



BIOLOGICAL & REPRODUCTIVE FEATURES OF 123 CANARIAN TAXA

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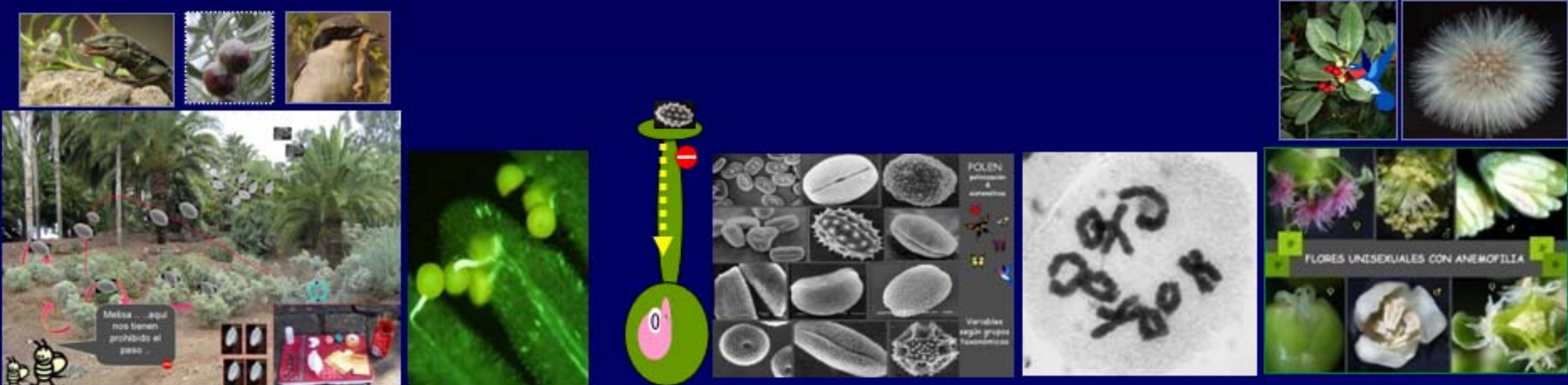


TABLE OF BIOLOGICAL & REPRODUCTIVE TRAITS OF THE 123 TAXA IN PÉREZ DE PAZ & CAUJAPÉ-CASTELLS (2012 in mss) and literature sources. The variables to which each literature cited refers to appear between brackets after the corresponding source. **2n: SPOROPHYTIC CHROMOSOME NUMBER; x: BASIC CHROMOSOME NUMBER** (in some taxa where these variables have not been studied specifically (e.g., the two subspecies of *Ilex perado*, *Myrica rivas-martinezii*, *Viola palmensis*, we assigned the value of the closest relatives found in the literature *Ilex aquifolium*, *Myrica faya*, *Viola cheiranthifolia*); **PL: PLOIDY LEVEL** (2= 2x, 4= 4x, 8= 8x). Although *Cheirolophus* was reported as a polyploid genus by some authors, we consider it as a diploid with x=15, following Valdés-Bermejo & Agudo Mata (1983); **V: VEGETATIVE REPRODUCTION** (0= not reported, 1= present); **SS: SEXUAL SYSTEM** (H= hermaphroditism, M= monoecy or individuals with male and female flowers, GM = gynomonoccy or individuals with female and hermaphrodite flowers, D= dioecy with male and female individuals, sD = subdioecy with male, female and monoecious individuals, P= polygamy with male, female and hermaphrodite flowers, PD= polygamodioecy with hermaphrodite and male flowers or with hermaphrodite and female flowers, GD= gynodioecy with hermaphrodite and female individuals, AD = androdioecy with hermaphrodite and male individuals, Df= functional dioecy); **SI/PSI: total or partial SELF-INCOMPATIBILITY SYSTEM** (SC= self-compatible, GSI= Gametophytic Self-Incompatibility, LSI= Late Self-Incompatibility, SSI= Sporophytic Incompatibility homomorphic or heteromorphic (SSI-He). We also consider as self-incompatible (i) the cases in genera which partial incompatibility or mixed mating system have been reported in the literature or unpublished, and (ii) the taxa with isolated individuals known to be incapable of producing seeds, and those where seeds do not give rise to adult individuals (e.g., *Lotus* or *Chamaecitysus*); **W: WOODINESS**, following the biotypes of Raunkjaer as used by Pérez de Paz & Hernández-Pradrón 1999 (h= herbaceous, g= geophytes, c= chamephytes, h= hemicryptophytes, w= phanerophytes and nano-phanerophytes); **P: POLLINATION** with empirical date or pollination syndrome as defined in Faegri & Van der Pijl (1971) and Proctor & Yeo (1973), S= predominantly short-distance, insect or lizard-mediated, L= predominantly long-distance, ornitophilous or anemogamous); **D: SEED DISPERSAL and DISPERSAL VECTOR** process or mechanisms as defined by Nogales et al. (2012) or with dispersal syndrome as defined Van der Pijl (1972), S= predominantly short-distance or within ~1 km of a parent plant, through barochory, entomocory or saurochory, L= Predominantly long-distance, through anemochory, epizoochory and ornithochory, A= abiotic dispersal vector and B= biotic vector. In the cases of dry fruits with numerous seeds and without special dispersal syndrome (which are reported to be short-range dispersers), we have considered also long-range dispersal vectors (diplochory) already described in the genus (e.g., taxa of Cistaceae, Brassicaceae, etc): we have considered diplochory through auto/barochory and frugivorous birds or vertebrates (Marrero et al., 2004; Padilla et al., 2012; Vargas et al., 2012) or through the wind, which would favour both short and long-range seed flow (e.g., *Echium*, considered in the tests with barochory vs epizoochory or anemochory). Asterisks after the taxon's names signal the taxa not considered in FOEA's allozyme review.

