Appendix S3. Summary of reports of ploidy determination in wild species of *Solanum* sect. *Petota*.

Species[a]	2*n* chromosome number					Data sources[b]
	24	36	48	60	72	
Solanum acaule Bitter			604		1[c]	**48:** Rybin, 1929, 1933; Bukasov, 1933, 1938a; Juzepczuk, 1937; Propach, 1937a,b; Lamm, 1943, 1945; Hawkes, 1944; Koopmans, 1951; Okuno, 1951; Brücher, 1954, 1959; Swaminathan, 1954; Gilles, 1955; Lhoas, 1956; Wangenheim, 1957; Lebedeva, 1960b; Diers, 1961; Hermsen and DeBoer, 1971; Ochoa, 1978, 1980a, 1990, 1999, 2003; Okada and Clausen, 1982, 1985; Masuelli and Camadro, 1992; Bamberg *et al.*, 1996; Salas *et al.*, 2001; 45 new reports **72:** Spooner *et al.*, 1995
S. achacachense Cárdenas	2					Ochoa, 1985; Bamberg *et al.*, 1996
S. acroglossum Juz.	9					Bamberg *et al.*, 1996; Ochoa, 1999, 2003
S. acroscopicum Ochoa	20					Ochoa, 1978, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001
S. agrimonifolium Rydb.			29			Marks, 1965; Watanabe and Orrillo, 1994; Bamberg *et al.*, 1996; Castillo and Spooner, 1997; Spooner *et al.*, 2001; 8 new reports;
S. alandiae Cárdenas	14					Ochoa, 1980a; Bamberg *et al.*, 1996; 4 new reports
S. albicans (Ochoa) Ochoa					62	Ochoa, 1978, 1982a, 1993, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001; 10 new reports
S. albornozii Correll	5					Bamberg *et al.*, 1996; Ochoa, 1982a, 1993
S. amayanum Ochoa	5					Ochoa, 1992a, 2003; Salas *et al.*, 2001
S. ambosinum Ochoa	29					Bamberg *et al.*, 1996; Ochoa, 1999, 2003; 2 new reports
S. anamatophilum Ochoa	2					Ochoa, 1992a; Salas *et al.*, 2001
S. ancophilum (Correll) Ochoa	6					Ochoa, 1999; Salas *et al.*, 2001
S. ancoripae Ochoa	2					Ochoa, 1999, 2003
S. andreanum Baker	18		1[d]			**24:** Swaminathan and Howard, 1953; Ochoa, 1982a, 1993; Bamberg *et al.*, 1996; Castillo and Spooner, 1997; 9

				new reports
				48: Ochoa, 1982a
S. ×*arahuayum* Ochoa	3			Ochoa, 1994, 2003
S. ariduphilum Ochoa	4			Ochoa, 1972b, 1999, 2003
S. arnezii Cárdenas	3			Bamberg *et al.*, 1996; 1 new report
S. augustii Ochoa	4			Ochoa, 1974, 1999, 2003; Salas *et al.*, 2001
S. avilesii Hawkes and Hjert.	6			Ochoa 1985; Ochoa, 1990; Bamberg *et al.*, 1996; 1 new report
S. ayacuchense Ochoa	1			Ochoa, 1982c
S. aymaraesense Ochoa	3			Ochoa, 1987c, 1999; Salas *et al.*, 2001
S. berthaultii Hawkes	67			Hawkes, 1944; Brücher and Ross, 1953; Gottschalk and Peters, 1955; Lebedeva, 1960b; Haynes, 1963; Vogt and Rowe, 1968; Ochoa, 1980a, 1990; Bamberg *et al.*, 1996; 8 new reports
S. bill-hookeri Ochoa	2			Ochoa, 1988a; Salas *et al.*, 2001
S. ×*blanco-galdosii* Ochoa	6			Ochoa, 1973; Bamberg *et al.*, 1996; Salas *et al.*, 2001
S. boliviense Dunal	28			Hawkes, 1944, 1956a; Ochoa, 1980a, 1990; Bamberg *et al.*, 1996; 7 new reports
S. bombycinum Ochoa			1	Ochoa, 1983c
S. brevicaule Bitter	21		6[e]	**24:** Ochoa, 1990; Bamberg *et al.*, 1996; 4 new reports
				48: 6 new reports
S. ×*bruecheri* Correll	1			Brücher, 1970
S. buesii Vargas	10			Ochoa, 1992a, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001;
S. bukasovii Juz.	421			Rybin, 1929, 1933; Bukasov, 1933; Juzepczuk, 1937; Hawkes, 1944; Okuno, 1951; Gilles, 1955; Haynes, 1964; Vogt and Rowe, 1968; Ochoa, 1978, 1981f, 1983a, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001; 41 new reports
S. bulbocastanum Dunal	61	2		**24:** Bukasov, 1933; Sidorov, 1937; Bukasov, 1938a; Hawkes, 1956a; Magoon *et al.*, 1958; Lebedeva, 1960a; Hermsen and DeBoer, 1971; Matsubayashi and Misoo, 1977; Bamberg *et al.*, 1996; 13 new reports
				36: Swaminathan and Howard, 1953; Hawkes, 1956a
S. burkartii Ochoa	1			Ochoa, 1999

