

LI-BING ZHANG, HANS PETER COMES, AND JOACHIM W. KADEREIT. 2001. Phylogeny and quaternary history of the European montane/alpine endemic *Soldanella* (Primulaceae) based on ITS and AFLP variation. *American Journal of Botany* 88(12): 2331-2345.

APPENDIX. Origin and voucher/source information of the investigated accessions of *Soldanella* and outgroup taxa (*Primula*, *Douglasia*) included in the ITS and/or AFLP analyses, together with the type of leaf material used. Identification numbers of *Soldanella* samples refer to those shown in Figs. 4 and 5. Vouchers deposited at the Mainz University herbarium (MJG) are according to the following collectors: LBZ (L.-B. Zhang), MK (M. Kropf), HPC (H. P. Comes), FRB (F. R. Blattner), LE (L. Ehrendorfer), FE (F. Ehrendorfer), NK (N. Kapuskar), CU (C. Uhink).

Taxon	No.	Origin	Analysis	Leaf material ^a	Voucher/Source	GenBank accession no. ^b (ITS1-5.8S-ITS2)
<i>Soldanella</i>						
<i>S. alpina</i> subsp. <i>alpina</i>	1	Spain, W Pyrenees, above Balneario de Panticosa, cult. ^c	ITS+AFLP	s	LBZ 160399 (MJG)	GBAN-AJ306322
	2	Austria, Carinthia, Nassfeld, cult. ^c	ITS+AFLP	s	LBZ 010499 (MJG)	GBAN-AJ306323
	3	Austria, Styria, Hochschwab, 1200 m	AFLP	s	LBZ 160799 (MJG)	
	4	Switzerland, Waadt, Mt. La Dole, 1640 m	ITS+AFLP	s	MK 010698 (MJG)	GBAN-AJ306321
	5	Italy, SW Alps, Colle di Tenda, 1880 m	AFLP	s	LBZ 050699 (MJG)	
	6	Italy, Trentino, Monte Baldo, 1900 m	AFLP	s	LBZ 040799 (MJG)	
	7	Montenegro, Crna Gora	ITS	h	Juva 1970 (H)	GBAN-AJ306324
	8	Spain, E Pyrenees, Santuaria de Nuria, 2100 m	AFLP	s	MK 240799 (MJG)	
	9	Germany, Bavaria, Garmisch-Partenkirchen, Wettersteingebirge, 1650-1800 m	AFLP	h	Förther 4840 (M)	
<i>S. alpina</i> subsp. <i>cantabrica</i>	10	Spain, Cantabria, Asturias, 1150-1800 m	ITS+AFLP	h	López & Valdés 4148 EV (MA)	GBAN-AJ306325
<i>S. angusta</i>	11	Romania, E Carpathians, Harghita Mts., Harghita Bai, 1310 m	AFLP	s	HPC & MK 020799 (MJG)	

	12	Romania, E Carpathians, Harghita Mts., Padu Mare, 1200 m	ITS	h	Groza 110889 (LI)	GBAN-AJ306326
<i>S. calabrella</i>	13	Italy, Calabria, Mt. Curcio, 1690 m	AFLP	s	LBZ 150699 (MJG)	
	14	Italy, Calabria, Sila Piccola, Alta valle del Tacina	ITS+AFLP	h	Poelt 110788 (GZU)	GBAN-AJ306327
<i>S. carpatica</i>	15	Slovakia, High Tatra, Malá Studená valley, 1500 m	AFLP	s	LBZ 210899 (MJG)	
	16	Poland, High Tatra, Dolina Gasienicowa, 1650-1750 m	ITS	h	Drescher 090793 (GZU)	GBAN-AJ306328
	17	Poland, High Tatra, Zakopane, 1000 m	AFLP	s	LBZ 230899 (MJG)	
	18	Slovakia, Velka Fatra, Gaderska valley, NW Banska Bystrica	ITS	h	Raus 090887 (B)	GBAN-AJ306329
	19	Slovakia, Velka Fatra, above Ruzomberok, 1000 m	AFLP	s	HPC 230899 (MJG)	
<i>S. chrysosticta</i>	20	Bulgaria, Rila Mts., cult. ^c	ITS	h	Schwerdtfeger 19735 (B)	GBAN-AJ306330
	21	Bulgaria, Rila Mts., Maljovica, 2060 m	AFLP	s	HPC & MK 290699 (MJG)	
	22	Greece, E Thessalia, Vólos, Mt. Pilion, 1200 m, cult. ^c	ITS+AFLP	s	Schwerdtfeger 19736 (B)	GBAN-AJ306331
<i>S. hungarica</i>	23	Romania, S Carpathians, Fagaras Mts., 2500 m	ITS+AFLP	s	LE & FE 060798 (MJG)	GBAN-AJ306332
	24	Romania, S Carpathians, Piatra Craiului (Königstein), 1500 m	ITS+AFLP	s	LE & FE 080798 (MJG)	GBAN-AJ306333
	25	Romania, S Carpathians, Bucegi Mts., 2080 m	AFLP	s	HPC & MK 010799 (MJG)	
<i>S. major</i>	26	Romania, S Carpathians, Retezat Mts., Virful "Bucura", 2000 m	ITS	h	Groza 120795 (LI)	GBAN-AJ306334
	27	Romania, S Carpathians, Retezat Mts., Ref. "Bucurei", 2100 m	AFLP	s	HPC & MK 040799 (MJG)	