N	TAXON NAME	2n	x	PL	V	SS	SI/PSI	W	P	D	LITERATURE SOURCES
PINACEAE											
1	<i>Pinus canariensis</i> *	24	12	2	0	M	G?	w	L	L/AB	Pederick 1970 (2n, x, PL); Richardson 2000 (SS, V, P, D); Owens 2006, Williams et al. 2001 (<i>Pinus</i> has a not well defined SI system); Nogales et al. 1999 (D), López de Heredia et al. 2010 (P, D)
ARECACEAE											
2	<i>Phoenix canariensis</i>	36	18	2	0	D	GSI	w	SL	L/B	Borgen 1977, Röser 1994, González Pérez et al. 2004, Al-Ani et al. 2010 (2n, x, PL); Barrow 1998 (SS); Al-Obeed & Abdul-Rahman 2002 (SI); Henderson 1986, Silberbauer-Gottsberger 1990, Valido & Olesen 2010 (P); Barquín Díez et al. 1983, Nogales et al. 1999 (D)
COLCHICACEAE											
3	<i>Androcymbium hierrense</i> subsp. <i>hierrense</i>	18	9	2	1	H	GSI	g	S	S/A	Margelí et al. 1999 (2n, x, PL); Martín Cáceres et al. in Bañares et al. 2004 (V); Ardanuy 1997 (SS, SI); Melendo et al., 2003 (D)
4	<i>Androcymbium hierrense</i> subsp. <i>macrospermum</i>	18	9	2	1	H	GSI	g	S	S/A	Margelí et al. 1999 (2n, x, PL); Martín Cáceres et al. in Bañares et al. 2004 (V); Ardanuy 1997 (SS, SI); Melendo et al., 2003 (D)
5	<i>Androcymbium psammophilum</i>	18	9	2	1	H	GSI	g	S	S/A	Borgen 1977 (2n, x, PL); Reyes Betancor et al. in Bañares et al. 2004 (V); Ardanuy 1997 (SS, SI); Melendo et al., 2003 (D)
POACEAE											
6	<i>Avena canariensis</i>	14	7	2	1	H	SC, G	h	L	L/AB	Borgen 1977, Morikawa & Leggett 1990, Peng et al. 2010 (2n, x, PL, SS, SI); Brandvain & Haig 2005 (SI); Rodríguez et al. 2007 (D)
7	<i>Dactylis glomerata</i>	14/28	7	2/4	1	H	GSI	h	L	L/AB	Ramos Martínez in Sahuquillo & Lumaret 1996 (2n, x, PL); Lundqvist 1969 (SS, SI)

TABLE BIOLOGICAL TRAIS of 123 TAXA (continued 1)

