

KATHLEEN A. KRON, E. ANN POWELL, AND J. L. LUTEYN. 2002. Phylogenetic relationships within the blueberry tribe (Vaccinieae, Ericaceae) based on sequence data from *matK* and nuclear ribosomal ITS regions, with comments on the placement of *Satyria*. *American Journal of Botany* 89(2): 327-336.

Taxa sampled in the analysis of nrITS and *matK* sequence data for the Vaccinieae (alphabetical by genus and section. Herbarium acronyms follow Index Herbariorum, RBGE = Royal Botanic Garden Edinburgh, RBGK = Royal Botanic Garden Kew, ACAD = Acadia University, ABG = Atlanta Botanical Garden. Asterisk indicates a monotypic genus or section, † indicates outgroup taxa. Sections of *Dimorphanthera* follow Stevens (1974), those of *Vaccinium* generally follow Sleumer (1941) with modifications by Stevens (1969, 1972, 1974), Airy Shaw (1948), Vander Kloet (1988), and Vander Kloet and Dickinson (1992).

Taxon	Provenance	Voucher	GenBank Accession Number	
			nrITS	<i>matK</i>
<i>Agapetes buxifolia</i> Hook.f.	Assam	RBGK 1969-16943	^a GBAN-AF382650	GBAN-AF015629
<i>A. hosseana</i> Diels	Thailand	RBGE 672592	GBAN-AF382651	GBAN-U89752
<i>A. serpens</i> (Wight) Sleumer	Thailand	RBGK 1969-17805	GBAN-AF382653	GBAN-U89754
<i>Andromeda polifolia</i> L.†	circumboreal	RBGK 1976-6099	GBAN-AF358872	GBAN-AF124569

<i>Anthopterus racemosus</i> Hook.	Panama	NY/Luteyn 15308	GBAN-AF382655	GBAN-AF382745
<i>A. wardii</i> Ball	Panama/Colombia/Ecuador	NY/Luteyn 15191	GBAN-AF382656	GBAN-AF382746
<i>Cavendishia complectens</i> Hemsl.	Nicaragua to Peru	ABG 91-1336	GBAN-AF382657	GBAN-U89762
<i>C. martii</i> (Meisn.) A. C. Sm.	Peru/Bolivia	NY/Luteyn 15443	GBAN-AF382658	GBAN-AF382747
<i>C. micayensis</i> A. C. Sm.	Colombia/Ecuador	NY/Luteyn 15171	GBAN-AF382659	GBAN-AF382748
<i>Ceratostema lanceolatum</i> Benth.	Ecuador	NY/Luteyn 15107	GBAN-AF382660	GBAN-AF382749
<i>C. megabracteatum</i> Luteyn	Ecuador	NY/Luteyn 15037	GBAN-AF382661	GBAN-AF382750
<i>Costera endertii</i> J. J. Smith	Borneo	RBGE 801343	GBAN-AF382662	GBAN-U89760
<i>Demosthenesia mandonii</i> (Britton) A. C. Sm.	Peru/Bolivia	NY/Luteyn 15433	GBAN-AF382664	GBAN-AF382751
<i>D. pearcii</i> (Britton) A. C. Sm.	Bolivia	NY/Luteyn 15435	GBAN-AF382663	GBAN-AF382752
<i>D. spectabilis</i> (Rusby) A. C. Sm.	Peru/Bolivia	NY/Luteyn 15474	GBAN-AF382665	GBAN-AF382753

Dimorphanthera section *Dimorphanthera*

<i>D. decockii</i> J. J. Smith	New Guinea	RBGK 1975-1556	GBAN-AF382667	GBAN-U89756
<i>D. kempteriana</i> Schltr.	New Guinea	RBGE 1974-1311	GBAN-AF382668	GBAN-AF382755

Dimorphanthera section *Pachyantha* (Sleumer) Stevens

<i>D. keysseri</i> (Diels) Stevens	New Guinea	RBGE 1968-1518	GBAN-AF382669	GBAN-AF382756
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Dimorphanthera section *Trochilanthe* Schltr.

