

CAROLYN J. FERGUSON AND ROBERT K. JANSEN. 2002. A chloroplast DNA phylogeny of eastern *Phlox* (Polemoniaceae): implications of congruence and incongruence with the ITS phylogeny. *American Journal of Botany* 89(8): 1324-1335.

APPENDIX 1. Samples examined, arranged following the classification of Wherry (1955; see Ferguson, 1998 for more detail; sectional nomenclature follows Grant, 2001). Sample designations are set in boldface type, and those samples retained in the reduced cpDNA and ITS data sets are preceded by a plus sign (+). For a given taxon, the number of immediately subordinate, unsampled taxa, if any, is indicated in brackets. An asterisk (*) signifies that a taxon occurs in western North America, and western taxa are identified only to species here. Known chromosome numbers are listed for ingroup taxa (haploid number reported; see Flory, 1931, 1934, 1948; Meyer, 1944; Erbe and Turner, 1962; Eater, 1967; Smith and Levin, 1967; Löve, 1971; Levy and Levin, 1974; Ward, 1983). Voucher specimens are housed at TEX and KSC, unless otherwise noted with the location in parentheses. GenBank accession numbers refer to ITS sequences (Ferguson, Krämer, and Jansen, 1999). Sample codes reference samples for the restriction site data (Appendix 2) and the restriction site data matrix (Appendix 3).

	Taxon	Locality	Voucher	GenBank accession no. ^a	Sample code
	<u>Phlox</u> :				
	Sect. <u>Phlox</u>				
	Subsect. <u>Subulatae</u> (Peter) Wherry				
	<u>Phlox bifida</u> Beck [1]				
	P. bifida subsp. bifida / $\underline{n} = 7$	Black Hawk Co., IA	C. Ferguson 209	GBAN-AF167175	HHH
+	P. bifida subsp. stellaria (A. Gray) Wherry / $\underline{n} = 7$	Rutherford Co., TN	G. & C. Mayfield s.n., 9 April 1995	GBAN-AF167176	GGG
	<u>P. subulata</u> L. [1]				
+	P. subulata subsp. australis (Wherry) Wherry	Grainger Co., TN	G. Wofford 96-4 (TENN)	GBAN-AF167177	EEE
+	P. subulata subsp. subulata / $\underline{n} = 7, 14$	Lenawee Co., MI	C. Ferguson 199	GBAN-AF167178	DDD
	Subsect. <u>Stoloniferae</u> Wherry [1*]				
+	P. stolonifera Sims / $\underline{n} = 7$	Yancey Co., NC	G. & C. Mayfield, s.n., 26 April 1995	GBAN-AF167179	BBB
	Subsect. <u>Cluteanae</u> Wherry [1*]				
+	P. buckleyi Wherry / $\underline{n} = 14$	Greenbrier Co., WV	C. Ferguson 191	GBAN-AF167180	CCC

