

No	name	family	country	colsite	altit	ecology	descript	year	pr
1	Acantholimon aulieatense	Plumbaginaceae	KYR	Chatkal AT	2200	dry steppe	Rounded cushions 15-30 cm wide, pink fls in racemes on stems 5-8 cm long	2018	C
2	Acantholimon diapensioides	Plumbaginaceae	TAJ	BulunKul, Pamir	4300	alpine scree	very dense cushion, 10-60 cm wide, linear 5 mm long lvs, sessile spiklets, pink/rose fls	2015	D
3	Acantholimon diapensioides	Plumbaginaceae	TAJ	Akbaital, Pamir	4500	alpine scree		2015	D
4	Acantholimon diapensioides	Plumbaginaceae	TAJ	Targakaty, Pamir	4200	alpine scree dry alpine		2015	D
5	Acantholimon echinus	Plumbaginaceae	MAK	Galicica	2100	grassland dry alpine	cushions 15-50 cm wide fl spikes sssile	2021	D
6	Achillea aff. aggeratifolia	Asteraceae	MAK	Galicica	2200	grassland	15 cm	2021	D
7	Achillea aggeratifolia	Asteraceae	BGR	Pirin	2400	alpine crevices dry alpine	10-15 cm	2021	D
8	Achillea holosericea	Asteraceae	BGR	Galicica	1900	grassland	15-20 cm, yellow	2021	C
9	Achillea oxyloba	Asteraceae	ITA	Dolomites	2700	limestones scree		2020	C
10	Achillea schurii	Asteraceae	ROM	Bucegi	2400	sandy scree	5-15 cm, white, endem	2021	D
11	Acis nicaensis	Amaryllidaceae	cult				bulb pl, 8-12 cm high, linear lvs, white pinkish fls, 1 cm long	2021	D
12	Adesmia corymbosa	Fabaceae	CHL	La Parva	286	volcanic ash, lava subalpine rocky	prostrate, yellow fls	2019	D
13	Adonis turkestanica	Ranunculaceae	TAJ	Anzob, Hissar BaimaShan,	2900	grassland limestone scree,	perennial pl, 15-40 cm high, finely incised lvs, large terminal yellow fls	2017	C
14	Ajania khartensis	Asteraceae	CHN	Yunnan	4300	grassland	prostrate, 5 cm, silver lvs	2019	C
15	Alectris gracilis	Liliaceae	CHN	SerkymLa, Tibet	4400	Kobresia grassland	Tofieldia-like pl, 5-10 cm high, linear lvs in ground rosettes	2016	C
16	Alectris pauciflora	Liliaceae	CHN	Lulang, Tibet	3200	mountain grassland	Tofieldia-like pl, 10-20 cm high, linear lvs	2016	C
17	Allium altaicum	Alliaceae	ex MNG	Chorgo		alpine grassland, snowfields	bulb pl 30-40 cm high, ancestor of onion	2021	A
18	Allium atosanguineum	Alliaceae	KAZ	Trans-Ily Ala Tau	3300		onion ancestor, 10-30 cm, black-purple fls	2019	C
19	Allium caeruleum	Alliaceae	KYR	Fergana Ridge	1890	mountain grassland	Bulb pl 40 cm hihg, bright blue fls in rounded umbells	2021	C
20	Allium carolinianum	Alliaceae	KAZ	Trans-Ily Ala Tau Khomburabad,	2700	alpine scree	10-20 cm, pink fls	2019	C
21	Allium fedtschenkoanum	Alliaceae	TAJ	Darvas	3300	snow fields	sect. Cepa, bulb pl, 20-40 cm high, tubular lvs, bride yellow fls	2017	C
22	Allium galanthum	Alliaceae	ex KAZ	Ketmen	1200	dry scree	sect. Cepa, caespitose pl, 20-40 cm high, white fls, onion ancestor	2020	C
23	Allium insubricum	Alliaceae	ex ITA	Orobie Alps	1800	limestone scree	decorative bulb pl, 15-20 cm, grey lvs, large purple nodding fls, 15 mm long stems	2020	D
24	Allium oschaninii	Alliaceae	ex TAJ	Yazgulem, Pamir	2100	rocky slope	bulb pl, 50 cm high, ancestor to onion, white fls, 5 cm wide umbells	2021	C
25	Allium pskemense	Alliaceae	ex UZB	Pskem			sect. Cepa, onion ancestor	2021	C
26	Allium victorialis ssp. platyphyllus	Alliaceae	ex Japan	Hotaka Dake, Honsu	2000	woodland	bulb pl, 30-40 cm high, broadly ovate lvs in ground rosette, white fls	2021	B
27	Allium wallichii	Alliaceae	ex CHN	ex Yulong Shan	2800		20 cm, pink, triangular stem	2021	D
28	Alstroemeria cf. exerens	Alstroemeriaceae	CHL	Lag. Teno	200	volcanic ash, lava	30-50 cm, orange fls	2019	C
29	Alstroemeria pallida	Alstroemeriaceae	CHL	Lagunillas Chomolangma,	230	volcanic ash, lava	15-25 cm, pink fls	2019	D
30	Anaphalis flavescens	Asteraceae	CHN	Tibet	5000	alpine scree	perennial pl, 10 cm high, grey tomentose lvs, 3-5 capituli, brownish fls	2016	C
31	Androsace aff. zayulensis	Primulaceae	CHN	DoyaLa, Tibet	4400	dry scree	large compact cushions, 10-30 cm wide, spatulate lvs, 2 cm	2016	E

32	<i>Androsace albana</i>	Primulaceae	cult	ex Caucasus		long, white fls in umbells on stems, 1-2 cm long	2020	C
33	<i>Androsace bisulca</i> v. <i>brahmaputrae</i>	Primulaceae	CHN	Gyamda, Tibet	3300	mountain Kobresia grassland cushion, 3-8 cm high, compact hairy rosettes, 4-8 red fls in umbells	2016	E
34	<i>Androsace</i> cf. <i>ovczinnikovii</i>	Primulaceae	KYR	Moldo Tau	2800	limestone scree Flat lax cushions 5-15 cm wide, flat rosettes, greenish hairy lvs, 3-5 fls in umbells	2018	E
35	<i>Androsace chamaejasme</i>	Primulaceae	USA	Mt.Evans, CO	4000	alpine grassland prostrate cushions, 5 cm, white fls	2018	E
36	<i>Androsace darvasica</i>	Primulaceae	TAJ	Khomburabad, Darvas	3300	alpine grassland and shrubland prostrate lax cushion, 3-7 cm high, 15 mm wide rosettes, linear lvs, white fls	2017	D
37	<i>Androsace darvasica</i>	Primulaceae	TAJ	Peter I.	2600		2017	D
38	<i>Androsace graminifolia</i>	Primulaceae	CHN	Lhasa East, Tibet	3700	Kobresia grassland dwarf caespitose pl, 3-5 cm high, 15 mm wide rosettes, linear lvs, 3-8 pink fls in umbells	2016	E
39	<i>Androsace villosa</i> var. <i>arachnoidea</i>	Primulaceae	BGR	Pirin	2400	limestone crevices densely hairy, 5 cm Perennial pl like <i>A. narcissiflora</i> , 20-30 cm high, large white fls in umbells	2021	E
40	<i>Anemone protracta</i>	Ranunculaceae	KYR	Chatkal AT	1860	alpine grassland	2018	C
41	<i>Antennaria chilensis</i>	Asteraceae	CHL	La Parva	345	volcanic ash, lava	2019	B
42	<i>Anthemis carpatica</i>	Asteraceae	ROM	Bucegi	2300	sandy scree	2021	D
43	<i>Anthemis cretica</i>	Asteraceae	MAK	Galicica	1700	limestone crevices	2021	C
44	<i>Anthyllis aurea</i>	Fabaceae	MAK	Galicica	1900	limestone crevices	2021	D
45	<i>Argylia adscendens</i>	Bignomiaceae	CHL	Lagunillas	230	volcanic ash, lava	2019	E
46	<i>Arnebia echioides</i>	Boraginaceae	ex RUS	Caucasus			2020	D
47	<i>Arnica lyallii</i>	Asteraceae	USA	BigHorn, WY		alpine grassland	2018	C
48	<i>Artemisia frigida</i>	Asteraceae	USA	Laramie, WY		mountain steppe	2018	B
49	<i>Asphodeline taurica</i>	Liliaceae	ex TUR	Bolkar Dag	2100	limestone scree	2021	A
50	<i>Aster alpinus</i>	Asteraceae	BGR	Pirin	2200	limestone crevices	2021	D
51	<i>Aster yunnanensis</i>	Asteraceae	CHN	BaimaShan, Yunnan	4500	limestone scree, grassland	2019	D
52	<i>Astragalus acaulis</i>	Asteraceae	CHN	DaXueShan, Yunnan	4500	alpine grassland	2019	D
53	<i>Astragalus cruckhanksii</i>	Asteraceae	CHL	Lagunillas	238	volcanic ash, lava	2019	D
54	<i>Aubretia canescens</i>	Brassicaceae	ex TUR	ex Sultan Dag			2020	A
55	<i>Azorella madreporica</i>	Apiaceae	CHL	V Nevado	310	volcanic ash, lava	2019	D
56	<i>Azorella trifurcata</i>	Apiaceae	CHL	Lag. Laja	145	volcanic ash, lava	2019	C
57	<i>Baccharis magellanica</i>	Asteraceae	CHL	Chillan	200	volcanic ash, lava	2019	D
58	<i>Baccharis poeppigiana</i>	Asteraceae	CHL	Lag. Laja	145	volcanic ash, lava	2019	D
59	<i>Beesia calthifolia</i>	Saxifragaceae	cult			caespitose pl, 15-25 cm high, cordate glossy leather-like lvs, white fls in racemes	2021	C
