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## Flora of Boncuk Mountains (Burdur-Mugla, Turkey)\*\*

<sup>1</sup>Esat Cetin and <sup>2</sup>Özcan Secmen

<sup>1</sup>Department of Biology, Faculty of Science and Art, Harran University, Sanliurfa, Turkey

<sup>2</sup>Department of Biology, Faculty of Science, Ege University, Izmir, Turkey

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**Abstract:** This study deals with the flora of Boncuk Mountains (2340 m) which lies between Ören-Muğla in southwest and Altınyayla (Dimil)-Burdur in southeast in Southwestern Anatolia. The investigation was carried out between 1999-2002 and 858 taxa belonging to 83 families and 340 genera was identified. One hundred and eighty of identified taxa were endemic and the ratio to total flora was 21%. The number of nonflowering vascular plants (of Pteridophyta) was 9. 7 taxa belonged to Gymnospermae while the remaining 842 were Angiospermae. 130 taxa were Monocotyledonae, 712 of these were Dicotyledonae. The studied area is a typical transition area and east part of this area is one of the Important Plant Areas under name of East Boncuk Mountains in Turkey. IPA No. 55.

**Key words:** Flora, Boncuk mountains, Burdur, Mugla, Turkey

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### INTRODUCTION

Teke Plateau is a high plateau that contains many mountain chains which lie mostly Southwest to Northeast and contains wide river basins and plains which lie at top of the mountain chains. Hilly mountain chains called Mašta Mountains, Boncuk Mountain, Boncuk Kırıtı, Eren Mountain, Mıhlı Ardıç and Karadiş Mountain which erect behind the coast band form Boncuk Mountains (Fig. 1).

The research area is located within the Mediterranean Phytogeographical Zone. It shows transition characteristics between Mediterranean Flora Region and Irano-Turan Flora Region according to geographic position and in terms of flora and climate. The studied area is in C2 square according to grid square system given by Davis (1965-1985).

The altitude is 180 m at Ören on South and rises to 2340 m at Kocaeren Hill, 2270 m at top of Boncuk and 2100 m at Karadiş Hill. The area is poor according to stream regime. Waterways are at valley basins on South and North sides. Nearly all streams are dry in summer.

The meteorological data was taken from two stations; Ören and Gölhisar stations. This data was obtained for the years between 1964-1990. The mean annual temperatures were for Gölhisar 12.5°C and for Ören 19°C. The hottest months were July for Gölhisar with 23.1°C and August for Ören with 28.2°C. The mean annual total precipitation was 928.2 mm for Ören and 554.5 mm for Gölhisar. The most rainy season was Winter and Spring for each district.

When the climatic data was used in Emberger's formula of rain and temperature factors, It was determined

that the research area had a Mediterranean Humid Climate at part of Ören and Mediterranean Semi-Arid Climate at Gölhisar on southeast part (Akman, 1999).

The geological structure of the research area mostly contains rocks belonging to the Mesozoic Tertiary periods (Atalay, 1987). The most abundant soil type in the area was Red Mediterranean Soil that can be found everywhere except in Dirmil and İbecik districts. Brown forest soils, colluvial and alluvial soils were seen (Burdur and Muğla Cities Land Plan, 1998, 1999).

The research area has a vegetation that contains different plant associations under taken geographic situation, geomorphologic structure and climatic conditions. Andropogenic factors effected the climax vegetations. Secunder unchangeable plant formations were formed.

*Pinus brutia* Ten. and *Pinus nigra* J.F. Arnold, Reise Mariazell: 8, t.s.n. (1785) subsp. *nigra* var. *caramica* (Loudon) Rehder forests are the most widespread and economically useful forms. *P. nigra* var. *caramica* forests spread out at large areas between 1200-1900 m. Most of them are old forests after 1700 m. They have poor flora and they can be qualified as monumental forests.

*Pinus brutia* forests are seen at west sections and spread out from 180 to 1200 m. They form pure formations at upper parts and have poor flora. These forests form mixed formations with mague elements at lower parts.

*Quercus coccifera* L. formations are seen at some places where the *Pinus brutia* forests were destroyed and in the open areas among the *Pinus brutia* forests. They form pure formations above Ören.

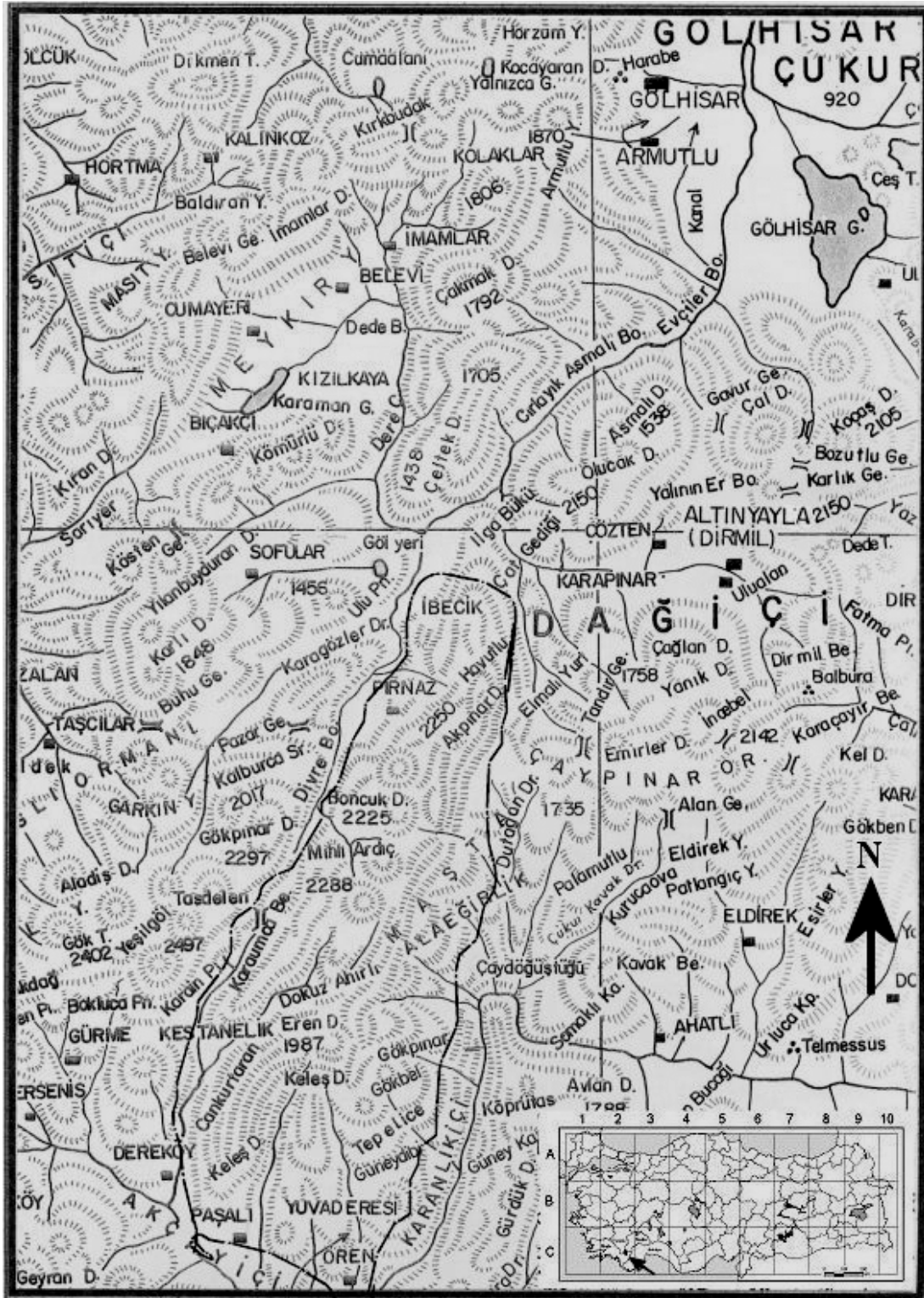


Fig. 1: The map of studied area (1/200.000)

One of the other formations in the research area is *Juniperus excelsa* M.Bieb., Besch. forests. These forests are situated on the north and south sides of Boncuk Mountains from 1200 to 1900 m.

On Southwest of Ballik village at 1400 m, the *Cedrus libani* forests are present. They have spread out at large areas on south and southwest of Boncuk Mountains. These forests are the beginning point of *Cedrus libani* forests at Southwest part on Toros Mountains. They have rich flora and contain many seedless.

The High Mountain Steppe Vegetation is seen after 1900-1950 m at the calcareous backs and top of hills. At these areas, *Daphne oleoides* Schreb. subsp. *oleoides* and *Sideritis pisidica* associations are present. At the soily backs and snow hollows *Astragalus angustifolius* Lam. subsp. *angustifolius* and *Marrubium bourgaei* Boiss. subsp. *bourgaei* associations are also present.

In the research area, the plants where often seen at the road sides are as follows; *Centaurea solstitialis* L. subsp. *solstitialis*, *Hypericum triquetrifolium* Turra, *Capparis ovata* Desf. var. *herbacea* (Willd.) Zoh., *Convolvulus arvensis* L., *Euphorbia rigida* M.Bieb., *Daucus carota* L., *Eryngium campestre* L. var. *virens* Link, *Quercus coccifera* L., *Reseda lutea* L. var. *lutea*, *Glaucium flavum* Crantz, *Ononis spinosa* L., *Lotus corniculatus* L. var. *corniculatus*, *C. varia* L. subsp. *varia*, *Xanthium spinosum* L., *Picnemon acarna* (L.) Cass., *Lactuca serriola* L., *Anchusa azurea* Mill. var. *azurea*, *Anemone coronaria* L., *Papaver rhoeas* L., *Torilis arvensis* (Huds.) Link subsp. *neglecta* (Spreng.) Thell., *Knautia integrifolia* (L.) Bert var. *bidens* (Sm.) Borbas, *Sanguisorba minor* Scop. ssp. *Muricata* (Spach) Briq., *Cardaria draba* (L.) Desv. subsp. *chalepensis* (L.) O.E. Schultz, *Avena barbata* Pott ex Link subsp. *barbata*, *Echium italicum* L., *Tragopogon longirostris* Bisch. ex Schultz var. *longirostris* and *Papaver dubium* L.

*Vitex agnus-castus* L., *Nerium oleander* L., *Tamarix smyrnensis* Dunge, *Salix alba* L., *Platanus orientalis* L., *Inula viscosa* (L.) Aiton, *Styrax officinalis* L. were seen at the stream beds and sides.

## MATERIALS AND METHODS

Nearly 1500 plant specimens from Boncuk Mountains were collected periodically during different vegetation periods in every season between September 1999-July 2002. All specimens were pressed, dried and preserved according to the herbarium techniques and some were photographed. These were identified with the help of Flora of Turkey and the East Aegean Islands (Davis, 1965-1985; Davis *et al.*, 1988; Güner *et al.*, 2000) and various floras.

Alphabetical order is followed for the list of families and lower taxa. Locality, collection date, collector name and sample numbers follow the plant name. Author abbreviations follow Brummitt and Powell (1992).

The endemic species were categorized according to IUCN Red Data Categories (IUCN, 2001) and Ekim *et al.* (2000). The abbreviations are as follow: VU-Vulnerable, LC-Least concern, CR-Critically endangered, EN-Endangered. All herbarium specimens are kept in Ege University Botanical Garden and Herbarium Research and The Application Center (EGE).

The area is completely within the C2 grid square, therefore C2 Burdur; Boncuk Dağları was omitted in the citations. Localities where the plant specimens have been gathered were listed in Appendix 1. Each locality shows the name of place, elevation, date of gathering plants and number of collection.

The following abbreviations were used in the text;

Ir.-Tur.	: Irano-Turanian
Euro-Sib.	: Euro-Siberian
Medit.	: Mediterranean
E. Medit.	: East Mediterranean
m	: Meter
subsp.	: Subspecies
var.	: Variety
E	: Esat Çetin
T.F.	: The taxa which added from Flora of Turkey to list of flora
Lok.	: Locality

## RESULTS AND DISCUSSION

This research was carried out by using nearly 1500 plant specimens collected over a period of 3 years. As a result of the identification of the plants specimens, 858 taxa (subsp. and var. included) belong to 339 genera and 83 families were determined.

Nine of these taxa were nonflowering vascular plants (of Pteridophyta) and 7 taxa were belonged to Gymnospermae while the remaining 842 were Angiospermae. One hundred and thirty taxa were monocotyledonae and the others were dicotyledonae.

The distribution of flora elements were not homogeneous. Mediterranean elements were mostly at west, southwest and northwest. Irano-Turanian elements were at Subalpine zone, on East, Northeast and Southeast of the region. Euro-Siberian elements were a few. This situation has been appeared as a result of climatic difference, ecologic differences, geographic position and geomorphologic structure. While the west sides of region were effected by Hot Mediterranean Climate; the east part was under the effect of Terrestrial Climate.

Table 1: The flora and vegetation studies where were carried out near environs of Boncuk Mountains

Parameters	Research areas				
	1	2	3	4	5
Number of families	83	106	81	51	86
Leguminosae	99	105	84	41	77
Graminae	81	62	42	32	24
Compositae	80	136	88	55	71
Labiatae	74	61	56	37	41
Cruciferae	58	67	49	30	36
Caryophyllaceae	55	51	43	29	41
Umbelliferae	35	44	34	25	31
Liliaceae	32	29	23	9	11
Scrophulariaceae	29	42	31	7	22
Boraginaceae	26	24	25	19	22
Rosaceae	23	38	22	10	22
Ranunculaceae	16	25	17	10	22
Total taxon at area	858	1058	776	413	645

1. The Flora and of Boncuk Mountains (Burdur)
2. The Flora and Vegetation of Akdağ (Denizli)
3. The Flora and Vegetation of Barla Mountain (Isparta) (Bekat, 1987)
4. The Flora of Rahat Mountain (Burdur) 2150 m (Cetin *et al.*, 2007)
5. The Flora of Bozburun Mountain and Its Environs (Antalya-Isparta-Burdur) (Fakir, 2006)

Table 2: The reach genera at the area and other regions

Genera	Research areas				
	1	2	3	4	5
<i>Astragalus</i>	28	18	19	16	7
<i>Galium</i>	16	9	-	6	5
<i>Silene</i>	16	13	12	8	16
<i>Alyssum</i>	15	10	10	7	7
<i>Centaurea</i>	12	15	12	9	6
<i>Sedum</i>	10	7	9	4	7
<i>Trifolium</i>	9	22	12	8	15
<i>Ranunculus</i>	8	16	10	2	10
<i>Allium</i>	7	5	4	3	2
<i>Anthemis</i>	6	13	7	5	4

Description of research areas is given in Table 1

When the number of taxa is taken under consideration, the family Fabaceae ranks first with 99 taxa (Table 1). Among all 83 families, Fabaceae with 99, Gramineae 81, Compositae 80, Labiatae 74, Cruciferae 58, Caryophyllaceae 55, Umbelliferae 35, Liliaceae 32, Scrophulariaceae 29, Boraginaceae 26, Rosaceae 23 and Ranunculaceae 16 taxa were the most richest families in the research area. The taxa belonging to the first 12 families form about 71.5% of the total taxa.

As the major genera, *Astragalus* with 28, *Galium* 16, *Silene* 16, *Alyssum* 15, *Salvia* 13, *Centaurea* 12, *Sedum* 10, *Trifolium* 9, *Ranunculus* 8, *Allium* 7 and *Anthemis* 6 have the most taxa (Table 2).

Most taxa in *Astragalus* are known as steppe plants of Irano-Turanian phytogeographical regions.

The presence of many *Astragalus* members shows the terrestrial climate effects and subalpine zone. The East part of research area starts from 1200-1300 m. Altitude. Many Gramineae members were found.