N	TAXON NAME	2n	x	PL	V	SS	SI/PSI	W	P	D	LITERATURE SOURCES
8	<i>Lolium canariense</i> AQUIFOLIACEAE	14	7	2	1	H	GSI	h	L	L/AB	Charmet & Balfourier 1994, Charmet et al. 1996 (2n, x, PL, SS, SI, P, D)
9	<i>Ilex perado lopez-lilloi*</i>	40?	20	2	1	D	-	w	S	L/B	Goldblatt 1977, Ruiz de Clavijo 1991, Manen 2004 (2n, x, PL); Marrero et al. <i>in</i> Bañares et al. 2004 (V, SS, D); Manen et al. 2010 (SS); Marrero et al. 2004 (D)
10	<i>Ilex perado platyphylla*</i> ASTERACEAE	40?	20	2	1	D	-	w	S	L/B	Goldblatt 1977, Ruiz de Clavijo 1991, Manen 2004 (2n, x, PL); Marrero et al. <i>in</i> Bañares et al. 2004 (V, SS, D); Manen et al. 2010 (SS); Marrero et al. 2004 (D)
11	<i>Argyranthemum adauctum</i> subsp. <i>canariense*</i>	18	9	2	0	GM	SSI	c	S	SL/AB	Humphries 1975 (2n, x, PL, SS); Olangua et al. unpubl. (V, SS, SI); Barquín-Díez & Wildpret de la Torre 1975, Cuevas et al. 2004, Salvador 2009 (D)
12	<i>Argyranthemum adauctum</i> subsp. <i>gracile*</i>	18	9	2	0	GM	SSI	c	S	SL/AB	Humphries 1975 (2n, x, PL, SS); Olangua et al. unpubl. (V, SS, SI); Barquín-Díez & Wildpret de la Torre 1975, Cuevas et al. 2004, Salvador 2009 (D)
13	<i>Argyranthemum adauctum</i> subsp. <i>jacobaeifolium*</i>	18	9	2	0	GM	SSI	c	S	SL/AB	Humphries 1975 (2n, x, PL, SS); Olangua et al. unpubl. (V, SS, SI); Barquín-Díez & Wildpret de la Torre 1975, Cuevas et al., 2004, Salvador 2009 (D)
14	<i>Argyranthemum escarrei*</i>	18	9	2	0	GM	SSI	c	S	SL/AB	Humphries 1975 (2n, x, PL, SS); Olangua et al. unpubl. (V, SS, SI); Barquín-Díez & Wildpret de la Torre 1975, Cuevas et al. 2004, Salvador 2009 (D)
15	<i>Argyranthemum filifolium*</i>	18	9	2	0	GM	SSI	c	S	SL/AB	Humphries 1975 (2n, x, PL, SS); Olangua et al. unpubl. (V, SS, SI); Barquín-Díez & Wildpret de la Torre 1975, Cuevas et al. 2004, Salvador 2009 (D)
16	<i>Argyranthemum frutescens</i> subsp. <i>canariae*</i>	18	9	2	0	GM	SSI	c	S	SL/AB	Humphries 1975 (2n, x, PL, SS); Olangua et al. unpubl. (V, SS, SI); Barquín-Díez & Wildpret de la Torre 1975, Cuevas et al. 2004, Salvador 2009 (D)
17	<i>Argyranthemum frutescens</i> subsp. <i>pumilum*</i>	18	9	2	0	GM	SSI	c	S	SL/AB	Humphries 1975 (2n, x, PL, SS); Olangua et al. unpubl. (V, SS, SI); Barquín-Díez & Wildpret de la Torre 1975, Cuevas et al. 2004, Salvador 2009 (D)
18	<i>Argyranthemum lidii*</i>	18	9	2	0	GM	SSI	c	S	SL/AB	Humphries 1975 (2n, x, PL, SS); Olangua et al. unpubl. (V, SS, SI); Barquín-Díez & Wildpret de la Torre 1975, Cuevas et al. 2004, Salvador 2009 (D)
19	<i>Babcockia platylepis</i> = <i>Sonchus platylepis</i>	18	9	2	0	H	SSI	c	S	L/A	Borgen 1977 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI)
20	<i>Cheirolophus arboreus</i>	30?	15	2	0	H	SC	w	S	SL/AB	Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI); Bramwell 1986, García-Fayos et al. 1995, Carqué et al. <i>in</i> Bañares et al. 2004; (D)
21	<i>Cheirolophus arbutifolius</i>	32	15	2	0	H	SC	w	S	SL/AB	Borgen 1977, Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI); Bramwell 1986 (D)
22	<i>Cheirolophus burchardii</i>	30?	15	2	0	H	SC	w	S	SL/AB	Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI); Bramwell 1986 (D)
23	<i>Cheirolophus canariensis</i>	30	15	2	0	H	SC	w	S	SL/AB	Borgen, 1977; Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI); Bramwell 1986 (D)
24	<i>Cheirolophus falcisectus</i>	30?	15	2	0	H	SC	w	S	SL/AB	Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI); Bramwell 1986, Almeida & Naranjo <i>in</i> Bañares et al. 2004 (D)

TABLE BIOLOGICAL TRAITS of 123 TAXA (continued 2)

