Competition between alien and native species in xerothermic Steno-Mediterranean grasslands: *Cenchrus setaceus* and *Hyparrhenia hirta* in Sicily and southern Italy

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Supplementary material - Table 2. Phytosociological relevés of the plant community investigated. 1-15: *Hyparrhenia hirta* communities; 16-30: *Cenchrus setaceus* communities.

Family	Gen.	Life Form	Corology																														
					Rel. Numbers	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**
					Area (m2)	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
					Cover (%)	90	90	95	85	90	70	100	75	80	90	100	95	100	100	95	100	100	100	100	100	100	100	85	80	90	100	95	90	95	85
					Slope (◦)	5	5	5	0	5	5	2	35	45	20	0	45	0	60	15	5	5	5	5	5	25	5	25	35	45	0	45	0	70	20
					Aspect	E	SE	SE	-	E	S	W	W	E	S	-	SE	-	SW	SE	NO	NO	S	N	E	S	W	W	E	S	-	SE	-	SW	E
					Altitude (m s.l.m.)	270	275	274	275	276	270	550	260	220	220	9	272	210	321	440	556	566	541	587	840	470	550	120	220	360	14	272	210	319	550
					Numbers Cluster analysis	**1**	**1**	**1**	**1**	**1**	**2**	**2**	**2**	**2**	**2**	**1**	**2**	**1**	**1**	**1**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
					Shannon_H	1.746	1.746	1.746	1.637	1.597	1.812	1.505	2.622	2.226	2.032	1.976	2.277	1.947	1.753	2.448	1.827	1.513	1.827	1.679	1.761	1.885	1.5	1.381	1.799	2.067	2.028	1.648	2.054	1.377	2.271
					Equitability_J	0.557	0.557	0.557	0.555	0.555	0.558	0.550	0.571	0.668	0.661	0.658	0.682	0.557	0.559	0.663	0.556	0.548	0.556	0.554	0.554	0.553	0.46	0.447	0.456	0.559	0.560	0.660	0.558	0.448	0.660
					Richness floristic	21	21	21	19	18	22	20	40	26	27	29	16	29	19	51	25	22	25	22	26	34	27	18	24	32	29	15	33	17	42
Poaceae	*Hyparrhenia*	H caesp	Paleotrop.	1	***Hyparrhenia hirta* (L.) Stapf subsp. *hirta***	60	60	60	60	60	40	50	35	35	40	60	30	60	60	60	5	1	5	5	1	5	5	1	5	1	5	6	5	0	5
Asteraceae	*Galactites*	H biennne	Stenomedit.	2	***Galactites tomentosus* Moench**	1	1	1	1	1	0	1	1	2	0	3	5	1	0	0	1	1	1	1	1	0	1	0	1	1	3	1	1	0	1
Oxalidaceae	*Oxalis*	G bulb	S Africa	3	***Oxalis pes-caprae* L.**	0	0	0	1	1	10	40	1	1	25	3	0	2	0	1	1	1	5	1	1	5	5	20	1	15	3	0	1	0	1

Poaceae	*Cenchrus*	H caesp	Subtrop.	**4**	***Cenchrus setaceus* (Forssk.) Morrone**	0	0	0	0	0	1	0	0	10	1	5	0	1	1	0	60	70	60	60	60	70	80	60	50	50	60	60	60	70	60
Asteraceae	*Sonchus*	T scap	Eurasiat.	**5**	***Sonchus oleraceus* L.**	0	0	0	0	0	1	0	0	2	1	1	5	1	5	0	1	1	1	1	1	0	0	0	1	1	1	4	1	5	1
Apiaceae	*Daucus*	H biennne	Paleotemp.	**6**	Daucus carota L.	1	5	1	1	1	0	0	0	0	0	1	0	4	0	1	1	5	1	1	1	0	0	0	0	0	1	0	4	0	1
Fabaceae	*Lathyrus*	T scap	Stenomedit.	**7**	***Lathyrus clymenum* L.**	0	0	0	0	0	1	0	0	1	1	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1
Asteraceae	*Reichardia*	H scap	Stenomedit.	**8**	***Reichardia picroides* (L.) Roth**	1	1	5	1	5	0	0	1	1	1	3	0	1	0	1	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1
Fabaceae	*Bituminaria*	H scap	Eurimedit.	**9**	***Bituminaria bituminosa* (L.) C.H.Stirt.**	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	5	1	10	5	1	1	1	1	0	0	0	3	0	1
Apiaceae	*Foeniculum*	H scap	S-Eurimedit.	**10**	***Foeniculum vulgare* Mill. subsp. *vulgare***	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	1	0	1	1	0	0	1	1	1	0	0	0	0	0
Brassicaceae	*Lobularia*	H scap	Stenomedit.	**11**	***Lobularia maritima* (L.) Desv.**	0	0	0	0	0	1	1	1	0	0	0	0	0	4	0	1	1	1	1	1	0	0	1	0	0	0	0	1	1	0
Euphorbiaceae	*Mercurialis*	T scap	Paleotemp.	**12**	***Mercurialis annua* L.**	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	1	0	0	1	0	0	0	0
Convolvulaceae	*Convolvulus*	H scand	Stenomedit.	**13**	***Convolvulus althaeoides* L.**	0	1	0	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	1	0	0
Apiaceae	*Ferula*	H scap	S-Eurimedit.	**14**	***Ferula communis* L. subsp. *communis***	5	5	5	10	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0