Table 3: The richest families according to endemism

Families	The No. of End. Taxon
Leguminosae	28
Labiatae	25
Scrophulariaceae	21
Caryophyllaceae	18
Compositae	15
Rubiaceae	11
Cruciferae	8
Boraginaceae	7
Campanulaceae	6
Liliaceae	7

Table 4: The endemic plants which belong to CR and EN in Red Data Book of Turkish Plants

<i>Campanula fruticulosa</i> (O. Schwartz and P.H. Davis) Damboldt.	EN
<i>Saponaria kotschyi</i> Boiss.	CR
<i>Alyssum caricum</i> Dudley and Hub.-Mor.	EN
<i>Erysimum caricum</i> Boiss.	CR
<i>Thlaspi papillosum</i> Boiss.	CR
<i>Globularia dumulosa</i> O. Schwartz	EN
<i>Salvia nydeggeri</i> Hub.-Mor.	EN
<i>Ebenus pisidica</i> Hub.-Mor. and Reese	CR
<i>Gonocytisus dirnikensis</i> Hub.-Mor.	EN
<i>Lathyrus tauricola</i> P.H.Davis	EN
<i>Trigonella pseudocapitata</i> Contandr. and Quezel	CR
<i>Linum mucranatum</i> Bertol.	
subsp. <i>gypsicola</i> P.H. Davis	
var. <i>papilliferum</i> (Hub.-Mor. and Reese) P.H. Davis	EN
<i>L. pamphylicum</i> (Boiss.) Podp.	EN
<i>Scrophularia scopolii</i> [ Hoppe ex ] Pers.	
var. <i>burdurensis</i> (H. Pesmen) R. Mill.	EN
<i>Verbascum latisepalum</i> Hub.-Mor.	EN
<i>V. reeseanum</i> Hub.-Mor.	EN
<i>V. serpenticola</i> Hub.-Mor.	CR

*Quercus coccifera* and *Pinus brutia* which are the characteristics plants for Mediterranean vegetation were found at west and Southwest parts of the region. The steppe vegetation that spreads out at Upper Mediterranean and Mediterranean Mountainous Zone was present at east part of the region. In addition, *Juniperus excelsa* and *Quercus infectoria* subsp. *boissieri* associations which are seen at steppe transition regions were also seen at large areas at the East sides of research area.

All these findings show that the research area is a typical transition area. The different ecological data of the area, the variation of habitats and elevation cause this high number of taxa.

**Endemism:** The number of endemic taxa was 180 and the endemism rate was 21% in the study area (Table 3). According to Red Data Book Categories (Ekim *et al.*, 2000; IUCN, 2001), 166 of endemic plants belong to Red List Categories and have criteria. One hundred and thirty of these plants are in LC categories; 19 are in VU; 11 are in EN and 6 taxa are in CR (Table 4).

*Saponaria kotschyi* was put in CR category in Red Data Book, but the populations of this taxon were seen in the four different localities. There is no reduction in population therefore there is no extremely high risk of extinction in the wild and this taxon must be put in EN criteria.

*Erysimum caricum* has CR criteria according to Red Data Book. But, the populations of this taxon were found at many localities in the research area. Thus, there is no high risk of extinction in the wild and this taxon must be put in EN category.

*Thlaspi papillosum* was put in CR category, too. But according to IUCN Species Survival Commission 2001, it is not considered to be facing an extremely high risk of extinction in the wild. The population of this taxon is present at least 3 different regions; in Denizli, in Antalya and in Burdur. It is more appropriate to put this taxon in EN category.

*Ebenus pisdica* is in CR category in Red Data Book. It was described from Sandras Mountain. In Dirmil, its population was seen as small population and is facing an extremely high risk of extinction in the wild. It can be damaged by human beings. As a result, it may be put in CR category.

*Trigonella pseudocapitata* populations were present in two localities but these populations were near one another. The area of occupancy estimated is less than 10 km<sup>2</sup> and population size estimated to number fewer than 250 mature individuals. So this also must be in CR category.

*Verbascum serpenticola* was described from only Dirmil in one locality and it is facing an extremely high risk of extinction in the wild. The population of this taxon has CR criteria according to IUCN Species Survival Commission, 2001.

*Campanula fruticulosa* is known in two localities in Flora of Turkey. So it was considered in EN category by Ekim *et al.* (2000). This is suitable according to criteria of IUCN (2001).

Each of *Alyssum caricum*, *Salvia nydeggeri*, *Gonocytisus dirmilensis*, *Scrophularia scopolii* var. *burdurensis*, *Verbascum latisepalum* was described from only one locality in Flora of Turkey. Their extent of occurrence estimated are less than 100 km<sup>2</sup> and populations of size number may be fewer than 250 mature individuals. These plants are facing high risk of extinction. According to Red data Book, they were considered in EN category. But they must be considered in CR category according to criteria of IUCN (2001).

*Lathyrus tauricola* was described from Bucak. It was gathered another locality from Dirmil. So, it was considered in EN category according to criteria of IUCN (2001).

*Linum mucranatum* subsp. *gypsicola* var. *papilliferum*, *L. Pamphylicum* and *Verbascum reeseanum* are known at least two different areas. They were also considered in EN category according to Red Data Book (2000) and IUCN (2001) criteria.

The high rate of endemism and variation of plants are due to lying of research area at the transition region. Two phytogeographic region intersect here.

The Southwest of Anatolia, where our research area lies, is one of the important centers according to endemism (Ekim *et al.*, 2000). Present findings show the importance of region according to endemism and variation of plants. Because of this, the east part of research area is considered as an Important Plant Area under name of Doğu Boncuk Dağları, IPA 55 (Özhatay *et al.*, 2005).

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#### APPENDIX 1

The stations where plant specimens were gathered:  
LOK.1. BURDUR; Dirmil, From Pınmaz to Fethiye mountain road. From the beginning of mine road, at the upper part of Geven Alanı Çesmesi, 1400-1900 m, 01.10.1999, E170-189.

LOK.2. BURDUR; Dirmil, Dirmil-Fethiye road, East slopes of Kelebek Mountains, 1400 m, 19.04.2000, E194-212.

LOK.3. MUĞLA; The road from Seki to Ören, very near about 50 m to Karabel Mountain pass, right sides, 1400 m, 19.04.2000, E213-217.

LOK.4. MUĞLA; From Ören to Maşta (Ballık village) mountain road, 400-1500 m, 19.04.2000, E218-245; 30.05.2000, E380-395, E402-422; 13.06.2001, E1207.

LOK.5. BURDUR; Dirmil, from Pınmaz towards to Kocaeren Hill, southeast sides, 1200-1300m, 20.04.2000, E246-251/a.

LOK.6. BURDUR; Boncuk Mountains, from Kocaeren Hill towards to Fethiye downwards road, 1400-1500 m, 20.04.2000, E251-256; 14.06.2001, E1177, E1158, E1176, E1311, E1156; 13.06.2001, E1177/a.

LOK.7. BURDUR; Between Gölhisar and Dirmil, road sides, 900-1100 m, 30.05.2000, E2201-2205, E 285; 30.06.2000, E756-817, E1165-1174; 22.06.2002, E2049-2057. E.

- LOK.8. BURDUR; From Dirmil to Fethiye highway, 1276 m, 30.05.2000, E295-335.
- LOK.9. BURDUR; Dirmil, from Pınaz to Fethiye mountain road, 1462 m, 11.11.2000, E1175-1185.
- LOK.10. MUĞLA; Upper parts of Ören, insides of Kıbrıs Canyon, 300-400 m, 30.05.2000, E336-379, E397-401, E423-427.
- LOK.11. MUĞLA; From Ören to Maşta mountain road, 200-1300 m, 30.05.2000, E380-422.
- LOK.12. MUĞLA; From Ören to Maşta mountain road, 1300-1500 m, 30.05.2000, E428-460; 13.06.2001, E1421-1426, E1097, E1098.
- LOK.13. BURDUR; Dirmil, from İbecik highway towards to Pınaz, 1200-1300 m, 31.05.2000, E462-467.
- LOK.14. BURDUR; Dirmil, from Pınaz to Fethiye mountain road, Karaumca Beli after the distinction of mine road, 1450-1500 m, 31.05.2000, E468-477; 20.06.2002, E1918-1973.
- LOK.15. BURDUR; Dirmil-İbecik road, 1200-1300 m, 31.05.2000, E478-479, E506-536, E606-615.
- LOK.16. BURDUR; Dirmil, From Pınaz to Fethiye mountain road, slopes of Güntutan Mountain right sides of road, 1500-1600 m, 31.05.2000, E480-505.
- LOK.17. BURDUR; The top of and environs of fire tower of Boncuk Mountains, 2200-2270 m, 31.05.2000, E537-574, E616, E617; 14.06.2001, E1538-1567; 21.06.2002, E1999-2002, 01.07.2000, E 961.
- LOK.18. BURDUR; Down Hill from fire tower of Boncuk Mountains towards to picnic area, 1600-2200 m, 31.05.2000, E575-605.
- LOK.19. BURDUR; Dirmil, from Maşta to Ağılı locality, under *P. nigra* subsp. *pallasiana* forests, 1300-1400 m, 29.06.2000, E618-699, E736-755, E1315; 13.06.2001, E1368-1406, 1438-1443/a.
- LOK.20. BURDUR; Dirmil, from Maşta to Ağılı locality, *Cedrus libani* protection area, 1400 m, 29.06.2000, E700-735; 19.06.2002, E1836-1864, E1891-1911; 06.07.2002, E2181-2187.
- LOK.21. BURDUR; Dirmil, from Maşta to Ağılı locality to Ören mountain road, 1400-1800 m, 19.06.2002, 1912-1917, 13.06.2001, E1427-1437.
- LOK.22. BURDUR; Dirmil, from Pınaz to Fethiye mountain road, the distinction of mine road, from Köle locality to Karadış Hill, 1600-2000 m, 30.06.2000, E818-893.
- LOK.23. BURDUR; Dirmil, from İbecik-Ballık road junction to İbecik, insides of *Quercus* forests, 1100-1150 m, 05.04.2001, E1190-1224.
- LOK.24. BURDUR; Dirmil, The climbing road from Pınaz picnic area to Boncuk Mountains fire tower, 1250-1350 m, 05.04.2001, E1225-1232, E1317, 14.06.2001, E1472-1485.
- LOK.25. BURDUR; Dirmil, from İbecik-Ballık road junction to Ballık, 1150 m, 06.04.2001, E1233-1264.
- LOK.26. BURDUR; Kocaeren Hill and its environs, 2000-2340 m, 07.04.2001, E1265-1275.
- LOK.27. BURDUR; Gölhisar-Dirmil road, insides of *P. nigra* subsp. *pallasiana* plantation area, 1000-1100 m, 12.06.2001, E1319-1332; 18.06.2002, E1762-1811; 10.10.2000, E1165-1168.
- LOK.28. BURDUR; Dirmil, from Maşta to Ören mountain road, insides of Kavaklı Valley, 1300 m, 13.06.2001, E1333-1367.
- LOK.29. MUĞLA; Ören, from Ören to Maşta mountain road, *P. nigra* subsp. *pallasiana* forest, 1370 m, 13.06.2001, E1368-1382.
- LOK.30. BURDUR; Dirmil, from Maşta to Ören, flat area, 1300 m, E1383-1406.
- LOK.31. BURDUR; Dirmil, from İbecik-Maşta road junction to Maşta, right sides of road, insides of *Juniperus excelsa* forest, 1260-1280 m, 15.06.2000, E1652-1659; 13.06.2001, E1407-1420.
- LOK.32. MUĞLA; Ören, from Ören to Maşta mountain road, 900-1000 m, 13.06.2001, E1443-1450.
- LOK.33. MUĞLA; Ören, from Ören to Maşta mountain road, 1800 m, 13.06.2001, E1451-1460.
- LOK.34. MUĞLA; Ören, from Ören to Maşta, upper part of Kızılbil locality, 1360 m, 13.06.2001, E1461-1471.
- LOK.35. BURDUR; Boncuk Mountains, landing from fire tower, the pasture and its environs, 1600 m, 14.06.2001, E1487-1503.
- LOK.36. BURDUR; Landing from fire tower of Boncuk Mountains, snow pits areas, 1600-2000 m, 14.06.2001, E1504-1537.
- LOK.37. BURDUR; Dirmil, from Pınaz road junction to Dirmil, opposed to the fountain at right, 1280 m, 15.06.2001, E1568-1574.
- LOK.38. BURDUR; Dirmil, from Dirmil-Pınaz road junction to Dirmil, upper parts of fountain at right, 1280 m, 15.06.2001, E1575-1590.
- LOK.39. BURDUR; Dirmil, from Pınaz to Fethiye mountain road, after 50 m from the beginning of mine road, *P. nigra* subsp. *pallasiana* forest, left sides, 1200-1300 m, 15.06.2001, E1591-1600, E1615-1633; 14.06.2001, E1206.
- LOK.40. BURDUR; Dirmil, from Pınaz to Fethiye mountain road, from mine road towards to hill, under parts of *Juniperus excelsa* forest, 1360 m, 15.06.2001, E1601-1614.
- LOK.41. BURDUR; Dirmil, from İbecik-Ballık road junction to İbecik, *Quercus excelsa*-*Q. infectoria* forest, 1300, 1385 m, 15.06.2001, E1634-1639, 13.06.2001, E1660-1683.
- LOK.42. BURDUR; Dirmil, from İbecik to Dirmil, Pınaz road junction, *P. nigra* subsp. *pallasiana* forest, 1210 m, 15.06.2001, E1640-1646.
- LOK.43. BURDUR; Landing from the fire tower of Boncuk

Mountains, under parts of *P. nigra* subsp. *pallasiana* forest, 1600 m, 15.06.2001, E1647-1651.

LOK.44. BURDUR; Dirmil, *Quercus* forests at İbecik-Ballık road junction, 1100m, 19.06.2002, E1812-1835, E1865-1890.

LOK.45. BURDUR; Dirmil, from Pınaz to Fethiye mountain road, near the mine road, insides of *Juniperus excelsa* forest, 1300 m, 20.06.2002, E1974-1986.

LOK.46. BURDUR; Dirmil, *Quercus coccifera-Juniperus excelsa* forests, 11150 m, 20.06.2002, E1987-1994; 10.10.2000, E1172-1174.

LOK.47. BURDUR; Dirmil, İbecik Dam road, below the petrol station, 1100 m, 20.06.2002, E1995-1998.

LOK.48. BURDUR; Landing from the fire tower of Boncuk Mountains. Yaylacık locality, 1750-1800 m, 21.06.2002, E2023-2048.

LOK.49. BURDUR; Dirmil, from Maşta, Ağılı locality to Ören mountain road, near Alic locality, 1500m, 07.07.2002, E2154-2180.

## THE FLORISTIC LIST

### PTERIDOPHYTA

#### ADIANTACEAE (SINOPTERIDACEAE)

*Cheilanthes marantae* (L.) Domin; Lok.12, E1097.

*C. persica* (Bory) Kuhn; Lok.4, E1027.

#### ASPENIACEAE

*Asplenium ceterach* L.; Lok.35, E1028; Lok.6, E1177/a.

*A. ruta-muraria* L.; Lok.7, E1177.

#### DENNSTAEDTIACEAE (HYPOLEPIDACEAE)

*Pteridium aquilinum* (L.) Kuhn; Lok.12, E1098.

#### DRYOPTERIDACEAE (ASPIDIACEAE)

*Dryopteris pallida* (Bory) Fomin; Lok.6, E1156.

#### EQUISETACEAE

*Equisetum palustre* L.; Lok.39, E1206.

*E. ramosissimum* Desf.; Lok.39, E1245.

#### WOODSIACEAE (ATHYRIACEAE)

*Cystopteris fragilis* (L.) Bernh.; Lok.6, E1158, E1176, E1311.