<i>D. amoena</i> Sleumer	New Guinea	RBGE 1968-1427	GBAN-AF382666	GBAN-AF382754
<i>D. megacalyx</i> Sleumer	New Guinea	RBGE 1976-1273	GBAN-AF382670	GBAN-AF382757
<i>D. womersleyi</i> Sleumer	New Guinea	RBGE 1972-0986	GBAN-AF382671	GBAN-AF382758

<i>Diogenesia alstoniana</i> Sleumer	Colombia	NY/Luteyn 15196	GBAN-AF382672	GBAN-AF382759
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<i>D. boliviana</i> (Britton) Sleumer	Bolivia	NY/Luteyn 15462	GBAN-AF382673	GBAN-AF382760
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<i>Disterigma pallidum</i> A. C. Sm.	Bolivia	NY/Luteyn 15440	GBAN-AF382674	GBAN-AF382761
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<i>D. pernettyoides</i> (Wedd.) Nied.	Peru/Bolivia	NY/Luteyn 15441	GBAN-AF382675	GBAN-AF382762
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<i>D. trimerum</i> Wilbur & Luteyn	Panama	NY/Luteyn 14809	GBAN-AF382676	GBAN-AF001924
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Gaylussacia dumosa

(Andrz.) Torrey and A. Gray USA

WFU/Kron & Powell DNA210

GBAN-AF382677

GBAN-AF382763

Gonocalyx costaricensis LuteynCosta Rica

NY/Luteyn 15228

GBAN-AF382678

GBAN-AF382764

Leucothoë fontanesiana

(Steudel) Sleumer† USA

WFU/Kron 1876

GBAN-AF358903

GBAN-AF124570

Macleania bullata Yeo

Colombia/Ecuador

NY/Luteyn 15724

GBAN-AF382679

GBAN-U89758

M. coccoloboides A. C. Sm.

Ecuador

NY/Luteyn 15852A

GBAN-AF382680

GBAN-AF382765

M. insignis M. Martens & Galeotti Costa Rica

RBGK 1969-19236

GBAN-AF382681

GBAN-AF382766

M. megabracteolata Wilbur & Luteyn[= *Gonocalyx megabracteolatus*

(Wilbur & Luteyn) Luteyn]

Panama

NY/Luteyn 14817

GBAN-AF382682

GBAN-AF382767

Notopora schomburgkii Hook.f.

Venezuela

NY/Luteyn 15275

GBAN-AF382683

GBAN-AF382768

Oreanthes glanduliferus A. C. Sm. Ecuador

NY/Luteyn 15396

GBAN-AF382684 GBAN-AF382769

Orthaea apophysata

(Griseb.) A. C. Sm.	Trinidad	ACAD/Vander Kloet 37694	GBAN-AF382685	GBAN-AF382770
<i>O. fimbriata</i> Luteyn	Ecuador	NY/Luteyn 15094	GBAN-AF382686	GBAN-AF382771
<i>O. venamensis</i> Maguire, Steyerm. & Luteyn	Venezuela	NY/Luteyn 15277	GBAN-AF382687	GBAN-AF382772
<i>Paphia meiniana</i> (F. v. M.) Schltr.	Queensland	JCU-C/Gadek 18:3	GBAN-AF382652	GBAN-U89748
<i>P. stenantha</i> Schltr.	New Guinea	RBGE 1968-2315	GBAN-AF382654	GBAN-AF382744
<i>Plutarchia ecuadorensis</i> Luteyn	Ecuador	NY/Luteyn 15356	GBAN-AF382688	GBAN-AF382773
<i>Polyclita turbinata</i> A. C. Sm.*	Bolivia	NY/Luteyn 15450	GBAN-AF382689	GBAN-AF382774
<i>Psammisia dolichopoda</i> A. C. Sm.	Panama/Colombia/Ecuador	NY/Luteyn 15006	GBAN-AF382690	GBAN-AF382775
<i>P. ecuadorensis</i> Hoerold	Ecuador	NY/Luteyn 15033	GBAN-AF382691	GBAN-AF382776
<i>Satyria allenii</i> A. C. Sm.	Panama	NY/Luteyn 15292	GBAN-AF382692	GBAN-AF382777
<i>S. boliviana</i> Luteyn	Bolivia	NY/Luteyn 15481	GBAN-AF382693	GBAN-AF382778

