 1707	GBAN- AY042595
Plumbaginaceae	<i>Limoniastrum</i> <i>monopetalum</i> Boiss.	Curco et al. 15-X-94	GBAN- AY042609
Plumbaginaceae	<i>Limonium cavanillesii</i> M. Erben	Camunas et al. 12-VII-94	GBAN- AY042610
Plumbaginaceae	<i>Plumbago europaea</i> L.	Crespo and Lledo, 7/10/95	GBAN- AY042634
Plumbaginaceae	<i>Psylliostachys suvorovii</i> (Regel) Roshk.	Chase 711	GBAN- AY042639
Polygonaceae	<i>Bistorta vacciniifolia</i> Greene	Chase 10980	GBAN- AY042556
Polygonaceae	<i>Brunnichia cirrhosa</i> Gaertn.	Chase 907	GBAN- AY042561
Polygonaceae	<i>Coccoloba peltata</i> Schott	Chase 10981	GBAN- AY042570
Polygonaceae	<i>Emex spinosa</i> (L.) Campd.	Chase 1016	GBAN- AY042582
Polygonaceae	<i>Eriogonum flavum</i> Nutt.	Chase 923	GBAN- AY042584
Polygonaceae	<i>Fagopyrum cymosum</i> Meissn.	Chase 893	GBAN- AY042585
Polygonaceae	<i>Fallopia japonica</i> (Houtt.) L.P. Ronse Decraene	Chase 898	GBAN- AY042586
Polygonaceae	<i>Koenigia forrestii</i> (Diels) Mesicek & Sojak	Chase 888	GBAN- AY042605
Polygonaceae	<i>Muehlenbeckia axillaris</i> (Hook.f.) Endl.	Chase 883	GBAN- AY042617
Polygonaceae	<i>Oxyria sinensis</i> Hemsl.	Chase 895	GBAN- AY042625
Polygonaceae	<i>Persicaria runcinata</i>	Chase 900	GBAN-

	(Buch.-Ham. ex D. Don) Masamune		AY042627
Polygonaceae	<i>Polygonum sachalinense</i> F. Schmidt ex Maxim.	Chase 896	GBAN- AY042635
Polygonaceae	<i>Rheum pinchonii</i> Pierre ex F. B. Forbes & Hemsl.	Chase 926	GBAN- AY042644
Polygonaceae	<i>Rumex induratus</i> Boiss. & Reut.	Chase 925	GBAN- AY042647
Polygonaceae	<i>Ruprechtia coriacea</i> Blake	Chase 1336	GBAN- AY042648
Polygonaceae	<i>Triplaris americana</i> L.	Chase 1337	GBAN- AY042668
Portulacaceae	<i>Anacampseros</i> <i>papyracea</i> E. Mey. ex Sond.	Chase 10986	GBAN- AY042545
Portulacaceae	<i>Calandrinia feltonii</i> Skottsbo.	Chase 7000	GBAN- AY042562
Portulacaceae	<i>Calyptrotheca</i> <i>somalensis</i> Gilg.	57830 (HNT)	GBAN- AY042563
Portulacaceae	<i>Cistanthe grandiflora</i> (Lindl.) Schlecht.	Bonn 03639	GBAN- AY042568
Portulacaceae	<i>Claytonia megarhiza</i> Kuntze	Chase 10985	GBAN- AY042569
Portulacaceae	<i>Lewisia cantelovii</i> Howell	Chase 10984	GBAN- AY042607
Portulacaceae	<i>Montia parvifolia</i> Greene	422971 (ISC)	GBAN- AY042616
Portulacaceae	<i>Portulaca</i> sp.	Chase 10983	GBAN- AY042636
Portulacaceae	<i>Portulacaria afra</i> Jacq.	422966 (ISC)	GBAN- AY042637
Portulacaceae	<i>Talinaria coahuilensis</i> (S. Wats.) P. Wilson	422968 (ISC)	GBAN- AY042661
Portulacaceae	<i>Talinum caffrum</i> Eckl. & Zeyh.	Chase 10982	GBAN- AY042662
Rhabdodendraceae	<i>Rhabdodendron</i> <i>macrophyllum</i> (Spruce ex Benth.) Huber	Ribéiro 1196	GBAN- AY042642
Santalaceae	<i>Osyris quadripartita</i> Salzm. ex Decne.	Chase 1883	GBAN- AY042623
Santalaceae	<i>Santalum album</i> L.	Chase 1349	GBAN- AY042650
Sarcobataceae	<i>Sarcobatus vermiculatus</i> Torr.	Chase 10987	GBAN- AY042652