S. burtonii Ochoa		1		Ochoa, 1993
S. cajamarquense Ochoa	8			Ochoa, 1999, 2003; 1 new report
S. calacalinum Ochoa	2			Ochoa, 1982a, 1993
S. calvescens[f] Bitter		1		Hawkes and Hjerting, 1969
S. candolleanum P. Berthault.	23	3		**24:** Ochoa, 1958, 1980a, 1990, 1999; Bamberg *et al.*, 1996; 1 new report **36:** Ochoa, 1990, 2003
S. cantense Ochoa	19			Ochoa, 1978, 1999, 2003; Salas *et al.*, 2001
S. cardiophyllum Lindl.	12	8		**24:** Choudhuri, 1943; Hawkes, 1956a; Magoon *et al.*, 1958; Lebedeva, 1960a; Bamberg *et al.*, 1996; 5 new reports **36:** Rybin, 1929, 1933; Longley and Clark, 1930; Bukasov, 1933; Sidorov, 1937; Hawkes, 1944
S. chacoense Bitter	217			De Vilmorin and Simonet, 1927, 1928; Smith, 1927; Clark, 1929; Rybin, 1929; Longley and Clark, 1930; Bukasov, 1933, 1937a, 1938a, 1938b, 1940b; Oppenheimer, 1933; Juzepczuk, 1937; Propach, 1937a; Shepeleva, 1937; Sidorov, 1937; Ratera, 1938, 1940, 1944; Choudhuri, 1943, 1944; Hawkes, 1944; Koopmans, 1951; Okuno, 1951; Brücher, 1954; Gottschalk, 1954; Gilles, 1955; Gottschalk and Peters, 1955; Lhoas, 1956; Magoon *et al.*, 1958; Walker, 1959; Lebedeva, 1960b, 1962; Matsubayashi, 1962b; Marks, 1966; Hermsen, 1969; Lee and Erickson, 1979; Ochoa, 1980a; Moscone, 1992; Spooner *et al.*, 1994; Bamberg *et al.*, 1996
S. chancayense Ochoa	7			Ochoa, 1978, 1999; Bamberg *et al.*, 1996; 20 new reports
S. chilliasense Ochoa	3			Ochoa, 1981h, 1993; Bamberg *et al.*, 1996
S. chillonanum Ochoa	4			Ochoa, 1987a, 1992a, 1999; Salas *et al.*, 2001
S. chiquidenum Ochoa	48			Ochoa, 1978, 1999, 2003; Salas *et al.*, 2001; 1 new report
S. chomatophilum Bitter	78			Marks, 1965; Ochoa, 1978, 1982a, 1993, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001; 2 new reports
S. circaeifolium Bitter	18			Cárdenas and Hawkes, 1946; Gottschalk and Peters, 1955; Ochoa, 1980a, 1990; Bamberg *et al.*, 1996; 4 new reports
S. clarum Correll	6			Marks, 1968, 1969; Bamberg *et al.*, 1996; 1 new report
S. coelestipetalum Vargas	23			Bamberg *et al.*, 1996; Ochoa, 1999; 2 new reports
S. colombianum Bitter			80	Rybin, 1929; Bukasov, 1933, 1938a; Sidorov, 1937; Marks, 1965; Ochoa, 1982a, 1993; Watanabe and Orrillo, 1994; Bamberg *et al.*, 1996; Castillo and Spooner, 1997; 10 new reports