<i>S. grandifolia</i> Hoerold	Colombia/Ecuador/Peru	NY/Luteyn 15204	GBAN-AF382694	GBAN-AF382779
<i>S. leucostoma</i> Sleumer	Ecuador/Peru	NY/Luteyn 15051	GBAN-AF382695	GBAN-AF382780
<i>S. meiantha</i> J. D. Smith	Guatemala to Costa Rica	NY/Luteyn 15236	GBAN-AF382696	GBAN-AF382781
<i>S. panurensis</i> (Meisn.)Nied.	Mexico to Peru, Brazil	NY/Luteyn 15247	GBAN-AF382697	GBAN-AF382782
<i>S. warszewiczii</i> Klotzsch	Mexico to Panama	RBGE 781009	GBAN-AF382698	GBAN-U61314
 <i>Semiramisia speciosa</i>				
(Benth.) Klotzsch	Colombia to Peru	NY/Luteyn 15082	GBAN-AF382699	GBAN-AF382783
 <i>Siphonandra elliptica</i>				
(G. Don) Klotzsch	Peru/Bolivia	NY/Luteyn 15477	GBAN-AF382700	GBAN-AF382784
 <i>Sphyrospermum boekei</i> Luteyn				
	Ecuador	NY/Luteyn 15003	GBAN-AF382701	GBAN-AF382785
<i>S. buxifolium</i> Poeppig & Endl.	Ecuador	ACAD/Vander Kloet	GBAN-AF382702	GBAN-U89751
<i>S. campanulatum</i> Luteyn	Colombia	NY/Luteyn 15013	GBAN-AF382703	GBAN-AF382786
<i>S. microphyllum</i> Sleumer	Ecuador	NY/Luteyn 15156	GBAN-AF382704	GBAN-AF382787

<i>Symphysia racemosa</i> (Vahl) Stearn*	Antilles (except Trinidad)	ACAD/Vander Kloet 227274	GBAN-AF382705	GBAN-U89750
 <i>Themistoclesia costaricensis</i>				
Luteyn & Wilbur	Costa Rica/ Panama/Colombia	NY/Luteyn 14996	GBAN-AF382706	GBAN-AF382788
<i>T. epiphytica</i> A. C. Sm.	Colombia/Ecuador	NY/Luteyn 15213	GBAN-AF382707	GBAN-AF382789
 <i>Thibaudia densiflora</i>				
(Herzog) A. C. Sm.	Bolivia	NY/Luteyn 15459	GBAN-AF382708	GBAN-AF382790
<i>T. floribunda</i> Kunth	Venezuela/Colombia/ Ecuador/Peru	NY/Luteyn 15090	GBAN-AF382709	GBAN-AF382791
<i>T. jahnii</i> S. F. Blake	Venezuela	NY/Luteyn 15258	GBAN-AF382710	GBAN-AF382792
<i>T. macrocalyx</i> Remy	Bolivia	NY/Luteyn 15444	GBAN-AF382711	GBAN-AF382793
<i>T. pachyantha</i> A. C. Sm.	Colombia/Ecuador	NY/Luteyn 15189	GBAN-AF382712	GBAN-AF382794
<i>T. parvifolia</i> (Benth.) Hoerold	Colombia/Ecuador	NY/Luteyn 15212	GBAN-AF382713	GBAN-AF382795

Utleya costaricensis

Wilbur & Luteyn*

Costa Rica

NY/Luteyn 15330

GBAN-AF382714

GBAN-AF382796

Vaccinium section *Bracteata* Nakai*V. cercidifolium* J. J. Smith

Borneo

RBGE 1982-0845

GBAN-AF382716

GBAN-U89753

V. horizontale Sleumer

New Guinea

ACAD/Vander Kloet 315875

GBAN-AF382728

GBAN-AF382808

V. summifaucis Sleumer

New Guinea

RBGE 1963-0610

GBAN-AF382740

GBAN-AF382817

Vaccinium section *Conchophyllum* Sleumer*V. nummularia* Hook.f. et Thoms.

