

### Annex 3. Lists of indicator species of the revised EUNIS heathland, scrub, and tundra habitat types

Indicator species consist of three categories of species, each of which has different meaning. Together they provide a comprehensive characterisation of the habitat's species diversity.

Diagnostic species are species with occurrences concentrated in the habitat in question, but absent or rare in other habitats. As such, they are good positive indicators of the habitat, but they do not need to occur in every location of the habitat.

Constant species are species that frequently occur in the habitat, but they may include generalist species that are also frequent in other habitats.

Dominant species are those that often reach high cover in the habitat, thus determining the habitat physiognomy.

The coding and names shown in the Annex are those proposed by the project and therefore reveal differences from those included in the final revision of heathland, scrub and tundra habitats at level 3 after the consultation. The final revision, including codes and names, is visible in Annex 1.

#### B1.5a - Atlantic and Baltic coastal Empetrum heath

##### *Diagnostic species (phi coefficient \* 100)*

Empetrum nigrum	75.3	Carex arenaria	61.3
Salix repens	56.2	Hypnum jutlandicum	55.9
Dicranum scoparium	44.7	Cladonia portentosa	39.6
Polypodium vulgare	39.1	Carex trinervis	38.8
Hieracium umbellatum	37.3	Ammophila arenaria	36.3
Cladonia chlorophaea	32.7	Festuca filiformis	31.8
Hypogymnia physodes	31.0	Lophocolea bidentata	26.1
Cladonia furcata	25.6	Calamagrostis epigejos	24.9
Erica tetralix	24.7	Palmogloea protuberans	22.9
Calluna vulgaris	22.4	Pseudoscleropodium purum	19.6
Cladonia ramulosa	18.9	Viola canina	18.8
Rosa pimpinellifolia	18.8	Pleurozium schreberi	18.8
Vaccinium macrocarpon	17.5	Cladonia ciliata	16.8
Cladonia pocillum	15.8	Cladonia glauca	15.5

##### *Constant species (occurrence frequencies)*

Empetrum nigrum	100.0	Carex arenaria	93.0
Dicranum scoparium	88.0	Salix repens	69.0
Hypnum jutlandicum	67.0	Calluna vulgaris	58.0
Hieracium umbellatum	55.0	Ammophila arenaria	50.0
Polypodium vulgare	49.0	Calamagrostis epigejos	48.0
Cladonia portentosa	36.0	Pseudoscleropodium purum	35.0
Pleurozium schreberi	35.0	Erica tetralix	35.0
Lotus corniculatus	33.0	Lophocolea bidentata	30.0
Viola canina	27.0	Hypnum cupressiforme	27.0
Festuca filiformis	26.0	Hypochoeris radicata	25.0
Luzula campestris	24.0	Cladonia chlorophaea	24.0
Carex trinervis	24.0	Cladonia furcata	23.0

Hypogymnia physodes	22.0	Veronica officinalis	15.0
Potentilla erecta	15.0	Holcus lanatus	15.0
Festuca rubra	15.0	Rosa pimpinellifolia	14.0
Poa pratensis	14.0	Molinia caerulea agg.	14.0
Galium verum	12.0	Anthoxanthum odoratum	11.0
Lonicera periclymenum	10.0	Kindbergia praelonga	10.0
Jasione montana	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Empetrum nigrum	100.0	Hypnum jutlandicum	29.0
Dicranum scoparium	12.0	Pleurozium schreberi	8.0
Calluna vulgaris	8.0		

**B1.5b - Atlantic coastal Calluna and Ulex heath**

*Diagnostic species (phi coefficient \* 100)*

Carex arenaria	52.9	Cladonia portentosa	51.0
Empetrum nigrum	50.1	Hypnum jutlandicum	44.4
Dicranum scoparium	39.4	Salix repens	37.1
Festuca filiformis	34.9	Carex trinervis	34.9
Hypogymnia physodes	34.8	Calluna vulgaris	34.1
Cladonia glauca	31.6	Cladonia chlorophaea	30.0
Cladonia ciliata	27.3	Palmogloea protuberans	26.1
Genista anglica	22.8	Erica tetralix	22.3
Rosa pimpinellifolia	20.0	Erica cinerea	20.0
Pleurozium schreberi	18.6	Campylopus introflexus	18.6
Cladonia arbuscula	17.9	Cladonia floerkeana	17.7
Ammophila arenaria	17.7	Hypnum cupressiforme	16.9
Erica scoparia	16.2	Orthodontium lineare	15.8
Cladonia gracilis	15.8	Cladonia grayi	15.4