### SPERMATOPHYTA

#### GYMNOSPERMAE

##### CUPRESSACEAE

*Juniperus excelsa* M.Bieb., Besch.; Lok.2, E199; Lok.18, E605; Lok.36, E1527; Lok.31, E1409.

*J. foetidissima* Willd; Lok.22, E892.

*J. oxycedrus* L. subsp. *oxycedrus*; Lok.4, E227; Lok.2, E198; Lok.27, E1805.

#### EPHEDRACEAE

*Ephedra major* Host; Lok.8, E306.

#### PINACEAE

*Cedrus libani* A.Rich.; Lok.4, E244, Medit.

*Pinus brutia* Ten.; Lok.33, E1460/a; Lok.51, E2219; Lok.50, E2253, Medit.

*Pinus nigra* J.F. Arnold, Reise Mariazell: 8, t.s.n. (1785) subsp. *nigra* var. *caramica* (Loudon) Rehder.; Lok.1, E172; Lok.2, E208; Lok.5, E246/a; Lok.8, E317; Lok.14, E468/a; Lok.19, E670; Lok.22, E871; Lok.24, E1232/a; Lok.28, E1344; Lok.35, E1488; Lok.40, E1606; Lok.48, E2044.

#### ANGIOSPERMAE

##### DICOTYLEDONEAE

##### ACANTHACEAE

*Acanthus hirsutus* Boiss.; Lok.44, E1890, Ir.-Tur. Endemic.

*A. spinosus* L.; Lok.8, E311, Medit.

##### ACERACEAE

*Acer hyrcanum* Fisch. & Mely. subsp. *keckianum* (Pax) Yalt.; Lok.20, E736; Lok.12, E442.

*A. monspessulanum* L. subsp. *monspessulanum*, Lok.12, E441.

*A. sempervirens* L.; Lok.50, E2272, Medit.

*A. tataricum* L.; Lok.12, E1422.

##### ANACARDIACEAE

*Cotinus coggyria* Scop.; Lok.33, E1451; Lok.28, E1339; Lok.50, E2271.

*Pistacia terebinthus* L. subsp. *palestina* (Boiss.) Engl.; Lok.11, E411; Lok.50, E2269, E2214, Medit.

*Rhus coriaria* L.; Lok.28, E1335.

##### APOCYNACEAE

*Nerium oleander* L.; Lok.51, E2234.

##### ARISTOLOCHIACEAE

*Aristolochia lycica* P.H.Davis & Khan; Lok.44, E1873; Lok.41, E1678, Medit., Endemic.

##### ASCLEPIADACEAE

*Cionura erecta* (L.) Griseb.; Lok.20, E1846; Lok.49, E2229, Medit.

*Cynanchum acutum* L.; Lok.50, E2275.

*Vincetoxicum canescens* (Willd.) Decne. subsp. *pedunculata* Browicz; Lok.35, E1495; Lok.20, E724, Endemic.

##### BERBERIDACEAE

*Berberis crataegina* DC.; Lok.14, E1921; Lok.27, E1863;



Lok.44, E1835; Lok.31, E1407, Ir.-Tur.  
*B. cretica* L.; Lok.2, E200.

#### BORAGINACEAE

*Alkanna areolata* Boiss. var. *areolata*; Lok.14, E470; Lok.6, E262, Medit., Endemic.  
*A. attilae* P.H.Davis; Lok.17, E573, Medit., Endemic.  
*A. tinctoria* (L.) Tausch subsp. *anatolica* Hub.-Mor.; Lok.2, E196; Lok.11, E423/a, E388; Lok.32, E1455, Medit.  
*A. tinctoria* (L.) Tausch subsp. *glandulosa* Hub.-Mor.; Lok.38, E1588, Medit.  
*A. tubulosa* Boiss., Diagn.; Lok.18, E600; Lok.8, E302; Lok.7, E759; Lok.26, E2186, Medit., Endemic.  
*Anchusa undulata* L. subsp. *hybrida* (Ten.) Cout.; Lok.22, E870; Lok.16, E486; Lok.25, E1261.  
*A. azurea* Mill. var. *azurea*; Lok.17, E537/a; Lok.1, E176; Lok.7, E2277.  
*Arnebia densiflora* (Nordm.) Ledeb.; Lok.12, E460, Ir.-Tur.  
*Cerithe minor* L. subsp. *auriculata* (Ten.) Domac; Lok.15, E528; Lok.44, E1815; Lok.40, E1631.  
*Cynoglossum montanum* L.; Lok.12, E430; Lok.17, E574; Lok.41, E1723, Euro-Sib.  
*Echium italicum* L.; Lok.22, E1165; Lok.7, E772; Lok.27, E1804.  
*Lappula barbata* M.Bieb.; Lok.7, E292, E804; Lok.27, E1780, Ir.-Tur.  
*Moltkia aurea* Boiss.; Lok.6, E258; Lok.17, E291; Lok.23, E1194, Ir.-Tur., Endemic.  
*Myosotis alpestris* F.W. Schmidt subsp. *alpestris*; Lok.22, E884; Lok.18, E598; Lok.17, E571.  
*M. incrassata* Guss.; Lok.6, E273.  
*M. minutiflora* Boiss. & Reut.; Lok.16, E503/c; Lok.25, E1236.  
*M. ramosissima* Rochel ex Schult. subsp. *ramosissima*; Lok.16, E503.  
*M. spehuncicola* (Boiss.) Rouy; Lok.17, E555, Medit.  
*M. stricta* Link & Roem.; Lok.17, E1554, E1547; Lok.17, E2010, Euro-Sib.  
*Nonea macrosperma* Boiss. & Heldr.; Lok.15, E526, Ir.-Tur., Endemic.  
*Onosma frutescens* Lam.; Lok.14, E469; Lok.25, E1263, Medit.  
*O. isauricum* Boiss. & Heldr.; Lok.16, E513; Lok.11, E418; Lok.34, E1464, Endemic.  
*O. nanum* DC.; Lok.12, E456, Medit. Endemic.  
*O. tauricum* Pall. ex Willd. var. *tauricum*; Lok.6, E264.  
*Paracaryum lithospermifolium* (Lam.) Grande var. *cariense* (Boiss.) R.B.Mill.; Lok.20, E818; Lok.17, E2014, Medit.  
*Rochelia disperma* (Fil.) C. Koch var. *disperma*; Lok.5, E249.

#### CAMPANULACEAE

*Asyneuma limonifolium* (L.) Sanchen subsp. *limonifolium*; Lok.27, E1764.  
*A. limonifolium* (L.) Sanchen subsp. *pestulozuae* (Boiss.) Damboldt; Lok.34, E1470; Lok.22, E831, Endemic.  
*A. linifolium* (Boiss. & Heldr.) Bornm. subsp. *linifolium*; Lok.46, E1979; Lok.19, E649; Lok.14, E1953, Endemic.  
*A. virgatum* (Labill.) Bornm. subsp. *cichoriforme* (Boiss.) Damboldt; Lok.19, E622; Lok.38, E1355, Medit., Endemic.  
*A. virgatum* (Labill.) Bornm. subsp. *virgatum*; Lok.21, E1913.  
*Campanula cymbalaria* Sm.; Lok.35, E1499; Lok.17, E1545.  
*C. drabifolia* Sm.; Lok.11, E399.  
*C. erinus* L.; Lok.11, E401, Medit.  
*C. fruticosus* (Schwarz & P.H. Davis) Damboldt; T.F., E. Medit. Endemic.  
*C. lyrata* Lam. subsp. *lyrata*; Lok.18, E597; Lok.28; E1346; Lok.30, E1386, E1405, Endemic.  
*C. podocarpa* Boiss.; T.F., E. Medit. Endemic.  
*C. stricta* L. var. *libanotica* (A. DC.) Boiss.; Lok.22, E850, Medit.  
*Legosia pentagonia* (L.) Thell.; Lok.20, E1851, Medit.  
*L. falcata* (Ten.) Fritsch; Lok.17, E666; Lok.20, E744; Lok.11, E396, Medit.  
*L. speculum-veneris* (L.) Chaix; Lok.14, E1963; Lok.8, E319, Medit.

#### CAPPARACEAE

*Capparis spinosa* L. var. *spinosa*; Lok.51, E2237.  
*Capparis ovata* Desf. var. *herbacea* (Willd.) Zoh.; Lok.3, E217/a (Gozlem).

#### CAPRIFOLIACEAE

*Lonicera etrusca* Santi, Viaggio Montam. subsp. *etrusca*; Lok.27, E1785; Lok.34, E1463; Lok.5, E247; Lok.20, E712, Medit.  
*L. nummulariifolia* Joubert & Spach subsp. *glandulifera*; Lok.24, E1478; Lok.20, E1909, Endemic.  
*Sambucus nigra* L.; Lok.51, E2246.

#### CARYOPHYLLACEAE

*Agrostemma githago* L.; Lok.21, E1916.  
*Arenaria acerosa* Boiss. T.F. Endemic.  
*A. ledebouriana* Fenzl var. *pauciflora* McNeill.; Lok.36, E1507, Endemic.  
*A. oxypetala* Sibth. & Sm.; Lok.20, E735.  
*A. saponarioides* Boiss. & Ball, T.F.  
*A. serpyllifolia* L.; Lok.17, E1543, E566; Lok.50, E2003.  
*A. tmolea* Boiss.; Lok.17, E1560; Lok.22, E856; Lok.49, E2168, Medit., Endemic.

- Bolanthus frankenioides* (Boiss.) Bark. var. *frankenioides* Lc. Bark; Lok.22, E844, Lok.17, E557; Lok.45, E1976, Endemic.
- Bufonia calyculata* Boiss. & Bal.; Lok.1, E179, Endemic.
- Cerastium brachypetalum* Pers. subsp. *roeseri* (Boiss. & Heldr.) Nyman; Lok.11, E415.
- C. dichotomum* L. subsp. *dichotomum*; Lok.17, E1541; Lok.36, E1528; Lok.8, E313.
- C. fragillimum* Boiss.; Lok.31, E1416.
- C. illyricum* Ard., Animadv. subsp. *comatum* (Desv.) P.D.Sell & Whitehead; Lok.41, E1682/a, Medit.
- Clypeola jonthlaspi* L.; Lok.23, E1219.
- Dianthus calocephalus* Boiss.; Lok.19, E637, Lok.44, E1826.
- D. leucophaeus* Sibth. & Sm. var. *leucophaeus*, T.F., Endemic.
- D. zonatus* Fenzl var. *zonatus*; Lok.19, E651; Lok.10, E345, E377, E374, Lok.11, E383; Lok.14, E1957, E1956.
- Gypsophila pilosa* Huds.; Lok.7, E799, Ir.-Tur.
- G. unfertifolia* Hub.-Mor., T.F., Endemic.
- Holosteum umbellatum* L. var. *umbellatum*; Lok.18, E584; Lok.16, E503/b; Lok.25, E1256; Lok.23, E1213.
- Minuartia anotolica* (Boiss.) Woron. var. *anotolica*; Lok.22, E846; Lok.17, E2019; Lok.29, E1391, Endemic.
- M. dianthifolia* (Boiss.) Hand.-Mazz. subsp. *dianthifolia*; Lok.22, E879, E836, Endemic.
- M. erythrosepala* (Boiss.) Hand.-Mazz. var. *erythrosepala*; Lok.22, E867; Lok.18, E586; Endemic.
- M. hamata* (Hausskn.) Mattf.; Lok.31, E1659; Lok.40, E1607; Lok.22, E868; Lok.27, E1686; Lok.48, E2031; Lok.36, E1533.
- M. hybrida* (Vill.) Schischk. subsp. *hybrida*; Lok.36, E1533/a.
- M. juniperina* (L.) Maire & Petitm.; Lok.17, E1566; Lok.22, E830.
- M. leucocephala* (Boiss.) Mattf.; Lok.20, E1848, Endemic.
- M. leucocephaloides* (Bornm.) Bornm.; Lok.20, E703, E704; Lok.22, E877; Lok.11, E414.
- M. mesogitana* (Boiss.) Hand.-Mazz. subsp. *mesogitana*; Lok.19, E1438; Lok.30, E1399; Lok.11, E406, E416; Lok.15, E508; Lok.19, E689; Lok.14, E1942; Lok.20, E1857, Medit.
- M. pestalozzae* (Boiss.) Bornm., T.F., Endemic.
- Saponaria chlorifolia* Kunze; Lok.7, E776, Endemic.
- S. kotschy* Boiss.; Lok.7, E758, E2056; Lok.42, E2165; Lok.4, E236, Endemic.
- S. orientalis* L.; T.F., Endemic.
- Silene armena* Boiss. subsp. *serrulata* (Boiss.) Coode & Cullen; Lok.19, E627.
- S. behen* L.; Lok.7, E764; Lok.38, E1584; Lok.28, E1358.
- S. cappadocica* Boiss. & Heldr.; Lok.15, E527, E506; Lok.39, E1633, Ir.-Tur.
- S. cariensis* Boiss.; Lok.10, E356, Medit., Endemic.
- S. caryophylloides* (Poir.) Otth subsp. *caryophylloides*; Lok.22, E834, Ir.-Tur.
- S. chlorifolia* Sm.; Lok.7, E2050.
- S. cretica* L.; Lok.11, E384, Medit.
- S. cryptoneura* Stapf; Lok.8, E326, Endemic.
- S. dichotoma* Ehrh. subsp. *dichotoma*; Lok.19, E638; Lok.22, E1874.
- S. italica* (L.) Pers.; Lok.15, E535; Lok.12, E453; Lok.11, E413; Lok.39; E1630.
- S. lydia* Boiss.; Lok.11, E400, Medit.
- S. macrodonta* Boiss.; Lok.12, E437.
- S. pendula* L.; Lok.6, E312/a; Lok.29, E1377.
- S. rhynchocarpa* Boiss.; Lok.36, E1530; Lok.18, E585; Lok.17, E2011.
- S. subconica* Friv.; Lok.8, E312; Lok.20, E1906.
- S. supina* M. Bieb. subsp. *pruinosa* (Boiss.) Chowdhuri; Lok.7, E2052, E765; Lok.20, E727, E2187.
- Stelleria media* (L.) Vill. subsp. *postii* Holmboe; Lok.20, E709.
- Telephium imperati* L. subsp. *orientale* (Boiss.) Nyman; Lok.20, E707, E2172, E1838; Lok.37, E1570.
- Vaccaria pyramidata* Medik. *pyramidata*; Lok.44, E1872.
- Velezia pseudorigida* Hub.-Mor.; Lok.50, E2207; Lok.19, E668; Lok.10, E310; Lok.11, E397; Lok.48, E2033; Lok.20, E2184, Medit., Endemic.
- V. quadridentata* Sibth. & Sm.; Lok.39, E1613.
- V. rigida* L.; Lok.22, E878; Lok.11, E1412.

#### CHENOPODIACEAE

- Chenopodium album* L. subsp. *album*; Lok.27, E1774.
- C. foliosum* (Moench) Asch.; Lok.17, E2002; Lok.19, E698.

#### CISTACEAE

- Cistus creticus* L.; Lok.34, E1464.
- Fumana arabica* (L.) Spach var. *arabica*; Lok.27, E1801; Lok.34, E1468.
- Heliantemum ledifolium* (L.) Mill. Gard var. *lasiocarpum* (Willk.) Bornm.; Lok.27, E1802.
- H. nummularium* L. subsp. *lycaonicum* Coode & Cullen; Lok.43, E1651, Endemic.
- H. salicifolium* (L.) Mill.; Lok.8, E315.