N	TAXON NAME	2n	x	PL	V	SS	SI/PSI	W	P	D	LITERATURE SOURCES
25	<i>Cheirolophus gomerythus</i>	30?	15	2	0	H	SC	w	S	SL/AB	Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI); Bramwell 1986 (D)
26	<i>Cheirolophus junonianus</i>	32	15	2	0	H	SC	w	S	SL/AB	Bramwell et al 1972, Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI); Bramwell 1986, Rodríguez-Delgado et al. in Bañares et al. 2004 (D)
27	<i>Cheirolophus metlesicsii</i>	30?	15	2	1	H	SC	w	S	SL/AB	Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI); Bramwell 1986, Mesa et al. in Bañares et al. 2004 (V,D)
28	<i>Cheirolophus santos-abreui</i>	30?	15	2	0	H	SC	w	S	SL/AB	Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI); Bramwell 1986, Martín et al. in Bañares et al. 2004 (D)
29	<i>Cheirolophus teydis</i>	30	15	2	0	H	SC	w	S	SL /AB	Borgen 1977, Valdés-Bermejo & Agudo Mata 1983 (2n, x, PL); Bañares et al. 2004 (V); Heywood et al. 1977 (SS); Crawford et al. 2009 (SI);); Bramwell 1986 (D)
30	<i>Lactusonchus webbii</i>	18	9	2	0	H	SSI	c	S	L/A	Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
31	<i>Prenanthes pendula</i> = <i>Chrysoprenanthes pendula</i>	18	9	2	0	H	SSI	w	S	L/A	Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
32	<i>Senecio teneriffae</i>	60	10	6	1	H	SSI	h	S	L/A	Lowe & Abbott 1996 (2n, x, PL); Heywood et al. 1977 (SS); Hiscock 1998, Hiscock et al. 2002 (SI), Barquín-Díez & Wildpret de la Torre 1975 (D)
33	<i>Sonchus acaulis</i>	18	9	2	0	H	SSI	w	S	L/A	Borgen 1977, Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
34	<i>Sonchus bornmuelleri</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
35	<i>Sonchus brachylobus</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
36	<i>Sonchus canariensis</i>	18	9	2	0	H	SSI	w	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
37	<i>Sonchus congestus</i>	18	9	2	0	H	SSI	w	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
38	<i>Sonchus fauces-orci</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
39	<i>Sonchus gonzalezpadronii</i> = <i>S. gomerensis</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
40	<i>Sonchus gummifer</i>	18	9	2	0	H	SSI	w	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
41	<i>Sonchus hierrensis</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
42	<i>Sonchus ortunoii</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
43	<i>Sonchus palmensis</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
44	<i>Sonchus pinnatifidus</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)

TABLE BIOLOGICAL TRAIS of 123 TAXA (continued 3)

N	TAXON NAME	2n	x	PL	V	SS	SI/PSI	W	P	D	LITERATURE SOURCES
45	<i>Sonchus tuberosus</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
46	<i>Sonchus wildpretii</i>	18	9	2	0	H	SSI	c	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
47	<i>Sventenia bupleuroides</i>	18	9	2	0	H	SSI	c	S	L/A	Pérez de Paz 1976, Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
48	<i>Taeckholmia capillaris</i> (= <i>Sonchus capillaris</i>)	18	9	2	0	H	SSI	w	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
49	<i>Taeckholmia filifolia</i> (= <i>Sonchus filifolius</i>)	18	9	2	0	H	SSI	w	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
50	<i>Taeckholmia microcarpa</i> (= <i>Sonchus microcarpus</i>)	18	9	2	0	H	SSI	w	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
51	<i>Taeckholmia pinnata</i> (= <i>Sonchus leptocephalus</i>)	18	9	2	0	H	SSI	w	S	L/A	Heywood et al. 1977 (SS); Kim 2007, Crawford et al. 2009 (2n, x, PL, SS, SI)
52	<i>Tolpis barbata</i> *	18	9	2	0	H	SC	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D); Heywood et al. 1977 (SS)
53	<i>Tolpis calderae</i> *	18	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D); Heywood et al. 1977 (SS)
54	<i>Tolpis coronopifolia</i> *	18	9	2	0	H	SC	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D); Heywood et al. 1977 (SS)
55	<i>Tolpis crassiuscula</i> *	18	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D); Heywood et al. 1977 (SS)
56	<i>Tolpis glabrescens</i> *	36	9	4	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D); Heywood et al. 1977 (SS)
57	<i>Tolpis laciniata</i> *	18	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D); Heywood et al. 1977 (SS)
58	<i>Tolpis lagopoda</i> *	18	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D); Heywood et al. 1977 (SS)
59	<i>Tolpis proustii</i> *	18	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D); Heywood et al. 1977 (SS)
60	<i>Tolpis webbii</i> *	18	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D); Heywood et al. 1977 (SS)
61	<i>Tolpis sp. nov. 1</i> *	18?	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D)
62	<i>Tolpis sp. nov. 2</i> *	18?	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D)
63	<i>Tolpis sp. nov. 3</i> *	18?	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D)
64	<i>Tolpis sp. nov. 4</i> *	18?	9	2	0	H	SSI	c	S	L/A	Crawford et al. 2006, 2008 (2n, x, PL, SI, SS, P, D)
BORAGINACEAE											
65	<i>Echium acanthocarpum</i>	16	8	2	0	GD	LSI?	w	S	SL/AB	Bramwell et al. 1972 (2n, x, PL); Pérez de Paz 2002, Mora et al. 2009; Petanidou et al. 2012 (SS, SI, D); Dupont & Skov, 2004, Valido & Olesen 2010 (P); Bramwell 1986 (D)
66	<i>Echium callithyrsum</i> *	16	8	2	0	GD	LSI?	w	S	SL/AB	Febles 1989 (2n, x, PL); Pérez de Paz 2002, Mora et al. 2009; Petanidou et al., 2012 (SS, SI, D) Valido & Olesen 2010 (P); Bramwell 1986 (D)
67	<i>Echium decaisnei</i> *	16	8	2	0	GD	LSI?	w	S	SL/AB	Borgen 1977 (2n, x, PL); Pérez de Paz 2002, Mora et al. 2009; Petanidou et al. 2012 (SS, SI, D) Valido & Olesen 2010 (P); Bramwell 1986 (D)
68	<i>Echium onosmifolium</i> subsp. <i>onosmifolium</i> *	16	8	2	0	GD	LSI?	w	S	SL/AB	Borgen 1977 (2n, x, PL); Pérez de Paz 2002, Mora et al. 2009; Petanidou et al. 2012 (SS, SI, D) Valido & Olesen 2010 (P); Bramwell 1986 (D)