60	<i>Berberis empetrifolia</i>	Berberidaceae	CHL	Shangrila	157	volcanic ash, lava	2019	B
61	<i>Besseyia wyomingensis</i>	Scrophulariaceae	USA	BigHorn, WY		alpine grassland	2018	E
62	<i>Bruckenthalia spiculifolia</i>	Ericaceae	BGR	Rila	1950	alpine grassland	2021	D
63	<i>Caiophora coronata</i>	Loasaceae	CHL	Lag. Teno	250	volcanic ash, lava	2019	C
64	<i>Calandrinia affinis</i>	Calandrinaceae	ARG	P. Pehuenche	256	volcanic ash, along streams	2019	D

65	<i>Calandrinia affinis</i>	Calandrinaceae	CHL	V Nevado	310	volcanic ash, along streams		2019	D
66	<i>Calceolaria arachnoidea</i>	Calandrinaceae	CHL	Teno-Vergara	242	volcanic ash, lava		2019	D
67	<i>Calceolaria arachnoidea</i>	Calandrinaceae	CHL	V Nevado	310	volcanic ash, lava cold crevices, along streams		2019	D
68	<i>Calceolaria cavanillesii</i>	Calandrinaceae	CHL	Lag. Maule	207	cold crevices, along streams	20-30 cm, bouquet-like plant with many yellow fls	2019	C
69	<i>Calceolaria cavanillesii</i>	Calandrinaceae	ARG	P. Pehuenche	210	streams volcanic rock		2019	C
70	<i>Calceolaria corymbosa</i>	Calandrinaceae	CHL	Chillan	176	crevices	10 cm saxatile pl. large yellow fls	2019	D
71	<i>Calceolaria filicaulis</i>	Calandrinaceae	CHL	V Nevado	270	along streams	caespitose pl, 10-15 cm high, dark green flat lvs, yellow fls	2019	D
72	<i>Calceolaria mollis</i>	Calandrinaceae	ex cult					2021	C
73	<i>Calceolaria valdiviana</i>	Calandrinaceae	CHL	Lag. Teno	247	volcanic rock crevices	caespitose pl, 10-15 cm high, numerous flat yellow fls	2019	D
74	<i>Callianthemum alaticum</i>	Ranunculaceae	KYR	Talas Ala Tau	3100	limestone scree	caespitose pl 5-10 cm high, succulent stems and lvs, finely parted lvs, large flat pinkish fls,	2018	E
75	<i>Callianthemum alaticum</i>	Ranunculaceae	KYR	Moldo Tau	3300	alpine scree		2018	E
76	<i>Callianthemum alaticum</i>	Ranunculaceae	KAZ	Trans-Ily Ala Tau	3400	alpine scree		2019	E
77	<i>Calochortus gunnsionii</i>	Liliaceae	USA	BigHorn, WY		mountain steppe	20-30 cm	2018	D
78	<i>Caltha leptosepala</i>	Ranunculaceae	USA	BigHorn, WY		snow fields	5-12 cm, white fls, for peat blocks	2018	C
79	<i>Caltha sagittata</i>	Calandrinaceae	CHL	Lag. Teno	247	alpine bogs	5-10 cm, white-greenish fls, for peat blocks	2019	D
80	<i>Campanula alpina</i> v. <i>bucegiensis</i>	Campanulaceae	ROM	Bucegi	2500	alpine grassland	5 cm, pale blue, dirty white	2021	D
81	<i>Campanula aucherii</i>	Campanulaceae	ex TUR	Sipikor				2021	C
82	<i>Campanula barbata</i>	Campanulaceae	AUT	Dachstein	2000			2021	C
83	<i>Campanula choruhensis</i>	Campanulaceae	ex TUR	Tortum			caespitose pl, 5-12 cm high, grey hairy ovate dentate lvs, white-rose bells, 3 cm long	2021	D
84	<i>Campanula orbica</i>	Campanulaceae	BGR	Pirin	2100	alpine grassland	aff. <i>C. alpina</i> , 5 cm, blue	2021	D
85	<i>Campanula tommasiniana</i>	Campanulaceae	HRV	Ucka	1300	limestone crevices	10-20 cm, long bells 2.5 cm	2021	C
86	<i>Campanula topaliana</i>	Campanulaceae	GRC	Mistra		limestone walls	prostrate plant attached to rocks, large green bells	2019	C
87	<i>Campanula trogerae</i>	Campanulaceae	ex TUR			limestone crevices, overhangs	hanging caespitose pl, 10-15 cm high, grey hairy ovate lanceolate lvs, large white open flat bells	2021	D
88	<i>Campanula trogerae</i> x <i>choruhensis</i>	Campanulaceae	ex cult.				intermediate plant	2021	D
89	<i>Campanula waldsteiniana</i>	Campanulaceae	ex CRO	Velebit			prostrate cushion, leafy stems, triangular green lvs, 1 cm long, flat blue bells, 12 mm wide	2021	D
90	<i>Campanula zozysii</i>	Campanulaceae	SLO	Julian A	1900	limestone crevices	5 cm	2021	E
91	<i>Cassiope selaginoides</i>	Ericaceae	CHN	Rawu, Tibet	4300		caespitose pl, 5-12 cm high, slender densely leafy stems, sparsely pubescent lvs, white campanulate fls	2016	D
92	<i>Ceratostigma minus</i>	Plumbaginaceae	CHN	Lhasa, Tibet	3700	dry rocky slope	large cushions, 15-30 cm wide, small lanceolate lvs, large dark blue fls	2016	C
93	<i>Chamaecytisus</i> cf. <i>polytrichus</i>	Fabaceae	MAK	Galicia	2300	limestone crevices	15-20 cm, yellow	2021	D
94	<i>Chilodactylus diffusum</i>	Asteraceae	CHL	Chillan	190	volcanic ash, lava	small shrub 3-50 cm, covered by white daisies	2019	D
95	<i>Chimaphila umbellata</i>	Ericaceae	USA	CN		open forest	prostrate herb 5-10 cm, marbled lvs	2018	C
96	<i>Chorisporea bungeana</i>	Brassicaceae	KYR	Moldo Tau	3300	limestone scree	Caespitose pl 2-5 cm high, prostrate pinnatifid lvs, lilac fls i	2018	E
97	<i>Chorisporea bungeana</i>	Brassicaceae	KAZ	Trans-Ily Ala Tau	3400	alpine scree		2019	E
98	<i>Chorisporea macropoda</i>	Brassicaceae	KYR	Central Kyrgyz AT	3100	fine scree	Caespitose pl 2-8 cm high, prostrate pinnatifid lvs, yellow fls in	2018	D

							short racemes		
99	Chrysanthemum alpinum	Asteraceae	AUT	H.Tauern	2700	alpine grassland		2020	D
100	Cimicifuga yunnanensis	Ranunculaceae	CHN	Zhongdian,			perennial pl, 150 cm high, palmatilobed lvs, creamy-white fls in	2019	B
101	Cistanthe frigida	Montiaceae	CHL	NapaHai, Yunnan	3400	mountain grassland	long not branched racemes	2019	E
102	Clematis columbiana	Ranunculaceae	USA	V Nevado	3200	volcanic ash, lava	prostrate cushion, 5 cm, succulent lvs	2018	D
				BigHorn, WY		open forest margin			
103	Codonopsis convolvulacea v. vinciflora	Campanulaceae	CHN	Gymda, Tibet	3200	mountain shrubland	tuberose pl, 50-80 cm high, creaping stems, narrow lanceolate	2016	C
104	Colchicum luteum	Liliaceae	TAJ				lvs, 3 cm long, flat blue fls		
105	Coluteocarpus vesicaria	Brassicaceae	ex TUR	Anzob, Hissar	2900	alpine meadow and	bulb pl, 7-13 cm high, large yellow fls	2017	D
						snow field		2021	C
106	Convolvulus tragacanthoides	Convolvulaceae	KYR	Moldo Tau	1890	mountain rocky			
						steppe	dwarf spiny subshrub 5-15 cm high, large pinkish fls	2018	E
107	Convolvulus tragacanthoides	Convolvulaceae	KYR	Kungei AT	2000	mountain rocky		2018	E
108	Corallodiscus kingii	Gesneriaceae	CHN	Lhasa West, Tibet	4100	steppe			
				DaXueShan,		rock crevices	flat Ramonda-like rosettes, lanceolate glabrous lvs, blue fls	2016	D
109	Cremanthodium campanulatum	Asteraceae	CHN	Yunnan	4400	alpine grassland	caespitose pl, 10-15 cm high, dark brown fls, 2-3 cm long	2019	D
110	Cyclamen cilicium	Primulaceae	ex TUR	Yarpuz				2021	C
111	Cyclamen clicium	Primulaceae	ex cult					2021	C
							tuberose pl, 5-12 cm high, reniform entire lvs, pink fls, spring		
112	Cyclamen coum	Primulaceae	ex TUR	Zigana			flowering	2021	C
113	Cyclamen coum	Primulaceae	ex TUR	Ovit				2021	C
114	Cyclamen coum Ashwood Snow Flake	Primulaceae	cult					2021	C
115	Cyclamen hederifolium	Primulaceae	HRV	Velebit			10 cm, rose	2021	C
116	Cyclamen hederifolium Samothraki	Primulaceae	GRC	Samothraki Isl			very large white lvs	2021	C
117	Cyclamen hederifolium v album	Primulaceae	cult				white	2021	C