Fabaceae	*Lotus*	T scap	Stenomedit.	**15**	***Lotus ornithopodioides* L.**	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0	0	0	0	1	1	0	1	1	1	0	0	1	0
Poaceae	*Oloptum*	H caesp	Stenomedit.	**16**	***Oloptum miliaceum* (L.) Röser & H.R.Hamasha**	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	1	1	0	1	10	0	0	0	0	0	3	0	0	0	1

Asparagaceae	*Asparagus*	NPT	Stenomedit.	**17**	***Asparagus acutifolius* L.**	1	1	0	0	0	0	0	0	0	1	3	0	0	0	2	1	0	1	0	0	0	0	1	0	0	0	0	1	0	0
Poaceae	*Avena*	scap	Euri medit.	**18**	***Avena sterilis* L. subsp. *sterilis***	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0
Rosaceae	*Rubus*	NPT	Euri medit.	**19**	Rubus ulmifolius Schott	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	1	1	5	1	1	0	0	0	0	0	0	5	1	0	0
Poaceae	*Stipellula*	scap	Stenomedit.	**20**	***Stipellula capensis* (Thunb.) Röser & H.R.Hamasha**	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	1	0	1	1	1	0	0	0	1	0	0	4	1	0	0
Apiaceae	*Thapsia*	Hscap	S-Stenomedit.	**21**	***Thapsia garganica* L. subsp. *garganica***	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Amaranthaceae	*Achyranthes*	Chsuffr	SW-Medit.-Mont.	**22**	***Achyranthes sicula* (L.) All.**	0	0	0	0	0	1	0	0	1	5	0	0	0	0	0	5	1	1	1	1	0	0	0	0	0	0	0	0	0	0
Araceae	*Arisarum*	Grhiz	Stenomedit.	**23**	***Arisarum vulgare* O.Targ.Tozz. subsp. *vulgare***	1	1	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0
Poaceae	*Avena*	Tscap	Euri medit.	**24**	***Avena barbata* Pott ex Link**	0	0	0	0	0	0	0	0	0	0	1	0	1	3	1	0	0	0	0	0	0	0	0	0	0	1	0	1	5	1
Asteraceae	*Dittrichia*	Hscap	Euri medit.	**25**	Ditthrichia viscosa (L.) Greuter subsp. viscosa	0	0	1	1	0	0	0	0	0	0	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3	0	1	0	3
Asteraceae	*Glebionis*	Tscap	Stenomedit.	**26**	***Glebionis coronaria* (L.) Spach**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	1
Brassicaceae	*Isatis*	Hbiennie	SE Asia	**27**	Isatis tinctoria L.	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5	5	1	1	1	0	0	0	0	0	0	0	0	0	0
Asteraceae	*Urospermum*	Tscap	Euri medit.	**28**	***Urospermum picroides* (L.) F.W.Schmidt**	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0
Fabaceae	*Vicia*	Hbie	Euri medit.	**29**	***Vicia dasycarpa* Ten.**	0	0	0	0	0	0	1	1	3	0	0	4	0	0	0	0	0	0	0	0	0	1	0	3	1	0	3	0	0	0

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Asphodelaceae	*Asphodelus*	G rhiz	Stenomedit.	**30**	***Asphodelus ramosus* L. subsp. *ramosus***	5	5	1	5	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
Fabaceae	*Vicia*	T scap	Euri medit.	**31**	**Vicia villosa Roth. subsp. villosa**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	5	5	1	0	0	0	0	0	0	0	0	0	1
Poaceae	*Anisantha*	T scap	Euri medit.	**32**	**Anisantha sterilis (L.) Nevski**	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
Asparagaceae	*Asparagus*	NP G bulb	W-Stenomedit.	**33**	***Asparagus albus* L.**	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0
Asparagaceae	*Charybdis*		Stenomedit.	**34**	***Charybdis pancration* (Steinh.) Speta**	0	0	0	0	0	0	0	1	1	0	0	0	0	4	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0
Poaceae	*Cynodon*	G rhiz	Cosmopol.	**35**	***Cynodon dactylon* (L.) Pers.**	0	0	0	0	0	0	0	0	0	0	0	0	4	4	1	0	0	0	0	0	0	0	0	0	0	0	0	3	1	1
Geraniaceae	*Geranium*	T scap	Paleotemp.	**36**	***Geranium rotundifolium* L.**	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0
Poaceae	*Lagurus*	T scap	Euri medit.	**37**	***Lagurus ovatus* L.**	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Fabaceae	*Lupinus*	T scap	Stenomedit.	**38**	Lupinus angustifolius L.	1	5	1	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Primulaceae	*Lysimachia*	T rept	Subcosmop.	**39**	***Lysimachia foemina* (Mill.) U.Manns & Anderb.**	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	1	0	1