#### COMPOSITAE (ASTERACEAE)

- Achillea lycanoica* Boiss. & Heldr.; Lok.48, E2048, Ir.-Tur., Endemic.
- A. nobilis* L. subsp. *neilreichii* (F. Kern.) Formanek; Lok.36, E1525; Lok.41, E1635.
- A. nobilis* L. subsp. *sipylea* O. Schwartz; Lok.2, E860, Medit., Endemic.
- Anthemis cretica* L. subsp. *leucanthemoides* (Boiss.) Grierson; Lok.14, E475; Lok.19, E679; Lok.22, E840; Lok.12, E459; Lok.45, E1980.

- A. austriaca* Lack; Lok. 41, E1634.  
*A. cretica* L. subsp. *anatolica* (Boiss.) Grierson; Lok. 30, E1395; Lok. 29, E1375; Lok. 44, E1888; Lok. 41, E1668; Lok. 40, E1602; Lok. 27, E1773; Lok. 11, E394; Lok. 18, E581; Lok. 7, E284; Lok. 17, E2018.  
*A. rosea* Sm. in Sibth. & Sm. subsp. *carnea* (Boiss.) Grierson; Lok. 31, E1408; Lok. 51, E2046, E2037; Lok. 1, E185; Lok. 8, E325; Lok. 14, E1922/a, Endemic.  
*A. tinctoria* L. var. *tinctoria*; Lok. 27, E1320; Lok. 41, E1663; Lok. 17, E1561; Lok. 20, E741; Lok. 19, E628; Lok. 46, E1991; Lok. 44, E1816.  
*A. auriculata* Boiss.; Lok. 31, E1656; Lok. 30, E1402, Medit.  
*Bellis annua* L.; Lok. 2, E205; Lok. 23, E1216, Medit.  
*Carduus nutans* L. subsp. *nutans*; Lok. 15, E521; Lok. 44, E1889; Lok. 14, E1968; Lok. 20, E1854.  
*C. pycnocephalus* L. subsp. *albidus* (M. Bieb.) Kazmi; Lok. 21, E1428/a.  
*Carlina corimbosa* L.; Lok. 50, E2263.  
*Centaurea bourgaei* Boiss.; Lok. 17, E558, Medit., Endemic.  
*C. cariensis* Boiss., Diagn. subsp. *maculiceps* O. Schwartz; Lok. 19, E626, Medit., Endemic.  
*C. cololepis* Boiss.; Lok. 27, E1330; Lok. 37, E1568, Endemic.  
*C. cyanus* L., Lok. 11, E395.  
*C. diffusa* Lam.; Lok. 49, E2177, Medit.  
*C. drabifolia* Sm. subsp. *cappadocica* (DC.) Wagenitz; Lok. 22, E849; Lok. 28, E1361.  
*C. iberica* Trev. Ex Spreng.; Lok. 21, E1912.  
*C. reuterana* Boiss. & Diagn. var. *reuterana*; Lok. 7, E794; Lok. 27, E1782, Medit., Endemic.  
*C. reuterana* Boiss. & Diagn. var. *phrygia* Bornm.; Lok. 22, E820; Lok. 17, E2013, Medit., Endemic.  
*C. solstitialis* L. subsp. *solstitialis*; Lok. 7, E285.  
*C. triumphettii* All. Grup A; Lok. 36, E1505/B; Lok. 8, E331; Lok. 18, E576; Lok. 51, E2041, Lok. 44, E1818, E1865.  
*C. urvillei* DC. subsp. *urvillei*; Lok. 19, E643; Lok. 38, E1585; Lok. 31, E1411; Lok. 10, E379, Medit.  
*Cichorium intybus* L.; Lok. 10, E375; Lok. 20, E2187.  
*Cirsium arvense* (L.) Scop. subsp. *vestium* (Wimm. & Grab.) Petr.; Lok. 7, E760.  
*C. vulgare* (Savi) Ten.; Lok. 19, E661.  
*Crepis alpina* L. Lok. 27, E1768.  
*C. foetida* L. subsp. *foetida*; Lok. 7, E2057.  
*C. foetida* L. subsp. *roeadifolia* (M. Bieb.) Celak.; Lok. 19, E636; Lok. 7, E781; Lok. 20, E1850.  
*C. sancta* (L.) Babç.; Lok. 14, E1944; Lok. 25, E1259.  
*Doranicum orientale* Hoffm.; Lok. 18, E594/a; Lok. 19, E639/a; Lok. 23, E1204.  
*Echinops ritro* L.; Lok. 22, E873; Lok. 10, E338; Lok. 7, E816; Lok. 49, E2180/a.  
*Evax anatolica* Boiss. & Heldr.; Lok. 22, E866, Ir.-Tur.  
*Filago eriocephala* Guss.; Lok. 14, E1916, Medit.  
*Gundelia tournefortii* L. var. *tenuisecta* Boiss.; Lok. 13, E467.  
*Helichrysum chionophilum* Boiss. & Ball; Lok. 17, E2020, Endemic.  
*H. pallasii* (Spreng.) Ledeb.; Lok. 22, E843, Ir.-Tur.  
*Hieracium pannosum* Boiss.; Lok. 20, E719, Medit.  
*Inula aucherana* DC.; Lok. 14, E1927; Lok. 45, E1975, Ir.-Tur.  
*I. helerolepis* Boiss.; Lok. 51, E2245; Lok. 11, E427/a, Medit.  
*I. viscosa* (L.) Aiton; Lok. 11, E381/a, Medit. (Gozlem)  
*I. montbretiana* DC.; Lok. 19, E624, E659, Ir.-Tur.  
*Jurinea consanguinea* DC.; Lok. 30, E1398; Lok. 33, E1460; Lok. 11, E417; Lok. 7, E807; Lok. 46, E1993; Lok. 44, E1877.  
*J. mollis* (L.) Reichb.; Lok. 12, E428; Lok. 20, E702.  
*Lactuca intricata* Boiss., Diagn; Lok. 19, E645; Lok. 20, E725, 2188, E1847; Lok. 29, E1371, Medit.  
*L. serriola* L.; Lok. 27, E1789; Lok. 51, E2247.  
*Lapsana communis* L. subsp. *intermedia* (M. Bieb.) Hayek; Lok. 44, E1886; Lok. 41, E1676.  
*Leontodon asperrimus* (Willd.) J. Ball; Lok. 20, E733; Lok. 14, E1948; Lok. 20, E1836; Lok. 39, E1610, Ir.-Tur.  
*L. hispidus* L. var. *hispidus*; Lok. 1, E181; Lok. 20, E711.  
*L. oxylepis* Boiss. & Heldr. var. *oxylepis*; Lok. 20, E721; Lok. 9, E1176; Lok. 39, E1597; Lok. 29, E1369; Lok. 30, E1406, Medit.  
*Logfia arvensis* (L.) Holub; Lok. 22, E848.  
*Onopordum illyricum* L.; Lok. 27, E1808, Medit.  
*Pallenis spinosa* (L.) Cass.; Lok. 10, E337, Medit.  
*Phagnalon greacum* Boiss.; Lok. 10, E399; Medit.  
*Picnomon acarna* (L.) Cass.; Lok. 42, E1407/a; Lok. 21, E1427/a, Medit.  
*Pilosella hoppeana* (Schultz) C.H. et. subsp. *troica* (Zahn) F.W. Schultz; Lok. 1, E177; Lok. 19, E644; Lok. 14, E1946; Lok. 44, E1878.  
*P. piloselloides* (Vill.) Sojak subsp. *megalomastix* (NP.) P.D. Sell & West; Lok. 39, E1611; Lok. 29, E1376; Lok. 30, E1406.  
*P. x auriculoides* (C.A. Lang) P.D. Sell & West; Lok. 18, E607; Lok. 19, E657.  
*Ptilestemon chamaepeuce* (L.) Less.; Lok. 8, E340, Medit.  
*P. afer* (Jack) Greuter subsp. *eburneus* Greuter; Lok. 51, E2231, Endemic.  
*Rhagadilous angulosus* (Joubert & Spach) Kupicha; Lok. 9, E1179.  
*R. stellatus* (L.) Gaertn. var. *edulis* (Gaertn.) DC.; Lok. 4, E218.  
*R. stellatus* (L.) Gaertn. var. *stellatus*; Lok. 8, 335.  
*Scorzonera eriophora* DC.; Lok. 12, E1425; Lok. 29, E1372, Endemic.  
*S. pisidica* Hub.-Mor.; T.F., E.Medit. Endemic.  
*S. suberosa* C. Koch. subsp. *cariensis* (Boiss.) Chamb.; T.F., Endemic.

*Senecio vernalis* Waldst. & Kit.; Lok.18, E596; Lok.10, E344.

*Tanacetum praeteritum* (Horw.) Heywood subsp. *massicyticum* Heywood; Lok.36, E1518, Endemic.

*T. praeteritum* Horw. subsp. *praeteritum*; Lok.22, E853, Medit., Endemic.

*Taraxacum butleri* Soest; Lok.17, E572.

*T. minium* (Briganti ex Guss.) Terracino; Lok.17, E1553.

*T. scaturiginosum* G.E. Haglund; Lok.17, E2000.

*Thyrimnus leucographus* (L.) Cass.; Lok.10, E373, Medit.

*Tragopogon latifolius* Boriss. var. *latifolius*; Lok.7, E288.

*T. longirostris* Bisch. ex Schultz var. *longirostris*; Lok.7, E289; Lok.48, E2028; Lok.39, E1617; Lok.28, E1333.

*Tripleurospermum disciforme* (C.A. Mey., Schultz); Lok.19, E687, Ir.-Tur.

*T. decipiens* (Fisch. & Mey.) Bornm.; Lok.36, E1534; Lok.27, E1807.

*Tussilago farfara* L.; Lok.24, E1231, E1317, Euro-Sib.

*Urospermum picroides* (L.) F.W. Schmidt; Lok.27, E1767, Medit.

*Xanthium spinosum* L.; Lok.13, E 467/a, (Gozlem).

*Xeranthemum annuum* L.; Lok.7, E762; Lok.45, E1989.

#### CONVOLVULACEAE

*Convolvulus arvensis* L.; Lok.8, E302; Lok.7, E2279; Lok.7, E282.

*C. lineatus* L.; Lok.48, E2024; Lok.27, E1803; Lok.8, E324.

#### CRASSULACEAE

*Rosularia chrysantha* (Boiss.) Tahkt.; Lok.20, E1861; Lok.15, E617, Medit., Endemic.

*R. libonatica* (Lab.) Muirhead; Lok.14, GrupC E1971.

*Sedum acre* L.; Lok.14, E1955; Lok.20, E1839; Lok.21, E1428.

*S. album* L.; Lok.9, E1185; Lok.48, E2038; Lok.20, E1862; Lok.19, E640; Lok.30, E1388.

*S. amplexicaule* DC.; Lok.14, E1940/b.

*S. hispanicum* L. var. *hispanicum*; Lok.20, E2184/b.

*S. laconicum* Boiss. & Heldr.; Lok.17, E1540, Medit.

*S. magellense* Ten., Prodr.; Lok.20, E734, Medit.

*S. pallidum* M.Bieb. var. *pallidum*; Lok.36, E1537/a.

*S. rubens* L.; Lok.41, E1666; Lok.10, E375/a, Medit.

*S. sempervivoides* M.Bieb.; Lok.20, E742, E718.

*S. nanum* Boiss.; Lok.22, E822; Lok.17, E2001; Lok.47, E1997; Lok.35, E1491, Ir.-Tur.

#### CRUCIFERAE (BRASSICACEAE)

*Aethionema arabicum* (L.) Andr.; Lok.8, E301.

*A. cordatum* (Desv.) Boiss.; Lok.17, E537; Lok.22, E837, Ir.-Tur.

*Alliaria petiolata* (M.Bieb.) Cavara & Grande.; Lok.23, E1209.

*Alyssum aurantiacum* Boiss.; Lok.26, E1273, Medit., Endemic.

*A. caricum* Dudley & Hub.-Mor.; T.F., Medit., Endemic.

*A. condensatum* Boiss. & Hausskn. subsp. *condensatum*; Lok.17, E1552; Lok.36, E1510.

*A. constellatum* Boiss.; Lok.11, E380.

*A. corsicum* Duby; Lok.22, E886/b.

*A. discolor* Dudley & Hub.-Mor.; T.F., Medit, Endemic.

*A. floribundum* Boiss. & Ball.; T.F.

*A. hirsutum* M.Bieb. var. *caespitosum* Dudley; T.F.

*A. minus* (L.) Rothm. var. *micranthum* (Meyen) Dudley; Lok.14, E476.

*A. minus* (L.) Rothm. var. *minus*; Lok.12, E1420; Lok.23, E1223, E1191; Lok.25, E1245, E1254; Lok.36, E1532; Lok.8, E307.

*A. murale* Woldst. & Kit. var. *murale*; Lok.48, E2036; Lok.22, E825; Lok.17, E544; Lok.20, E715.

*A. pterocarpum* Dudley; Lok.4, E230, Medit., Endemic.

*A. sibiricum* Willd; Lok.49, E2164; Lok.27, E1321.

*A. smyrnaeum* Meyen; Lok.17, E554; Lok.5, E250; Lok.3, E214, Medit.

*A. umbellatum* Desv.; Lok.11, E385/a, Medit.

*Arabis caucasica* Willd subsp. *caucasica*; Lok.20, E1898.

*A. caucasica* Willd; subsp. *brevifolia* (DC.); Lok.24, E1230; Lok.17, E562; Lok.17, E543; Lok.4, E235; Lok.17, E1550; Lok.6, E255, Medit.

*A. deflexa* Boiss.; Lok.25, E1256/a, Medit.

*A. nova* Vill.; Lok.16, E504.

*A. sagittata* (Bertol.) DC.; Lok.19, E690; Lok.41, E1629.

*A. verna* (L.) DC.; Lok.4, E231; Lok.25, E1248, Medit.

*Aubrieta deltoidea* (L.) DC.; Lok.20, E1855, E1899; Lok.23, E1221; Lok.19, E699; Lok.14, E1952; Lok.22, E825; Lok.16, E487; Lok.17, E563; Lok.3, E215.

*Aurinia rupestris* (Ten.) Cullen & Dudley subsp. *cyclocarpa* (Boiss.) Cullen & Dudley; Lok.17, E561/a, Endemic.

*Barbarea intermedia* Bor; Lok.16, E485.

*B. verna* (Mill.) Asch.; Lok.25, E1258.

*B. vulgaris* R.; Lok.6, E257.

*Biscutella didyma* L.; Lok.8, E296.

*Capsella bursa-pastoris* (L.) Medik.; Lok.8, E316; Lok.17, E1567.

*C. rubella* Reut.; Lok.25, E1243, Medit.

*Cardamine greaca* L.; Lok.23, E1203; Lok.25, E1233.

*C. hirsuta* L.; Lok.25, E1240.

*Cardaria draba* (L.) Desv. subsp. *chalepensis* (L.) O.E. Schultz; Lok.15, E606; Lok.18, E599; Lok.7, E2276.

*Conringia orientalis* (L.) Andr.; Lok.18, E592; Lok.7, 1484; Lok.25, E1260.

*C. perfoliata* (C.A.Mey.) Busch; Lok.23, E1190.

*Descurainia kochii* (Petri) Schultz.; Lok.23, E1192.

*D. sophia* (L.) Webb ex Prantl; Lok.23, E1193.