118	Cyclamen peloponesiacum	Primulaceae	ex GRC	Taigetos			white to pink towards petal tips	2021	C
119	Cyclamen pseudoibericum	Primulaceae	ex TUR	Damanli Dag			15 cm, rose fls	2021	D
							tuberose pl, 8-15 cm high, large reniform lvs, rose fls, summer		
120	Cyclamen purpurascens	Primulaceae	ex SLO	Julian Alps			flowering	2021	C
121	Cyclamen repandum	Primulaceae	ex HRV	Velebit			10 cm rose	2021	C
122	Daphne limprichtii	Thymeleaceae	ex CHN	Sechuan			small shrub, 50 cm high, oblong-ovate lvs, white fls, red berries	2021	D
123	Daphne oleoides	Thymeleaceae	ex BGR	Pirin			small shrub, 15-20 cm high, white open fls	2021	D
124	Daphne oleoides	Thymeleaceae	MAK	Galicica	2100	limestone crevices	10-20 cm, creamy	2021	D
125	Daphne oleoides Palermo	Thymeleaceae					30 cm, white, robust	2021	C
126	Daphne oleoides v. kurdica	Thymeleaceae	ex TUR	Sipikor			20 cm, glandulose, creamy	2021	D
127	Daphne oleoides x malyana	Thymeleaceae	ex BIH	Piva valley			small shrub, characters between D. oleoides and D. malyana	2021	D
128	Daphne retusa	Thymeleaceae	exCHN	Sechuan			50 cm white-purple	2021	C
129	Daphne tangutica	Thymeleaceae					50 cm white	2021	C
130	Dianthus armeria	Caryophyllaceae	MAK	Galicica	2300	limestone crevices	20-40 cm, deep carmine	2021	D
131	Dianthus gelidus	Caryophyllaceae	ROM	Bucegi	2400	limestone crevices	3-5 cm, red	2021	D
132	Dianthus microlepis	Caryophyllaceae	BGR	Pirin	2100	granit rocks	3 cm, rose	2021	D
133	Dianthus microlepis	Caryophyllaceae	BGR	Pirin	2200	limestone crevices	3 cm, rose	2021	D
134	Dianthus sylvestris	Caryophyllaceae	MNEG	Komovi	1900	limestone scree	5-8 cm, rose	2021	D

135	<i>Dianthus sylvestris</i>	Caryophyllaceae	MAK	Galicica	2200	limestone scree cold mossy rocky slope	5-8 cm, rose caespitose pl, 10-15 cm high, densely leafy stems, needle-like lvs, 15-20 mm long, rose fls in terminal racemes	2021	D
136	<i>Diplarche multiflora</i>	Ericaceae	CHN	GalungLa, Tibet	3700			2016	C
137	<i>Dodecatheum pulchellum</i>	Primulaceae	USA	BigHorn, WY		snow field	5 cm, rose fls	2018	C
138	<i>Draba bruniifolia</i>	Brassicaceae	ex TUR	Ala Dag			flat dense cushions, 5 cm lilac	2021	B
139	<i>Dracocephalum botryoides</i>	Lamiaceae	ex RUS	Caucasus				2020	D
140	<i>Dracocephalum poulsenii</i>	Lamiaceae	KYR	Moldo Tau	2800	limestone rocks	miniature pl for tufa, pink fls	2018	E
141	<i>Dracocephalum stamineum</i>	Lamiaceae	KAZ	Trans-Ily Ala Tau BaimaShan,	3400	alpine scree	5-10 cm, purple	2019	C
142	<i>Dryadanthe purpurea</i>	Rosacaceae	CHN	Yunnan	4300	cold N grassland	compact cushions, dark red sessile fls	2019	D
143	<i>Edraianthus graminifolius</i>	Campanulaceae	MNEG	Komovi	2100	limestone scree	10-15 cm, blue	2021	D
144	<i>Edraianthus horvatii</i>	Campanulaceae	MAK	Galicica	2300	limestone crevices	5-8 cm, 3-5-flowered, blue	2021	D
145	<i>Edraianthus horvatii hairy</i>	Campanulaceae	MAK	Galicica	1850	limestone crevices	hairy form	2021	D
146	<i>Edraianthus jugoslavicus</i>	Campanulaceae	SRB	Kopaonik	1800	silicate rocks	10 cm, very pale blue	2021	D
147	<i>Edraianthus montenegrinus v.albus</i>	Campanulaceae	MtNEG				10 cm white	2020	D
148	<i>Edraianthus niveus</i>	Campanulaceae	exBIH	Vranica			10 cm creamy	2021	D
149	<i>Edraianthus pilosulus</i>	Campanulaceae	MNEG	Komovi	2200	limestone crevices	3-5 cm, blue	2021	E
150	<i>Edraianthus pumilio</i>	Campanulaceae	HRV	Biokovo	1630	limestone crevices limestone scree, grassland	3 cm cushion, whitish lvs, blue fls	2020	D
151	<i>Edraianthus serpyllifolius</i>	Campanulaceae	HRV ex	Biokovo	1750		5 cm purple	2021	D
152	<i>Edraianthus sutjeskae</i>	Campanulaceae	MtNEG ex				5 cm purple	2021	E
153	<i>Edraianthus tenuifolius</i>	Campanulaceae	MNEG	Sutjeska		limestone crevices	cushions, 5-10 cm wide, stems 10-15 cm long, 3-7 blue fls	2020	B
154	<i>Edraianthus vesovicii</i>	Campanulaceae	MNEG ex	Komovi	2100	limestone crevices	5-10 cm, 1-3-flowered, deep blue	2021	D
155	<i>Edraianthus zogovicii</i>	Campanulaceae	MNEG				10 cm, blue	2021	C
156	<i>Empetrum rubrum</i>	Ericaceae	CHL	Lag. Teno	250	volcanic ash, lava	red fruits caespitose pl in dry conditions 5 cm high, in more humid 10-15 cm high, prominent red berries	2019	D
157	<i>Ephedra fedtschenkoana</i>	Ephedraceae	KYR	ex Talas AT	1700	mountain steppe		2021	C
158	<i>Eremurus altaicus</i>	Liliaceae	KAZ	Trans-Ily Ala Tau		subalpine scree	80 cm creamy	2020	A
159	<i>Eremurus cristatus</i>	Liliaceae	KYR	Fergana Ridge	3000	alpine scree	Rhizomatic pl 50-100 cm high, brown purple fls in long racemes Rhizomatic pl 30-60 cm high, white fls in dense racemes, large fruits	2018	D
160	<i>Eremurus lactiflorus</i>	Liliaceae	KYR	Chatkal AT Khomburabad,	2000	mountain scree		2018	D
161	<i>Eremurus olgae</i>	Liliaceae	TAJ	Darvas	2500		rhizomatic pl, 1 m high, grey-green linear lvs, dense long raccemes with pink fls, peduncles, 5 cm long rhizomatic pl, 100-120 cm high, bright yellow fls, turning to brown purple in fading	2017	C
162	<i>Eremurus stenophyllus</i>	Liliaceae	TAJ	Peter I.	2300			2017	C
163	<i>Eremurus tianshanicus</i>	Liliaceae	KYR	Chatkal AT	2000	mountain steppe	rhizomatic pl 100-120 cm high, long narrow racemes, pinkish fls	2018	C
164	<i>Erigeron aurantiacus</i>	Asteraceae	KAZ	Trans-Ily Ala Tau	3300	alpine grassland	5-20 cm, prominent orage fls caespitose pl, 5-15 cm high, linear green lvs, 3-5 cm long, yellow fls, 15-20 mm wide, capituli	2019	C
165	<i>Erigeron cabulicus</i>	Asteraceae	KYR	Chatkal AT	2800	alpine grassland		2018	C
166	<i>Erigeron chrysopsidis</i>	Asteraceae	cult				5-8 cm, yellow	2021	D
167	<i>Eriogonum allenii</i>	Polygonaceae	USA	ex CO, Denver			20 cm	2018	C

168	Eriogonum jamesii arculatum	Polygonaceae	USA	Mt Evans, CO		alpine grassland	prostrate cushions	2018	D
169	Eriogonum umbellatum Shasta yellow	Polygonaceae	USA	ex CO, Denver			more hairy cushions, yellow fls	2018	D
170	Eriogonum umbellatum subalpinum major	Polygonaceae	USA	BigHorn, WY		alpine grassland	prostrate cushions	2018	D
171	Eriophyllum lanatum	Asteraceae	USA	BigHorn, WY BaimaShan,		fine alpine scree	silver pl 10-20 cm, yellow fls	2020	D
172	Eriophyton wallichii	Lamiaceae	CHN	Yunnan	4500	alpine scree	densely hairy pl, 5-15 cm, white fls	2019	E
173	Eritrichium tianshanicum	Boraginaceae	KAZ	Trans-Ily Ala Tau	3400	alpine grassland	3 cm cushion, 8 cm stems, creamy fls	2019	E
174	Erysimum cf. drenowskyii	Brassicaceae	MAK	Galicica	2000	limestone crevices	15-20 cm yellow	2021	D
175	Erysimum pumilum	Brassicaceae	GRC	ex Taigetos		limestone crevices	5 cm, cushion, yellow	2021	D
176	Euphrasia chrysantha	Orobanchaceae	CHL	Lag. Teno	247	volcanic ash, lava	very large yellow fls	2019	D
177	Famatina maulensis	Amaryllidaceae	CHL	Lag. Teno	250	volcanic ash, lava	20 cm, red fls in rich umbells, endemic	2019	D
178	Frasera speciosa	Gentianaceae	USA	BigHorn, WY		alpine grassland	70-100 cm "gentian", white fls	2018	C