S. commersonii Dunal	84	14			**24:** Bukasov and Lechnovich, 1935; Shepeleva, 1937; Sidorov, 1937; Bukasov, 1938a,b, 1940a,b; Ratera, 1938; Kameraz, 1940; Koopmans, 1951; Okuno, 1951; Gilles, 1955; Lhoas, 1956; Brücher, 1976; Masuelli and Camadro, 1992; Bamberg *et al.*, 1996; 21 new reports **36:** De Vilmorin, 1929; Rybin, 1929, 1933; Longley and Clark, 1930; Bukasov, 1933, 1938a; Propach, 1937a; Sidorov, 1937; Ivanovskaya, 1939; Hawkes, 1944; Okuno, 1951; Gilles, 1955
S. contumazaense Ochoa	2				Ochoa, 1999
S. demissum Lindl.				8[g] 196	**60:** Bukasov, 1933; Rybin, 1933; Juzepczuk, 1937; Hawkes, 1944; Okuno, 1951 **72:** De Vilmorin and Simonet, 1928; Jørgensen, 1928; Longley and Clark, 1930; Sidorov, 1937; Hawkes, 1944, 1956b; Koopmans, 1951; Gilles, 1955, 1960; Marks, 1955, 1965; Lhoas, 1956; Lebedeva, 1960b; Marks *et al.*, 1965; Bamberg *et al.*, 1996; 30 new reports
S. ×*doddsii* Correll	12				Ochoa, 1985, 1990; Spooner *et al.*, 1994; Bamberg *et al.*, 1996; 1 new report
S. dolichocremastrum Bitter	15				Ochoa, 1972a, 1981b, 1999; Bamberg *et al.*, 1996; Salas *et al.*, 2001
S. donachui (Ochoa) Ochoa					No reports
S. ×*edinense* P. Berthault.				13	Salaman, 1926; Rybin, 1929, 1933; Hawkes, 1944; 3 new reports
S. ehrenbergii (Bitter) Rydb.	27				Bamberg *et al.*, 1996; 9 new reports
S. flahaultii Bitter			17		Ochoa, 1981b, 1982a; Bamberg *et al.*, 1996; Castillo and Spooner, 1997; 3 new reports
S. flavoviridens Ochoa		1			Ochoa, 1990
S. gandarillasii Cárdenas	8				Ochoa, 1980a, 1990; Bamberg *et al.*, 1996; Castillo and Spooner, 1997; 2 new reports
S. garcia-barrigae Ochoa			2		Castillo and Spooner, 1997
S. gracilifrons Bitter	5				Hawkes, 1956a; Ochoa, 1999, 2003; Salas *et al.*, 2001
S. guerreroense Correll				2	Hawkes, 1954; Marks, 1965
S. guzmanguense Whalen and Sagást.	5				Ochoa, 1992a, 2003
S. hastiforme Correll	5				Ochoa, 1999, 2003; Salas *et al.*, 2001
S. hintonii Correll	1				1 new report
S. hjertingii Hawkes			14		Sangowawa, 1989; Bamberg *et al.*, 1996; 3 new reports
S. hoopesii Hawkes and K.			7		Hawkes and Okada, 1988; Bamberg *et al.*, 1996; Spooner *et al.*, 1994; 3 new reports

