

VERONIKA MAYER, MICHAEL MÖLLER, MATHIEU PERRET, AND ANTON WEBER. 2003. Phylogenetic position and generic differentiation of Epithemateae (Gesneriaceae) inferred from cpDNA sequence data. *American Journal of Botany* 90(2): 321-329.

List of of 56 taxa of Gesneriaceae and five outgroup taxa included in the phylogenetic analysis. Abbreviations: CJBG – Botanical Garden of Geneva (Conservatoire et Jardin botaniques de Genève), HBV - Botanical Garden Vienna (Hortus Botanicus Vindobonensis), RBGE - Royal Botanic Garden Edinburgh, P.M. - Peninsular Malaysia.

Species	GenBank accession no.		Origin
	<i>atpB-rbcL</i>	<i>trnL-F</i>	
OUTGROUP TAXA			
Solanaceae			
<i>Nicandra physaloides</i> Gaertn.	AJ490882	AJ492268	cult. HBV
<i>Nicotiana tabacum</i> L.	GBAN-Z00044	Z00044	
Scrophulariaceae			
<i>Antirrhinum majus</i> L.	AJ490883	AJ492270	cult. HBV
<i>Tetranema mexicanum</i> Benth.	AJ490884	AJ492271	cult. HB München, Dec. 1997
<i>Verbascum speciosum</i> Opiz	AJ490885	AJ492272	cult. HBV
INGROUP TAXA			
Gesneriaceae			
<u>subfam. Cyrtandroideae</u>			
tribe Cyrtandreae			
<i>Cyrtandra cupulata</i> Ridl.	AJ490886	AJ492273	P.M., Perak, Maxwell's Hill; Weber 840806-2/4 (WU).
tribe Epithemateae			
<i>Epithema membranaceum</i> (King) Kiew	AJ490887	AJ492274	P.M., Pahang, Jerantut distr., Gua Telingga; Weber 860908-2/1 (WU)

<i>Epithema saxatile</i> Blume	AJ490888	AJ492275	P.M., Perak, Kinta distr.; Sg. Siput Selatan, Weber & Anthonysamy 870521-3/2 (WU); cult. HBV
<i>Epithema taiwanense</i> S.S.Yin	AJ490889	AJ492276	Taiwan, Kaohsiung Hsien: Tengshih, Chuyun Shan Nature Reserve, 8. VII. 1999, C.-N. Wang & al. (TNU)
<i>Epithema tenue</i> C.B.Clarke	AJ490890	AJ492277	cult. RBGE ex DTH 5815
<i>Loxonia hirsuta</i> Jack	AJ490891	AJ492278	P.M., Pahang; Pulau Tioman, path from Kg. Tekek to Juara Bay; W of Juara bay; Weber 870602-1/5 (WU)
<i>Monophyllaea elongata</i> B.L.Burtt	AJ490892	AJ492279	P.M., near Sungai Siput Selatan; Weber & Antonysamy 870518-1/1 (WU)
<i>Monophyllaea glauca</i> C.B.Clarke	AJ490893	AJ492280	Borneo, Sarawak, Bkt. Mentawa, Vogel & Weber 790106-1/1 (WU)
<i>Monophyllaea hirticalyx</i> Franch.	AJ490894	AJ492281	P.M., Selangor, Gua Batu, temple cave; Chin & Weber, Chin 2107 (KLU) = Vogel & Weber 790801 (WU)
<i>Monophyllaea horsfieldii</i> R. Br.	U91315	AJ492270	P.M., Selangor, Batu Caves; cult. HBV (WU), seeds rec. from RBGE
<i>Rhynchoglossum azureum</i> (Schlechtld.) B.L.Burtt	AJ490895	AJ492282	Costa Rica, Prov. Alajuela; Valle Virgen, Huber & Weissenhofer 722 (WU)
<i>Rhynchochlossum notonianum</i> (Wall.) B.L.Burtt	AJ490896	AJ492283	cult. HB München, rec. Dec. 1997
<i>Rhynchoglossum obliquum</i> Blume	AJ490897	AJ492284	P.M., Pahang, Lipis district; Gua Rusa (limestone area c. 40km S of Gua Musang), Weber 870510-1/3 (WU)
<i>Rhynchoglossum obliquum</i> Blume (Philippines)	AJ490898	AJ492285	Philippines, Palawan, betw. San Rafael and Cleopatra Needle, Mendum & al. 25349 (E)
<i>Rhynchoglossum obliquum</i> var. <i>hologlossum</i> (Hayata) W.T.Wang (Taiwan)	AJ490899	AJ492286	Taiwan, Kaohsiung Hsien: Tengshih, Chuyun Shan Nature Reserve, 8. VII. 1999, C.-N. WANG & al. (TNU)