	Subsect. <u>Longifoliae</u> (Rydberg) Wherry [9*]				
+	<u>P. longifolia</u> Nutt.* / <u>n</u> = 14	Sublette Co., WY	C. Ferguson 215	GBAN-AF167181	MMM
	Subsect. <u>Phlox</u> [1*]				
	<u>P. carolina</u> L.				
	<u>P. carolina</u> subsp. <u>alta</u> Wherry				
+	<u>P. carolina</u> subsp. <u>alta</u> NC1	Macon Co., NC	C. Ferguson 330	GBAN-AF167182	TT
	<u>P. carolina</u> subsp. <u>alta</u> NC2	Jackson Co., NC	C. Ferguson 329	GBAN-AF167183	YY
+	<u>P. carolina</u> subsp. <u>angusta</u> Wherry	Drew Co., AR	C. Ferguson 159	GBAN-AF167184	RR
	<u>P. carolina</u> subsp. <u>carolina</u> / <u>n</u> = 7				
	<u>P. carolina</u> subsp. <u>carolina</u> GA1	Dade Co., GA	C. Ferguson 183	GBAN-AF167185	QQ
	<u>P. carolina</u> subsp. <u>carolina</u> GA2	Madison Co., GA	C. Ferguson 187	GBAN-AF167186	UU
+	<u>P. carolina</u> subsp. <u>carolina</u> TN	Maury Co., TN	C. Ferguson 170	GBAN-AF167187	DD
+	<u>P. carolina</u> subsp. <u>turritella</u> Wherry	Escambia Co., FL	C. Ferguson 331	GBAN-AF167188	SS
	<u>P. glaberrima</u> L. [1]				
+	<u>P. glaberrima</u> subsp. <u>interior</u> (Wherry)	Vanderburgh Co., IN	C. Ferguson 194	GBAN-AF167189	XX
	Wherry / <u>n</u> = 7				
	<u>P. glaberrima</u> subsp. <u>triflora</u> (Michx.)				
	Wherry / <u>n</u> = 7				
	<u>P. glaberrima</u> subsp. <u>triflora</u> KY	Rowan Co., KY	C. Ferguson 301	GBAN-AF167190	WW
+	<u>P. glaberrima</u> subsp. <u>triflora</u> NC	Avery Co., NC	R. Mayfield s.n., 18 July 1995	GBAN-AF167191	VV
+	<u>P. latifolia</u> Michx.	Grainger Co., TN	C. Ferguson 173	GBAN-AF167192	AA
	<u>P. maculata</u> L. [1]				
+	<u>P. maculata</u> subsp. <u>maculata</u> / <u>n</u> = 7	Worth Co., IA	C. Ferguson 206	GBAN-AF167193	EE
+	<u>P. pulchra</u> (Wherry) Wherry / <u>n</u> = 7	Bibb Co., AL	C. Ferguson 169	GBAN-AF167194	BB
	Subsect. <u>Paniculatae</u> (Peter) Wherry				
+	<u>P. amplifolia</u> Britton / <u>n</u> = 7	Knox Co., TN	E. Schilling s.n., summer 1995	GBAN-AF167195	AAA
+	<u>P. paniculata</u> L. / <u>n</u> = 7	Madison Co., AR	C. Ferguson 233	GBAN-AF167196	ZZ
	Sect. <u>Divaricatae</u> Peter [1*]				
	Subsect. <u>Speciosae</u> A. Gray [2*]				
	<u>P. nivalis</u> Lodd. ex Sweet [1]				
+	<u>P. nivalis</u> subsp. <u>nivalis</u>	Liberty Co., FL	C. Ferguson 279	GBAN-AF167197	FFF

	<u>P. nivalis</u> subsp. <u>texensis</u> Lundell	Hardin Co., TX	C. Ferguson 95	GBAN-AF167198	X
+	<u>P. oklahomensis</u> Wherry / $\underline{n} = 7$	Woods Co., OK	C. Ferguson 269	GBAN-AF167199	III
	Subsect. <u>Nanae</u> Wherry [1*] <u>P. nana</u> Nutt.* / $\underline{n} = 7, 14$				
+	<u>P. nana</u> CHI	Mpio. Temosachic, Chihuahua, Mexico	C. Ferguson 245	GBAN-AF167200	KKK
+	<u>P. nana</u> TX1	Brewster Co., TX	C. Ferguson 332	GBAN-AF167201	LLL
	<u>P. nana</u> TX2	Brewster Co., TX	C. Ferguson 335	GBAN-AF167202	JJJ
+	<u>P. roemeriana</u> Scheele / $\underline{n} = 7$	Burnet Co., TX	C. Ferguson 87	GBAN-AF167203	PP
	Subsect. <u>Divaricatae</u> <u>P. amoena</u> Sims / $\underline{n} = 7$				
+	<u>P. amoena</u> AL	Winston Co., AL	C. Ferguson 306	GBAN-AF167204	YYY
+	<u>P. amoena</u> GA1	Decatur Co., GA	C. Ferguson 277	GBAN-AF167205	ZZZ
+	<u>P. amoena</u> GA2	Charlton Co., GA	C. Ferguson 286	GBAN-AF167206	AAAA
	<u>P. amoena</u> TN1	Lewis Co., TN	G. & C. Mayfield s.n., 30 April 1995	GBAN-AF167207	U
+	<u>P. amoena</u> TN2	Sequatchie Co., TN	G. Mayfield s.n., 3 May 1995	GBAN-AF167208	V
	<u>P. divaricata</u> L. / $\underline{n} = 7$ <u>P. divaricata</u> IA	Story Co., IA	J. Wendel s.n., 13 May 1996	GBAN-AF167209	WWW
+	<u>P. divaricata</u> NY	Genesee Co., NY	D. Goldman 912 (BH)	GBAN-AF167210	VVV
+	<u>P. divaricata</u> TN1	Maury Co., TN	G. & C. Mayfield s.n., 10 April 1995	GBAN-AF167211	A
+	<u>P. divaricata</u> TN2	Lewis Co., TN	G. Mayfield s.n., 3 April 1995	GBAN-AF167212	B
+	<u>P. divaricata</u> FL <u>P. floridana</u> Benth. / $\underline{n} = 14$	Jackson Co., FL	C. Ferguson 275	GBAN-AF167213	XXX
+	<u>P. floridana</u> FL1	Jackson Co., FL	C. Ferguson 162	GBAN-AF167214	Y
	<u>P. floridana</u> FL2	Franklin Co., FL	C. Ferguson 164	GBAN-AF167215	Z