*Erophila verna* (L.) Chevall. subsp. *verna*; Lok.2, E212; Lok.25, E1246.  
*Erysimum caricum* Boiss.; Lok.26, E1271; Lok.25, E1247; Lok.38, E1579; Lok.43, E1650; Lok.27, E1791; Lok.22, E847; Lok.7, E774; Lok.22, E876; Lok.12, E449; Lok.49, E2055; Lok.41, E1660, Medit, Endemic.  
*E. crassipens* Fisch. & Meyen; Lok.7, E761.  
*E. goniocaulon* Boiss., Diggn; Lok.19, E618; Lok.19, E618; Lok.14, E1970; Lok.20, E1860.  
*E. kotschyana* Gay, Erys.; Lok.17, E1551, Endemic.  
*E. pusillum* Bory & Chaub.; Lok.12, E448; Lok.11, E440; Lok.17, E553, Medit.  
*Fibigia clypeata* (L.) Medik.; Lok.46, E1987.  
*Iberis attica* Jord., Obs., Pl. Crit; Lok.11, E407.  
*I. sempervirens* L.; Lok.20, E705, E1864; Lok.26, E1274, Medit.  
*I. spruneri* Jord.; Lok.23, E1224, Medit.  
*I. taurica* DC.; Lok.11, E387; Lok.4, E236/a; Lok.11, E414/a.  
*Isatis tinctoria* L. subsp. *tomentella* Boiss.; Lok.8, E300.  
*Malcolmia chia* (L.) DC.; Lok.11, E402, Medit.  
*Scariola viminia* (L.) F. W. Schmidt.; Lok.9, E1175.  
*Sisymbrium altissimum* L.; Lok.19, E694, E695; Lok.27, E1784.  
*S. officinale* (L.) Scop.; Lok.19, E696.  
*Thlaspi ochroleucum* Boiss. & Heldr.; Lok.17, E545.  
*T. perfoliatum* L.; Lok.17, E549; Lok.24, E1211; Lok.2, E211; Lok.25, E1244; Lok.16, E490; Lok.23, E1214/a.  
*T. papillosum* Boiss.; Lok.26, E1272, Endemic.

#### CUSCUTACEAE

*Cuscuta planiflora* Ten.; Lok.44, E1814; Lok.41, E1674; Lok.20, E729; Lok.19, E621.

#### DIOSCOREACEAE

*Tamus communis* L. subsp. *cretica* (L.) Kit Tan; Lok.28, E1353.

#### DIPSACACEAE

*Knautia integrifolia* (L.) Bert var. *bidens* (Sm.) Borbas; Lok.19, E660; Lok.14, E1967; Lok.20, E1845, Medit.  
*Pteroccephalus pinardii* Boiss.; Lok.22, E823, Medit, Endemic.  
*P. plumosus* (L.) Coult.; Lok.20, E1862/a; Lok.10, E361.  
*Scabiosa argentea* L.; Lok.7, E780; Lok.9, E1178; Lok.51, E2049; Lok.38, E1587; Lok.50, E2204, E2211.  
*S. calocephala* Boiss.; Lok.48, E2035; Lok.27, E1325, Ir.-Tur.  
*S. rotata* M.Bieb.; Lok.38, E1577; Lok.7, E771; Lok.27, E1786; Lok.44, E1817, Ir.-Tur.

#### ERICACEAE

*Arbutus andrachne* L.; Lok.33, E1452; Lok.50, E2266.

#### EUPHORBIACEAE

*Andrachne telephioides* L.; Lok.11, E399/c; Lok.44, E1881; Lok.50, E2203.  
*Euphorbia aleppica* L.; Lok.43, E1649.  
*E. anacampseros* Boiss. var. *anacampseros*; Lok.47, E1996; Lok.38, E1578, Endemic.  
*E. dendroides* L.; Lok.33, E1454, Medit.  
*E. falcata* L. subsp. *falcata* var. *falcata*; Lok.41, E1639; Lok.44, E1868; Lok.27, E1779; Lok.7, E808.  
*E. herniariifolia* Willd var. *glaberrima* Hal.; Lok.14, E1951.  
*E. herniariifolia* Willd var. *herniariifolia*; Lok.29, E1380; Lok.25, E1234; Lok.30, E1389; Lok.38, E1590; Lok.20, E1900; Lok.17, E570; Lok.2, E195, E209.  
*E. kotschyana* Fenzl; Lok.20, E1911; Lok.1, E170.  
*E. rigida* M.Bieb.; Lok.4, E229; Lok.31, E1410; Lok.51, E2230; Lok.50, E2256.  
*Mercurialis annua* L.; Lok.20, E1860/a; Lok.10, E336.

#### FAGACEAE

*Quercus coccifera* L.; Lok.33, E1459; Lok.50, E2213.  
*Q. infectoria* Olivier subsp. *boissieri* (Reut.) O. Schwartz; Lok.1, E189; Lok.12, E1423.  
*Q. pubescens* Willd, Berl, Baumz.; Lok.44, E1882, Lok.41, E1681; Lok.38, E1576.  
*Q. trojana* Webb; Lok.28, E1362; Lok.1, E188.

#### GENTIANACEAE

*Centaurium erythraea* Rafn subsp. *erythraea*; Lok.51, E22; Lok.50, E2212, Euro.-Sib.

#### GERANIACEAE

*Erodium cicutarium* (L.) L' Her. subsp. *cutarium*; Lok.3, E216; Lok.2, E197; Lok.8, E320; Lok.23, E1195.  
*Geranium cinereum* Cav. Monach. var. *subcaulescens* (L'Her.ex DC) Hayek; T.F.  
*G. lucidum* L.; Lok.14, E1949; Lok.8, 326/a; Lok.32, E1450 (Gozlem).  
*G. molle* L. subsp. *molle*; Lok.51, E2227.  
*G. pyrenaicum* Burm.; Lok.14, E1940/c; Lok.8, E315/a; Lok.35, E1483.  
*G. tuberosum* L.; Lok.12, E451; Lok.17, E2004; Lok.14, 1943/a.  
*Pelargonium endlicherianum* Fenzl; Lok.30, E1400; Lok.19, E1315.

#### GLOBULARIACEAE

*Globularia dumulosa* O. Schwartz; Lok.22, E880, Medit, Endemic.

#### CLUSIACEAE (GUTTIFERAE)

*Hypericum atomarium* Boiss.; Lok.20, E2185; Lok.29, E1381, Medit.

*H. aviculariifolium* Jaub. et. Spach subsp. *aviculariifolium* var. *aviculariifolium*; Lok.7, E812.  
*H. aviculariifolium* Jaub. et. Spach subsp. *depilatum* (Freyn & Bornm.) Robson var. *depilatum*; Lok.22, E824; Lok.14, E1934, Endemic.  
*H. aviculariifolium* Jaup et. Spach. subsp. *byzantinum* (Azn.) Robson; Lok.11, E399/d.  
*H. confertum* Coisy subsp. *confertum*; Lok.1, E180.  
*H. lydiium* Boiss.; Lok.13, E467/a.  
*H. montbretti* Spach; T.F.  
*H. perfoliatum* L.; Lok.20, E717, E701; Lok.49, E2158.  
*H. scabrum* L.; Lok.28, E1357, Ir.-Tur.  
*H. triquetrifolium* Turra; Lok.4, E222.

#### ILLECEBRACEAE

*Herniaria glabra* L.; Lok.21, E1917; Lok.31, E1657; Lok.20, E708.  
*H. hirsuta* L.; T.F.  
*H. incana* Lam.; Lok.46, E1990; Lok.15, E511; Lok.22, E842; Lok.31, E1415.  
*H. micrantha* A.K. Jacks. & Turrill; Lok.14, E1940, Medit.  
*Paronychia argentea* Lam. var. *argentea*; Lok.50, E2206, Medit.  
*P. argyroloba* Stapf; Lok.17, E1542; Lok.36, E1504; Lok.18, E588; Lok.22, E841, Endemic.  
*Sclerantus annus* L. subsp. *vertisillatus* (Tausch) Arc.; Lok.36, E1511.

#### LAMIACEAE (LABIATAE)

*Acinos rotundifolius* Pers.; Lok.8, E333, E314; Lok.11, E424; Lok.14, E1923.  
*Ajuga bobicina* Boiss.; Lok.15, E514; Lok.1, E174; Lok.20, E841; Lok.22, E875, Medit., Endemic.  
*A. chamaepitys* (L.) Schreb. subsp. *cypria* P.H.Davis; Lok.28, E1338, Medit.  
*A. chamaepitys* (L.) Schreb. subsp. *glareosa* P.H. Davis; Lok.17, E1555.  
*A. chamaepitys* (L.) Schreb. subsp. *mesogitana* (Boiss.) Bornm.; Lok.14, E1941, Medit.  
*A. chamaepitys* (L.) Schreb. subsp. *chia* (Shreber) Arcang. var. *chia*; Lok.11, E283.  
*A. chamaepitys* (L.) Schreb. subsp. *palaestina* (Boiss.) Bornm.; Lok.11, E389.  
*A. salicifolia* (L.) Schreb.; Lok.27, E1327/a, E1810; Lok.42, E1640, Ir.-Tur.  
*Ballota pseudodictamnus* (L.) subsp. *lycia* Hub.-Mor.; Lok.10, E362, Medit., Endemic.  
*Clinopodium vulgare* L. subsp. *arundanum* (Boiss.) Nyman; Lok.12, E1424.  
*C. vulgare* L. subsp. *vulgare*; Lok.27, E1775; Lok.44, E1887, E1829; Lok.19, E630.  
*Coridothymus capitatus* (L.) Rechb.; Lok.50, E2265.

*Lallemantia iberica* (M.Bieb.) Fisch. & Meyen; Lok.44, 1821, Ir.-Tur.  
*Lamium amplexicaule* L.; Lok.10, E261.  
*L. caricense* R.B.Mill.; Lok.14, E472, Medit.  
*L. lycidum* Boiss.; Lok.2, E194; Lok.15, E533; Lok.18, E577; Lok.2, E194; Lok.23, E1208, Endemic.  
*L. moschatum* Mill., Gard var. *rhodium* (Gand.) R.B. Mill.; Lok.20, E1894, Medit., Endemic.  
*Marrubium bourgaei* Boiss. subsp. *bourgaei*; Lok.22, E863; Lok.48, E2242; Lok.14, E1926; Lok.36, E1523, Medit., Endemic.  
*Melissa officinalis* L. subsp. *altissima* (Sm.) Arcang.; Lok.51, E2220, Medit.  
*Micromeria cristata* (Hampe) Griseb. subsp. *xylorrhiza* Boiss. (Heldr.); Lok.1, E184, E.Medit. Endemic.  
*M. myrtifolia* Boiss. & Hohen.; Lok.10, E370, E359; Lok.51, E2223; Lok.50, E2261, Medit.  
*Nepeta italica* L.; Lok.20, E731.  
*N. nuda* L. subsp. *albiflora* Boiss.; Lok.18, E591; Lok.12, E452.  
*N. nuda* L. subsp. *lydiae* P.H.Davis; Lok.19, E646, Medit, Endemic.  
*Origanum hypericifolium* O. Schwartz & P.H. Davis; Lok.9, E1177, Medit., Endemic.  
*O. onites* L.; Lok.19, E635; Lok.10, E351; Lok.14, 1925; Lok.41, E1661; Lok.32, E1443, Lok.51, E2226, E2243, Medit.  
*O. sipyleum* L.; Lok.29, E1370, Medit., Endemic.  
*Phlomis armeniaca* Willd; Lok.7, E784; Lok.14, E1924; Lok.27, E1796, Ir.-Tur., Endemic.  
*P. bourgaei* Boiss.; Lok.51, E2216, Medit., Endemic.  
*P. lycia* D. Don; Lok.10, E358, E347, Medit., Endemic.  
*P. samia* L.; Lok.12, E1426.  
*P. viscosa* Poir.; Lok.44, E1883, Medit.  
*P. pungens* Willd var. *laxiflora* Velen.; Lok.27, E1788.  
*P. grandiflora* H.S.Thomps. var. *grandiflora*; Lok.20, E739.  
*Prunella lacinata* (L.); Lok.19, E669; Lok.45, E9181; Lok.41, E1637, Euro-Sib.  
*P. vulgaris* L.; Lok.49, E2175, Euro-Sib.  
*Salvia argentea* L.; Lok.15, E520; Lok.35, E1503, Medit.  
*S. candidissima* Vahl Enum. subsp. *occidentalis* Hedge.; Lok.47, E1995.  
*S. chionantha* Boiss., Diagn.; Lok.14, E473, Medit., Endemic.  
*S. chrysophylla* Stapf; Lok.49, E2176, Ir.-Tur., Endemic.  
*S. dichroantha* Stapf; Lok.19, E686, Ir.-Tur., Endemic.  
*S. frigida* Boiss.; Lok.20, E706, Ir.-Tur.  
*S. fruticosa* Mill., Gard; Lok.20, E1852; Lok.34, E1466; Lok.38, E1349, Medit.  
*S. nydeggeri* Hub.-Mor.; T.F., Medit., Endemic.  
*S. pinnata* L.; Lok.39, E1628, Medit.  
*S. potentillifolia* Boiss. & Heldr.; Lok.7, E805; Lok.19,