*Constant species (occurrence frequencies)*

Calluna vulgaris	87.0	Carex arenaria	78.0
Dicranum scoparium	77.0	Empetrum nigrum	59.0
Hypnum jutlandicum	51.0	Cladonia portentosa	50.0
Salix repens	42.0	Hypnum cupressiforme	36.0
Pleurozium schreberi	34.0	Erica tetralix	31.0
Festuca filiformis	30.0	Hypogymnia physodes	25.0
Ammophila arenaria	23.0	Pseudoscleropodium purum	22.0
Cladonia chlorophaea	22.0	Carex trinervis	21.0
Calamagrostis epigejos	21.0	Erica cinerea	20.0
Luzula campestris	19.0	Hypochaeris radicata	17.0
Cladonia glauca	17.0	Potentilla erecta	16.0
Lotus corniculatus	16.0	Hieracium umbellatum	16.0
Festuca ovina	16.0	Cladonia arbuscula	16.0
Rosa pimpinellifolia	15.0	Genista anglica	15.0
Agrostis capillaris	15.0	Polypodium vulgare	14.0
Rubia peregrina	11.0	Festuca rubra	11.0
Cladonia furcata	11.0	Cladonia ciliata	11.0
Ulex europaeus	10.0	Erica scoparia	10.0
Cladonia gracilis	10.0	Campylopus introflexus	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Calluna vulgaris	74.0	Empetrum nigrum	32.0
Hypnum jutlandicum	18.0	Erica cinerea	12.0
Dicranum scoparium	12.0	Hypnum cupressiforme	11.0
Cladonia portentosa	8.0	Erica scoparia	7.0

**B1.6a - Atlantic and Baltic coastal dune scrub**

*Diagnostic species (phi coefficient \* 100)*

Salix repens	74.0	Carex trinervis	44.9
Hippophae rhamnoides	40.4	Hydrocotyle vulgaris	35.4
Calamagrostis epigejos	33.5	Rubus caesius	28.3
Epipactis palustris	27.4	Carex arenaria	26.7
Mentha aquatica	23.2	Festuca filiformis	21.6
Liparis loeselii	19.8	Gentianella amarella	19.6
Pyrola rotundifolia	19.1	Dactylorhiza incarnata	19.0
Juncus gerardi	18.9	Juncus anceps	18.9
Euphrasia stricta	18.6	Calliergonella cuspidata	17.2
Cynoglossum officinale	16.4	Vaccinium macrocarpon	15.6
Leontodon taraxacoides	15.6	Taraxacum sect. Erythrosperma	15.5

*Constant species (occurrence frequencies)*

Salix repens	94.0	Calamagrostis epigejos	64.0
Rubus caesius	52.0	Hydrocotyle vulgaris	48.0
Mentha aquatica	47.0	Agrostis stolonifera	43.0
Poa pratensis	40.0	Calliergonella cuspidata	39.0
Festuca rubra	38.0	Carex arenaria	36.0
Galium palustre	34.0	Lotus corniculatus	33.0
Prunella vulgaris	32.0	Juncus articulatus	32.0
Holcus lanatus	32.0	Carex flacca	31.0
Epipactis palustris	30.0	Trifolium repens	28.0
Potentilla anserina	28.0	Carex trinervis	28.0
Pseudoscleropodium purum	27.0	Hippophae rhamnoides	27.0
Luzula campestris	25.0	Galium verum	25.0
Ranunculus flammula	24.0	Hypnum cupressiforme	24.0
Cardamine pratensis	23.0	Carex nigra	22.0
Juncus gerardi	21.0	Carex panicea	21.0
Phragmites australis	20.0	Galium uliginosum	20.0
Parnassia palustris	19.0	Euphrasia stricta	19.0
Crataegus monogyna	19.0	Senecio jacobaea	18.0
Ranunculus repens	18.0	Ligustrum vulgare	18.0
Leontodon taraxacoides	18.0	Eupatorium cannabinum	18.0
Brachythecium rutabulum	18.0	Salix cinerea	17.0
Dicranum scoparium	17.0	Vicia cracca	16.0
Veronica officinalis	16.0	Festuca filiformis	16.0
Eleocharis palustris	16.0	Dactylorhiza incarnata	16.0
Linum catharticum	15.0	Urtica dioica	14.0
Potentilla erecta	14.0	Galium mollugo	14.0
Viola hirta	13.0	Thymus pulegioides	13.0
Rhamnus catharticus	13.0	Potentilla reptans	13.0