A. Okada			
S. hougasii Correll			14 Hawkes, 1954; Swaminathan and Hougas, 1954; Watanabe and Orrillo, 1994; Bamberg *et al.*, 1996; 6 new reports
S. huancabambense Ochoa	8		Bamberg *et al.*, 1996; Ochoa, 1999
S. huancavelicae Ochoa	3		Salas *et al.*, 2001; Ochoa, 2003
S. huarochiriense Ochoa,	23		Ochoa, 1978, 1999, 2003; Salas *et al.*, 2001
S. humectophilum Ochoa	6		Ochoa, 1992a, 1999, 2003
S. hypacrarthrum Bitter	26		Ochoa, 1978, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001
S. immite Dunal	10	1	**24:** Ochoa, 1978, 1999; Bamberg *et al.*, 1996; Salas *et al.*, 2001; 1 new report **36:** Ochoa, 1978
S. incahuasinum Ochoa	2		Ochoa, 1979a, 1999
S. incamayoense K. A. Okada and A. M. Clausen	8		Bamberg *et al.*, 1996
S. incasicum Ochoa	2		Ochoa, 1981c, 2003
S. ×indunii K. A. Okada and A. M. Clausen[h]		25	Okada and Clausen, 1982
S. infundibuliforme Phil.	142		Choudhuri, 1943, 1944; Hawkes, 1944; Gottschalk, 1954; Brücher, 1957a; Ochoa, 1980a,b, 1990; Okada and Clausen, 1985; Masuelli and Camadro, 1992; Bamberg *et al.*, 1996; 17 new reports
S. ingifolium Ochoa	5		Ochoa, 1978, 1999
S. iopetalum (Bitter) Hawkes			58 Rybin, 1929; Hawkes, 1954; Marks, 1955, 1965; Watanabe and Orrillo, 1994; Bamberg *et al.*, 1996; 37 new reports
S. irosinum Ochoa	9		Ochoa, 1981d, 1999; Bamberg *et al.*, 1996
S. jaenense Ochoa			3 Ochoa, 1999, 2003
S. jalcae Ochoa	21		Ochoa, 1978, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001
S. jamesii Torr.	82		De Vilmorin and Simonet, 1927, 1928; Smith, 1927; Rybin, 1929; Longley and Clark, 1930; Bukasov, 1933; Magoon *et al.*, 1958; Matsubayashi and Misoo, 1977; Bamberg *et al.*, 1996; 54 new reports
S. kurtzianum Bitter and	106		Bukasov, 1940b; Gilles, 1955; Gottschalk and Peters, 1955; Hawkes, 1956a; Lebedeva, 1960b; Brücher, 1967,

	Wittm.			1970; Bamberg *et al.*, 1996; Clausen and Spooner, 1998; 13 new reports
S. laxissimum	Bitter	22		Ochoa, 1972a, 1978, 1999, 2003; Bamberg *et al.*, 1996
S. leptophyes	Bitter[i]	118	107	**24:** Hawkes, 1956a; Clausen and Okada, 1987; Masuelli and Camadro, 1992; Bamberg *et al.*, 1996; Ochoa, 1999; 9 new reports **48:** Clausen and Okada, 1987; Bamberg *et al.*, 1996; 5 new reports
S. lesteri	Hawkes and Hjert.	3		Bamberg *et al.*, 1996; 2 new reports
S. lignicaule	Vargas	16		Ochoa, 1978, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001
S. limbaniense	Ochoa	14		Ochoa, 1974, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001
S. ×litusinum	Ochoa	1		Ochoa, 1981c
S. lobbianum	Bitter		5	Ochoa, 1982a, 1992c; Castillo and Spooner, 1997
S. longiconicum	Bitter		18	Swaminathan and Howard, 1953; Gilles, 1955; Bamberg *et al.*, 1996; Spooner *et al.*, 2001; 5 new reports;
S. longiusculus	Ochoa	2		Ochoa, 1987b, 2003
S. lopez-camarenae	Ochoa	4		Ochoa, 1978, 1999
S. maglia	Schltdl.	2	7	**24:** Hawkes and Hjerting, 1969; Spooner and Clausen, 1993 **36:** Rybin, 1929, 1933; Bukasov, 1933, 1938a; Hawkes, 1944; Okuno, 1951
S. marinasense	Vargas	31		Hawkes, 1956a; Ochoa, 1978, 1999; Bamberg *et al.*, 1996; Salas *et al.*, 2001; 1 new report
S. medians	Bitter[j]	49	42	**24:** Diers, 1961; Bamberg *et al.*, 1996; Ochoa, 1999; Salas *et al.*, 2001 **36:** Rybin, 1929, 1933; Ochoa, 1978, 1999, 2003; Salas *et al.*, 2001
S. megistacrolobum	Bitter	207		**24:** Hawkes, 1956a; Okada and Clausen, 1982; Ochoa, 1990, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001; 29 new reports
S. ×michoacanum	(Bitter) Rydb.	1		Hawkes, 1990
S. microdontum	Bitter	125	24	**24:** Choudhuri, 1944; Hawkes, 1944; Brücher and Ross, 1953; Brücher, 1954, 1970; Swaminathan, 1954; Gilles, 1955; Gottschalk and Peters, 1955; Lhoas, 1956; Wangenheim, 1957; Lebedeva, 1960b; Vogt and Rowe, 1968; Ochoa, 1980b, 1990; Moscone, 1992; Bamberg *et al.*, 1996; Clausen and Spooner, 1998; 8 new reports **36:** Okada, 1981; Ochoa, 1990