- E632; Lok.7, E815, Medit., Endemic.  
*S. sclarea* L.; Lok.19, E663, E678; Lok.22, E869; Lok.48, E2040; Lok.20, E1840; Lok.27, E1809.  
*S. tomentosa* Mill.; Lok.15, E530, Lok.15, E530, Lok.46, E1992; Lok.21, E1432.  
*S. verbenaca* L.; Lok.7, E782.  
*Scutellaria orientalis* L. subsp. *pinnatifida* Edmandston; Lok.15, E509; Lok.8, E323.  
*S. rubicunda* Hohen. subsp. *brevibracteata* (Stapf) Edmondson; Lok.20, E732, Endemic.  
*Sideritis leptoclada* O. Schwarz & P.H. Davis; Lok.20, E710, Medit.  
*S. libanotica* Boiss. & Heldr. subsp. *linearis* (Benth.) Bornm.; Lok.10, E363.  
*S. perfoliata* L.; T.F., Medit.  
*S. pisidica* Boiss. & Heldr.; Lok.17, E961, Medit, Endemic.  
*S. syplea* Boiss.; Lok.9, E1180, Endemic.  
*Stachys annua* (L.) L. subsp. *annua* var. *annua*; Lok.15, E524; Lok.27, E1795.  
*S. lavandulifolia* Vahl var. *lavandulifolia*; Lok.36, E1506, Ir.-Tur.  
*S. cretica* L. subsp. *anatolica* Rech.; Lok.46, E1994; Lok.44, E1827; Lok.38, E1360, Ir.-Tur., Endemic.  
*S. cretica* L. subsp. *smyrnaea* Rech.; Lok.50, E2202, Medit., Endemic.  
*Teucrium chamaedrys* L. subsp. *chamaedrys*; Lok.35, E1502; Lok.14, E1935; Lok.42, E1643, Euro-Sib.  
*T. chamaedrys* L. subsp. *lydium* O. Schwartz; Lok.19, E633, E665, E658; Lok.41, E1664; Lok.51, E2228; Lok.50, E2252, Medit.  
*T. chamaedrys* L. subsp. *tauricum* Rech.; Lok.49, E2173, Medit., Endemic.  
*T. montbretii* Benth. subsp. *pamphylicum* P.H. Davis; Lok.10, E353, Medit., Endemic.  
*T. polium* L.; Lok.36, E1512/a, E1524; Lok.1, E186; Lok.51, E2244; Lok.10, E346; Lok.14, E1937; Lok.27, E1790; Lok.33, E1453.  
*Thymbra spicata* L. var. *intricata* P.H.Davis; Lok.51, E2221, E2242; Lok.49, E2170, Medit., Endemic.  
*Thymus longicaulis* C. Presl. subsp. *chaubardii* (Boiss. & Heldr. ex Rech.f.) var. *chaubardii*; Lok.20, E1905; Lok.14, E1954.  
*T. longicaulis* C. Presl. subsp. *chaubardii* var. *alternatus* Jalas; Lok.24, E1485.  
*T. sipyleus* Boiss. subsp. *rosulans* (Barbaz.); Lok.22, E838.  
*T. sipyleus* Boiss. subsp. *sipyleus* var. *sipyleus*; Lok.48, E2025, Endemic.  
*T. zigoides* Griseb. var. *lycaonicus* (Celak.); Lok.19, E631; Lok.15, E615; Lok.31, E1659/a; Lok.21, E1427; Lok.36, E1531; Lok.14, E1972; Lok.49, E2159, Medit., Endemic.  
*Ziziphora capitata* L.; Lok.44, E1867; Lok.41, E1638, Ir.-Tur.  
*Z. clinipodioides* Lam.; Lok.1, E175.  
*Z. taurica* M.Bieb. subsp. *taurica*; Lok.34, E1466/a, Ir.-Tur.  
*Z. tenuior* L.; Lok.30, E1393.
- FABACEAE (LEGUMINOSAE)**  
*Anthyllis hermanniae* Boiss.; Lok.11, E382/a, Medit.  
*A. tetraphylla* L.; Lok.11, E385.  
*A. vulneraria* L. subsp. *praepropera* (F. Kern.) Bornm.; Lok.12, E444; Lok.11, E382; Lok.34, E1469; Lok.44, E1875, Medit.  
*A. vulneraria* L. subsp. *pulchella* (Vis.) Bornm.; Lok.12, E819.  
*Astragalus angustifolius* Lam. subsp. *angustifolius* var. *angustifolius*; Lok.15, E515; Lok.22, E883.  
*A. angustifolius* Lam. subsp. *angustifolius* var. *violaceus* Boiss.; Lok.17, E1548, Lok.48, E2023; Lok.21, E1430.  
*A. angustifolius* Lam. subsp. *pungens* (Willd) Hayek; Lok.15, E517, E484.  
*A. cadmicus* Boiss.; Lok.18, E582, Endemic.  
*A. calmicus* Boiss.; Lok.12, E432, Endemic.  
*A. campylosema* Boiss. subsp. *atropurpureus* (Boiss.) Chamb.; Lok.7, E811, Endemic.  
*A. campylosema* Boiss. subsp. *campylosema*; Lok.44, E1879, Ir.-Tur., Endemic.  
*A. condensatus* Ledeb.; T.F., Endemic.  
*A. creticus* Lam.; Lok.14, E1973; Lok.41, E1682.  
*A. depressus* L.; Lok.17, E561.  
*A. dirmilensis* Hub.-Mor. & Reese; Lok.10, E1390; Lok.49, E2154, Endemic.  
*A. gymnobolus* L.Fisch.; Lok.8, E299, Endemic.  
*A. hamosus* L.; Lok.7, E768.  
*A. hirsutus* Vahl; Lok.17, E559; Lok.22, E821; Lok.17, E1558, Endemic.  
*A. leporinus* Boiss. var. *leporinus*; Lok.35, E1496, Endemic.  
*A. lycius* Boiss.; Lok.20, E714, Lok.29, E1374, Endemic.  
*A. macrourus* L. Fisch. & Meyen.; Lok.15, Grup C, E512.  
*A. nitens* Boiss. & Heldr.; Lok.7, E803; Lok.27, E1793, Endemic.  
*A. odoratus* Lam.; Lok.20, E476.  
*A. onobrychis* L.; Lok.8, E309.  
*A. oxytropifolius* Boiss.; Lok.48, E2030, Ir.-Tur., Endemic.  
*A. pinetorum* Boiss.; Lok.23, E1212, Lok.13, E462, Lok.7, E809; Lok.17, E2015; Lok.38, E1582, Ir.-Tur., Endemic.  
*A. plumosus* Willd var. *krugeanus* (Freyn & Bornm.) Chamb. & Matthews; Lok.22, E881, E882, Endemic.  
*A. schizopterus* Boiss.; Lok.23, E1207, Medit., Endemic.  
*A. strictispinis* Boiss.; Lok.19, E685, Endemic.  
*A. tmoleus* Boiss. var. *bounacanthus* (Boiss.) Chamb.; Lok.45, E1974, Endemic.  
*A. tmoleus* Boiss. var. *tmoleus*; Lok.27, E1332.

- A. warburgii* Bornm.; Lok.36, E1520; Lok.35, E1497, Endemic.  
*Ceratonia siliqua* L.; Lok.10, E360, Lok.50, E2270.  
*Cercis siliquastrum* L. subsp. *siliquastrum*; Lok.28, E1358; Lok.10, E379/a, Lok.50, E2267.  
*Chamaecytisus eriocarpus* (Boiss.) Rothm.; T.F.  
*Coranilla emerus* L. subsp. *emeroides* Boiss. & Sprum; Lok.12, E447; Lok.47, E1998; Lok.27, E1325; Lok.39, E1596; Lok.19, E1622.  
*C. varia* L. subsp. *varia*; Lok.15, E478; Lok.20, E726; Lok.39, E1594.  
*C. scorpioides* (L.) Koch; Lok.7, E806, Lok.27, E1763; Lok.43, E1646.  
*Cytisopsis dorycniifolia* Jaub. & Spach subsp. *reeseana* (Guyot) Hub.-Mor.; Lok.7, E795, Endemic.  
*C. dorycniifolia* Jaub. & Spach subsp. *dorycniifolia*, Lok.22, E828; Lok.4, E238.  
*Dorycnium pentaphyllum* Scop. subsp. *anotolicum* (Boiss.) Gams; Lok.15, E613; Lok.42, E1645.  
*Ebemos pisidica* Hub.-Mor. & Reese; T.F., Endemic.  
*E. reesei* Hub.-Mor. var. *reesei*; Lok.1 E433; Lok.34, E1467; Lok.33, E1456; Lok.30, E1392, Medit., Endemic.  
*Genista aucheri* Boiss.; Lok.22, E854, Endemic.  
*G. burdurensis* P.E. Gibbs; Lok.11, E1433, Ir.-Tur., Endemic  
*Gonocytisus dirmilensis* Hub.-Mor.; Lok.7, E766, Medit., Endemic.  
*Hedysarum varium* Willd; Lok.7, E813; Lok.27, E1794, E1326; Lok.29, E1581, Ir.-Tur.  
*H. pestalozzae* Boiss.; Lok.15, E608; Lok.49, E2169; Lok.44, E1825, Ir.-Tur., Endemic.  
*Lathyrus annuus* L.; Lok.39, E1618.  
*L. aphaca* L. var. *biflorus*; Lok.10, E341.  
*L. digitatus* M.Bieb.; Lok.15, E616.  
*L. laxiflorus* (Desf.) Kuntze subsp. *laxiflorus*; Lok.24, E1473.  
*L. saxatilis* (Vent.) Vis.; Lok.39, E1612, Medit.  
*L. setifolius* L.; Lok.23, E1209, Medit.  
*L. tauricola* P.H. Davis; Lok.24, E1475, Endemic.  
*Lotononis genistoides* (Fenzl) Benth.; Lok.7, E801; Lok.27, E1798; Lok.44, E1871; Lok.39, E1592, Ir.-Tur.  
*Lotus corniculatus* L. var. *corniculatus*; Lok.24, E1474; Lok.42, E1641; Lok.15, E610.  
*Medicago coranata* L.; Lok.8, E329; Lok.10, E378; Lok.8, E329, Medit.  
*M. coronata* L.; *M. lupulina* L.; Lok.7, E763; Lok.15, E516; Lok.39, E1621.  
*M. minima* (L.) Barth var. *minima*; Lok.14, E1931; Lok.10, E371.  
*M. polymorfa* L. var. *vulgaris* (Benth.) Shinners; Lok.31, E1658.  
*M. radiata* L.; Lok.27, E1811, Ir.-Tur.  
*M. rigidula* (L.) All. var. *rigidula*; Lok.43, E1647; Lok.44, E1885.  
*M. x varia* Mortyn; Lok.19, E664; Lok.13, E464; Lok.40, E1601.  
*Melilotus alba* Desr.; Lok.7, E770.  
*M. officinalis* (L.) Desf.; Lok.44, E1834; Lok.7, E2278.  
*Onobrychis armena* Boiss & Huet., T.F., Endemic.  
*O. hypargyrea* Boiss.; Lok.7, E796; Lok.49, E2170.  
*O. oxydonta* Boiss.; Lok.37, E1571; Lok.8, E297; Lok.27, E1797; Lok.7, E778, E776; Lok.15, E510.  
*Ononis adenotricha* Boiss. var. *adenotricha*; Lok.36, E1526; Lok.7, E779; Lok.24, E1483; Lok.1, E178; Lok.17, E2017; Lok.27, E1792, Medit.  
*O. natrix* L. subsp. *natrix*, T.F.  
*O. pusilla* L.; Lok.30, E1381/a; Lok.42, E1641; Lok.37, E1572; Lok.32, E1600; Lok.19, E1625, E670; Lok.49, E2166, E2157; Lok.51, E2217, Medit.  
*O. spinosa* L.; Lok.19, E684.  
*Pisum sativum* L. subsp. *elatus* (M.Bieb.) Asch. & Graebn. var. *elatus*; Lok.20, E1896.  
*Trifolium affine* Pers.; Lok.45, E1986; Lok.14, E1961; Lok.40, E1603.  
*T. boissieri* Guss. ex Boiss.; Lok.10, E369.  
*T. campestre* Schreb.; Lok.45, E1978; Lok.36, E1523/a.  
*T. hirsutum* All.; Lok.11, E395/a; Lok.14, E1929.  
*T. hybridum* L. var. *hybridum*; Lok.15, E529.  
*T. nigrescens* Viv. subsp. *petrisavii* (Clem.) Holmboe; Lok.16, E493.  
*T. physodes* Skv. Ex M.Bieb. var. *physodes*; Lok.19, E650; Lok.39, E1620; Lok.40, E1605; Lok.31, E1414.  
*T. resupinatum* L. var. *resupinatum* Rouy & Fauc.; Lok.18, E587; Lok.22, E874; Lok.44, E1876.  
*T. scabrum* L.; Lok.41, E1665; Lok.40, E1604.  
*Trigonella balansae* Boiss. & Reut.; Lok.8, E321.  
*T. cariensis* Boiss.; Lok.43, E1648, Medit.  
*T. corniculata* L.; Lok.39, E1631/a.  
*T. monspeliaca* L.; Lok.48, E2045; Lok.48, E2045; Lok.20, E1894, Medit.  
*T. pseudocapitata* Contandr. & Quezel; Lok.16, E494; Medit., Endemic.  
*T. smyrnea* Boiss.; Lok.4, E226, Medit., Endemic.  
*T. spruneriana* Boiss. var. *sibthorpii* (Boiss.) Hub.-Mor.; Lok.20, E1897, Medit.  
*Vicia anatolica* Turrill; Lok.15, E532, Ir.-Tur.  
*V. cracca* L. subsp. *stenophylla* Vell.; Lok.8, E298; Lok.15, E534; Lok.7, E777; Lok.14, E1933; Lok.39, E1595.  
*V. ervilia* (L.) Willd; Lok.7, E293.  
*V. peregrina* L.; Lok.7, E293/a.  
*V. pubescens* (DC.) Link; Lok.4, E225, Medit.  
*V. sativa* L. subsp. *sativa*; Lok.4, E223.  
*V. villosa* Roth subsp. *villosa*; Lok.44, E1830.

#### LINACEAE

*Linum mucranatum* Bertol. subsp. *gypsicola* P.H.Davis



var. *papilliferum* (Hub.-Mor. & Reese) P.H.Davis; Lok.15, E611, Ir.-Tur., Endemic.

*L. pamphylicum* (Boiss.) Podp.; Lok.12, E458, Medit., Endemic.

*L. tenuifolium* L.; Lok.34, E1461; Lok.29, E1378; Lok.28, E1354; Lok.7, E2053.

#### LORANTHACEAE

*Viscum album* L. subsp. *album*; Lok.23, E1197.

#### MALVACEAE

*Alcea pallida* Woldst. & Kit.; Lok.10, E368; Lok.49, E2178.

*Malva neglecta* Wallr.; Lok.8, E318.

#### MYRTACEAE

*Myrtus communis* L. subsp. *communis*; Lok.10, E354; Lok.51, E2241.

#### OLEACEAE

*Jasminum fruticans* L.; Lok.27, E1811/a, Medit.

*Olea europaea* L. var. *sylvestris* (Mill.) Lehr; Lok.50, E2254.

*Phillyrea latifolia* L.; Lok.11, E423; Lok.50, E2268, Medit.

#### ONAGRACEAE

*Epilobium anatolicum* Hausskn. subsp. *anatolicum*; Lok.22, E833.

*E. angustifolium* L.; Lok.21, E480.

#### OROBANCHACEAE

*Orobanche cernua* Loefl.; Lok.39, E1619.

*O. cilicica* Beck; Lok.19, E648.

*O. nana* Noe ex. Beck; Lok.8, E308.

*O. ramosa* L.; Lok.14, E1822; Lok.11, E398, E372.

#### PAEONIACEAE

*Paeonia turcica* P.H. Davis & Cullen; Lok.28, E1363; Lok.24, E1225; Lok.9, E1184, Medit., Endemic.

#### PAPAVERACEAE

*Corydalis rutifolia* (Sibth. & Sm.) DC. subsp. *erdellii* (Zucc.) Cullen & P.H.Davis; Lok.26, E1267.

*C. solida* (L.) Sw. subsp. *solida*; Lok.6, E252; Lok.17, E541; Lok.25, E1257.

*Fumaria asepala* Boiss.; Lok.27, E1799; Lok.8, E322, Ir.-Tur.

*Glaucium flavum* Crantz; Lok.27, E1771; Lok.7, E286.

*Hypecoum imberbe* Sibth. & Sm.; Lok.23, E1196.

*Papaver apokrinomenon* Fedde; Lok.14, E1968, Endemic.

*P. dubium* L.; Lok.7, E2280.

*P. rhoeas* L.; Lok.44, E1823.

*P. strictum* Boiss. & Ball; Lok.21, E1437, Endemic.

#### PLANTAGINACEAE

*Plantago lanceolata* L.; Lok.27, E1787, E1331; Lok.39, E1625; Lok.30, E1383; Lok.18, E604.

#### PLATANACEAE

*Platanus orientalis* L.; Lok.51, E2236.

#### PLUMBAGINACEAE

*Acantholimon puberulum* Boiss. & Ball var. *longiscapum* Bokhari; Lok.22, E855, Endemic.

*A. venustum* Boiss. var. *laxiflorum* (Boiss. ex Bunge) Bokhari; Lok.20, E2184/c.

#### POLYGALACEAE

*Polygala pruinosa* Boiss. subsp. *pruinosa*; Lok.47, E1999; Lok.14, E1920; Lok.33, E1458; Lok.15, E518; Lok.21, E1431.

*P. anatolica* Boiss. & Heldr.; Lok.44, E1819; Lok.37, E1573.

*P. comosa* Schkuhr; Lok.42, E1644.

*P. supina* Schreb.; Lok.19, E642; Lok.15, E507.

#### POLYGONACEAE

*Polygonum amphibium* L.; Lok.8, E305.

*P. bellardii* All.; Lok.27, E1319.

*P. cognatum* Meisn.; Lok.20, E1849, E730.

*P. salebrosum* Coode & Cullen; Lok.1, E171, Endemic.

*Rumex acetosella* L.; Lok.18, E480.

*R. crispus* L.; Lok.21, E1914.

#### PRIMULACEAE

*Cyclamen coum* Mill. var. *coum*, Gard.; Lok.6, E254.

*Primula vulgaris* Huds. subsp. *vulgaris*; Lok.6, E256.

#### RANUNCULACEAE

*Adonis annua* L.; Lok.7, E287/a, Medit.

*A. flammea* Jacq.; Lok.7, E287.

*Anemone blanda* Schott & Kotschy; Lok.2, E203; Lok.17, E542; Lok.24, E1229.