Nepal

ACAD/Vander Kloet1261092

GBAN-AF382733

GBAN-AF382811

Vaccinium section *Cyanococcus* A. Gray*V. tenellum* Aiton

USA

WFU/Kron & Powel DNA209

GBAN-AF382741

GBAN-AF382818

Vaccinium section *Eococcus* Sleumer*V. fragile* Franch.

Yunnan, China

ACAD/Vander Kloet 128796

GBAN-AF382725

GBAN-AF382805

V. meridionale Sw.

Jamaica

ACAD/Vander Kloet s.n.

GBAN-AF382731

GBAN-U89759

Vaccinium section *Galeopetalum* J. J. Smith

<i>V. caudatifolium</i> Hayata	Formosa (Taiwan)	RBGE 1993-4020	GBAN-AF382715	GBAN-AF382797
<i>V. gaultheriifolium</i> (Griff.) Hook.f.	China/Burma	RBGE 1992-0332	GBAN-AF382726	GBAN-AF382806

Vaccinium section *Hemimyrtillus* Sleumer

<i>V. cylindraceum</i> Smith	Azores	ACAD/Vander Kloet 6251097	GBAN-AF382720	GBAN-AF382800
<i>V. hirtum</i> Thunb.	Japan & S. Korea	RBGE 1921-9886	GBAN-AF382727	GBAN-AF382807
<i>V. padifolium</i> Smith	Madeira	ACAD/Vander Kloet 5141090	GBAN-AF382734	GBAN-AF382812
<i>V. smallii</i> A.Gray	Japan, Korea, China, Russia	ACAD/Vander Kloet 725886	GBAN-AF382739	GBAN-AF382816

Vaccinium section *Herpothamnus* (Small) Sleumer*

<i>V. crassifolium</i> Andrews	USA	WFU/Kron & Powell DNA208	GBAN-AF382718	GBAN-AF382799
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Vaccinium section *Macropelma* (Klotzsch) Hook.f.

<i>V. dentatum</i> Smith	Hawaii	RBGE 1011085	GBAN-AF382721	GBAN-AF382801
<i>V. reticulatum</i> Smith	Hawaii	ACAD/Vander Kloet 324992	GBAN-AF382737	GBAN-AF382814

Vaccinium section *Myrtillus* Dumortier

<i>V. myrtillus</i> L.	Europe/Asia				
		/North America	S/Anderberg s.n.	GBAN-AF382732	GBAN-AF382810
<i>V. parvifolium</i> Smith	North America		ACAD/Vander Kloet 631879	GBAN-AF382735	GBAN-AF382813

Vaccinium section *Neurodesia* (Klotzsch) Hook.f.

<i>V. crenatum</i> (Dunal) Sleumer	Venezuela/Ecuador/Peru		NY/Luteyn 14171	GBAN-AF382719	GBAN-U89761
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Vaccinium section *Oarianthe* Schltr.

<i>V. finisterrae</i> Schltr.	New Guinea		RBGE 1976-1345	GBAN-AF382723	GBAN-AF382803
<i>V. leptospermoides</i> J. J. Smith	New Guinea		RBGE 1986-1637	GBAN-AF382729	GBAN-AF382809

Vaccinium section *Oreades* Sleumer*

<i>V. poasanum</i> J. D. Smith	Guatemala/Honduras/ El Salvador/Nicaragua/ Costa Rica/Panama		ACAD/Vander Kloet	GBAN-AF382736	GBAN-U89763
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^a The prefix GBAN- has been added to accession numbers to link the online version of American Journal of Botany with GenBank but is not part of the actual accession number.