TABLE BIOLOGICAL TRAIS of 123 TAXA (continued 4)

N	TAXON NAME	2n	x	PL	V	SS	SI/PSI	W	P	D	LITERATURE SOURCES
69	<i>Echium onosmifolium</i> subsp. <i>spectabile</i> *	16	8	2	0	GD	LSI?	w	S	SL/AB	Borgen 1977 (2n, x, PL); Mora et al. 2009, Petanidou et al. 2012 (SS, SI, D) Valido & Olesen 2010 (P); Bramwell 1986 (D)
BRASSICACEAE											
70	<i>Brassica bourgeauii</i>	18	9	2	0	H	SSI	h	S	SL/AB	Borgen et al. 1979, Lázaro & Aguinagalde 1998 (2n, x, PLd); Zuberi & Dickinson 1985, Dickinson et al. 1998, Hiscock et al. 1998, 2002 (SI); Marrero et al. 2004 (D)
71	<i>Crambe pritzelii</i> *	30	15	2	0	H	SSI	c	S	SL/AB	Borgen 1974 (2n, x, PL); East 1940, Calero & Santos 1988 (SI); Bramwell 1986, Santana et al. <i>in</i> Bañares et al. 2008 (D)
72	<i>Crambe tamadabensis</i> *	30?	15	2	0	H	SSI	c	S	SL/AB	East 1940, Calero & Santos 1988 (SI); Bramwell 1986, Marrero & Navarro <i>in</i> Bañares et al. 2004 (D)
73	<i>Erysimum albescens</i> *	28	7	4	0	H	SSI	c	S	SL/AB	Borgen 1974 (2n, x, PL); Al-Shehbaz 1988, Nieto-Feliner 1990, Gomez et al. 2010 (SI); Valido & Olesen 2010 (P); Marrero et al. 2004 (D)
74	<i>Lobularia canariensis</i> subsp. <i>canariensis</i>	22	11	2	0	H	SSI	c	S	SL/AB	Borgen 1987, 1996 (2n, x, PL, V, SI, SS, P, D), Cuevas et al. 2004 (D)
75	<i>Lobularia canariensis</i> subsp. <i>intermedia</i>	22	11	2	0	H	SSI	c	S	SL/AB	Borgen 1987, 1996 (2n, x, PL, V, SI, SS, P, D), Cuevas et al. 2004 (D)
76	<i>Lobularia canariensis</i> subsp. <i>marginata</i>	22	11	2	0	H	SSI	c	S	SL/AB	Borgen 1987, 1996 (2n, x, PL, V, SI, SS, P, D), Cuevas et al. 2004 (D)
77	<i>Lobularia canariensis</i> subsp. <i>microsperma</i>	22	11	2	0	H	SSI	c	S	SL/AB	Borgen 1987, 1996 (2n, x, PL, V, SI, SS, P, D), Cuevas et al. 2004 (D)
78	<i>Lobularia canariensis</i> subsp. <i>palmensis</i>	22	11	2	0	H	SSI	c	S	SL/AB	Borgen 1987, 1996 (2n, x, PL, V, SI, SS, P, D), Cuevas et al. 2004 (D)
79	<i>Matthiola bolleana</i> *	12	6	2	0	H	SSI	h	S	SL/AB	Borgen 1977 (2n, x, PL); Kunin & Shmida 1997, Hiscock et al. 1998 (SI)
80	<i>Parolinia aridanae</i> *	22	11	2	0	H	SSI	w	S	SL/AB	Fernández-Palacios 2010 (2n, x, PL, V, SS, SI)
81	<i>Parolinia filifolia</i> *	22	11	2	0	H	SSI	w	S	SL/AB	Febles, 1989, Fernández-Palacios 2010 (2n, x, PL, V, SS, SI); Fernández-Palacios <i>in</i> Bañares et al. 2004 (D)
82	<i>Parolinia glabriuscula</i> *	22	11	2	0	H	SSI	w	S	SL/AB	Fernández-Palacios et al. 2004, Fernández-Palacios 2010 (2n, x, PL, V, SS, SI); Fernández-Palacios <i>in</i> Bañares et al. 2004 (D)
83	<i>Parolinia intermedia</i> *	22	11	2	0	H	SSI	w	S	SL/AB	Bramwell et al. 1972, Fernández-Palacios 2010 (2n, x, PL, V, SS, SI)
84	<i>Parolinia ornata</i> *	22	11	2	0	H	SSI	w	S	SL/AB	Borgen, 1977, Fernández-Palacios et al. 2007, Fernández-Palacios 2010 (2n, x, PL, V, SS, SI)