S. minutifoliolum Correll	3				Ochoa, 1982a, 1993; Bamberg *et al.*, 1996
S. mochiquense Ochoa	11				Ochoa, 1972a, 1999; Bamberg *et al.*, 1996
S. morelliforme Bitter and G. Muench	12				Swaminathan and Howard, 1953; Bamberg *et al.*, 1996; 6 new reports
S. moscopanum Hawkes				27	Hawkes, 1954; Bamberg *et al.*, 1996; Castillo and Spooner, 1997; 2 new reports
S. multiinterruptum Bitter	81	1			**24:** Ochoa, 1972a, 1978, 1982b, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001. **36:** Ochoa, 1999
S. nemorosum Ochoa				1	Ochoa, 1983b
S. neocardenasii Hawkes and Hjert.	3				Ochoa, 1985; Bamberg *et al.*, 1996
S. neorossii Hawkes and Hjert.	5				Bamberg *et al.*, 1996
S. neovalenzuelae L. López			1		Castillo and Spooner, 1997
S. neovargasii Ochoa				1	Ochoa, 2003
S. neovavilovii Ochoa	4				Ochoa, 1983d, 1985, 1990
S. ×neoweberbaueri Wittm.		11			Ochoa, 1999; Salas *et al.*, 2001
S. nubicola Ochoa			9		Ochoa, 1992a, 1999, 2003
S. okadae Hawkes and Hjert.	20				Ochoa, 1984b, 1990; Bamberg *et al.*, 1996; 3 new reports
S. olmosense Ochoa	3				Ochoa, 1982a, 1993, 1999
S. oplocense Hawkes	20		16	49	**24:** Hawkes, 1956a; Ochoa, 1990; Bamberg *et al.*, 1996; 3 new reports **48:** Ochoa, 1990; Bamberg *et al.*, 1996; 1 new report **72:** Ochoa, 1980a, 1990; Bamberg *et al.*, 1996; 6 new reports
S. orocense Ochoa			3		Castillo and Spooner, 1997
S. orophilum Correll	19				Ochoa, 1978, 1999; Salas *et al.*, 2001; 1 new report
S. ortegae Ochoa	1				Ochoa, 1998
S. otites Dunal			2		Castillo and Spooner, 1997