+	<u>P. pattersonii</u> Prather	Mpio. Bustamante, Nuevo Leon, Mexico	C. Ferguson 256	GBAN-AF167219	W
	P. pilosa L.				
+	<u>P. pilosa</u> subsp. <u>deamii</u> D. Levin / $\underline{n} = 7$ <u>P. pilosa</u> subsp. <u>fulgida</u> (Wherry) Wherry / $\underline{n} = 7$	Christian Co., KY	C. Ferguson 193	GBAN-AF167220	S
+	<u>P. pilosa</u> subsp. <u>fulgida</u> MN	Waseca Co., MN	C. Ferguson 204	GBAN-AF167221	FF
+	<u>P. pilosa</u> subsp. <u>fulgida</u> WI <u>P. pilosa</u> subsp. <u>latisepala</u> Wherry / $\underline{n} = 14$	Winnebago Co., WI	C. Ferguson 201	GBAN-AF167222	O
+	<u>P. pilosa</u> subsp. <u>latisepala</u> TX1	Kerr Co., TX	C. Ferguson 131	GBAN-AF167223	E
+	<u>P. pilosa</u> subsp. <u>latisepala</u> TX2	San Saba Co., TX	C. Ferguson 134	GBAN-AF167224	F
+	<u>P. pilosa</u> var. <u>longipilosa</u> (Waterfall) R.J. Taylor & C.E.S. Taylor <u>P. pilosa</u> subsp. <u>ozarkana</u> (Wherry) Wherry / $\underline{n} = 7$	Greer Co., OK	C. Ferguson 132	GBAN-AF167225	T
+	<u>P. pilosa</u> subsp. <u>ozarkana</u> AR1	Crawford Co., AR	C. Ferguson 153	GBAN-AF167226	CC
	<u>P. pilosa</u> subsp. <u>ozarkana</u> AR2 <u>P. pilosa</u> subsp. <u>pilosa</u> / $\underline{n} = 7, 14$	Franklin Co., AR	C. Ferguson 319	GBAN-AF167227	II
+	<u>P. pilosa</u> subsp. <u>pilosa</u> AL	Sumter Co., AL	C. Ferguson 292	GBAN-AF167228	SSS
	<u>P. pilosa</u> subsp. <u>pilosa</u> GA1	Walker Co., GA	C. Ferguson 296	GBAN-AF167229	QQQ
+	<u>P. pilosa</u> subsp. <u>pilosa</u> GA2	Lowndes Co., GA	C. Ferguson 283	GBAN-AF167230	UUU
+	<u>P. pilosa</u> subsp. <u>pilosa</u> IN	Jasper Co., IN	C. Ferguson 197	GBAN-AF167231	M
	<u>P. pilosa</u> subsp. <u>pilosa</u> KY	Rowan Co., KY	C. Ferguson 192	GBAN-AF167232	L
	<u>P. pilosa</u> subsp. <u>pilosa</u> LA1	St. Tammany Par., LA	C. Ferguson 161	GBAN-AF167233	J
+	<u>P. pilosa</u> subsp. <u>pilosa</u> LA2	Beauregard Par., LA	C. Ferguson 110	GBAN-AF167234	Q
	<u>P. pilosa</u> subsp. <u>pilosa</u> LA3	Jefferson Davis Par., LA	C. Ferguson 290	GBAN-AF167235	JJ
	<u>P. pilosa</u> subsp. <u>pilosa</u> MI	Jackson Co., MI	C. Ferguson 198	GBAN-AF167236	N
+	<u>P. pilosa</u> subsp. <u>pilosa</u> MS	Forrest Co., MS	C. Ferguson 291	GBAN-AF167237	TTT
	<u>P. pilosa</u> subsp. <u>pilosa</u> NC	Beaufort Co., NC	C. Ferguson 299	GBAN-AF167238	RRR
	<u>P. pilosa</u> subsp. <u>pilosa</u> OK1	Muskogee Co., OK	C. Ferguson 150	GBAN-AF167239	C
+	<u>P. pilosa</u> subsp. <u>pilosa</u> OK2	Pushmataha Co., OK	C. Ferguson 142	GBAN-AF167240	I
	<u>P. pilosa</u> subsp. <u>pilosa</u> TN	Harding Co., TN	C. Ferguson 181	GBAN-AF167241	K