*Anemone coronaria* L.; Lok.7, E280/a (Gozlem).

*Cerotocephalus falcatus* (L.) Pers.; Lok.2, E210.

*C. testiculatus* (Crantz) Roth; Lok.17, E551.

*Consolida hellopontica* (Boiss.) Chuter.; Lok.7, E802; Lok.27, E1772; Lok.44, E1813; Lok.44, E1813.

*C. orientalis* (Gay) Schrod.; Lok.7, E280.

*Delphinium fissum* Waldst. & Kit. subsp. *anatolicum* Chowdhuri & P.H. Davis; Lok.21, E1917/a, Endemic.

*Ranunculus argyreus* Boiss.; Lok.12, E431, E445; Lok.20, E1907.

*R. arvensis* L.; Lok.13, E465; Lok.15, E612.

*R. demissus* DC.; Lok.15, E2005, Endemic.

*R. ficaria* L. subsp. *ficariiformis* Rouy & Fauc.; Lok.23, E1210.

*R. marginatus* d'Urv. var. *trachycarpus* (Fisch. & Meyen.) Azn.; Lok.8, E310; Lok.25, E1235.  
*R. millefoliatus* Vahl; Lok.4, E234; Lok.17, E567.  
*R. repens* L.; Lok.15, E525.  
*R. reuterianus* Boiss.; Lok.16, E491; Lok.23, E1202, Endemic.

#### RESEDACEAE

*Reseda lutea* L. var. *lutea*; Lok.3, E217/b (Gozlem)

#### RHAMNACEAE

*Paliurus spina-christi* Mill.; Lok.51, E2250; Lok.49, E2264.  
*Rhamnus pichleri* Schneider & Bormm. ex Bormm.; Lok.4, E228, Medit., Endemic.  
*Sageratia spinosa* Wettst.; Lok.19, E683.

#### ROSACEAE

*Agrimonia eupatoria* L.; Lok.41, E1637.  
*Cerasus prostrata* (Laban) Ser. var. *prostrata*; Lok.17, E547.  
*Cotoneaster nummularia* Fisch. & Meyen; Lok.12, E435; Lok.22, E893; Lok.19, E682.  
*Crataegus monogyna* Jacq. subsp. *azarella* (Gris.) Franco; Lok.11, E422; Lok.28, E1337.  
*C. orientalis* Pallas ex M.Bieb. var. *orientalis*; Lok.24, E1479.  
*Eriolobus trilobatus* (Poir.) Roem.; Lok.20, E1892.  
*Geum urbanum* L.; Lok.19, E1442, Euro-Sib.  
*Orthurus heterocarpus* (Boiss.) Juz.; Lok.25, E1264.  
*Potentilla inclinata* Vill., Hits; Lok.21, E1436.  
*P. kotschyana* Fenzl; Lok.17, E568; Lok.16, E488; Lok.22, E864; Lok.20, E722; Lok.14, E1938, E474, Medit.  
*P. micranta* Ramond Ex DC.; Lok.19, E1439.  
*P. recta* L.; Lok.15, E614; Lok.22, E835; Lok.11, E385/b; Lok.14, E1939; Lok.4, E1677.  
*P. reptans* L.; Lok.16, E488; Lok.45, E1982.  
*P. speciosa* Willd var. *speciosa*; Lok.22, E861.  
*Prunus divaricata* Ledeb. subsp. *divaricata*; Lok.1, E187; Lok.23, E1199.  
*Pyrus amygdaliformis* Vill., Catal. Meth. var. *amygdaliformis*; Lok.27, E1800; Lok.29, E1373.  
*P. elaeagnifolia* Pall. subsp. *elaeagnifolia*; Lok.23, E1198.  
*Rosa canina* L.; Lok.20, E740.  
*R. horrida* L.Fisch.; Lok.20, E738.  
*R. pulverulenta* M.Bieb.; Lok.24, E1476; Lok.22, E865.  
*Rubus canescens* DC. var. *canescens*; Lok.28, E1345; Lok.51, E2235.  
*Sanguisorba minor* Scop. subsp. *muricata* (Spach) Briq.; Lok.11, E410; Lok.27, E1762; Lok.28, E1342; Lok.19, E1440.  
*Sorbus umbellata* (Desf.) Fritsch var. *umbellata*; Lok.20, E713; Lok.28, E1336; Lok.18, E595.

#### RUBIACEAE

*Asperula arvensis* L.; Lok.17, E2022, Medit.  
*A. brevifolia* Vent. Desch; Lok.10, E364, Endemic.  
*A. bryoides* Stapf; Lok.29, E1379, Medit., Endemic.  
*A. lilaciflora* Boiss. subsp. *phrygia* (Bormm.) Schonb.-Tem.; Lok.30, E1385, Endemic.  
*A. stricta* Boiss. subsp. *elmaliensis* Schonb.-Tem.; Lok.7, E797, Endemic.  
*A. stricta* Boiss. subsp. *monticola* Ehrend.; Lok.27, E1781; Lok.7, E814, Medit., Endemic.  
*A. tenuifolia* Boiss.; Lok.22, E859; Lok.39, E1599, Medit., Endemic.  
*C. angustifolia* L.; Lok.10, E342/a; Lok.41, E1671, Lok.10, E366, E399/b; Lok.50, E2201; Lok.27, E1973/a.  
*Cruciata taurica* (Pall. ex Willd) Ehrend.; Lok.17, E2012; Lok.6, E266; Lok.25, E1241; Lok.3, E217.  
*Galium album* Mill. subsp. *pycnotrichum* (Heinr. Braun) Krendl; Lok.20, E2183.  
*G. aperine* L.; Lok.14, E471, Ir.-Tur.  
*G. aretioides* Boiss.; Lok.29, E1379, Medit., Endemic.  
*G. asparagifolium* Boiss. & Heldr.; Lok.48, E2032, Lok.20, E1901, Medit.  
*G. brevifolium* Sm. subsp. *brevifolium*; Lok.10, E367; Lok.45, E1983, Endemic.  
*G. canum* Regel Ex DC. subsp. *antalyanse* Ehrend.; Lok.19, E641, Medit, Endemic.  
*G. dumosum* Boiss.; Lok.49, E2180, Endemic.  
*G. graecum* L. Mant. subsp. *graecum*; Lok.14, E1945, Medit.  
*G. heldreichii* Hall; Lok.28, E1364; Lok.29, E1382; Lok.32, E1450/a; Lok.41, E1673/a; Lok.19, E1956, E653; Lok.14, E1960; Lok.20, E1902; Lok.44, E1870, Medit.  
*G. incanum* Sm. subsp. *centrale* Ehrend; Lok.17, E1544; Lok.36, E1522, Endemic.  
*G. incanum* Sm. subsp. *elatius* (Boiss.) Ehrend; Lok.18, E579, Lok.12, E434, Lok.20, E723; Lok.16, E480, E497, Lok.17, E2016.  
*G. murale* (L.) All.; Lok.4, E224.  
*G. peplidifolium* Boiss.; Lok.39, E1615, E1632; Lok.41, E1667, Medit.  
*G. setaceum* Lam.; Lok.10, E376, E365.  
*G. spurium* L. subsp. *spurium*; Lok.19, E1441, Euro-Sib.  
*G. verum* L. subsp. *verum*; Lok.19, E620; Lok.41, E1679; Lok.7, E800; Lok.46, E1988; Lok.48, E2029; Lok.41, E1673.  
*Putaria calabrica* (Fil.) DC.; Lok.17, E1556; Lok.37, E1769; Lok.39, E1598, Medit.  
*Rubia tinctorum* L.; Lok.50, E2205, Ir.-Tur.  
*Sherardia arvensis* L.; Lok.8, E330.

#### RUTACEAE

*Haplophyllum pumiliforme* Hub.-Mor. & Reese; T.F.  
*H. suaveolens* (DC.) var. *suaveolens*; Lok.15, E609.

### SALICACEAE

- Populus tremula* L.; Lok.12, E439; Lok.28, E1334.  
*Salix alba* L.; Lok.35, E1492; Lok.51, E2238.  
*S. pedicellata* Desf. subsp. *pedicellata*; Lok.20, E737, Medit.

### SANTALACEAE

- Thesium bertramii* Azn.; T.F., Ir.-Tur. Endemic.  
*T. billardieri* Boiss.; Lok.33, E1457, Ir.-Tur.

### SCROPHULARIACEAE

- Digitalis cariensis* Boiss. ex Jaub. & Spach; Lok.19, E629; Lok.20, E1842; Lok.36, E1435; Lok.28, E1341, Medit., Endemic.  
*Linaria corifolia* Desf.; Lok.7, E290, E783; Lok.27, E1770; Lok.50, E2055, Ir.-Tur., Endemic.  
*L. genistifolia* (L.) Mill. subsp. *linifolia* Boiss.; Lok.18; E593; Lok.35, E1500.  
*L. simplex* (Willd.) DC.; Lok.7, E767.  
*Pedicularis cadmea* Boiss.; Lok.22, E839; Lok.17, E546, Endemic.  
*Scrophularia depauperata* Boiss.; Lok.30, E1401, Endemic  
*S. lucida* L.; Lok.11, E403; Lok.4, E232.  
*S. scopolii* (Hoppe ex) Pers. var. *burdurensis* (Pesmen) R.B.Mill.; T.F., Endemic.  
*S. scopolii* (Hoppe ex) Pers. var. *scopolii*; Lok.22, E829.  
*Verbascum adenophorum* Boiss.; T.F., Medit., Endemic.  
*V. bellum* Hub.-Mor.; Lok.20, E1858, Medit., Endemic.  
*V. latisepalum* Hub.-Mor.; T.F., Ir.-Tur., Endemic.  
*V. nudatum* Murb. var. *nudatum*; Lok.27; Lok.7, E773; Lok.41, E1683, Medit., Endemic.  
*V. protractum* Fenzl ex Tchich.; T.F., Medit., Endemic.  
*V. reeseanum* Hub.-Mor.; Lok.47, E1759, Medit., Endemic.  
*V. serpticola* Hub.-Mor.; T.F., Medit, Endemic.  
*V. symes* Murb.; T.F., Medit., Endemic.  
*V. trapifolium* (Stapf) Hub.-Mor.; T.F., Medit., Endemic.  
*Veronica anagallis-aquatica* L.; Lok.20, E1844.  
*V. cuneifolia* D.Don subsp. *cuneifolia*; Lok.2, E207; Lok.5, E248; Lok.17; E2007; Lok.25, E1253, Endemic.  
*V. cuneifolia* D.Don subsp. *isaurica* P.H.Davis; Lok.17, E569; Lok.22, E858/a, Endemic.  
*V. elmaliensis* M.A.Fisch.; Lok.22, E851; Lok.8, E330/a, Medit., Endemic.  
*V. lycica* E. Lehm.; Lok.2, E201; Lok.3, E213; Lok.23, E1320, E1201, Medit., Endemic.  
*V. multifida* L.; Lok.12, E455, Endemic.  
*V. pectinata* L.; Lok.19, E1438/a.  
*V. thymoides* P.H. Davis subsp. *hasandaghensis* M.A. Fisch.; Lok.17, E2008, Ir.-Tur., Endemic.  
*V. thymoides* P.H. Davis subsp. *pseudocinerea* M.A. Fisch.; Lok.23, E1200; Lok.18, E588/a, Ir.-Tur., Endemic.  
*V. verna* L.; Lok.14, E1940/a, Euro-Sib.

### SOLANACEAE

- Solanum dulcamara* L.; Lok.11, E425, Euor-Sib.  
*S. nigrum* L. subsp. *nigrum*; Lok.38, E1580.

### STYRACACEAE

- Styrax officinalis* L.; Lok.11, E393; Lok.4, E219; Lok.51, E2239; Lok.50, E2255.

### TAMARICACEAE

- Tamarix smyrnensis* Dunge; Lok.51, E2232.

### THYMELAEACEAE

- Daphne gnidioides* Jaub. & Spach; Lok.28, E1340; Lok.51, E2240; Lok.50, E2215, Medit.  
*D. oleoides* Schreb. subsp. *oleoides*; Lok.17, E1559; Lok.12, E438.  
*Thymelaea tartonraira* (L.) All. subsp. *argentea* (Sm.) Holmboe var. *linearifolia* Kit Tan; T.F.

### ULMACEAE

- Ulmus minor* Mill. subsp. *minor*; Lok.7, E810.

### APIACEAE (UMBELLIFERAE)

- Antriscus nemorasa* (M.Bieb.) Spreng.; Lok.14, E1965.  
*Artedia squamata* L.; Lok.20, E2181.  
*Bifora testiculata* (L.) Spreng. ex Schult.; Lok.44, E1820.  
*Bupleurum croceum* Fenzl; Lok.44, E1812; Lok.7, E281, Ir.-Tur.  
*B. flavum* Forssk.; Lok.27, E1765; Lok.49, E2163, Medit.  
*Bunium ferulaceum* Sm.; Lok.38, E1589, Medit.  
*B. microcarpum* (Boiss.) subsp. *microcarpum*; Lok.17, E2021, Medit.  
*Conium maculatum* L.; Lok.7, E2051.  
*Daucus broteri* Ten.; Lok.10, E348, E349, Medit.  
*D. corata* L.; Lok.7, E2201/a.  
*D. guttatus* Sm.; Lok.31, E1419; Lok.51, E2218.  
*D. involucratus* Sm.; Lok.32, E1448/a, Medit.  
*Eryngium bourgatii* Gouan subsp. *heldreichii* (Boiss.) P.H. Davis; Lok.36, E1513.  
*E. campestre* L. var. *virens* Link; Lok.19, E697.  
*E. creticum* Lam.; Lok.50, E2210.  
*Ferulago aucheri* Boiss.; Lok.49, E2169, Endemic.  
*Glaucosciadium cordifolium* (Boiss.) Buttler & P.H. Davis; Lok.7, E769.  
*Huetia cynopioides* (Guss.) P.W. Ball subsp. *macrocarpa* (Boiss. & Spruner) P.W. Ball; Lok.17, E1539; Lok.20, E1843; Lok.22, E858; Lok.11, E412; Lok.19, E652, E667.  
*Laserpitium petrophilum* Boiss. & Heldr.; Lok.14, E1964, Endemic.  
*Lagoecia cuminoides* L.; Lok.50, E2208, Medit.  
*Malabaila aurea* (Sm.) Boiss.; Lok.13, E466, Medit.  
*M. secacul* Banks & Sol.; Lok.19, GrupA, E639; Lok.14,

E1959, Lok.44; E1828.

*Opopanax hispidus* (Friv.) Gris; Lok.14, E1919.

*Orlaya daucooides* (L.); Lok.27, E1777, Medit.

*Pimpinella tragiium* Vill. subsp. *lithophla* (Schischkn.)

Tutin; Lok.24, E1472.

*Scaligeria napiformis* (Spreng.) Grande; Lok.7, E390;

Lok.32, E1449.

*Scandix australis* L. subsp. *grandiflora* (L.) Thell.;

Lok.14, E1932; Lok.20, E1853.

*S. pecten-veneris* L.; Lok.48, E2026; Lok.20, E1910.

*Seseli peucedanoides* (M.Bieb.) Koso-Pol.; Lok.7, E798,

Euro-Sib.

*Tordylium apulum* L.; Lok.4, E220, Medit.

*Torilis arvensis* (Huds.) Link subsp. *neglecta* (Spreng.)

Thell.; Lok.27, E1776.

*T. leptophylla* (L.) Reichb.; Lok.14, E1943.

*T. nodosa* (L.) Gaertn.; Lok.22, E827.

*T. ucranica* Spreng.; Lok.20; E2182.

*Turgenia latifolia* (L.) Hoffm.; Lok.15, E479; Lok.44,

E1866; Lok.38, E1575.