Orobanchaceae	*Phelipanche*	T par	Paleotemp.	**40**	***Phelipanche nana* (Reut.) Soják**	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Dipsaceae	*Sixalix*	H bienne	Stenomedit.	**41**	***Sixalix atropurpurea* (L.) Greuter & Burdet**	0	0	0	0	0	0	1	1	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	0	0	1
Fabaceae	*Trigonella*	T scap	Medit.-	**42**	***Trigonella smalii* Coulot & Rabaute**	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1

			Turan.																														
Scrophulariaceae	*Verbascum*	H bienne	Euri medit.	**43**	***Verbascum sinuatum* L.**	5	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Fabaceae	*Vicia*	T scap	Euri medit.-Turan.	**44**	***Vicia sativa* L.**	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Poaceae	*Anisantha*	T scap	Paleotemp.	**45**	***Anisantha tectorum* (L.) Nevski**	0	0	0	0	0	0	0	0	0	0	0	3	0	4	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0
Brassicaceae	*Brassica*	T scap	Medit.	**46**	**Brassica rapa L. subsp. campestris (L.) A.R.Clapham**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
Brassicaceae	*Brassica*	H scap	W-Stenomedit.	**47**	***Brassica fruticulosa* Cirillo**	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	3	1
Poaceae	*Bromus*	T scap	Subcosmop.	**48**	***Bromus hordeaceus* L.**	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0
Asteraceae	*Carlina*	H scap	Stenomedit.	**50**	Carlina corymbosa L.	5	1	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	*Clinopodium*	Ch caesp	Orof. SE-Europ.	**51**	***Clinopodium nepeta* (L.) Kuntze subsp. *nepeta***	1	5	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Asteraceae	*Crepis*	T scap	Euri medit.	**52**	***Crepis neglecta* L.**	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Boraginaceae	*Cynoglossum*	H bienne	Euri medit.	**53**	***Cynoglossum creticum* Mill.**	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	*Dactylis*	H caesp	Stenomedit.	**54**	Dactylis glomerata L. subsp. hispanica (Roth) Nyman	0	1	5	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Boraginaceae	*Echium*	T scap	Euri medit.	**55**	Echium plantagineum L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	1	1	1	0	0	0	0	0	0	0	0	0	0
Asteraceae	*Erigeron*	T scap	America Trop.	**56**	***Erigeron bonariensis* L.**	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Euphorbiaceae	*Euphorbia*	T scap	Euro sib.	**57**	***Euphorbia peplus* L.**	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	1
Fabaceae	*Lotus*	Ch suffr	Sten omedit.	**58**	***Lotus cytisoides* L.**	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Fabaceae	*Medicago*	T scap	Euri medit.	**59**	***Medicago orbicularis* (L.) Bartal.**	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Scrophulariaceae	*Misopates*	T scap	Euri medit.	**60**	***Misopates orontium* (L.) Raf.**	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
Asteraceae	*Sonchus*	T scap	Sten omedit.	**61**	***Sonchus tenerrimus* L.**	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Fabaceae	*Tripodion*	T scap	Sten omedit.	**62**	***Tripodion tetraphyllum* (L.) Fourr.**	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
Poaceae	*Aira*	T scap	Subtrop.	**63**	***Aira caryophyllea* L.**	0	0	0	0	0	0	0	0	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	0	4	0	0	1
Poaceae	*Avena*	T scap	Eura siat.	**64**	***Avena fatua* L. subsp. *fatua***	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Boraginaceae	*Borago*	T scap	Euri medit.	**65**	**Borago officinalis L.**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Poaceae	*Macrobriza*	T scap	Subtrop.	**66**	***Briza maxima* L.**	0	0	0	0	0	0	0	0	0	0	0	5	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0