	28	Romania, S Carpathians, Petrosani, Oasa/Lotrului, 1200-1700 m	ITS	h	Meyer & Meyer 9895 (JE)	GBAN-AJ306335
	29	Romania, S Carpathians, Petrosani, nr. Brezoi, 1300 m	AFLP	s	HPC & MK 030799 (MJG)	
	30	Austria, Salzburg, Lungau/Kareck, nr. Pritzhütte, 1750 m	AFLP	s	LBZ 130799 (MJG)	
	31	Austria, Styria, Fischbacher Alpen, Stuheck, 1700 m	ITS+AFLP	h	Melzer 170892 (LI)	GBAN-AJ306336
	32	Austria, Lower Austria, Sonwendstein, 1500 m	ITS+AFLP	s	HPC & MK 090799 (MJG)	GBAN-AJ306337
<i>S. marmorossiensis</i>	33	Slovakia, High Tatra, above Strebske Pleso, 1370 m	ITS+AFLP	s	LBZ 220899 (MJG)	GBAN-AJ306338
	34	Slovakia, Nizke Tatra, Mengusovska Dolina, 1400 m	ITS+AFLP	h	Kump 060691 (LI)	GBAN-AJ306339
	35	Romania, E Carpathians, Rodnei Mts., Pietrosul, 1395 m	ITS+AFLP	s	HPC & MK 060799 (MJG)	GBAN-AJ306340
<i>S. minima</i> subsp. <i>minima</i>	36	Slovenia, Trenta, Triglav National Park	AFLP	s	FRB 1-98/090898 (MJG)	
	37	Austria, Carinthia, Karnische Alpen, Nassfeld, 1800 m	ITS+AFLP	s	CU 98-246 (MJG)	GBAN-AJ306341
	38	Germany, Bavaria, Ammergauer Alpen, Friederspitz, 1750 m	ITS+AFLP	h	Mayer 28 (M)	GBAN-AJ306342
<i>S. minima</i> subsp. <i>austriaca</i>	39	Austria, Styria, S Eisenerz, 1600-1800 m	ITS	h	Ernet 8555/1 (GJO)	GBAN-AJ306343
	40	Germany, Bavaria, Chiemgauer Alpen, Sonntagshorn, 1600 m	ITS+AFLP	h	Urban 240692 (M)	GBAN-AJ306344