S. oxycarpum Schiede			19	Marks, 1965; Watanabe and Orrillo, 1994; Bamberg *et al.*, 1996; Spooner *et al.*, 2001; 5 new reports
S. pampasense Hawkes	7			Hawkes, 1944; Ochoa, 1978; Bamberg *et al.*, 1996
S. pamplonense L. López			1	Castillo and Spooner, 1997
S. paucijugum Bitter			13	Ochoa, 1982a, 1993; Watanabe and Orrillo, 1994; Castillo and Spooner, 1997
S. paucissectum Ochoa	15			Bamberg *et al.*, 1996; Ochoa, 1999, 2003
S. peloquinianum Ochoa	7			Ochoa, 1999, 2003; Salas *et al.*, 2001
S. pillahuatense Vargas	2			Ochoa, 1999; Salas *et al.*, 2001
S. pinnatisectum Dunal	19			Gilles, 1955; Magoon *et al.*, 1958; Lebedeva, 1960b; Bamberg *et al.*, 1996; 2 new reports
S. piurae Bitter	17			Ochoa, 1992a, 1999, 2003; Bamberg *et al.*, 1996;
S. polyadenium Greenm.[k]	27		1	**24:** Longley and Clark, 1930; Bukasov, 1938a; Choudhuri, 1943; Gilles, 1955; Gottschalk and Peters, 1955; Lhoas, 1956; Lebedeva, 1958, 1960b; Bamberg *et al.*, 1996; 3 new reports **48:** Gilles, 1955
S. puchupuchense Ochoa	2			Ochoa, 1999
S. raphanifolium Cárdenas and Hawkes	125			Hawkes, 1956a; Bamberg *et al.*, 1996; Ochoa, 1999, 2003; Salas *et al.*, 2001; 3 new reports
S. raquialatum Ochoa	7			Ochoa, 1992a, 1999
S. ×*rechei* Hawkes and Hjert.	4	1[l]		**24:** Clausen and Spooner, 1998 **36:** Clausen and Spooner, 1998
S. regularifolium Correll	3			Ochoa, 1981g, 1993
S. rhomboideilanceolatum Ochoa	5			Ochoa, 1999, 2003
S. ×*ruiz-lealii* Brücher	1			Brücher, 1970
S. salasianum Ochoa	2			Ochoa, 1989a, 1999
S. ×*sambucinum* Rydb.	5			Sidorov, 1937; Bukasov, 1938a; Swaminathan and Howard, 1953; Matsubayashi and Misoo, 1977; 1 new report
S. sanctae-rosae Hawkes	13			Hawkes, 1954; Gottschalk and Peters, 1955; Bamberg *et al.*, 1996
S. sandemanii Hawkes	5			Ochoa, 1978; Bamberg *et al.*, 1996; Salas *et al.*, 2001
S. santolallae Vargas	9			Hawkes, 1956a; Marks, 1965; Bamberg *et al.*, 1996; Ochoa, 1999; Salas *et al.*, 2001

S. sarasarae Ochoa	4			Ochoa, 1988b, 1999
S. sawyeri Ochoa	4			Ochoa, 1981e, 1999; Salas *et al.*, 2001
S. saxatilis Ochoa	1			Ochoa, 1992b
S. scabrifolium Ochoa	4			Ochoa, 1999; Bamberg *et al.*, 1996
S. schenckii Bitter			15	Bamberg *et al.*, 1996; 7 new reports
S. ×setulosistylum Bitter	1			Gilles, 1955
S. simplicissimum Ochoa	5			Ochoa, 1989b, 2003; Salas *et al.*, 2001
S. soestii Hawkes and Hjert.	1			Ochoa, 1985
S. sogarandinum Ochoa	24	4		**24:** Ochoa, 1978, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001 **36:** Ochoa, 1999, 2003; Salas *et al.*, 2001
S. solisii Hawkes			1	Ochoa, 1982a
S. sparsipilum (Bitter) Juz. and Bukasov [m]	112		2	**24:** Juzepczuk, 1937; Bukasov, 1938a; Hawkes, 1944; Ochoa, 1958, 1990, 1999, 2003; Bamberg *et al.*, 1996; Salas *et al.*, 2001 **48:** Ochoa, 1978; 13 new reports
S. spegazzinii Bitter	64			Brücher, 1957b; Bamberg *et al.*, 1996; 3 new reports
S. stenophyllidium Bitter	23			Bamberg *et al.*, 1996; 10 new reports
S. stoloniferum Schltdl.[n]			356	Smith, 1927; Clark, 1929; Rybin, 1929, 1933; Longley and Clark, 1930; Bukasov, 1933, 1937b; Propach, 1937a; Ivanov, 1939; Hawkes, 1944, 1956a; Koopmans, 1951; Okuno, 1951; Swaminathan, 1954; Wangenheim, 1954; Gilles, 1955; Gottschalk and Peters, 1956; Marks, 1956, 1965; Matsubayashi, 1962a; Marks *et al.*, 1965; Sangowawa and Choudhuri, 1986; Sangowawa and Adama, 1994; Watanabe and Orrillo, 1994; Bamberg *et al.*, 1996; 114 new reports
S. subpanduratum Ochoa			1	Ochoa, 1979b
S. ×sucrense Hawkes			41	Hawkes, 1944; Gilles, 1955; Ochoa, 1980a, 1990; Bamberg *et al.*, 1996; 10 new reports
S. sucubunense Ochoa			2	Castillo and Spooner, 1997
S. tacnaense Ochoa	4			Ochoa, 1978; Ochoa, 1999; Salas *et al.*, 2001
S. tapojense Ochoa	3			Ochoa, 1980b, 1999
S. tarapatanum Ochoa	4			Ochoa, 1977, 1999; Salas *et al.*, 2001