Asteraceae	*Calendula*	T scap	SW-Sten omedit.	**67**	***Calendula arvensis* (Vaill.) L.**	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0

Euphorbiaceae	*Euphorbia*	Ch suffr	Endem.	**68**	Euphorbia ceratocarpa	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geraniaceae	*Geranium*	T scap	Eurasiat.	**69**	***Geranium molle*L.**	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Papaveraceae	*Papaver*	T scap	E-Medit.	**70**	***Papaver rhoeas* L. subsp. *rhoeas***	0	0	0	0	0	0	0	0	0	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Polygonaceae	*Rumex*	T scap	Euri medit.-Macaron.	**71**	***Rumex bucephalophorus* L. subsp. *bucephalophorus***	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
Caryophyllaceae	*Silene*	T scap	Euri medit.	**72**	***Silene gallica* L.**	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Theligonaceae	*Theligonum*	T scap	Stenomedit.	**73**	***Theligonum cynocrambe* L.**	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Fabaceae	*Trifolium*	T scap	Paleotemp.	**74**	***Trifolium campestre* Schreb.**	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Fabaceae	*Trifolium*	H scap	Eurosib.	**75**	***Trifolium pratense* L.**	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
Poaceae	*Ampelodesmos*	H caesp	SW-Stenomedit.	**76**	***Ampelodesmos mauritanicus* (Poir.) T.Durand & Schinz**	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0	0	0	0
Poaceae	*Andropogon*	H caesp	Paleotrop.	**77**	***Andropogon distachyos* L.**	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Scrophulariaceae	*Bellardia*	T scap	Euri medit.	**78**	***Bellardia trixago* (L.) All.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Gentianaceae	*Centaurium*	H bienne	Paleotemp.	**79**	***Centaurium erythraea* Rafn**	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	

Asteraceae	*Crupina*	T scap	Stenomedit.	**80**	***Crupina crupinastrum* (Moris) Vis.**	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Apiaceae	*Foeniculum*	H scap	S-Euri medit.	**81**	***Foeniculum vulgare* Mill. subsp. *piperitum* (Ucria) Bég.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Linaceae	*Linum*	T scap	Medit. e W Asia	**82**	***Linum usitatissimum* L. subsp. *angustifolium* (Huds.) Thell.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Primulaceae	*Lysimachia*	T rept	Euri medit.	**83**	***Lysimachia arvensis* (L.) U.Manns & Anderb. subsp. *arvensis***	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Fabaceae	*Medicago*	T scap	Euri medit.	**84**	***Medicago rigidula* (L.) All.**	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Asteraceae	*Scolymus*	H scap	SW-Euri medit.	**85**	***Scolymus grandiflorus* Desf.**	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
Fabaceae	*Scorpiurus*	T scap	Euri medit.	**86**	***Scorpiurus muricatus* L.**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Rubiaceae	*Sherardia*	T scap	Euri medit.	**87**	***Sherardia arvensis* L.**	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Caryophyllaceae	*Silene*	T scap	Stenomedit.	**88**	***Silene colorata* Poir.**	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0
Caryophyllaceae	*Silene*	H scap	Paleotemp.	**89**	Silene vulgaris	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Smilaceae	*Smilax*	NP	Subtrop.	**90**	Smilax aspera	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0
Poaceae	*Trachinia*	T scap	Stenomedit.	**91**	Trachinia distachia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
Scrophulariaceae	*Veronica*	T scap	Europ.	**92**	***Veronica agrestis* L.**	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Fabaceae	*Vicia*	T scap	Euri medit.	**93**	***Vicia hybrida* L.**	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