Saxifragaceae	<i>Saxifraga</i> sp.	none	GBAN-AY042653
Simmondsiaceae	<i>Simmondsia chinensis</i> C. K. Schneider	Chase 10988	GBAN-AY042657
Tamariaceae	<i>Tamarix canariensis</i> Willd.	Chase 3426	GBAN-AY042663

B) *rbcL*

Achatocarpaceae	<i>Phaulothamnus spinescens</i> A. Grey	Manhart and Rettig (1994)	GBAN-M97887
Aextoxicaceae	<i>Aextoxicon punctatum</i> Ruiz. & Pav.	Savolainen, Spichiger, and Manen (1997)	GBAN-X83986
Agdestidaceae	<i>Agdestis clematidea</i> Moc. & Sesse	Clement and Mabry (in press)	GBAN-AF132092
Aizoaceae	<i>Delosperma echinatum</i> (Lam.) Schwantes	Savolainen et al. (2000b)	GBAN-AJ235778
Aizoaceae	<i>Galenia pubescens</i> Druce	Clement and Mabry (in press)	GBAN-AF132099
Aizoaceae	<i>Trichodiadema barbatum</i> Schwantes	Chase 10938	GBAN-AY046587
Amaranthaceae	<i>Amaranthus tricolor</i> L.	Rettig, Wilson, and Manhart (1992)	GBAN-X53980
Amaranthaceae	<i>Atriplex patula</i> L.	Hudson et al. (1990)	GBAN-X15925
Amaranthaceae	<i>Celosia argentea</i> L.	Soltis et al. (2000)	GBAN-AF206747
Amaranthaceae	<i>Froelichia floridana</i> Moq.	Clement et Mabry (in press)	GBAN-AF132089
Amaranthaceae	<i>Spinacia oleacera</i> L.	Zurawski et al. (1981)	GBAN-J01443
Ancistrocladaceae	<i>Ancistrocladus korupensis</i> D. W. Thomas & R. E. Gereau	Soltis et al. (2000)	GBAN-AF206733
Asteropeiaceae	<i>Asteropeia micraster</i> H. Hallier	Morton, Karol, and Chase (1997)	GBAN-Z83150
Basellaceae	<i>Basella alba</i> L.	Rettig, Wilson, and Manhart (1992)	GBAN-M62564
Berberidopsidaceae	<i>Berberidopsis corallina</i> Hook.	Savolainen et al. (2000b)	GBAN-AJ235773
Cactaceae	<i>Pereskia aculeata</i> Mill.	Soltis et al. (2000)	GBAN-AF206805
Caricaceae	<i>Carica papaya</i> L.	Rodman et al. (1993)	GBAN-M95671
Caryophyllaceae	<i>Silene gallica</i> L.	Rettig, Wilson, and Manhart (1992)	GBAN-M83544