S. tarijense Hawkes	76				Hawkes, 1944; Gilles, 1955; Walker, 1959; Ochoa, 1980a, 1990; Bamberg *et al.*, 1996; 8 new reports
S. tarnii Hawkes and Hjert.	10				Bamberg *et al.*, 1996; 4 new reports
S. taulisense Ochoa	1				Ochoa, 1981a
S. trifidum Correll	13				Bamberg *et al.*, 1996; 2 new reports
S. trinitense Ochoa	3				Ochoa, 1992a, 1999
S. tundalomense Ochoa				8	Ochoa, 1982a, 1993; Watanabe and Orrillo, 1994; Bamberg *et al.*, 1996
S. tuquerrense Hawkes			19		Hawkes, 1954; Ochoa, 1982a, 1993; Watanabe and Orrillo, 1994; Bamberg *et al.*, 1996; Castillo and Spooner, 1997; 1 new report
S. ugentii Hawkes and K. A. Okada			5		Hawkes and Okada, 1988; Spooner *et al.*, 1994; 2 new reports
S. urubambae Juz.	18				Ochoa, 1992a, 1999; Salas *et al.*, 2001
S. ×*vallis-mexici* Juz.[o]		8		2	**36:** Bukasov, 1933; Rybin, 1933; Juzepczuk, 1937; Perlova, 1939; Tétry, 1941; Marks, 1956 **72:** Tétry, 1941; Gilles, 1955
S. velardei Ochoa	2				Ochoa, 1978; Salas *et al.*, 2001
S. venturii Hawkes and Hjert.	6				Bamberg *et al.*, 1996; 5 new reports
S. vernei Bitter and Wittm.	52				Hawkes, 1944; Brücher and Ross, 1953; Brücher, 1954; Gilles, 1955; Gottschalk and Peters, 1955; Wangenheim, 1957; Fiedler and Schreiter, 1959; Lebedeva, 1960a,b; Bamberg *et al.*, 1996; 3 new reports
S. verrucosum Schltdl.[p]	55	1	2		**24:** Propach, 1937b; Sidorov, 1937; Bukasov, 1938a; Hawkes, 1944, 1956b; Lamm, 1945; Okuno, 1951; Swaminathan and Hougas, 1954; Gilles, 1955; Marks, 1956, 1965; Magoon *et al.*, 1958; Lebedeva, 1959, 1960b; Bamberg *et al.*, 1996; 13 new reports **36:** Gilles, 1955 **48:** Gilles, 1955; 1 new report
S. vidaurrei Cárdenas	19				Ochoa, 1980a, 1990; Bamberg *et al.*, 1996; 1 new report
S. ×*viirsoii* K. A. Okada and A. M. Clausen		1			Okada and Clausen, 1985
S. violaceimarmoratum	8				Ochoa, 1980a, 1990; Bamberg *et al.*, 1996

Bitter			
S. virgultorum (Bitter) Cárdenas and Hawkes	1		Ochoa, 1990
S. wittmackii Bitter[q]	23		Juzepczuk, 1937; Shepeleva, 1937; Sidorov, 1937; Bukasov, 1938a; Gilles, 1955; Ochoa, 1999; Salas *et al.*, 2001
S. woodsonii Correll			No reports
S. yamobambense Ochoa	2		Ochoa, 1999, 2003
S. yungasense Hawkes	7	5	**24:** Hawkes, 1954; Ochoa, 1999; Spooner *et al.*, 1994 **36:** Spooner *et al.*, 1994; Ochoa, 1999; Salas *et al.*, 2001

[a] The taxonomy follows Spooner and Salas (2006). We do not list intraspecific taxa in the table but note them below when they relate to cytotype.