Asteraceae	*Artemisia*	NP	S-Stenomedit.	**94**	***Artemisia arborescens* (Vaill.) L.**	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0
Asteraceae	*Artemisia*	Ch frut	Endem.	**95**	***Artemisia campestris* subsp. *variabilis* (Ten.) Greuter**	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Rubiaceae	*Asperula*	T scap	Euri medit.	**96**	***Asperula arvensis* L.**	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Asteraceae	*Bidens*	T scap	N-Amer.	**97**	***Bidens bipinnata* L.**	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	*Biscutella*	T scap	Endem.	**98**	***Biscutella maritima* Ten.**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Gentianaceae	*Blackstonia*	T scap	Euri medit.	**99**	***Blackstonia perfoliata* subsp. *intermedia* (Ten.) Zeltner**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Asteraceae	*Chondrilla*	H scap	S-Europ.-Sudsib.	**100**	***Chondrilla juncea* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Asteraceae	*Coleostephus*	T scap	Stenomedit.	**101**	***Coleostephus myconis* (L.) Cass. ex Rchb. f. (fiori bianchi)**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Boraginaceae	*Echium*	H bienne	Medit.	**102**	***Echium italicum* L. subsp. *italicum***	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geraniaceae	*Erodium*	T scap	Stenomedit.	**103**	***Erodium malacoides* (L.) L'Hér. subsp. *malacoides***	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Apiaceae	*Eryngium*	H scap	Euri medit.	**104**	***Eryngium campestre* L.**	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Euphorbiaceae	*Euphorbia*	NP	Stenomedit.	**105**	***Euphorbia dendroides* L.**	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Moraceae	*Ficus*	P scap	Euri medit.-Turan.	**106**	Ficus carica L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
Papaveraceae	*Fumaria*	T scap	Subcosmop.	**107**	***Fumaria densiflora* DC.**	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Rubiaceae	*Galium*	T scap	Eurasiat.	**108**	***Galium aparine*L.**	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Rubiaceae	*Galium*	T scap	Stenomedit.	**109**	***Galium setaceum* Lam.**	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Asteraceae	*Glebionis*	T scap	Stenomedit.	**110**	***Glebionis discolor* (d'Urv.) E. Cano, Musarella, Cano-Ortiz, Piñar Fuentes, Spamp. & Pinto Gomes**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Asteraceae	*Hedypnois*	T scap	Stenomedit.	**111**	***Hedypnois rhagadioloides* (L.) F.W.Schmidt**	0	0	0	0	0	0	0	0	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	*Hirschfeldia*	H scap	Euri medit.	**112**	***Hirschfeldia incana* (L.) Lagr.-Foss. subsp. *incana***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Asteraceae	*Hypochaeris*	T scap	Stenomedit.	**113**	***Hypochaeris achyrophorus*L.**	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Fabaceae	*Lathyrus*	T scap	Euri medit.	**114**	***Lathyrus sphaericus* Retz.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
Scrophulariaceae	*Linaria*	T rept	SW-Stenomedit.	**115**	***Linaria reflexa* (L.) Desf. subsp. *reflexa***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Fabaceae	*Lupinus*	T scap	W-Stenomedit.	**116**	***Lupinus luteus* L.**	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Lamiaceae	*Micromeria*	Ch suffr	Stenomedit.	**117**	***Micromeria graeca* (L.) Benth. ex Rchb. subsp. *graeca***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Fabaceae	*Ononis*	T scap	S-Sten	**118**	***Ononis diffusa* Ten.**	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