179	Fritillaria mesanensis	Liliaceae	HRV	Biok.	1600	limestone scree,	20 cm green-purple	2020	D
180	Fritillaria olgae	Liliaceae	TAJ	Artuch	2560	limestones scree	50 cm, creamy, purple margin	2017	D
181	Fritillaria persica	ex cult					80 cm, purple	2021	C
182	Fritillaria stenantha	ex KYR						2021	C
183	Galanthus plicatus v. plicatus	Amaryllidaceae	ex TUR	Abant	1500	open forest	bulb pl, 15 cm high, broad lvs, large white fls	2021	C
184	Galanthus plicatus v. plicatus	Amaryllidaceae	ex TUR	Mudurnu				2020	C
185	Galanthus plicatus v. plicatus	Amaryllidaceae	ex TUR	Yedigeler				2021	C
186	Gaultheria dolichopoda	Ericaceae	CHN	GalungLa, Tibet	3800	cold open slope	prostrate pl, 2 cm high, leather-like lanceolate lvs, 8 mm long, bright blue berries, 10-12 cm wide	2016	D
187	Gaultheria phyllyreifolia	Ericaceae	CHL	Shangrila	145	volcanic ash, lava	caespitose pl 15-20 cm	2019	D
188	Gaultheria pumila	Ericaceae	CHL	Lag. Teno	250	volcanic ash, lava	3-5 cm prostrate, white fls and fruits	2019	D
189	Genista depressa	Fabaceae	ex CRO	Velebit			prostrate shrub, 5-10 cm high, green branches, lanceolate lvs, 1-2 cm long, large yellow fls	2020	D
191	Genista depressa	Fabaceae	exITA	Apenins				2021	D
192	Genista depressa ssp. csikii	Fabaceae	SRB	Kopaonik	1800	alpine grassland	5-10 cm prostrate, yellow	2021	D
193	Genista horrida	Fabaceae	ex ESP				large cushion, 50-100 cm wide, grey/green spiny branches, yellow fls	2020	C
194	Genista lydia	Fabaceae	exTUR			limestone crevices	5 cm prostrate, yellow	2020	D
195	Genista subcapitata	Fabaceae	BGR	Pirin	2100	limestone crevices	5-10 cm, yellow	2021	D
196	Gentiana affinis	Gentianaceae	USA	BigHorn, WY		alpine grassland	10-20 cm , blue fls in umbells	2018	C
197	Gentiana algida	Gentianaceae	USA	BigHorn, WY		snow fields	white fls	2018	C
198	Gentiana asclepiadea	Gentianaceae	SRB	Kopaonik	1800	alpine grassland	20-40 cm, more compact	2021	D
199	Gentiana atuntsiensis	Gentianaceae	CHN	DaXueShan, Yunnan	4300	alpine grassland	caespitose pl, 20-30 cm high, lanceolate lvs, closed blue fls in whorls	2019	D
200	Gentiana atuntsiensis	Gentianaceae	CHN	BaimaShan, Yunnan	4400	limestone scree, grassland		2019	D
201	Gentiana bavarica v.subacaulis	Gentianaceae	AUT	H.Tauern	2700	alpine silicate scree	5 cm, blue	2020	E
202	Gentiana clusii v rochellii	Gentianaceae	SVK	Fatra		limestone crevices	10 cm blue	2021	D
203	Gentiana dinarica	Gentianaceae	MNEG	Komovi	1800	alpine grassland	5-10 cm	2021	D
204	Gentiana frigida	Gentianaceae	ROM	Bucegi	2500	alpine grassland	5 cm, white	2021	D
205	Gentiana kaufmanniana	Gentianaceae	KAZ	Trans-Ily Ala Tau	3300	alpine grassland	5-10 cm, large blue fls, 1-2 on stems	2019	D

206	<i>Gentiana kochiana</i>	Gentianaceae	SRB	Kopaonik	1800	alpine grassland	5-15 cm, larger form	2021	D
207	<i>Gentiana lutea</i>	Gentianaceae	HRV	Ucka	1300	limestone scree	1 m, yellow	2021	C
208	<i>Gentiana occidentalis</i>	Gentianaceae	ex ESP	Picos		limestone crevices	smaller than <i>G. acaulis</i>	2019	C
209	<i>Gentiana olivieri</i>	Gentianaceae	TAJ	Peter 1, Pamir	2500	limestones scree	15 cm, blue, xeric	2017	C
210	<i>Gentiana orbicularis</i>	Gentianaceae	ROM	Bucegi	2400	limestone scree	5 cm, pale blue, large wings caespitose pl, 15-20 cm high, ascendent stems, creamy	2021	E
212	<i>Gentiana straminea</i>	Gentianaceae	CHN	Rutok, Tibet	4100	mountain grassland	yellowish fls in terminal racemes	2016	B
213	<i>Campanula thyrsoidea</i>	Campanulaceae	SLO	Karavanke	1600	limestone scree	15-25 cm, white	2021	C
214	<i>Gentiana verna</i> var. <i>aestiva</i>	Gentianaceae	SRB	Kopaonik	1800	alpine grassland	10-15 cm, larger form	2021	D
215	<i>Geum triflorum</i>	Rosaceae	USA	BigHorn, WY		mountain grassland	15-20 cm	2018	C
216	<i>Gillia rubra</i>	Rubiaceae	USA	ex TX		prairie	ex Texas	2018	B
217	<i>Globularia spinosa</i>	Plantaginaceae	ex ESP				15 cm, blue	2021	C
218	<i>Goniolimon tataricum</i>	Plumbaginaceae	MAK	Klepa	1900	dry alpine grassland	15-20 cm, rose	2021	D
219	<i>Gunnera magellanica</i>	Gunneraceae	CHL	Chillan	176	volcanic ash, lava	5-15 cm, red frts compact green cushions, 15 cm wide, linear juicy lvs, white or	2019	D
220	<i>Gypsophila tenuifolia</i>	Caryophyllaceae	ex RUS	W. Caucasus	2100	limestone crevices	pinkish fls on ascendent stems	2021	C
221	<i>Haplopappus glutinosus</i>	Asteraceae	CHL	Lag. Teno	247	volcanic ash, lava	prostrate cushions	2019	D
222	<i>Haplopappus glutinosus</i>	Asteraceae	CHL	Lagunillas	237	volcanic ash, lava		2019	D
223	<i>Haplopappus paucidentatus</i>	Asteraceae	CHL	Lagunillas	240	volcanic ash, lava	10 cm yellow	2019	D
224	<i>Hymenoxys acaulis</i>	Asteraceae	USA	BigHorn, WY		mountain steppe	silver rosettes	2018	D
225	<i>Hymenoxys grandiflora</i>	Asteraceae	USA	BigHorn, WY		alpine grassland	10-20 cm, 7 cm capituli	2018	D
226	<i>Hypericum cerastoides</i>	Hypericaceae	exBGR	Rhodops			10 cm yellow	2021	B
227	<i>Hypochoeris tenuifolia</i>	Asteraceae	CHL	La Parva	289	volcanic ash, lava	10-20 cm, large yellow fls	2019	C
228	<i>Hypochoeris tenuifolia</i>	Asteraceae	CHL	Lag. Maule	220	volcanic ash, lava		2019	C
229	<i>Incarvillea younghusbandii</i>	Bignomiaceae	ex CHN				5 cm, rose Rhizomatic pl 20-40 cm high, 2 cm wide lvs, large pale blue fls,	2021	E
230	<i>Iris albertii</i>	Iridaceae	KYR	ex Talas AT Zhongdian,	1600	dry mountain steppe	yellow anther brushes	2021	C
231	<i>Iris bulleyana</i>	Iridaceae	CHN	NapaHai, Yunnan DaXueShan,	3700	mountain grassland	40 cm dark blue	2019	C
232	<i>Iris chrysographes</i>	Iridaceae	CHN	Yunnan	4000	alpine grassland	40 cm, dark blue	2019	C
233	<i>Iris greberiana</i>	Iridaceae	ex KYR	Arslanbob			20 cm pale blue	2021	D
234	<i>Iris halophila</i>	Iridaceae	exKAZ				rhizomatic pl 30 cm high, pale blue fls	2021	B
235	<i>Iris illyrica</i>	Iridaceae	ex CRO	Velebit			rhizomatic pl, 30 cm high, pale blue fls	2021	C
236	<i>Iris imbricata</i>	Iridaceae	ex AZE				40 cm, pale yellow	2021	C
237	<i>Iris junonia</i>	Iridaceae	ex TUR	ex Kupe Dag			rhizomatic pl, 30 cm high, yellow - blue fls sect. <i>Regelia</i> , rhizomatic pl, 20 cm high, creamy fls with brown	2021	C
238	<i>Iris korolkowii</i>	Iridaceae	TAJ	Mogian, Hissar	2400		nerves	2017	D
239	<i>Iris missouriensis</i>	Iridaceae	USA	BigHorn, WY		mountain steppe	20-40 cm	2018	D
240	<i>Iris pallida</i>	Iridaceae	MAK	Galicica	1600	dry steppe	40-50 cm, pale blue	2021	C
241	<i>Iris purpureobracteata</i>	Iridaceae	ex TUR	Honaz Dag			rhizomatic pl, 20 cm high, purple bracts, yellow fls	2021	C
242	<i>Iris reichenbachii</i>	Iridaceae	ex BGR	Ali Botus			20 cm yellow	2021	C
243	<i>Iris ruthenica</i>	Iridaceae	KYR	Chatkal AT	1900	subalpine shrubland	Shortly rhizomatic pl, 15 cm high, green narrow linear lvs, pale blue fls	2018	D

244	<i>Iris schachtii</i>	Iridaceae	ex TUR				dirty yellow fls	2020	C