<i>Stauranthera grandiflora</i> Benth.	AJ490900	AJ492287	P.M., Pahang; Pulau Tioman, above Kg. Tekek; Weber 870602-1/1 (WU)
<i>Whytockia sasakii</i> (Hayata) B.L.Burtt	AJ490901	AJ492288	Taiwan, Hualian Hsien, Hsiulin Hsiang, 19. VIII. 1999, C.-N. WANG & al. (TNU)
<i>Whytockia tsiangiana</i> (Hand.-Mazz.) A. Weber	AJ490902	AJ492289	China, prov. Guizhou, Jiangkou Country, valley of the Taiping River; 1986 Sino-Amer. Expedition Nr. 200 (WU).
tribe Didymocarpeae			
<i>Chirita longgangensis</i> W.T. Wang	AJ490903	AJ492290	Viet Nam; RBGE 1994 1915 (C4).
<i>Chirita spadiciiformis</i> W.T. Wang	AJ490904	AJ492291	cult. RBGE 1995 1205.
<i>Chiritopsis repanda</i> W.T. Wang var. <i>guilinensis</i>	AJ490905	AJ492292	China, Guangxi, Zhuang Aut. Reg.; RBGE 1995 1206.
<i>Didymocarpus citrinus</i> Ridl.	AJ490906	AJ492293	P.M., Perlis, Kedat Peak; cult. RBGE 1983 0510.
<i>Didymocarpus cordatus</i> [Wall. ex] DC.	AJ490907	AJ492294	P.M., Perak, Maxwell's Hill, 860816-2/1 (WU).
<i>Emarhendia bettiana</i> (M.R. Hend.) Kiew, A. Weber & B.L.Burtt	AJ490908	AJ492295	P.M., Pahang, Kuantan distr.; Bkt. Charas; Weber & Anthonysamy 860825-1/1 (WU); cult. HBV.
<i>Haberlea rhodopensis</i> Friv.	AJ490909	AJ492296	cult. RBGE 1975 4106.
<i>Henckelia albomarginata</i> (Hemsl.) A. Weber	AJ490910	AJ492297	P.M., Perak, Maxwell's Hill; base, waterfall area; Weber 840805-1/12 (WU).
<i>Paraboea capitata</i> Ridl. var. <i>capitata</i>	AJ490911	AJ492298	P.M., Perak, Kinta distr., Tambun hot springs; Weber 870522-5/2 (WU); cult. HBV.
<i>Petrocosmea nervosa</i> Craib	AJ490912	AJ492299	China, N Yunnan; cult. RBGE 1993 3232.
<i>Primulina tabacum</i> Hance	AJ490913	AJ492300	China, Guangdong, Lian River; cult. RBGE 1995 1540.

<i>Ramonda myconi</i> (L.) Reichenb.	AJ490914	AJ492301	cult. RBGE 1971 1477.
<i>Rhabdothamnopsis sinensis</i> Hemsl.	AJ490915	AJ492302	cult. RBGE ex Kew 1988 4866
<i>Saintpaulia velutina</i> B.L.Burtt	AJ490916	AJ492303	cult. RBGE 1987 2179.
<i>Streptocarpus holstii</i> Engl.	AJ490917	AJ4923045	cult. RBGE 1959 2272.
<i>Streptocarpus rexii</i> Lindl.	AJ490918	AJ492305	South Africa, NE Cape Prov., Grahamstown, 'Faraway Estate'; cult. RBGE 1987 0333.
<i>Trisepalum speciosum</i> (Ridl.) B.L.Burtt	AJ490919	AJ492306	Kedah; Pulau Langkawi, Bukit Puteh, (a few km N of Kuah); Weber 860805-1/1 (WU).