Caryophyllaceae	<i>Stellaria media</i> (L.) Cyrill.	Soltis et al. (2000)	GBAN- AF206823
Cornaceae	<i>Cornus officinalis</i> Sieb. & Zucc.	Xiang et al. (1993)	GBAN-L11216
Didiereaceae	<i>Alluaudia procera</i> Drake	Rettig, Wilson, and Manhart (1992)	GBAN- M62563
Dilleniaceae	<i>Dillenia indica</i> L.	Albert, Williams, and Chase (1992)	GBAN-L01903
Dilleniaceae	<i>Tetracera asiatica</i> Hoogl.	Savolainen et al. (2000b)	GBAN- AJ235796
Dioncophyllaceae	<i>Triphyophyllum</i> <i>peltatum</i> (Hutchinson & Dalziel) Airy Shaw	Lledó et al. (1998)	GBAN-Z97637
Droseraceae	<i>Dionaea muscipula</i> Ellis ex L.	Albert, Williams, and Chase (1992)	GBAN-L01904
Droseraceae	<i>Drosera spathulata</i> Labill.	Chase et al. (1993)	GBAN-L13168
Frankeniaceae	<i>Frankenia pulverulenta</i> L.	Fay et al. (1997)	GBAN-Z97638
Gisekiaceae	<i>Gisekia pharnaceoides</i> L.	Manhart and Rettig (1994)	GBAN- M97890
Gunneraceae	<i>Gunnera manicata</i> Linden	Morgan and Soltis (1993)	GBAN-L11186
Halophytaceae	<i>Halophytum ameghinoi</i> Speg.	Savolainen et al. (2000b)	GBAN- AJ402958
Molluginaceae	<i>Corbichonia decumbens</i> (Forsk.) Exell	Clement and Mabry (in press)	GBAN- AF132096
Molluginaceae	<i>Limeum</i> sp.	Hoot, Magallón, and Crane (1999)	GBAN- AF093727
Molluginaceae	<i>Mollugo verticillata</i> L.	Chase et al. (1993)	GBAN- M62566
Nepenthaceae	<i>Nepenthes alata</i> Blanco	Chase et al. (1993)	GBAN-L01935
Nyctaginaceae	<i>Bougainvillea glabra</i> Choisy	Rettig, Wilson, and Manhart (1992)	GBAN- M88340
Nyctaginaceae	<i>Mirabilis jalapa</i> L.	Chase et al. (1993)	GBAN- M62565
Opiliaceae	<i>Opilia amentacea</i> Roxb.	Savolainen et al. (2000b)	GBAN- AJ131773
Physenaceae	<i>Physena</i> sp.	Morton, Karol, and Chase (1997)	GBAN- Y13116
Phytolaccaceae	<i>Ercilla volubilis</i> A. Juss.	Savolainen et al. (2000b)	GBAN- AJ235800
Phytolaccaceae	<i>Petiveria alliacea</i> L.	Savolainen et al. (2000b)	GBAN- AJ402987

Phytolaccaceae	<i>Phytolacca americana</i> L.	Chase et al. (1993)	GBAN-M62567
Phytolaccaceae	<i>Rivina humilis</i> L.	Rettig, Wilson, and Manhart (1992)	GBAN-M62569
Plumbaginaceae	<i>Armeria bottendorfensis</i> A. Schulz	Fay et al. (1997)	GBAN-Z97640
Plumbaginaceae	<i>Ceratostigma minus</i> Stapf ex Prain	Fay et al. (1997)	GBAN-Z97641
Plumbaginaceae	<i>Limoniastrum guyonianum</i> Dur. ex Boiss.	Lledó et al. (2000)	GBAN-AJ286358
Plumbaginaceae	<i>Limonium dendroides</i> Svent.	Soltis et al. (2000)	GBAN-AF206789
Plumbaginaceae	<i>Plumbago capensis</i> Thunb.	Chase et al. (1993)	GBAN-M77701
Plumbaginaceae	<i>Psylliostachys suworowii</i> (Regel) Roshk.	Lledó et al. (1998)	GBAN-Y16907
Polygonaceae	<i>Coccoloba uvifera</i> L.	Soltis et al. (2000)	GBAN-AF206753
Polygonaceae	<i>Eriogonum flavum</i> Nutt.	Fay et al.(1997)	GBAN-Z97648
Polygonaceae	<i>Fagopyrum cymosum</i> Meissn.	Yasui and Onishi (1996)	GBAN-D86286
Polygonaceae	<i>Persicaria hydropiper</i> (L.) Spach	Yasui and Ohnishi (1998)	GBAN-AB008781
Polygonaceae	<i>Polygonum sachalinense</i> Schmidt	Savolainen et al. (2000b)	GBAN-AJ235789
Polygonaceae	<i>Rheum x cultorum</i> Thorsrud & Reisaeter	Giannasi et al. (1992)	GBAN-M77702
Polygonaceae	<i>Triplaris americana</i> L.	Lledó et al.(1998)	GBAN-Y16910
Portulacaceae	<i>Claytonia perfoliata</i> Donn.	Clement and Mabry (in press)	GBAN-AF132093
Portulacaceae	<i>Portulaca grandiflora</i> Hook.	Chase et al. (1993)	GBAN-M62568
Rhabdodendraceae	<i>Rhabdodendron macrophyllum</i> (Spruce ex Benth.) Huber	Fay et al. (1997)	GBAN-Z97649
Santalaceae	<i>Osyris lanceolata</i> Hoest. & Steud	Morgan and Soltis (1993)	GBAN-L11196
Santalaceae	<i>Santalum album</i> L.	Nickrent and Soltis (1995)	GBAN-L26077
Sarcobataceae	<i>Sarcobatus vermiculatus</i> Torr.	Clement and Mabry (in press)	GBAN-AF132088
Saxifragaceae	<i>Saxifraga integrifolia</i>	Morgan and Soltis (1993)	GBAN-L01953