245	<i>Iris sintenisii</i>	Iridaceae	ex TUR	Abant			small rhizomatic pl, 20 cm high, narrow linear lvs, dark blue fls	2021	C
246	<i>Iris sogdiana</i>	Iridaceae	ex KAZ	Ketmen	2600	alpine grassland	rhizomatic pl, 30-50 cm high, linear erect lvs, 1 cm wide, pale blue fls	2021	A
247	<i>Iris sogdiana</i>	Iridaceae	ex KAZ				pale blue	2021	A
248	<i>Iris taochia</i>	Iridaceae	ex TUR				20 cm purple	2021	C
249	<i>Iris vicaria</i>	Iridaceae	ex TAJ	Romit	1600		Juno, white fls	2021	D
250	<i>Jurinea micevskyi</i>	Asteraceae	MAK	Galicica	2300	limestone scree	10 cm, rose, endem	2021	E
251	<i>Lagochillus platyacanthus</i>	Lamiaceae	KYR	Kungei AT	1950	rocky dry steppe	Xeric prostrate subshrub10-20 cm wide, small trifoliate lvs, spiny pedicels, pink fls in short racemes	2018	E
252	<i>Lamium garganicum</i>	Lamiaceae	ex TUR				caespitose pl 10 cm, rose fls	2021	C
253	<i>Lathyrus subandinus</i>	Fabaceae	CHL	Shangrila	143	Nothofagus shrubland	20-50 cm, rose fls	2019	C
254	<i>Leontopodium alpinum</i>	Asteraceae	ITA	Dolomites	2200	limestone crevices		2020	D
255	<i>Leontopodium alpinum</i>	Asteraceae	SLO	Julian A BaimaShan,	2100	limestone crevices	10-13 cm	2021	D
256	<i>Leontopodium calocephalum</i>	Asteraceae	CHN	Yunnan	4300	limestone scree, grassland	20-30 cm, star-like large infl	2019	D
257	<i>Leontopodium forrestianum</i>	Asteraceae	CHN	GalungLa, Tibet	3800	alpine scree	caespitose slender pl, 3-5 cm high, short tomentose lvs, 1-3 brown capituli, small white tomentose bracts or absent	2016	C
258	<i>Leontopodium nivale</i>	Asteraceae	BGR	Pirin	2400	limestone crevices	5 cm	2021	E
259	<i>Leontopodium ochroleucum nanum</i>	Asteraceae	KAZ	Trans-Ily Ala Tau	3300	alpine grassland	high alpine form of L ochroleucum described as L. nanum, 5 cm	2019	D
260	<i>Leucojum vernum Klara</i>	Amarillidaceae	CZE				tepals skirt-like, flaring	2021	D
261	<i>Leucojum vernum Spacy tep.</i>						tepals narrow, spacy	2021	D
262	<i>Leucojum vernum Twin</i>	Amarillidaceae	CZE				twin fasciation	2021	D
263	<i>Lilium albanicum</i>	Liliaceae	MNEG	Komovi	2000	limestone scree	20-30 cm, yellow	2021	E
264	<i>Lilium chalcedonicum</i>	Liliaceae	MNEG	Komovi	1850	limestone scree	60 cm, orange	2021	D
265	<i>Lilium martagon v. album</i>	Liliaceae	ex cult.				white form L. martagon	2021	D
266	<i>Lilium martagon v. cattaniae</i>	Liliaceae	exMtNeg					2021	D
267	<i>Linum capitatum</i>	Linaceae	MNEG	Komovi	1800	limestone scree	15-20 cm, yellow	2021	D
268	<i>Linum capitatum</i>	Linaceae	BGR	Pirin	2200	limestone scree	15-20 cm, yellow	2021	D
269	<i>Linum flavum</i>	Linaceae	MAK	Galicica	1850	limestone scree	15-20 cm, yellow	2021	D
270	<i>Linum hirsutum ssp. spathulatum</i>	Linaceae	MAK	Galicica	2000	limestone crevices	10-15 cm, blue	2021	D
271	<i>Loasa filicifolia</i>	Loasaceae	CHL	Chillan	185	volcanic ash, lava	10-30 cm, white fls	2019	D
272	<i>Loasa filicifolia</i>	Loasaceae	CHL	Lag. Teno	247	volcanic ash, lava		2019	D
273	<i>Lupinus microcarpus</i>	Fabaceae	CHL	Lagunillas	230	volcanic ash, lava	20 cm	2019	C
274	<i>Machaeranthera colradensis/Aster</i>	Asteraceae	ex USA				caespitose pl, 10-15 cm high, rose fls	2020	B
275	<i>Maihuenia poeppigii</i>	Cactaceae	CHL	Lag. Laja	140	volcanic ash, lava	prostrate spiny cushions 20-100 cm wide, yellow fls	2019	D
276	<i>Maihuenia poeppigii</i>	Cactaceae	CHL	Shangrila BaimaShan,	152	volcanic ash, lava		2019	D
277	<i>Meconopsis horridula</i>	Papaveraceae	CHN	Yunnan DaXueShan,	4500	limestone scree, grassland	5-15 cm, blue or rose fls	2019	D
278	<i>Meconopsis integrifolia</i>	Papaveraceae	CHN	Yunnan	4400	alpine grassland	30-40 cm, yellow fls	2019	D
279	<i>Meconopsis speciosa</i>	Papaveraceae	CHN	GalungLa, Tibet	3900	rocky alpine slope	caespitose pl, 15-30 cm high, lanceolate ciliate lobate lvs, 7-12 cm long, seberal pale blue fls in terminal racemes	2016	D
280	<i>Melosperma andicola</i>	Plantaginaceae	CHL	Lagunillas	246	volcanic ash, lava	15 cm	2019	D

281	<i>Mertensia paniculata</i>	Boraginaceae	USA	BigHorn, WY		wet scree	30-40 cm decorative perennial, blue fls	2018	C
282	<i>Mimulus luteus</i>	Phrymaceae	CHL	Chillan	180	along streams	10-30 cm, yellow to red fls	2019	C
283	<i>Minuartia parnassica</i>	Caryophyllaceae	ex GRC				large compact cushions, 20-50 cm wide, white sessile fls	2021	B
284	<i>Minuartia recurva</i>	Caryophyllaceae	ROM	Bucegi	2200	sandy scree	5 cm, white	2021	C
285	<i>Minuartia stellata</i>	Caryophyllaceae	ex GRC				large cushions, 30-70 cm wide, white sessile fls	2021	A
						dry limestone crevices			
286	<i>Moltkaea petraea</i>	Boraginaceae	HRV	Biok.			15-20 cm subshrubs, sky blue fls	2020	D
287	<i>Monardella marantha</i> Marian Sampson	Lamiaceae	USA	ex CO, Denver			20 cm', purple-blue fls	2018	C
288	<i>Montiopsis gayana</i>	Montiaceae	CHL	Lag. Teno	246	volcanic ash, lava	5-10 cm, prominent dark rose fls	2019	D
289	<i>Montiopsis sericea</i>	Montiaceae	CHL	Lagunillas	235	volcanic ash, lava	5-15 cm, hairy, prominent dark rose fls	2019	D
290	<i>Montiopsis umbellata</i>	Montiaceae	CHL	Lag. Teno	246	volcanic ash, lava	5-15 cm, prominent dark rose fls	2019	D
291	<i>Mulinum echinus</i>	Apiaceae	CHL	Lag. Laja	153	volcanic ash, lava	large cushions, 20-60 cm wide	2019	C
292	<i>Muscari massayanum</i>	Liliaceae	ex TUR	Artvin			bulb pl, 10-30 cm high, blue/yellow bicolor fls in racemes	2021	B
293	<i>Mutisia oligodon</i>	Asteraceae	CHL	Lag. Laja	140	volcanic ash, lava	low subshrub 20-50 cm, prominent pink fls	2019	E
							herbaceous vine, 1-2 m high, ovate lvs with supporting appendages, violet ray fls, yellow tubular fls in capituli, 5 cm	2020	D
294	<i>Mutisia spinosa</i>	Asteraceae	ex ARG						
295	<i>Myrteola nummularia</i>	Myrtaceae	CHL	Shangrila	152	volcanic ash, lava	30 cm	2019	E
296	<i>Nassauvia glomerata</i>	Asteraceae	CHL	Lag. Teno	250	volcanic ash, lava	prostrate cushions 10-30 cm wide, white fls	2019	D
297	<i>Nassauvia revoluta</i>	Asteraceae	ARG	P. Pehuenche	255	volcanic ash, lava	caespitose pl 10 cm	2019	E
298	<i>Nastanthus ventosus</i>	Calycerace	CHL	Lag. Teno	247	volcanic ash, lava	cauliflower-like sessile umbells, 10-15 cm	2019	D
299	<i>Nolina greenei</i>	Asparagaceae	USA	ex NM		Pinyon Pine	ne New Mexico	2018	C
						mountain rocky steppe	Xeric rounded subshrub 20-40 cm wide, dark green spatulate lvs		
300	<i>Olgaea nidularis</i>	Lamiaceae	KYR	Fergana Ridge	1800		2-4 cm long, white bracts, white fls, odoriferous	2018	C
301	<i>Olsynium junceum</i> ssp. <i>colchaguense</i>	Iridaceae	ARG	P. Pehuenche	255	volcanic ash, lava	creamy fls	2019	D
302	<i>Olsynium junceum</i> ssp. <i>junceum</i>	Iridaceae	CHL	Lag. Teno	250	volcanic ash, lava	creamy fls	2019	D
303	<i>Olsynium obscurum/frigidum</i>	Iridaceae	CHL	Lag. Maule	255	volcanic ash, lava	tiny <i>Sisyrinchium</i>	2019	D
							caespitose pl, 10-15 cm high, ovate lvs, 3-5 cm long, large violet		