tribe Trichosporeae

<i>Aeschynanthus longiflorus</i> (Blume)DC	AJ490920	AJ492307	P.M., Perak, Larut distr., Maxwell's Hill to G. Hijau; Weber 950905 (photo record, WU)
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subfam. Coronantheroideae

<i>Lenbrassia australiana</i> (C.T.White) G.W.Gillett var. <i>australiana</i>	AJ490921	AJ492308	Australia, Queensland, 26.4 km from Rex Highway along Mt Lewis road: cult. RBGE 1997 0901.
<i>Sarmienta scandens</i> (J.D.Brandis) Pers.	AJ490922	AJ492309	Chile, Región X Los Lagos, Prov. de Osorno, Puyehue National Park; cult. RBGE 1988 2757.

subfam. Gesnerioideae

tribe Beslerieae

<i>Besleria melancholica</i> (Vell.) Marton	AJ490923	AJ492310	Rio de Janeiro, Macaé de Cima, Vale do Rio das Flores; 21.05.1987, Chautems, Leitman & Martinelli 240 (G).
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tribe Episcieae

<i>Alsobia dianthiflora</i> (H.E.Moore & R.G.Wilson) Wiehler	AJ490924	AJ492311	cult. RBGE 1858 3126.
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<i>Chrysothemis pulchella</i> (Donn. ex Sims) Decne.	AJ490925	AJ492312	cult. RBGE 1980 2568.
<i>Cobananthus calochlamys</i> (Donn. Smith) Wiehler	AJ490926	AJ492313	cult. RBGE 1982 26 76.
<i>Columnea sanguinea</i> (Pers.) Hanst.	AJ490927	AJ492314	cult. HBV, s.n., ex HB St. Gallen 1987.
<i>Episcia cupreata</i> (Hook.) Hanst.	AJ490928	AJ492315	cult. RBGE 1957 0361.
<i>Nematanthus villosus</i> (Hanst.) Wiehler	AJ439980	AJ439825	cult. CBJG, Sept. 1998, Perret 99- 041 (G).
tribe Gesnerieae			
<i>Gesneria humilis</i> L.	AJ439976	AJ439821	cult. CBJG, Oct. 1997, Chautems & Perret 97-020 (G).
<i>Rhytidophyllum tomentosum</i> [Hort. Berol. ex] Hanst.	AJ490930	AJ492317	cult. HBV, origin unknown
tribe Gloxinieae			
<i>Sinningia cardinalis</i> (Lehm.) H.E. Moore	AJ490931	AJ492318	cult. HBV, origin unknown.
<i>Sinningia schiffneri</i> Fritsch	AJ439900	AJ439745	cult. CBJG, Oct. 1997, Chautems & Perret 97-010 (G).
<i>Paliavana prasinata</i> (Ker- Gawl.) Benth.	AJ490932	AJ492319	cult. RBGE 732.
<i>Vanhouttea calcarata</i> Lem.	AJ490933	AJ492320	cult. RBGE 128.
<i>Achimenes admirabilis</i> Wiehler	AJ439982	AJ439827	cult CBJG, Nov. 1997, Chautems & Perret 01-033 (G).
<i>Smithiantha lauii</i> Wiehler	AJ439978	AJ439823	cult. GRF (Gesneriad Research foundation, Sarasota, Fl., USA), cult. ID = G-3588.
<i>Gloxinia purpurascens</i> (Rusby) Wiehler	AJ439977	AJ439822	cult. CBJG, Oct. 1997, Chautems & Perret 97-019 (G).
<i>Koellikeria erinoides</i> (DC.) Mansf.	AJ439983	AJ439828	cult. CBJG, Nov. 1997, Chautems & Perret 01-034 (G).

Tribe Napeantheae

Napeanthus reitzii
(L.B.Smith) B.L.Burtt ex
Leeuwenb.

AJ493036

AJ492320

Brazil, PR, Morretes, Route de la
Graciosa, Volta Grande, 25°21'37"S -
48°53'00"W, 410 m, 24.XI.98, A.
Cervi & al. AC479 (UPCB).