	Hook.		
Simmondsiaceae	<i>Simmondsia chinensis</i> C. K. Schneider	Fay et al. (1997)	GBAN- AF093732
Stegnospermataceae	<i>Stegnosperma alimifolia</i> Benth.	Rettig, Wilson, and Manhart (1992)	GBAN- M62571
Tamaricaceae	<i>Tamarix pentandra</i> Hampe ex Bunge	Fay et al. (1997)	GBAN-Z97650

C) *atpB*

Aextoxicaceae	<i>Aextoxicon punctatum</i> Ruiz. & Pav.	Savolainen et al. (2000b)	GBAN- AJ235384
Aizoaceae	<i>Delosperma echinatum</i> (Lam.) Schwantes	Savolainen et al. (2000b)	GBAN- AJ235452
Aizoaceae	<i>Trichodiadema</i> <i>barbatum</i> Schwantes	Chase 10938	GBAN- AY046586
Amaranthaceae	<i>Celosia argentea</i> L.	Soltis et al. (2000)	GBAN- AF209559
Amaranthaceae	<i>Spinacia oleacera</i> L.	Zurawski et al. (1982)	GBAN- U23082
Ancistrocladaceae	<i>Ancistrocladus</i> <i>korupensis</i> D. W. Thomas & R. E. Gereau	Soltis et al. (2000)	GBAN- AF209526
Asteropeiaceae	<i>Asteropeia micraster</i> H. Hallier	Soltis et al. (2000)	GBAN- AF209553
Berberidopsidaceae	<i>Berberidopsis corallina</i> Hook.	Savolainen et al. (2000b)	GBAN- AJ235409
Cactaceae	<i>Pereskia aculeata</i> Mill.	Soltis et al. (2000)	GBAN- AF209648
Caricaceae	<i>Carica papaya</i> L.	Bakker et al. (1998)	GBAN- AF035901
Caryophyllaceae	<i>Stellaria media</i> (L.) Cyrill.	Soltis et al. (2000)	GBAN- AF209680
Cornaceae	<i>Cornus officinalis</i> Sieb. & Zucc.	Soltis et al. (2000)	GBAN- AJ236229
Dilleniaceae	<i>Dillenia retusa</i> Thunb.	Savolainen et al. (2000b)	GBAN- AF095732
Dilleniaceae	<i>Tetracera asiatica</i> Hoogl.	Savolainen et al. (2000b)	GBAN- AJ235622
Dioncophyllaceae	<i>Triphyophyllum</i> <i>peltatum</i> (Hutchinson & Dalziel) Airy Shaw	Soltis et al. (2000)	GBAN- AF209693
Droseraceae	<i>Drosera communis</i> A. St.-Hil.	Savolainen et al. (2000b)	GBAN- AJ235459
Frankeniaceae	<i>Frankenia pulverulenta</i>	Savolainen et al. (2000b)	GBAN-