304	<i>Omphalogramma delavayi</i>	Primulaceae	CHN	CangShan, Yunnan	4200	alpine grassland	fls 3-4 cm long, petals dentate	2019	E
						alpine grassland	caespitose pl, 10-15 cm high, ovate lvs, 5-12 cm long, solitary		
305	<i>Omphalogramma tibeticum</i>	Primulaceae	CHN	GalungLa, Tibet	3800	and shrubland	large rose-purple fls, 2 cm wide	2016	E
306	<i>Onosma nanum</i>	Boraginaceae	ex TUR				caespitose pl, 15-20 cm high, white fls	2021	A
307	<i>Oreopolus glacialis</i>	Rubiaceae	CHL	Lag. Laja	145	volcanic ash, lava	compact cushion, 10-40 cm wide, yellow sessile star-like fls	2019	F
308	<i>Oreopolus glacialis</i>	Rubiaceae	ARG	P. Pehuenche*	220	volcanic ash, lava		2019	F
309	<i>Orites myrtoidea</i>	Proteaceae	CHL	Shangrila	154	volcanic ash, lava		2019	E
310	<i>Oxygraphis glacialis</i>	Ranunculaceae	KAZ	Trans-Ily Ala Tau	3300	alpine scree	prostrate pl 5 cm, yellow fls	2019	D
311	<i>Oxytropis chionobia</i>	Fabaceae	KAZ	Trans-Ily Ala Tau	3500	alpine grassland	prostrate silver cushions, bluish purple sessile fls	2019	D
312	<i>Oxytropis dinarica</i>	Fabaceae	MNEG	Komovi	2200	alpine grassland	10 cm pink	2021	D
313	<i>Oxytropis dinarica</i> / <i>urumovii</i>	Fabaceae	MAK	Galicica	2400	alpine grassland	10 cm, pink	2021	D
314	<i>Paederota bonarota</i>	Scrophulariaceae	ITA	Tremalzo	1800	limestone crevices	10 cm, blue	2020	C
315	<i>Paederota bonarota</i>	Scrophulariaceae	ITA	Dolomites	2200	limestone crevices	10 cm, blue	2020	C
316	<i>Paeonia kavachensis</i>	Paeoniaceae	exTUR				50 cm rose	2020	D
318	<i>Paeonia mascula</i>	Paeoniaceae	ex TUR	Kupe D.			50 cm rose fls	2020	D
319	<i>Paeonia mlokosewitschii</i>	Paeoniaceae	cult				50 cm, pale yellow	2020	D
320	<i>Paeonia ruprechtiana</i>	Paeoniaceae	ex cult				40 cm, dark rose	2021	C

321	<i>Papaver corona-sancti-stephani</i>	Papaveraceae	ROM	Bucegi	2400	limestone scree	10-15 cm, yellow	2021	D
322	<i>Papaver croceum</i>	Papaveraceae	KAZ	Trans-Ily Ala Tau	3300	alpine scree	caespitose pl, 10-20 cm high, yellow fls	2019	B
323	<i>Paraquilegia grandiflora</i>	Ranunculaceae	KAZ	Trans-Ily Ala Tau	3450	alpine crevices	5-15 cm, bluish white fls	2019	E
324	<i>Paronychia pulvinata</i>	Caryophyllaceae	USA	Lovelans,CO		alpine crevices	cushions	2018	D
325	<i>Penstemon caryie</i>	Scrophulariaceae	USA	BigHorn, WY		mountain steppe	10 -20 cm, blue-purple fls	2018	D
326	<i>Penstemon cyananthus</i>	Scrophulariaceae	USA	Tetonex WY		alpine grassland	15 cm, blue-purple fls	2018	D
327	<i>Penstemon glaber</i>	Scrophulariaceae	USA	BigHorn, WY		mountain steppe	15-20 cm, blue-purple fls	2018	D
				Horseshoe Mts, WY		alpine limestone scree			
328	<i>Penstemon hallii</i>	Scrophulariaceae	USA				15 cm, blue fls	2021	D
329	<i>Penstemon penlandii</i>	Scrophulariaceae	ex USA	ex WY			10 cm, pale blue	2021	E
330	<i>Penstemon procerus</i>	Scrophulariaceae	USA	BigHorn, WY		alpine grassland	10-20 cm, blue-purple fls	2021	D
331	<i>Penstemon rostriflorus</i>	Scrophulariaceae	USA	ex CO			ex sw USA Pinyon Juni, red fls	2018	C
332	<i>Penstemon strictus</i>	Scrophulariaceae	USA	ex CO			30 cm,	2018	C
333	<i>Phacelia sericea</i>	Lamiaceae	USA	Steamboat, CO		steppe	20-40 cm, lilac fls in dense racemes	2018	C
334	<i>Physoplexis comosa</i>	Campanulaceae	ITA	Tremalzo	1850	limestone crevices	10-15 cm, blue	2020	E
335	<i>Phyteuma globulariifolium</i>	Campanulaceae	AUT	H.Tauern	2700	alpine grassland	3-5 cm, blue	2020	E
336	<i>Polemonium delicatum</i>	Polemoniaceae	USA	ex WY		alpine scree	15 cm, prominent pink fls	2018	D
337	<i>Polemonium viscosum</i>	Polemoniaceae	USA	Loveland, CO		alpine grassland	15-20 cm, prominent blue fls	2018	D
338	<i>Potentilla apennina</i>	Rosaceae	BGR	Pirin	2200	limestone crevices	10 cm, pink	2021	D
							large rounded hard cushions, 10-30 cm high, hard pinnate linear lvs, 10-15 mm long, yellow sessile fls		
339	<i>Potentilla biflora v. tsarongensis</i>	Rosaceae	CHN	MiLa, Tibet	4900	alpine screes		2016	D
340	<i>Potentilla clusiana</i>	Rosaceae	MNEG	Komovi	2200	limestone crevices	10 cm creamy	2021	D
341	<i>Potentilla nitida</i>	Rosaceae	ITA	Dolomites	2200	limestone crevices	5-10 cm rose	2020	D
							prostrate cushion 5 cm high, white tomentose lvs, prostrate stems, rose fls		
342	<i>Potentilla porphyrantha</i>	Rosaceae	ex ARM	Nagorny Karabakh	2000	limestone crevices		2019	C
343	<i>Potentilla speciosa</i>	Rosaceae	MAK	Galicica	2000	limestone crevices	15 cm, white tomentose, pale yellow fls	2021	D
344	<i>Pozoa coriacea</i>	Apiaceae	CHL	La Parva	289	volcanic ash, lava	prostrate pl 5 cm, green yellow fls	2019	D
345	<i>Pozoa coriacea</i>	Apiaceae	CHL	Lag. Maule	215	volcanic ash, lava		2019	D
346	<i>Pozoa coriacea</i>	Apiaceae	CHL	Lanin	145	volcanic ash, lava		2019	D
347	<i>Pozoa volcanica</i>	Apiaceae	CHL	Lag. Teno	246	volcanic ash, lava	caespitose pl 10-15 cm, green yellow fls	2019	D
							caespitose pl, 20-30 cm high, lanceolate crenate lvs, 10-13 cm long, several large rose fls in umbells		
348	<i>Primula agleniana</i>	Primulaceae	CHN	GalungLa, Tibet	3900	alpine rocky slopes		2016	C
349	<i>Primula algida</i>	Primulaceae	KAZ	Trans-Ily Ala Tau	3300	alpine grassland	caespitose pl 10 cm, pink fls	2019	D
350	<i>Primula alpicola</i>	Primulaceae	CHN	GalungLa, Tibet	3600	alpine grassland	caespitose pl 20-40 cm, creamy fls	2016	C
351	<i>Primula alpicola v. luna</i>	Primulaceae	CHN	SerkymLa, Tibet	4900	alpine meadow	smaller then P. alpicola	2016	C
352	<i>Primula auricula</i>	Primulaceae	SVK	Fatra	1600	limestone crevices	10 cm yellow	2021	C
				BaimaShan, Yunnan		cold scree in the highest altitudes			
353	<i>Primula dryadifolia</i>	Primulaceae	CHN		4500		5-12 cm, rose fls	2019	D
							giant caespitose Primula, 40-80 cm high, large oblong lvs, large yellow fls in 1-3 umbells		
354	<i>Primula florindae</i>	Primulaceae	CHN	Lulang, Tibet	3300	boggy meadows		2016	C
				YulongShan, Yunnan		forest limestone outcrops			
355	<i>Primula forrestii</i>	Primulaceae	CHN		3300		20 cm, yellow	2019	D
356	<i>Primula halleri</i>	Primulaceae	BGR	Pirin	2400	alpine grassland	10-15 cm, rose	2021	D
						sheltered under boulders	caespitose pl, 10-15 cm high, soft green hairy rounded dentate lvs, large rose fls, yellow throat in umbells		
357	<i>Primula minkwitziae</i>	Primulaceae	TAJ	Artuch, Zeravshan	3400			2017	D

358	<i>Primula morsheadiana/prenantha</i>	Primulaceae	CHN	GalungLa, Tibet	3900	cold rocky slopes	caespitose pl, 15-20 cm high, green oblong serrate lvs, 5-10 cm long, yellow fls in umbells	2016	C
359	<i>Primula muscarioides</i>	Primulaceae	CHN	GalungLa, Tibet	3700	fine scree lake banks, mineral	prostrate rosettes, 3-5 cm wide, small serrate lvs, dark purple farinose fls in dens umbells	2016	C
360	<i>Primula nivalis</i>	Primulaceae	KAZ	Trans-Ily Ala Tau	2550	wet scree	large pl 30-50 cm, not farinose lvs, rose fls	2019	D