[b] "New reports" are first reported here.

[c] Based on morphological and AFLP data, Kardolus (1998) recognized a new subspecies of *S. acaule*, subsp. *palmirense*. Although it has the hexaploid chromosome number and overall morphological similarity to *S. albicans*, AFLP data influenced him to classify it in *S. acaule* (typically tetraploid).

[d] This tetraploid report is based on a report listed under *S. pichichense* Bitter, a name that Spooner *et al.* (1993) place in synonymy with *S. andreanum*. This report may be from *S. tuquerrense*, known to occur in the area of Ochoa's collection.

[e] The *S. brevicaule* complex is a group of approximately 30 taxa of diploids, tetraploids, and hexaploids that are difficult to distinguish and some may need to be placed in synonymy (Van den Berg *et al.*, 1998; Miller and Spooner, 1999). The tetraploid reports are of recent collections and their identity may change.

[f] Brücher (1975) suggested that *S. calvescens* is a triploid cytotype of *S. chacoense*.

[g] Spooner *et al.* (2004) placed the name *S. semidemissum* Juz. (formerly recognized as a pentaploid species) under synonymy with *S. demissum* because they were unable to reliably distinguish them morphologically.

[h] Okada and Clausen (1982) described *S.* ×*indunii* as a natural hybrid between *S. acaule* and *S. megistacrolobum*, found in northern Argentina in the Department of Jujuy. Brücher (1959) first documented this triploid hybrid (without mentioning vouchers) from this area.

[i] Ochoa (1990) combined the name *S. gourlayi* (formerly with diploid and tetraploid populations) under *S. leptophyes* (formerly with only diploids).

[j] Ochoa (1999) distinguished *S. medians* var. *medians* (triploid) from var. *autumnale* (diploid) on ploidy and on morphological traits that we do not think are diagnostic; the varieties may not be worthy of taxonomic recognition.

[k] Gilles (1955) reported a somatic ploidy determination for *S. polyadenium* of $n = 12$ chromosomes and stated that it was a natural monoploid that was not very fertile, but that its few seeds produced diploid plants of 24 chromosomes.

[l] Okada and Hawkes (1978) studied 41 "clones" of *S. ×rechei* from collection numbers *Hawkes 3357*, *3359*, *3363*, *3364*, and *Okada 2703*. *Hawkes 3359* showed diploid and triploid somatic reports ($2n = 24, 36$), whereas the other collections were all diploid.

[m] Ochoa (1978) reported two collections of *S. sparsipilum* from Peru (*Ochoa, 3043, 3044*) as $2n = 48$, but he did not list these two collections in his subsequent flora of Peru (1999). Ochoa (1980a) reported a collection of *S. sparsipilum* from Bolivia (*Ochoa, 11926*) as $2n = 48$; however, he changed the identity of this to *S. ×sucrense* in Ochoa (1990).

[n] Gottschalk and Peters (1956, p. 361) list five collections of *S. stoloniferum* (as *S. ajuscoense, S. antipoviczii, S. tlaxcalense, S. malinchense, S. fendleri*) as n = 12, but this conflicts with information in the text (p. 359) and this appears to be a typographical error.

[o] Gilles (1955) provided a report of $2n = 72$ for *S. ×vallis-mexici* (without locality) and suggested that this was an autohexaploid of this typically triploid hybrid.

[p] Gilles (1955) provided five diploid, one triploid, and one tetraploid report from different clones of *S. verrucosum* received from Germany. All of them looked similar to each other and to other typically diploid *S. verrucosum*, except that some tetraploids looked like *S. demissum* (typically hexaploid). The triploids and tetraploids may be artificial interspecific hybrids.

[q] Bukasov (1937b, 1938a) and Sidorov (1937) list reports of *S. wittmackii* as $2n = 48$, but list no vouchers for these. All reports could be of the same collection and we do not tabulate these atypical reports.

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