#### URTICACEAE

*Urtica dioica* L.; Lok.14, E1918.

#### VALERIANACEAE

*Valeriana dioscoridis* Sm.; Lok.15, E522; Lok.23, E1206,  
Medit.

*Valerianella carinata* Loisel.; Lok.17, E552.

*V. obtusiloba* Boiss.; Lok.27, E1766, Medit.

*V. tricerias* Bornm.; Lok.20, E1908, Medit.

*V. turgida* (Stev.) Animadv.; Lok.18, E583.

*V. vesicaria* (L.) Moench; Lok.44, E1869; Lok.8, E332.

#### VERBENACEAE

*Verbena officinalis* L.; Lok.49, E2171.

*Vitex angus-castus* L.; Lok.51, E2233.

#### VIOLACEAE

*Viola heldreichiana* Boiss.; Lok.8, E334; Lok.25, E1239;  
Lok.4, E241, Medit.

*V. kitaibeliana* Roem. & Schultze; Lok.8, E327.

*V. odorata* L.; Lok.24, E1228; Lok.23, E1222; Lok.18, E575.

*V. parvula* Tineo; Lok.17, E550.

*V. suavis* M.Bieb.; Lok.14, E477; Lok.24, E1227; Lok.5,  
E246.

#### VITACEAE

*Ampelopsis orientale* (Lam.) Plonchon; Lok.10, E355.

#### ZYGOPHYLLACEAE

*Tribulus terrestris* L.; Lok.7, E113.

#### MONOCOTYLEDONEAE

##### ARACEAE

*Arum conophaloides* Kotschy ex Schott var.  
*conophaloides*; Lok.17, E536.

##### CYPERACEAE

*Scirpoides holoschoenus* (L.) Sojak; Lok.11, E426.

##### POACEAE (GRAMINEAE)

*Aegilops geniculata* Roth; Lok.27, E1324; Lok.30, E1394;  
Lok.30, E1404, Medit.

*A. markgrafii* (Greuter); Lok.7, E756; Lok.32, E1448.

*A. triuncialis* L. subsp. *triuncialis*; Lok.19, E647/b;  
Lok.39, E1616.

*A. umbellata* Zhuk. subsp. *umbellata*; Lok.7, E756/a,  
E817; Lok.8, E295/a; Lok.14, E1950.

*Aira elegantissima* Schur. subsp. *ambigua* (Archer)  
Dogan; Lok.17, E1538.

*Alopecurus arundinaceus* Poir.; Lok.18, E584, Euro-Sib.

*A. lanatus* Sm.; Lok.22, E832; Lok.26, E1270, Medit.,  
Endemic.

*Anthoxanthum odoratum* L. subsp. *alpinum* (A.et.D.Lare)  
Jones et. Melderis; Lok.14, E1930.

*A. odoratum* L. subsp. *odoratum*; Lok.19, E672.

*Apera intermedia* Hack.; Lok.31, E1655, Ir.-Tur.

*Arrhenatherum palaestinum* Boiss.; Lok.18, E601; Lok.10,  
E351; Lok.28, E1356/a.

*Avena sterilis* L. subsp. *sterilis*; Lok.14, E932, Medit.

*Avena barbata* Pott ex Link subsp. *barbata*; Lok.11,  
E386/a, Medit (Gozlem).

*Brachypodium retusum* (Pers.) P. Beauv.; Lok.32, E1448.

*Briza maxima* L.; Lok.50, E2275/a (Gozlem).

*B. media* L.; Lok.38, E1586, E1580; Lok.31, E1655/a.

*Bromus cappadocicus* Boiss. & Ball subsp.  
*cappadocicus*; Lok.17, E1564; Lok.36, E1535, E1536,  
E1517.

*B. diandrus* Roth; Lok.19, E691/a.

*B. hordeaceus* L. subsp. *hordeaceus*; Lok.36, E1512.

*B. intermedius* L.; Lok.19, E647; Lok.27, E1322; Lok.32,  
E1446.

*B. japonicus* Thumb subsp. *anatolicus* (Boiss. & Heldr.)  
Penzes; Lok.7, E792.

*B. japonicus* Thumb. subsp. *japonicus*; Lok.30, E1387.

*B. lanceolatus* Roth; Lok.19, E688; Lok.20, E1837; Lok.31,  
E1418.

*B. madritensis* L.; Lok.16, E499, E500.

*B. racemosus* L.; Lok.22, E872, Euro-Sib.

*B. squarrosus* L.; Lok.28, E1352; Lok.7, E791; Lok.48,  
E2034; Lok.20, E1856/a.

*B. sterilis* L.; Lok.20, E748; Lok.19, E673, E647/a, E691/b;  
Lok.7, E793.

- B. tectorum* L.; Lok.31, E1654; Lok.30, E1384; Lok.17, E1563; Lok.7, E788; Lok.8, E295; Lok.45, E1977; Lok.8, E334/b.
- Cortaderia selloana* (Schult. & Schult. fil.) Asche & Graebn.; Lok.51, E2244.
- Cynasurus echinatus* L.; Lok.32, E1444.
- Cynodon dactylon* (L.) Pers.; Lok.50 (Gozlem).
- Dactylis glomerata* L. subsp. *glomerata*; Lok.22, E891, E1989; Lok.19, E675; Lok.50, E2213.
- D. glomerata* L. subsp. *hispanica* (Roth) Nyman; Lok.20, E754; Lok.28, E1365; Lok.31, E1413; Lok.50, E2258.
- Deschampsia caespitosa* (L.) P. Beauv.; Lok.15, E531.
- Echinaria capitata* (L.) Desf.; Lok.41, E1669.
- Elymus hispidus* (Opiz) Melderis subsp. *hispidus*; Lok.28, E1367.
- E. lazicus* (Boiss.) Melderis subsp. *divaricatus* (Boiss. & Bal.) Melderis; Lok.20, E750; Lok.22, E887/a; Lok.15, E523; Lok.48, E2043; Lok.20, E1856, Endemic.
- E. repens* L. subsp. *repens*; Lok.19, E691/c.
- E. tauri* (Ball & Bal) Melderis subsp. *tauri*; Lok.20, E752.
- Eremopoa songarica* (Schrenk) Roshev.; Lok.30, E1397, Ir.-Tur.
- Festuca anatolica* Markgr. subsp. *anatolica*; Lok.17, E1562, Endemic.
- F. callieri* (Hack. & St.Yves) Markgr. subsp. *callieri*; Lok.11, E421, E405, E386; Lok.18, E578.
- F. jeanpertii* (St.Yves) F. Markgr. subsp. *jeanpertii*; Lok.20, E749, E1891; Lok.11, E408.
- F. pinifolia* (Hack. ex Boiss.) Bornm. var. *pinifolia*; Lok.22, E885, E857; Lok.11, E409; Lok.8, E328; Lok.44, E1833; Lok.34, E1471, Medit.
- F. pinifolia* (Hack. ex Boiss.) Bornm. var. *phrygia* (St.Yves) Markgr.; Lok.41, E1662/a; Lok.37, E1569; Lok.40, E1609; Lok.39, E1614.
- F. valesiaca* Schleich. ex Gaudin; Lok.22, E888.
- Gaudiniopsis macra* (M.Bieb) Eig. subsp. *antalyensis* Dogan; Lok.41, E1662, Medit.
- G. macra* (M.Bieb.) Eig subsp. *micropyroides* (M.Schultz) Ayasligil; Lok.20, E1859, Medit., Endemic.
- Helictotrichon convolutum* (C. Presl) Henrard; Lok.14, E1958.
- H. pubescens* (Hudson) Besser ex Schultz & Schultes subsp. *longifolia* (Boiss.) M. Dogan; Lok.18, E590, Ir.-Tur., Endemic.
- H. versicolor* (Vill.) Schult. & Schult. fil.; Lok.22, E890.
- Holosteum umbellatum* L. var. *umbellatum*; Lok.18, E584.
- Hordeum bulbosum* L. Amoen; Lok.19, E672/a.
- H. murinum* L. subsp. *murinum*; Lok.20, E754/a, E1895.
- Koeleria cristata* (L.) Pers. var. *cristata*; Lok.36, E1515; Lok.39, E1591, Lok.20; E1903, E749, E728; Lok.17, E1565; Lok.17, E1546; Lok.16, E503/a.
- K. nitidula* Velen.; Lok.16, E498.
- Lagurus ovatus* L.; Lok.4, E218/a, Medit.
- Lolium perenne* L.; Lok.40, E1608.
- L. rigidum* Gaudin Agrost. var. *rigidum*; Lok.31, E1417.
- Melica ciliata* L. subsp. *ciliata*; Lok.27, E1778; Lok.50, E2273, E2211.
- M. ciliata* L. subsp. *magnolii* (Gren. & Godr.) Husn.; Lok.11, E904.
- M. minuta* L.; Lok.10, E352; Lok.49, E2167; Lok.28, E1343, Medit.
- Phleum exaratum* Hochst. & Griseb. subsp. *exaratum*; Lok.50, E2274; Lok.31, E1656/a, E1652; Lok.7, E790; Lok.20, E1904; Lok.45, E1985.
- P. phleoides* (L.) H.Karst.; Lok.41, E1672, Euro-Sib.
- P. subulatum* (Savi) Asch. & Graebn. subsp. *ciliatum* (Boiss.) C.J. Humphries; Lok.19, E677, E676, Medit.
- Piptatherum coerulescens* (Desif.) P. Beauv.; Lok.20, E753, E720.
- P. holciforme* (M. Bieb.) Roem. & Schultz subsp. *holciforme* var. *holciforme*; Lok.12, E450, E436; Lok.11, E392; Lok.28, E1356; Lok.51; E2224.
- P. miliaceum* (L.) Coss.; Lok.51, E2225.
- Poa bulbosa* L.; Lok.31, E1653; Lok.36, E1536, E1528, E1514; Lok.19, E674; Lok.8, E334/a; Lok.39, E1626/a; Lok.20, E747; Lok.17, E548; Lok.16, E501, E502, E503.
- P. diversifolia* (Boiss. & Bal) Hack. ex Boiss.; Lok.19, E671.
- P. timoleontis* Heldr. ex Boiss.; Lok.17, E1557; Lok.18, E578/a.
- Puccinellia gigantea* (Grossh.) Grossh.; Lok.24, E1477.
- Rostraria cristata* (L.) Tzvelev var. *cristata*; Lok.22, E886.
- Sorghum halepense* (L.) Pers. var. *halepense*; Lok.10, E362/a; Lok.50, E2259.
- Stipa bromoides* (L.) Dorf.; Lok.37, E1574; Lok.32, E1445, Medit.
- S. capensis* Thunb.; Lok.10, E343, Medit.
- S. holosericea* Trin.; Lok.22, E887; Lok.18, E602; Lok.16, E481; Lok.20, E700; Lok.19, E662; Lok.35, E1487, Ir.-Tur.
- S. pulcherrima* C. Koch subsp. *epilosa* (Martinovsky) Tzvelev; Lok.28, E1366.
- Taeniatherum caput-medusae* (L.) Nevski subsp. *crinitum* (Schreb.); Lok.7, E757, Ir.-Tur.
- Trachynia distachya* (L.) Link; Lok.10, E342.
- Triticum aestivum* L.; Lok.7, E789.

#### IRIDACEAE

- Crocus baytopiorum* Mathews; T.F., Medit., Endemic.
- C. biflorus* Miller subsp. *isauricus* (Siehe ex Bowles) Mathews; Lok.26, E1266, Medit., Endemic.
- C. biflorus* Mill. subsp. *tauri* (Maw) Mathews; Lok.6, E251, Endemic.
- Gladiolus micranthus* Stapf; Lok.11, E391; Lok.34, E1462, Endemic.
- Iris unguicularis* Pa'ret.; Lok.4, E221, Medit.

## JUNCACEAE

*Luzula forsteri* (Sm.) DC.; Lok.24, E1482.

## LILIACEAE

*Allium atroviolaceum* Boiss.; Lok.6, E251/a; Lok.10, E357.

*A. flavum* L. subsp. *tauricum* (Besser ex Rehb.) Stearn var. *tauricum*; Lok.20, E2184/a; Lok.49, E2155.

*A. nigrum* L.; Lok.21, E1915, E1429, Medit.

*A. sativum* L.; Lok.16, E482.

*A. scorodoprasum* L. subsp. *roduntum* (L.) Stearn; Lok.19, E619; Lok.22, E862; Lok.35, E1490; Lok.48, E2039; Lok.27, E1783.

*A. stylosum* O.Schwartz; Lok.49, E2156, Endemic.

*A. tauricola* Boiss.; Lok.20, E716, Ir.-Tur. Ele., Endemic.

*Asparagus acutifolius* L.; Lok.51, E2249; Lok.50, E2262.

*A. tenuifolius* Lam.; Lok.14, E1880, Euro-Sib.

*Asphodeline lutea* (L.) Rchb.; Lok.15, E519; Lok.36, E1521, Medit.

*A. taurica* (Pall.) Kunth; Lok.16, E483; Lok.36, E36, E1519, Medit.

*Colchicum cilicicum* (Boiss.) Dammer; Lok.9, E1182.

*Fritillaria acmopetala* Boiss. subsp. *acmopetala*; Lok.23, E1205, Medit.

*F. carica* Rix subsp. *carica*; Lok.4, E233; Lok.17, E538, Medit., Endemic.

*F. pinardii* Boiss.; Lok.26, E1275, Ir.-Tur.

*Gagea bulbifera* (Pall.) Schultes & Schultes; Lok.24, E1232, Euro-Sib.

*G. foliosa* (J. & C. Presl) Schult. & Schult.; Lok.25, E1242, E1256.

*G. granatellii* (Parl.) Parl.; Lok.2, E204; Lok.25, E1249, Medit.

*G. peduncularis* (J. Presl & C. Presl) Pascher; Lok.26, E1265, Medit.

*G. taurica* Steven; Lok.17, E2009, Ir-Tur.

*Muscari armeniacum* Leichtlin ex Baker; Lok.16, E489; Lok.23, E1215.

*M. aucheri* (Boiss.) Baker; Lok.17, E540, Endemic.

*M. bourgaei* Baker; Lok.17, E564, Medit., Endemic.

*M. muscarimi* W. Medicus; Lok.4, E243, Medit., Endemic.

*M. neglectum* Guss.; Lok.4, E240.

*Ornithogalum comosum* L.; Lok.16, E496; Lok.7, E294.

*O. lanceolatum* Labill.; Lok.2, E206; Lok.23, E1217, Medit.

*O. nivale* Boiss.; Lok.17, E565, E539, Endemic.

*O. pyrenaicum* L.; Lok.13, E463.

*O. narbonense* L.; Lok.11, E427; Lok.44, E1832, Medit.

*Ruscus aculeatus* L. var. *angustifolius* Boiss.; Lok.10, E374.

*Scilla bifolia* L.; Lok.6, E253; Lok.17, E2006; Lok.26, E1269; Lok.25, E1252, Medit.

## ORCHIDACEAE

*Anacamptis pyramidalis* (L.) Rich.; Lok.19, E623; Lok.12, E457.

*Cephalanthera epipactoides* Fisch. & Meyen; Lok.11, E381, Lok.28, E1351.

*C. rubra* (L.) Rich.; Lok.24, E1481; Lok.28, E1347.

*Dactyloriza iberica* (M.Bieb. ex Willd) Soo Nom.; Lok.28, E1348, Medit.

*Epipactis condensata* Boiss. ex D.P. Young; Lok.39, E1593; Lok.39, E1627.

*E. microphylla* (Ehrh.) Sw.; Lok.41, E1675.

*Limodorum abortivum* (L.) Sw.; Lok.11, E419.

*Orchis anotolica* Boiss.; Lok.12, E429, Medit.

*O. spitzelii* Souster ex. W. Koch; T.F.

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