+	<u>P. pilosa</u> subsp. <u>pilosa</u> TX1	Liberty Co., TX	C. Ferguson 119	GBAN-AF167242	G
+	<u>P. pilosa</u> subsp. <u>pilosa</u> TX2	Montgomery Co., TX	C. Ferguson 121	GBAN-AF167243	H
+	<u>P. pilosa</u> subsp. <u>riparia</u> Wherry / $\underline{n} = 14$	Real Co., TX	C. Ferguson 125	GBAN-AF167244	D
+	<u>P. pilosa</u> subsp. <u>sangamonensis</u> D. Levin & D.M. Sm. / $\underline{n} = 7$	Champaign Co., IL	C. Ferguson 195	GBAN-AF167245	R
+	<u>P. pulcherrima</u> (Lundell) Lundell / $\underline{n} = 14$ Subsect. Drummondianae (Peter) Wherry	San Jacinto Co., TX	C. Ferguson 98	GBAN-AF167246	P
	<u>P. cuspidata</u> Scheele / $\underline{n} = 7$				
	<u>P. cuspidata</u> TX1	Bastrop Co., TX	C. Ferguson 29	GBAN-AF167250	LL
+	<u>P. cuspidata</u> TX2	Refugio Co., TX	C. Ferguson 75	GBAN-AF167251	OO
	<u>P. drummondii</u> Hook. [4]				
	<u>P. drummondii</u> subsp. <u>drummondii</u> / $\underline{n} = 7$	Bastrop Co., TX	C. Ferguson 28	GBAN-AF167252	NN
+	<u>P. drummondii</u> subsp. <u>mcallisteri</u> (Whitehouse) Wherry / $\underline{n} = 7$	Lampasas Co., TX	C. Ferguson 86	GBAN-AF167253	KK
	<u>P. drummondii</u> subsp. <u>glabriflora</u> Brand / $\underline{n} = 7$	Brooks Co., TX	C. Ferguson 70	GBAN-AF167254	MM
	Sect. <u>Pulvinatae</u> Peter [5*]				
	Subsect. <u>Albomarginatae</u> (Rydberg) Wherry [1*]				
+	<u>P. alyssifolia</u> Greene*	Natrona Co., WY	D. Ferguson 1	GBAN-AF167255	NNN
	Subsect. <u>Canescentes</u> (Rydberg) Wherry				
	<u>P. hoodii</u> Richardson / $\underline{n} = 14$	Natrona Co., WY	D. Ferguson 2	GBAN-AF167256	OOO
	<u>Microsteris</u> :				
+	<u>Microsteris gracilis</u> (Hook.) Greene* / $\underline{n} = 7$	San Mateo Co., CA	A. David 274	GBAN-AF167257	GG
	Outgroups:				
	<u>Leptosiphon floribundus</u> (A. Gray) J.M. Porter & L.A. Johnson*	San Bernadino Co., CA	A. Prather 1583 (TEX)	GBAN-AF167258	PPP
+	<u>L. nuttallii</u> (A. Gray) J.M. Porter & L.A. Johnson*	Mono Co., CA	A. David 295	GBAN-AF167259	HH

^aThe prefix GBAN- has been added to link the online version of American Journal of Botany to GenBank but is not part of the actual GenBank number.

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