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Cactaceae	*Opuntia*	P succ	America Trop.	**119**	***Opuntia ficus-indica* (L.) Mill.**	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Asteraceae	*Pallenis*	T scap	Euri medit.	**120**	***Pallenis spinosa* (L.) Cass. subsp. *spinosa***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Asteraceae	*Phagnalon*	Ch suffr	W-Stenomedit.	**121**	***Phagnalon saxatile* (L.) Cass.**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Plantaginaceae	*Plantago*	T scap	Stenomedit.	**122**	***Plantago afra* L. subsp. *afra***	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbiaceae	*Ricinus*	P scap	Paleotrop.	**123**	***Ricinus communis* L.**	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0
Polygonaceae	*Rumex*	H scap	W-Medit.	**124**	***Rumex thyrsoides* Desf.**	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Crassulaceae	*Sedum*	T scap	SW-Medit.-Mont.	**125**	***Sedum caeruleum* L.**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Orchidaceae	*Serapias*	G bulb	Euri medit.	**126**	***Serapias vomeracea* (Burm. f.) Briq.**	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Lamiaceae	*Stachys*	Ch frut	Stenomedit.	**127**	***Stachys major* (L.) Bartolucci & Peruzzi**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Tropeolaceae	*Tropaeolum*	T rept	Sudamer.	**128**	***Tropaeolum majus* L.**	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Fabaceae	*Vicia*	H scap	Euri medit.	**129**	***Vicia cracca* L.**	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranunculaceae	*Adonis*	T scap	Euri medit.-	**130**	***Adonis annua* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

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Asteraceae	*Anthemis*	T scap	Stenomedit.	**131**	***Anthemis arvensis* L. subsp. *arvensis***	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	*Arundo*	G rhiz	Subcosmop.	**132**	***Arundo donax*L.**	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asphodelaceae	*Asphodeline*	G rhiz	E-Euri medit.	**133**	***Asphodeline lutea* (L.) Rchb.**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fabaceae	*Astragalus*	T scap	Stenomedit.	**134**	***Astragalus pelecinus* (L.) Barneby**	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Orchidaceae	*Barlia*	G bulb	Stenomedit.	**135**	**Barlia robertiana (Loisel.) Greuter**	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Convolvulaceae	*Calystegia*	H scand	Euri medit.-Turan.	**136**	Convolvulus silvaticus Kit.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassicaceae	*Capsella*	H bienne	Euri medit.	**137**	***Capsella bursa-pastoris* (L.) Medik. subsp. *bursa-pastoris***	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperaceae	*Carex*	H caesp	Euri medit.	**138**	***Carex halleriana* Asso**	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	*Catapodium*	T scap	Euri medit.	**139**	***Catapodium rigidum* (L.) C.E.Hubb. subsp. *rigidum***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Asteraceae	*Centaurea*	H bienne	Endem.	**140**	***Centaurea deusta* Ten.**	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boraginaceae	*Echium*	H bienne	Stenomedit.	**141**	***Echium vulgare* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0

Asteraceae	*Erigeron*	T scap	N-Amer.	**142**	***Erigeron canadensis* L.**	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fabaceae	*Ervum*	T scap	Euri medit.	**143**	***Ervum gracile* DC.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Euphorbiaceae	*Euphorbia*	T scap	Euri medit.	**144**	***Euphorbia exigua* L. subsp. *exigua***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Fabaceae	*Hippocrepis*	T scap	Euri medit.	**145**	***Hippocrepis biflora* Spreng.**	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae	*Hyoseris*	T ros	Stenomedit.	**146**	***Hyoseris radiata* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Verbenaceae	*Lantana*	P caesp	Neotropic.	**147**	***Lantana camara* subsp. *aculeata* (L.) R.W.Sanders**	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fabaceae	*Lotus*	T scap	SW-Stenomedit.	