	L.		AJ235475
Gunneraceae	<i>Gunnera hamiltonii</i> Kirk ex. W. S. Ham	Hoot, Magallón, and Crane (1999)	GBAN- AF093374
Molluginaceae	<i>Limeum</i> sp.	Hoot, Magallón, and Crane (1999)	GBAN- AF093385
Molluginaceae	<i>Mollugo verticillata</i> L.	Soltis et al. (2000)	GBAN- AF209631
Nepenthaceae	<i>Nepenthes alata</i> Blanco	Savolainen et al. (2000b)	GBAN- AJ235542
Nyctaginaceae	<i>Bougainvillea glabra</i> Choisy	Savolainen et al. (2000b)	GBAN- AJ235415
Nyctaginaceae	<i>Mirabilis jalapa</i> L.	Soltis et al. (2000)	GBAN- AF209629
Opiliaceae	<i>Opilia amentacea</i> Roxb.	Savolainen et al. (2000b)	GBAN- AJ235550
Phytolaccaceae	<i>Ercilla volubilis</i> A. Juss.	Savolainen et al. (2000b)	GBAN- AJ235464
Phytolaccaceae	<i>Phytolacca dioica</i> L.	Savolainen et al. (2000b)	GBAN- AJ235558
Plumbaginaceae	<i>Limonium dendroides</i> Svent.	Soltis et al. (2000)	GBAN- AF209620
Plumbaginaceae	<i>Plumbago zeylanica</i> L.	Savolainen et al. (2000b)	GBAN- AJ235565
Polygonaceae	<i>Coccoloba uvifera</i> L.	Soltis et al. (2000)	GBAN- AF209568
Polygonaceae	<i>Polygonum sachalinense</i> Schmidt	Savolainen et al. (2000b)	GBAN- AJ235569
Portulacaceae	<i>Portulaca grandiflora</i> Hook.	Soltis et al. (2000)	GBAN- AF209659
Rhabdodendraceae	<i>Rhabdodendron</i> <i>macrophyllum</i> (Spruce ex Benth.) Huber	Savolainen et al. (2000b)	GBAN- AJ235578
Santalaceae	<i>Osyris lanceolata</i> Hoest. & Steud	Soltis et al. (2000)	GBAN- AF209641
Santalaceae	<i>Santalum album</i> L.	Savolainen et al. (2000b)	GBAN- AJ235592
Saxifragaceae	<i>Saxifraga retusa</i> Gouan	Savolainen et al. (2000b)	GBAN- AJ235597
Simmondsiaceae	<i>Simmondsia chinensis</i> C. K. Schneider	Hoot, Magallón, and Crane (1999)	GBAN- AF093401
Tamaricaceae	<i>Tamarix pentandra</i> Hampe ex Bunge	Soltis et al. (2000)	GBAN- AF209684