TABLE BIOLOGICAL TRAIS of 123 TAXA (continued 5)

N	TAXON NAME	2n	x	PL	V	SS	SI/PSI	W	P	D	LITERATURE SOURCES
85	<i>Parolinia platypetala*</i>	22	11	2	0	H	SSI	w	S	SL/AB	Fernández-Palacios et al. 2004, Fernández-Palacios 2010 (2n, x, PL, V, SS, SI); Fernández-Palacios in Bañares et al. 2004 (D)
86	<i>Parolinia schizogynoides*</i>	22	11	2	0	H	SSI	w	S	SL/AB	Bramwell et al. 2002, Fernández-Palacios 2010 (2n, x, PL, V, SS, SI)
87	<i>Parolinia sp. 1</i>	22	11	2	0	H	SSI	w	S	SL/AB	Fernández-Palacios 2010 (2n, x, PL, V, SS, SI)
88	<i>Parolinia sp. 2</i>	22	11	2	0	H	SSI	w	S	SL/AB	Fernández-Palacios 2010 (2n, x, PL, V, SS, SI)
CISTACEAE											
89	<i>Cistus chinamadensis</i> subsp. <i>chinamadensis</i>	18	9	2	0	H	GSI	w	S	SL/AB	Bosch 1992, Guzmán & Vargas 2005, 2009 (2n, x, PL, SS, SI, P, D); García-Fayos et al. 1995, Mesa et al. in Bañares et al. 2004, Ramos et al. 2006, Bastida & Talavera, 2002, Padilla et al. 2012 (D)
90	<i>Cistus chinamadensis</i> subsp. <i>gomeræ</i>	18	9	2	0	H	GSI	w	S	SL/AB	Bosch 1992, Guzmán & Vargas 2005, 2009 (2n, x, PL, SS, SI, P, D); García-Fayos et al. 1995, Marrero et al. in Bañares et al. 2004, Ramos et al. 2006, Bastida & Talavera, 2002, Padilla et al. 2012 (D)
91	<i>Cistus osbaeckiiifolius</i>	18	9	2	0	H	GSI	w	S	SL/AB	Bosch 1992, Guzmán & Vargas 2005, 2009 (2n, x, PL, SS, SI, P, D); García-Fayos et al. 1995, Ramos et al. 2006, Martín Osorio et al. in Bañares et al., 2010, Bastida & Talavera. 2002. Padilla et al. 2012 (D)
92	<i>Cistus symphytifolius</i> var. <i>leucophyllus</i> (<i>C. ocreatus</i>)	18	9	2	0	H	GSI	w	S	SL/AB	Bosch 1992, Guzmán & Vargas 2005, 2009 (2n, x, PL, SS, SI, P, D); García-Fayos et al. 1995, Ramos et al. 2006, Bastida & Talavera, 2002, Padilla et al. 2012 (D)
93	<i>Cistus symphytifolius</i> var. <i>symphytifolius</i> (<i>C. symphytifolius</i>)	18	9	2	0	H	GSI	w	S	SL/AB	Borgen, 1977, Bosch 1992, Guzmán & Vargas 2005, 2009 (2n, x, PL, SS, SI, P, D); García-Fayos et al. 1995, Ramos et al. 2006, Bastida & Talavera, 2002, Padilla et al. 2012 (D)
CNEORACEAE											
94	<i>Neochamaelea pulverulenta*</i>	36	18	2	0	AD Df	-	w	S	SL/B	Borgen 1974, Rigueiro et al. 2009 (2n, x, PL); Lorenzo et al. 2003, Pérez de Paz 2002, Pérez de Paz et al. 2011 and in prep (SS); Valido & Nogales 1994, Valido & Olesen 2010 (D, P); Padilla et al. 2012 (D)
FABACEAE											
95	<i>Chamaecitysus proliferus</i> subs. <i>angustifolius</i>	48	12	4	0	H	LSI	w	S	L/B	Borgen 1977, Francisco-Ortega et al. 1992 (2n, x, PL); Webb & Shand 1985, Gibbs & Bianchi 1999, Rodríguez-Riaño et al. 2004, Cubas et al. 2002 (SS, SI); Webb & Shand 1985, López et al. 1999 (P); Barquín Díez et al. 1986, Valido, 1999 (D)
96	<i>Chamaecitysus proliferus</i> subs. <i>meridionalis</i>	48	12	4	0	H	LSI	w	S	L/B	Borgen, 1977, Francisco-Ortega et al., 1992 (2n, x, PL); Webb & Shand, 1985, Gibbs & Bianchi 1999, Rodríguez-Riaño et al. 2004, Cubas et al. 2002 (SS, SI); Webb & Shand 1985, López et al. 1999 (P); Barquín Díez et al. 1986, Valido, 1999 (D)

TABLE BIOLOGICAL TRAITS of 123 TAXA (continued 6)