361	<i>Primula pamirica</i>	Primulaceae	TAJ	Khomburabad, Darvas	3300	alpine meadow and snow field	caespitose pl, 5-12 cm high, small rosette, spatulate green lvs, 2-3 cm long, rose fls in terminal umbells	2017	D
362	<i>Primula secundiflora</i>	Primulaceae	CHN	Zhongdian, NapaHai, Yunnan	3600	mountain grassland	caespitose larger pl, 30 cm high, linear lanceolate lvs 12 cm long, purple nodding fls in rich umbells	2019	D
363	<i>Primula sikkimensis</i>	Primulaceae	CHN	BaimaShan, Yunnan	4300	limestone scree, grassland	caespitose pl, 20-40 cm high, pale green oblong lvs, 10-13 cm long, yellow fls in umbells	2019	D
364	<i>Primula sinopurpurea</i>	Primulaceae	CHN	DaXueShan, Yunnan	4300	alpine grassland	caespitose pl, 40 cm high, rose fls in umbells	2019	D
365	<i>Primula sinopurpurea</i>	Primulaceae	CHN	Zhongdian, NapaHai, Yunnan	3600	mountain grassland		2019	D
366	<i>Primula spectabilis</i>	Primulaceae	ITA	Tremalzo	1800	limestones scree	10 cm rose	2020	D
367	<i>Primula tsariensis</i>	Primulaceae	CHN	GalungLa, Tibet	3900	alpine grassland	caespitose pl, 12-20 cm high, rough serrate lvs, 5-12 cm long, prominent large red-purple fls	2016	C
368	<i>Primula turkestanica</i>	Primulaceae	KAZ	Trans-Ily Ala Tau	3400	alpine wet scree	aff. <i>P. nivalis</i> , 20-30 cm, farinose lvs, rose fls	2019	D
369	<i>Primula zambalensis</i>	Primulaceae	CHN	BaimaShan, Yunnan	4300	wet scree, boggy grassland	small compact pl 5-12 cm, rose fls	2019	D
370	<i>Pterocephalus parnassii</i>	Dipsacaceae	ex GRC				prostrate pl 5-10 cm high entire lvs, lilac fls	2021	D
371	<i>Pterocephalus pinnardii</i>	Dipsacaceae	ex TUR	Ala Dag			prostrate pl, 5 cm high, 10-20 cm wide, grey pinnatifide lvs, lilac fls	2021	D
373	<i>Pulsatilla albana</i>	Ranunculaceae	ex RUS	Caucasus			caespitose pl, 15-20 cm high, pinnatisect lvs, white to purple fls	2021	C
374	<i>Pulsatilla armena</i>	Ranunculaceae	ex TUR				dark blue	2021	C
375	<i>Pulsatilla armena</i>	Ranunculaceae	ex TUR				whitish	2021	C
376	<i>Pulsatilla campanella</i>	Ranunculaceae	KAZ	Trans-Ily Ala Tau	2700	alpine grassland	caespitose pl, 15-20 cm high, finely incised lvs, linear lobbes, dirthy bluish-grey fls	2019	C
377	<i>Pulsatilla flavescens</i>	Ranunculaceae	ex RUS	Altai		alpine grassland	<i>P. patens</i> group, 20 cm, larger lvs, yelow fls	2021	D
378	<i>Pulsatilla grandis</i>	Ranunculaceae	ex CZE	Brno			15 cm, lilac	2021	C
379	<i>Pulsatilla nuttallii</i>	Ranunculaceae	ex RUS	Kamchatka			15 cm blue	2021	C
380	<i>Pulsatilla subslavica</i>	Ranunculaceae	ex SVK	Muran			20 cm, lilac	2021	C
381	<i>Pulsatilla vernalis</i>	Ranunculaceae	MtNeg	Komovi			15 cm, lilac	2020	D
382	<i>Pulsatilla albana fl pl</i>	Ranunculaceae	ex cult				15 cm yellow	2021	C
383	<i>Pyrethrum karelinii</i>	Asteraceae	KAZ	Trans-Ily Ala Tau	3400	alpine grassland	large daisy, 15-20 cm, very large fls	2019	D
384	<i>Pyrethrum pyrethroides</i>	Asteraceae	KAZ	Trans-Ily Ala Tau	3400	alpine scree	prostrate silver mat, white fls	2019	D
385	<i>Pyrethrum tatsiense</i>	Primulaceae	CHN	BaimaShan, Yunnan	4300	alpine acidic grassland	5-20 cm, green lvs, yellow fls	2019	D
386	<i>Quinchamalium chilense</i>	Santalaceae	CHL	Lag. Teno	247	volcanic ash, lava	prostate stems with warm yellow umbells	2019	D
387	<i>Rhamnus microcarpa</i>	Rhamnaceae	ex RUS	Caucasus, Mt. Fisht			dwarf shrub, appressed to rocks, 10 cm high, broadly ovate lvs, 4-6 cm long, black berries, 4 mm wide	2021	C
388	<i>Rheum delavayi</i>	Polygonaceae	CHN	DaXueShan, Yunnan	4400	alpine grassland	10 cm	2019	D
389	<i>Rhodiola atuntsiensis</i>	Crassulaceae	CHN	DaXueShan,	4400	alpine grassland	caespitose pl, 15 cm high, stems with linear lvs, 2 cm long,	2019	C

				Yunnan			terminal cymes of yellow fls, red fruits		
390	Rhodiola coccinea	Crassulaceae	KAZ	Trans-Ily Ala Tau	3400	alpine scree	woody base, sprouts 10-15 cm, red frts	2019	D
391	Rhodiola integrifolia	Crassulaceae	USA	Mt Evans, CO		alpine grassland	15-20cm, grey lvs, pink fls	2018	C
392	Rhodiola rhodantha/Clementsia	Crassulaceae	USA	Mt. Evans, CO		alpine grassland	15 cm, rose fls	2018	C
393	Rhododendron cephalanthum	Ericaceae	CHN	BaimaShan, Yunnan	4400	limestone scree, grassland	small shrub 15-25 cm, white fls	2019	D
394	Rhododendron cephalanthum	Ericaceae	CHN	DaXueShan, Yunnan	4680	alpine grassland		2019	D
395	Rhododendron chamaethomsonii	Ericaceae	CHN	GalungLa, Tibet	3800	cold rocky slopes	prostrate shrub, 10-20 cm high, like R.forrestii, ovate lvs, 4-8 cm long, prominent red fls	2016	D
396	Rhododendron kotschyi	Ericaceae	ROM	Bucegi	2300	alpine grassland	15-20 cm, rose	2021	D
397	Rhodophiala araucana	Amaryllidaceae	CHL	Lag. Laja	155	volcanic ash, lava	15 cm,	2019	E
398	Rhodophiala montana	Amaryllidaceae	CHL	Lag. Maule	230	volcanic ash, lava	20 cm, yellow fls	2019	D
399	Rhodothamnus chamaecistus	Ericaceae	ITA	Dolomites	2180	limestone crevices	15 cm, pink	2020	D
400	Roscoea tibetica	Zingiberaceae	CHN	ex Zhongdian, Yunnan	3500	mountain grassland	small rhizomatic pl, 5-10 cm high, prostrate lvs, sessile purple red fls	2021	C
401	Salvia canescens	Lamiaceae	ex RUS	Balkaria, Caucasus			silver pl 20 cm	2021	C
402	Saponaria pumila	Caryophyllaceae	AUT	H.Tauern	2650	silicate scree	5 cm, rose	2020	D
403	Sarracenia purpurea	Sarraceniaceae	cult				15 cm purple	2020	D
404	Saussurea leucophylla	Asteraceae	KAZ	Trans-Ily Ala Tau	3400	alpine grassland	caespitose pl, 15 cm high, linear lvs, 5 cm long, lilac fls in solitary large capituli	2019	D
405	Saussurea obvallata	Asteraceae	CHN	SerkymLa, Tibet	4500		caespitose pl, 20-50 cm high, lanceolate serrate lvs, infls covered by white yellowish large bracts	2016	D
406	Saussurea superba	Asteraceae	CHN	DaXueShan, Yunnan	4400	alpine grassland	prostrate rosette, 1 sessile capitula	2019	D
407	Saxifraga albertii	Saxifragaceae	KYR	E Kyrgyz AT	3500	overhangs, limestone crevices	sect. Porophyllum, compact cushions, 5-20 cm wide, ovate lvs, creamy white fls, rounded obovate petals,	2018	D
408	Saxifraga albertii	Saxifragaceae	KYR	Chatkal AT	2050	overhangs, limestone crevices	different local form, could be a separate sp.	2018	D
409	Saxifraga aristulata	Saxifragaceae	CHN	DaXueShan, Yunnan	4400	alpine grassland	sect Ciliatae, 5 cm, linear lvs, yellow fls	2019	D
410	Saxifraga biflora	Saxifragaceae	AUT	H.Tauern	2860	silicate scree	3 cm, purple	2020	D
411	Saxifraga caesia	Saxifragaceae	ITA	Tremalzo	1800	limestone crevices	5 cm white	2020	D
412	Saxifraga cebenensis	Saxifragaceae	exFRA				5 cm white	2021	C
413	Saxifraga crustata minor	Saxifragaceae	exSVN	Kamnik Alps			small form	2021	C
414	Saxifraga ferdinandi-coburgii	Saxifragaceae	BGR	Pirin	2200	limestone crevices	10 cm, yellow	2021	D
415	Saxifraga luteo-viridis	Saxifragaceae	BGR	Pirin	2300	limestone crevices	5-8 cm, yellow	2021	D
416	Saxifraga marginata	Saxifragaceae	MAK	Komovi	1900	limestone crevices	10 cm, white	2021	D