E) 18S rDNA

Aextoxicaceae	<i>Aextoxicon punctatum</i>	Soltis et al. (2000)	GBAN- AF206839
Aizoaceae	<i>Delosperma echinatum</i> (Lam.) Schwantes	Soltis et al. (2000)	GBAN- AF206899
Amaranthaceae	<i>Celosia argentea</i> L.	Soltis et al. (2000)	GBAN- AF206883
Amaranthaceae	<i>Spinacia oleacera</i> L.	Nickrent and Soltis (1995)	GBAN- L24420
Ancistrocladaceae	<i>Ancistrocladus korupensis</i> D. W. Thomas & R. E. Gereau	Soltis et al. (2000)	GBAN- AF206846
Asteropeiaceae	<i>Asteropeia micraster</i> H. Hallier	Soltis et al. (2000)	GBAN- AF206857
Berberidopsidaceae	<i>Berberidopsis corallina</i> Hook.	Soltis et al. (2000)	GBAN- AF206866
Cactaceae	<i>Pereskia aculeata</i> Mill.	Soltis et al. (2000)	GBAN-AF 206986
Caricaceae	<i>Carica papaya</i> L.	Soltis et al. (1997)	GBAN- U42514
Caryophyllaceae	<i>Stellaria media</i> (L.) Cyrill.	Soltis et al. (2000)	GBAN- AF207027
Cornaceae	<i>Cornus officinalis</i> Sieb. & Zucc.	Soltis and Soltis (1997)	GBAN- U52033
Dilleniaceae	<i>Dillenia alata</i> (DC) Mart.	Soltis et al. (1997)	GBAN- U38314
Dilleniaceae	<i>Tetracera asiatica</i> Hoogl.	Soltis et al. (2000)	GBAN- AJ235982
Dioncophyllaceae	<i>Triphyophyllum peltatum</i> (Hutchinson & Dalziel) Airy Shaw	Soltis et al. (2000)	GBAN- AF207049
Droseraceae	<i>Drosera communis</i> A. St.-Hil.	Soltis et al. (1997)	GBAN- U42532
Frankeniaceae	<i>Frankenia pulverulenta</i> L.	Soltis et al. (2000)	GBAN- AF206914
Gunneraceae	<i>Gunnera manicata</i> Linden	Soltis et al. (1997)	GBAN- U43787
Molluginaceae	<i>Limeum</i> sp.	Hoot, Magallón, and Crane (1999)	GBAN- AF094554
Molluginaceae	<i>Mollugo verticillata</i> L.	Soltis et al. (1997)	GBAN- UF42828
Nepenthaceae	<i>Nepenthes alata</i> Blanco	Soltis et al. (1997)	GBAN- UF42787
Nyctaginaceae	<i>Bougainvillea glabra</i> Choisy	Soltis et al. (1997)	GBAN- AF208763

Nyctaginaceae	<i>Mirabilis jalapa</i> L.	Chase et al. (1993)	GBAN-M62565
Opiliaceae	<i>Opilia amentacea</i> Roxb.	Soltis et al. (1997)	GBAN-U42790
Phytolaccaceae	<i>Ercilla volubilis</i> A. Juss.	Soltis et al. (2000)	GBAN-AF206908
Phytolaccaceae	<i>Phytolacca americana</i> L.	Soltis et al. (2000)	GBAN-U42793
Plumbaginaceae	<i>Limonium dendroides</i> Svent.	Soltis et al. (2000)	GBAN-AF206953
Plumbaginaceae	<i>Plumbago auroculata</i> Lam.	Soltis et al. (1997)	GBAN-U42795
Polygonaceae	<i>Coccoloba uvifera</i> L.	Soltis et al. (1997)	GBAN-U42798
Polygonaceae	<i>Polygonum</i> sp.	Soltis et al. (2000)	GBAN-AF206996
Portulacaceae	<i>Portulaca grandiflora</i> Hook.	Soltis et al. (2000)	GBAN-AF207000
Rhabdodendraceae	<i>Rhabdodendron macrophyllum</i> (Spruce ex Benth.) Huber	Soltis et al. (2000)	GBAN-AF207007
Santalaceae	<i>Osyris lanceolata</i> Hoest. & Steud	Soltis et al. (1997)	GBAN-U42803
Santalaceae	<i>Santalum album</i> L.	Nickrent and Soltis (1995)	GBAN-L24416
Saxifragaceae	<i>Saxifraga integrifolia</i> Hook.	Soltis et al. (1997)	GBAN-U42810
Simmondsiaceae	<i>Simmondsia chinensis</i> C. K. Schneider	Hoot, Magallón, and Crane (1999)	GBAN-AF094562
Tamaricaceae	<i>Tamarix pentandra</i> Hampe ex Bunge	Soltis et al. (2000)	GBAN-AF207033

E) Pigments

Molluginaceae	<i>Adenogramma</i> sp.	Goldblatt 11515
Molluginaceae	<i>Corbichonia decumbens</i> (Forsk.) Exell	Hedberg and Hedberg 92044
Phytolaccaceae	<i>Lophiocarpus polystachyus</i> Turcz.	Leistner and Joynt, 2689
Sarcobataceae	<i>Sarcobatus vermiculatus</i> Torr.	Chase 10987

^a The prefix GBAN- has been added to all GenBank accessions to link the online version of American Journal of Botany with GenBank but is not a part of the actual accession number.