N	TAXON NAME	2n	x	PL	V	SS	SI/PSI	W	P	D	LITERATURE SOURCES
97	<i>Chamaecitysus proliferus</i> subsp. <i>proliferus</i>	48	12	4	0	H	LSI	w	S	L/B	Borgen 1977, Francisco-Ortega et al. 1992 (2n, x, PL); Webb & Shand 1985, Gibbs & Bianchi 1999, Rodríguez-Riaño et al. 2004, Cubas et al. 2002 (SS, SI); Webb & Shand 1985, López et al. 1999 (P); Barquín Díez et al. 1986, Valido 1999 (D)
98	<i>Chamaecitysus proliferus</i> subsp. <i>proliferus</i> var. <i>calderae</i>	48	12	4	0	H	LSI	w	S	L/B	Borgen 1977, Francisco-Ortega et al. 1992 (2n, x, PL); Webb & Shand 1985, Gibbs & Bianchi 1999, Rodríguez-Riaño et al. 2004, Cubas et al. 2002 (SS, SI); Webb & Shand 1985, López et al. 1999 (P); Barquín Díez et al. 1986, Valido 1999 (D)
99	<i>Chamaecitysus proliferus</i> subsp. <i>proliferus</i> var. <i>canariense</i>	48	12	4	0	H	LSI	w	S	L/B	Borgen 1977, Francisco-Ortega et al. 1992 (2n, x, PL); Webb & Shand, 1985, Gibbs & Bianchi 1999, Rodríguez-Riaño et al. 2004, Cubas et al. 2002 (SS, SI); Webb & Shand 1985, López et al. 1999 (P); Barquín Díez et al., 1986, Valido 1999 (D)
100	<i>Chamaecitysus proliferus</i> subsp. <i>proliferus</i> var. <i>hierrense</i>	48	12	4	0	H	LSI	w	S	L/B	Borgen 1977, Francisco-Ortega et al. 1992 (2n, x, PL); Webb & Shand 1985, Gibbs & Bianchi 1999, Rodríguez-Riaño et al. 2004, Cubas et al. 2002 (SS, SI); Webb & Shand 1985, López et al., 1999 (P); Barquín Díez et al. 1986, Valido 1999 (D)
101	<i>Chamaecitysus proliferus</i> subsp. <i>proliferus</i> var. <i>palmense</i>	48	12	4	0	H	LSI	w	S	L/B	Borgen 1977, Francisco-Ortega et al. 1992 (2n, x, PL); Webb & Shand 1985, Gibbs & Bianchi 1999, Rodríguez-Riaño et al. 2004, Cubas et al. 2002 (SS, SI); Webb & Shand 1985, López et al. 1999 (P); Barquín Díez et al. 1986, Valido 1999 (D)
102	<i>Lotus arinagensis</i> *	28	7	4	1	H	LSI	c	S	S/A	Ortega 1977 (2n, x, PL); Owens 1985, Gibbs & Bianchi 1999 (SS, SI); Navarro et al. in Bañares et al., 2004 (V, D)
103	<i>Lotus berthelotii</i> var. <i>berthelotii</i>	28	7	4	1	H	LSI	c	L	S/A	Ortega 1977 (2n, x, PL); Ojeda & Marrero in Bañares et al. 2004 (V); Owens 1985, Gibbs & Bianchi 1999 (SI); Valido & Olesen 2010 (P)
104	<i>Lotus berthelotii</i> var. <i>subglabratus</i>	28	7	4	1	H	LSI	c	L	S/A	Ortega 1977 (2n, x, PL); Ojeda & Marrero in Bañares et al. 2004 (V); Owens 1985, Gibbs & Bianchi 1999 (SI); Valido & Olesen 2010 (P)
105	<i>Lotus campylocladus campylocladus</i> *	14	7	2	0	H	LSI	c	S	S/A	Ortega 1977 (2n, x, PL); Lundqvist 1993, Gibbs & Bianchi 1999 (SS, SI);
106	<i>Lotus campylocladus hillebrandii</i> *	14	7	2	0	H	LSI	c	S	S/A	Ortega 1977 (2n, x, PL); Lundqvist 1993, Gibbs & Bianchi 1999 (SS, SI)
107	<i>Lotus eremiticus</i> *	28?	7?	4?	1	H	LSI	c	L	S/A	Martín Cáceres et al. in Bañares et al. 2004 (V); Owens 1985, Gibbs & Bianchi 1999 (SS, SI); Valido & Olesen 2010 (P)
108	<i>Lotus genistoides</i> *	14	7	2	0	H	LSI	c	S	S/A	Aldridge & Ortega 1977 (2n, x, PL); Lundqvist 1993, Gibbs & Bianchi 1999 (SS, SI); Navarro et al. in Bañares et al. 2004 (D)

TABLE BIOLOGICAL TRAIS of 123 TAXA (continued 7)