417	Saxifraga oppositifolia	Saxifragaceae	ROM	Bucegi	2300	limestone crevices	3-5 cm, rose, very large fls	2021	D
418	Saxifraga rudolphiana	Saxifragaceae	AUT	H.Tauern	2700	silicate scree	1-2 cm, purple	2020	F
419	Saxifraga scardica	Saxifragaceae	MAK	Galicica	2300	limestone crevices	10-13 cm, creamy	2021	D
420	Saxifraga sempervivum	Saxifragaceae	SRB	Kopaonik	1800	limestone crevices	10-13 cm, purple carmine	2021	D
421	Saxifraga sinomontana	Saxifragaceae	CHN	Lulang, Tibet	3400	mountain bog	sect Ciliatae, 10-15 cm, linear lvs, yell fls	2016	C
422	Saxifraga sprunerii	Saxifragaceae	BGR	Pirin	2400	limestone crevices	10 cm creamy	2021	D

423	<i>Saxifraga squarrosa</i>	Saxifragaceae	ITA	Dolomites	2200	limestone crevices	sect. Porophyllum, silver rosette, 2-3 cm wide, purple fls in terminal racemes on stems, 10 cm long	2020	E
424	<i>Saxifraga stribrnyi</i>	Saxifragaceae	ex BUL	Rodopi				2021	D
425	<i>Schizanthus grahamii</i>	Solanaceae	CHL	Lag. Teno	246	volcanic ash, lava		2019	D
426	<i>Schizanthus hookeri</i>	Solanaceae	ARG	P. Pehuenche	210	volcanic ash, lava		2019	D
427	<i>Scutellaria przewalskyi</i>	Lamiaceae	KYR	Moldo Tau	2800	alpine scree	prostrate pl 10-30 cm wide, ovate deeply incised lvs, pale yellow fls wit purple blotch	2020	C
428	<i>Scutellaria suffruticosa</i> 'Texas Rose'	Lamiaceae	cult	USA			caespitose pl, 10-15 cm high, ovate lvs, 10-15 mm long, prominent red fls in autumn	2019	C
429	<i>Sempervivum ciliosum</i> var. <i>galicicum</i>	Crasulaceae	MAK	Galicica	2000	limestone crevices	5-10 cm rose	2021	D
430	<i>Sempervivum ciliosum/klepa</i>	Crasulaceae	MAK	Klepa	900	limestone crevices	5-10 cm, rose	2021	D
431	<i>Sempervivum</i> sp.	Saxifragaceae	BGR	Pirin	2400	limestone crevices	10 cm	2021	D
432	<i>Senecio aurantiacus</i>	Asteraceae	ROM	Bucegi	2300	alpine grassland	10-15 cm, white hairy, orange	2021	D
433	<i>Senecio chilensis</i>	Asteraceae	CHL	Lag. Laja	138	volcanic ash, lava	10-15 cm, yellow	2021	D
434	<i>Senecio incanus</i>	Asteraceae	AUT	H.Tauern	2650	alpine grassland		2020	D
435	<i>Senecio leucophyton</i>	Asteraceae	CHL	Lanin	150	volcanic ash, lava	white tomentose cushions, yellow fls	2019	D
436	<i>Siewersia reptans</i>	Geraniaceae	ROM	Bucegi	2500	alpine silicate scree	10-15 cm, yellow	2021	D
437	<i>Silene falcata</i>	Caryophyllaceae	ex TUR	Ulu Dag	2000	limestone scree	prostrate mats, 5-15 cm wide, falcate linear green lvs, 2 cm long, solitary white fls on 6 - 12 cm stems, black capsule	2019	C
438	<i>Silene macrantha</i>	Caryophyllaceae	MNEG	Komovi	1900	limestone crevices	10 cm, rose	2021	C
439	<i>Silene schafta</i>	Caryophyllaceae	ex cult				caespitose pl 10-15 cm high, rose fls, flowering in summer to frosts	2021	B
440	<i>Sinocrassula</i> cf. <i>densirosulata</i>	Crassulaceae	CHN	Lhasa, Tibet CangShan,	3700	cold shady rock walls	compact ground rosettes, triangular fleshy lvs, 15-20 mm long, white fls in terminal cymes on stems, 10 cm long	2016	D
441	<i>Sinocrassula indica</i>	Crassulaceae	CHN	Yunnan	2600	rock crevices	succulent plant 15 cm	2019	C
442	<i>Sisyrinchium arenarium</i>	Iridaceae	CHL	Lagunillas	237	volcanic ash, lava	pale yellow fls	2019	D
443	<i>Sisyrinchium macrocarpum</i>	Iridaceae	ex ARG	Del Monte BaimaShan,			dark yellow fls	2021	B
444	<i>Solmslaubachia linearifolia</i>	Brassicaceae	CHN	Yunnan	4400	limestone scree, grassland	3-5 cm, pink fls, large linear siliques	2019	D
445	<i>Stachys inflata</i>	Lamiaceae	ex Iran	Elborz, Baladeh Zhongdian,	1600	mountain steppe	caespitose pl, 20 cm high, white hairy ovate lvs 10-20 mm, pink fls in terminal racemes	2021	A
446	<i>Stellera chamaejasme</i> v. <i>chrysantha</i>	Thymeleaceae	CHN	Yunnan	3300	mountain grassland	20-30 cm stems, yellow umbells	2019	E
447	<i>Tarasa humilis</i>	Malvaceae	CHL	Lag. Laja	150	volcanic ash, lava	caespitose, 5 cm, prominent bright rose fls	2019	E
448	<i>Telesonix heucherooides</i>	Saxifragaceae	USA	BigHorn, WY		limestone crevices	saxatile plant 15 cm, purple fls, red fruits	2018	D
449	<i>Thlaspi bellidifolium</i>	Brassicaceae	BGR	Pirin	2300	limestone scree	5 -8 cm, pale lilac	2021	D
450	<i>Thlaspi bellidifolium</i>	Brassicaceae	MAK	Galicica Zhongdian,	2200	limestone scree	5 cm lilac-rose	2021	D
451	<i>Tibetia tongolensis</i>	Fabaceae	CHN	NapaHai, Yunnan	3300	mountain grassland	prostrate 3-5 cm. purple fls, 2 cm pods	2019	D
452	<i>Trollius altaicus</i>	Ranunculaceae	KAZ	Trans-Ily Ala Tau	2600	alpine grassland	30 cm, yellow fls	2019	D
453	<i>Trollius altissimus</i>	Ranunculaceae	ITA	Dolomites	2100	limestones scree	40 cm, yellow	2020	C
454	<i>Trollius lilacinus/Hegemone</i>	Ranunculaceae	KAZ	Trans-Ily Ala Tau	3300	alpine wet grassland	white bluish, purplish fls, for wet peat blocks	2019	E
455	<i>Tulipa anadroma</i>	Liliaceae	KYR	Chatkal AT	1900	rocky grassland nr lake	Bulb pl 15-30 cm high, large yellow fls reddish outside	2018	D

456	Tulipa dasystemon	Liliaceae	KAZ	Trans-Ily Ala Tau	3300	alpine grassland	bowl like yellow fls	2019	D
457	Tulipa heterophylla	Liliaceae	KAZ	Trans-Ily Ala Tau	3400	alpine grassland	lily-like yellow fls	2019	D
458	Tulipa kaufmanniana	Liliaceae	KYR	Chatkal AT	2000	dry steppe	Bulb pl 20-40 cm high, very large usually red or yellow fls	2018	B
459	Tulipa zenaidae	Liliaceae	KYR	E Kyrgyz AT	2500	rocky grassland	Bulb pl 10-20 cm high, yellow fls, red outside	2018	D
460	Veronica satureoides	Scrophulariaceae	BGR	Pirin	2400	limestone scree	5 cm, dark blue	2021	D
461	Viola atropurpurea	Violaceae	CHL	La Parva	293	volcanic ash, lava	rosulate, black purple fls	2019	F
462	Viola atropurpurea	Violaceae	CHL	P. Pehuenche	290	volcanic ash, lava		2019	F
463	Viola chaerophylloides	Violaceae	ex cult				15 cm, palmatilobed lvs	2021	C
464	Viola congesta	Violaceae	CHL	Lag. Teno	246	volcanic ash, lava	rosulate hairy, purple fls	2019	F
465	Viola cotyledon	Violaceae	CHL	Chillan	188	volcanic ash, lava	rosulate sticky, white fls	2019	F
466	Viola cotyledon	Violaceae	CHL	Lag. Maule	290	volcanic ash, lava	rosulate sticky, pale blue fls	2019	F
467	Viola cotyledon	Violaceae	CHL	Lag. Teno	246	volcanic ash, lava	rosulate sticky, pale blue fls	2019	F
468	Viola cotyledon	Violaceae	CHL	Lanin	124	volcanic ash, lava	rosulate sticky, pale blue fls	2019	F
469	Viola farkasiana	Violaceae	CHL	Lag. Laja	140	volcanic ash, lava	rosulate, glandulose, creamy fls	2019	F
470	Viola philippii	Violaceae	CHL	La Parva	345	volcanic ash, lava	smaller rosulate, glandulose, creamy-pink fls	2019	E
471	Viola philippii	Violaceae	CHL	V Nevado	310	volcanic ash, lava		2019	E
472	Viola reichii	Violaceae	CHL	Chillan	185	volcanic ash, lava	small leafy, yellow fls	2019	E
473	Viola stojanovii	Violaceae	ex BGR				5-10 cm, yellow	2021	D
474	Wulfenia bleicii	Scrophulariaceae	exMNEG				15 cm blue	2021	D
475	Zinnia grandiflora	Asteraceae	USA	ex CO, Denver		Great Plains	prostrate, prominent yellow fls, s Colorado	2018	D