<i>S. minima</i> subsp. <i>samnitica</i>	41	Italy, Abruzzi, Mgnna della Maiella, Grotta de Cavone, 2200 m	ITS+AFLP	s	LBZ 120699 (MJG)	GBAN-AJ306345
<i>S. montana</i> ssp. <i>montana</i>	42	Austria, Upper Austria, Eidenberg, 730 m	ITS+AFLP	h	Kleesadl 615 (LI)	GBAN-AJ306346
	43	Austria, Styria, Mariazell, Hechtensee, 900m	AFLP	s	LBZ 160799 (MJG)	
	44	Czech Republic, Bohemian Massif, Sumava	ITS+AFLP	h	Manitz & Manitz 030882 (JE)	GBAN-AJ306347
<i>S. montana</i> ssp. <i>faceta</i>	45	Poland, N Carpathians, Wzniesienie Gubalowskie, Chochowskie	ITS	h	Pancer 090955 (KRAW)	GBAN-AJ306348
<i>S. oreodoxa</i>	46	Romania, C Transylvania, Cluj Mures, 1000 m	ITS+AFLP	h	Groza 280594 (LI)	GBAN-AJ306349
<i>S. pindicola</i>	47	Greece, Epirus, Pindos Mts., Metsovon, 1675 m, cult. ^c	ITS+AFLP	s	Thiv s. n. (priv. coll. M. Thiv)	GBAN-AJ306350
	48	Macedonia, Tetovo, 20 km W Tetovo, 2350 m	ITS+AFLP	h	Baltisberger & Lenherr 80/1172 (Z)	GBAN-AJ306351
	49	Jugoslavia, Serbia, Sar Plannina, Brezovica, 2000 m	ITS+AFLP	h	Seidl 0688 (M)	GBAN-AJ306352
<i>S. pusilla</i> subsp. <i>pusilla</i>	50	Bulgaria, Pirin Mts., above chalet "Vihren", 2200 m	ITS	h	Kuzmanov 802338 (B)	GBAN-AJ306353
	51	Bulgaria, Rila Mts., Maljovica, 2000 m	AFLP	s	HPC & MK 240699 (MJG)	
	52	Romania, S Carpathians, Bucegi Mts., 2160 m	ITS+AFLP	s	HPC & MK 010799 (MJG)	GBAN-AJ306354
	53	Romania, S Carpathians, Retezat Mts., Ref. "Bucurei", 1990 m	ITS+AFLP	s	HPC & MK 040799 (MJG)	GBAN-AJ306355
<i>S. pusilla</i> subsp. <i>alpicola</i>	54	Austria, Carinthia, Falkert, cult. ^c	ITS+AFLP	s	LBZ 160399 (MJG)	GBAN-AJ306356
	55	Austria, Tyrol, Galtür, Predigtberg, 2000 m	ITS+AFLP	s	NK 230788 (MJG)	GBAN-AJ306357
	56	Italy, W Alps, Sondrio, La Presanella, S Passo del Tonale, 2590-2620 m	ITS+AFLP	h	Wittmann & Wittmann 140795 (LI)	GBAN-AJ306358
	57	Italy, Dolomites, Colbricon, Passo di Rolle, 1900 m	AFLP	s	LBZ 080799 (MJG)	

<i>S. rhodopaea</i>	58	Bulgaria, Rhodope Mts., N slope of Mt. Prespa, 1550 m	AFLP	s	HPC & MK 260699 (MJG)	
	59	Greece, Makedhonia, Rhodope Mts., Pistola/Stavrorema, 1400 m	ITS+AFLP	h	Farsakoglou, Franzén & Strid 19470 (B)	GBAN-AJ306359
<i>S. rugosa</i>	60	Romania, E Carpathians, Rodnei Mts., Pietrosul, 1830 m	ITS+AFLP	s	HPC & MK 060799 (MJG)	GBAN-AJ306360
<i>S. villosa</i>	61	Spain, W Pyrenees, Navarra, Goizueta, Artikutza, 460 m	ITS+AFLP	h	Aizpuru 16330 (RO)	GBAN-AJ306361
<i>Primula</i>						
<i>P. bulleyana</i>	62	China, Yunnan, cult. ^c	ITS+AFLP	s	LBZ 010499 (MJG)	GBAN-AJ306362
<i>P. cuneifolia</i>	63	Japan, Hokkaido Pref., Daisetsu Mts., Takanegahara, 1800 m	ITS	s	Fujii 290792 (KANA)	unpubl.
<i>P. farinosa</i>	64	Cult. ^d	ITS	?	GenBank	GBAN-AF260772 ^e
<i>P. latifolia</i>	65	France, Alpes Maritimes, Ref. Le Borèon, 1760 m	ITS+AFLP	s	LBZ 060699 (MJG)	GBAN-AJ306363
<i>P. parryi</i>	66	USA, Colorado, Chaffee county, 3600 m	ITS	h	Hogan 2493 (OSC)	GBAN-AJ306364
<i>P. tschuktschorum</i>	67	USA, Alaska, Seward Peninsula	ITS	?	GenBank	GBAN-AF260767 ^e
<i>Douglasia</i>						
<i>D. alaskana</i>	68	USA, Alaska, Thorofore Pass	ITS	?	GenBank	GBAN-AF260774 ^e
<i>D. beringensis</i>	69	USA, Alaska, Seward Peninsula	ITS	?	GenBank	GBAN-AF260773 ^e

^a Abbreviations: S = silica-dried leaf material collected in the field, H = herbarium material, ? = unknown.

^b The prefix GBAN has been added to each GenBank accession to link the online version of American Journal of Botany to GenBank but is not part of the actual accession number.

^c Mainz University Botanical Garden.

^d Royal Botanic Gardens, Kew.

^e Referred to in Conti et al. (2000).