N	TAXON NAME	2n	x	PL	V	SS	SI/PSI	W	P	D	LITERATURE SOURCES
109	<i>Lotus holosericeus*</i>	14	7	2	0	H	LSI	c	S	S/A	Ortega 1977 (2n, x, PL); Lundqvist 1993, Gibbs & Bianchi 1999 (SS, SI); Montalvo & Beyers, 2010 (D)
110	<i>Lotus kunkelii*</i>	28	7	4	0	H	LSI	c	S	S/A	Ortega 1977 (2n, x, PL); Lundqvist 1993, Gibbs & Bianchi 1999 (SS, SI); Navarro et al. in Bañares et al., 2004 (V, D)
111	<i>Lotus lancerottensis*</i>	14	7	2	0	H	LSI	c	S	S/A	Ortega 1977 (2n, x, PL); Lundqvist 1993, Gibbs & Bianchi 1999 (SS, SI); Montalvo & Beyers, 2010 (D)
112	<i>Lotus maculatus*</i>	28	7	4	1	H	LSI	c	L	S/A	Ortega 1977 (2n, x, PL); Marrero & Mesa in Bañares et al. 2004 (V); Owens 1999, Gibbs & Bianchi 1999 (SI); Valido & Olesen 2010 (P)
113	<i>Lotus pyranthus*</i>	28?	7	4	1	H	LSI	c	S	S/A	González et al. in Bañares et al. 2004 (V); Owens 1985 (SI), Gibbs & Bianchi 1999 (SI); Valido & Olesen 2010 (P)
114	<i>Lotus spartioides*</i>	14	7	2	0	H	LSI	c	S	S/A	Ortega 1977 (2n, x, PL); Navarro et al. in Bañares et al. 2004 (V); Owens 1999, Gibbs & Bianchi 1999 (SI); Montalvo & Beyers 2010 (D)
MYRICACEAE											
115	<i>Myrica faya*</i> = <i>Morella faya</i>	16	8	2	1	sD	-	w	L	L/B	Borgen 1977 (2n, x, PL); Brandvain et al. 2007 (SS); Binggeli et al. 1997 (SS, P, D); Nogales et al. 1999, Valido 1999 (D)
116	<i>Myrica rivas-martinezii*</i> = <i>Morella rivas-martinezii*</i>	16?	8	2	0	D	-	w	L	L/B	Borgen 1977 (2n, x, PL); González Pérez et al. 2009, Brandvain et al. 2007 (SS); Binggeli et al. 1997 (SS, P, D); Nogales et al. 1999 (D)
OLEACEAE											
117	<i>Olea europaea ssp. guanchica</i> = <i>Olea guanchica*</i>	46	23	2	0	P-PD	GSI	w	L	L/B	Federov, 1974, Wallander & Albert, 2000, Bracci et al. 2011 (2n, x, PL); Jordano 1987, Cuevas & Polito 2004, Granado-Yela et al. 2007, Pérez de Paz et al. 2011 (SS); Besnard et al. 2000, Collani et al. 2009, Bracci et al. 2011 (SI); Rey & Alcántara 2000, Cuevas & Polito, 2004, García-Verdugo et al. 2010 (P, D)
PLUMBAGINACEAE											
118	<i>Limonium dendroides*</i>	18	9	2	0	H	SSI-He	w	S	L/A	Febles & Pérez-Rodríguez 2004 (2n, x, PL); Reyes Betancor & González in Bañares et al. 2004 (V); Suárez-García et al. 2009 (SS, SI, P, D)
119	<i>Limonium sventenii*</i>	14	7	2	0	H	SSI-He	c	S	L/A	Febles & Pérez-Rodríguez 2004 (2n, x, PL); González et al. in Bañares et al. 2004 (V); Roca-Salinas 1983, Suárez-García et al. 2009 (SS, SI, P, D)
120	<i>Limonium tuberculatum*</i>	32	8	4	0	H	SSI-He	c	S	L/A	Borgen 1977 (2n, x, PL); Suárez et al. in Bañares et al. 2004 (V);); Roca-Salinas 1983, Suárez-García et al. 2009 (SS, SI, P, D)

TABLE BIOLOGICAL TRAITS of 123 TAXA (continued 8)

N	TAXON NAME	2n	x	PL	V	SS	SI/PSI	W	P	D	LITERATURE SOURCES
POLYGONACEAE											
121	<i>Polygonum balansae</i> var. <i>tectifolium</i> *	20	10	2	1	H	SC/G	h	S	S/A	Dalgaard 1986 (2n, x, PL); Hickman 1974, Villar 1990, Konuma & Terauchi 2001 (SS, SI, P, D)
122	<i>Polygonum maritimum</i> *	20	10	2	1	H	SC/G	h	S	S/A	Dalgaard 1986 (2n, x, PL); Hickman 1974, Villar 1990, Konuma & Terauchi 2001 (SS, SI, P, D)
VIOLACEAE											
123	<i>Viola palmensis</i>	64?	8	8	1	H	SC/G	c	S	S/AB	Yockteng et al. 2003 (2n, x, PL); Calero & Santos 1988, Molano-Flores 1999, Mereda et al. 2008 (V, SI); Montgomery 2007, Beattie 1978 (P, D)

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