**148**	***Lotus biflorus* Desr.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Fabaceae	*Lotus*	T scap	Stenomedit.	**149**	***Lotus edulis* L.**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fabaceae	*Lotus*	T scap	Stenomedit.	**150**	***Lotus tetragonolobus* L.**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fabaceae	*Lupinus*	T scap	W-Stenomedit.	**151**	***Lupinus consentinii* Guss.**	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poaceae	*Melica*	H caesp	Euri medit.	**152**	***Melica ciliata* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranunculaceae	*Nigella*	T scap	Euri medit.	**153**	***Nigella damascena* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oleaceae	*Olea*	P caesp	Stenomedit.	**154**	Olea europaea L. var. sylvestris (Mill.) Hegi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0

Asteraceae	*Onopordum*	Hbiennne	Stenomedit.	**155**	***Onopordum illyricum* L. subsp. *illyricum***	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Scrophulariaceae	*Parentucellia*	Tscap	Euri medit.	**156**	***Parentucellia latifolia* (L.) Caruel**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Plantaginaceae	*Plantago*	Hros	Eurasiat.	**157**	***Plantago lanceolata* L.**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonaceae	*Polygonum*	Trept	Cosmopol.	**158**	***Polygonum aviculare* L. subsp. *aviculare***	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asteraceae	*Rhagadiolus*	Tscap	Euri medit.	**159**	***Rhagadiolus stellatus* (L.) Gaertn.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Caryophyllaceae	*Sagina*	Tscap	Euri medit.	**160**	***Sagina apetala* Ard. subsp. *apetala***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Rosaceae	*Sanguisorba*	Hscap	Paleotemp.	**161**	Sanguisorba minor	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Crassulaceae	*Sedum*	Chsucc	Euri medit.	**162**	***Sedum album* L. subsp. *album***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Orchidaceae	*Serapias*	Gbulb	Stenomedit.	**163**	***Serapias lingua* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caryophyllaceae	*Silene*	Hbiennne	Stenomedit.	**164**	***Silene latifolia* Poir.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Brassicaceae	*Sinapis*	Tscap	E-Medit.	**165**	***Sinapis alba* L. subsp. *alba***	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apiaceae	*Smyrnium*	Hbiennne	Euri medit.-Subatl.	**166**	***Smyrnium olusatrum* L.**	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	*Stachys*	Tscap	Stenomedit.	**167**	***Stachys romana* (L.) E.H.L.Krause**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Fabaceae	*Sulla*	H scap	W-Stenomedit.	**168**	***Sulla coronaria* (L.) B.H.Choi & H.Ohashi**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae	*Teucrium*	NPT scap	W-Stenomedit.	**169**	***Teucrium fruticans* L. subsp. *fruticans***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Apiaceae	*Tordylium*	T scap	Stenomedit.	**170**	***Tordylium apulum* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Fabaceae	*Trifolium*	T scap	Euri medit.	**171**	***Trifolium stellatum* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Crassulaceae	*Umbilicus*	G bulb	Stenomedit.-Atl.	**172**	***Umbilicus rupestris* (Salisb.) Dandy**	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urticaceae	*Urtica*	T scap	Subcosmop.	**173**	***Urtica urens* L.**	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubiaceae	*Valantia*	T scap	Stenomedit.	**174**	***Valantia muralis* L.**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Scrophulariaceae	*Verbascum*	H bienne	Europ.-Caucas.	**175**	***Verbascum thapsus* L. subsp. *thapsus***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0