Avenula pubescens	13.0	Koeleria macrantha	12.0
Carex viridula	12.0	Viola canina	11.0
Taraxacum sect. Erythrosperma	11.0	Pyrola rotundifolia	11.0
Cirsium palustre	11.0	Cirsium arvense	11.0
Carex disticha	11.0	Polygala vulgaris	10.0
Lycopus europaeus	10.0	Cynoglossum officinale	10.0
Ceratodon purpureus	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Salix repens	89.0	Calliergonella cuspidata	27.0
Salix cinerea	9.0	Rubus caesius	7.0
Pseudoscleropodium purum	5.0	Festuca filiformis	5.0

**B1.6b - Mediterranean and Black Sea coastal dune scrub**

*Diagnostic species (phi coefficient \* 100)*

Juniperus oxycedrus	59.3	Smilax aspera	54.7
Asparagus acutifolius	54.4	Spartium junceum	48.7
Phillyrea angustifolia	47.2	Rubia peregrina	46.2
Daphne gnidium	44.1	Pinus pinaster	42.5
Lonicera implexa	41.7	Rhamnus alaternus	38.8
Dorycnium hirsutum	38.4	Cistus incanus	38.1
Cutandia divaricata	36.5	Pistacia lentiscus	35.8
Ephedra fragilis	34.8	Periploca graeca	33.7
Clematis flammula	32.8	Prasium majus	32.6
Launaea fragilis	31.4	Seseli tortuosum	31.0
Centaurea sphaerocephala	28.7	Teucrium flavum	27.0
Arbutus unedo	22.7	Scrophularia trifoliata	21.4
Rosa sempervirens	20.8	Helianthemum sessiliflorum	20.8
Limonium divaricatum	20.7	Pancratium maritimum	19.4
Phillyrea latifolia	19.2	Rubus ulmifolius	18.2
Ononis natrix	17.4	Helichrysum stoechas	17.1
Carpobrotus acinaciformis	15.6	Quercus ilex	15.4

*Constant species (occurrence frequencies)*

Juniperus oxycedrus	72.0	Rubia peregrina	71.0
Asparagus acutifolius	69.0	Smilax aspera	63.0
Phillyrea angustifolia	42.0	Spartium junceum	39.0
Pistacia lentiscus	38.0	Daphne gnidium	38.0
Lonicera implexa	36.0	Rhamnus alaternus	33.0
Pinus pinaster	32.0	Cistus incanus	32.0
Dorycnium hirsutum	27.0	Clematis flammula	25.0
Rubus ulmifolius	23.0	Prasium majus	22.0
Seseli tortuosum	20.0	Arbutus unedo	18.0
Quercus ilex	17.0	Phillyrea latifolia	17.0
Pancratium maritimum	17.0	Hedera helix	16.0
Teucrium flavum	15.0	Helichrysum stoechas	15.0
Ephedra fragilis	15.0	Cutandia divaricata	15.0
Periploca graeca	14.0	Rosa sempervirens	12.0
Ononis natrix	12.0	Launaea fragilis	12.0
Centaurea sphaerocephala	12.0	Eryngium maritimum	11.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Juniperus oxycedrus	59.0	Phillyrea angustifolia	28.0
Spartium junceum	18.0	Smilax aspera	17.0
Salix cinerea	8.0	Rubia peregrina	6.0

**F1.1 - Shrub tundra**

*Diagnostic species (phi coefficient \* 100)*

Empetrum nigrum subsp. hermaphroditum	61.6	Cladonia amaurocraea	55.9
Cassiope tetragona	55.7	Cetraria nivalis	55.2
Betula nana	51.6	Aulacomnium turgidum	49.9
Pedicularis lapponica	49.5	Salix polaris	47.2
Cetraria cucullata	46.8	Vaccinium uliginosum	46.2
Thamnolia vermicularis	45.4	Stereocaulon paschale	45.0
Cetraria ericetorum	42.6	Sphaerophorus globosus	41.8
Sphenolobus minutus	39.4	Rubus chamaemorus	39.3
Carex rariflora	38.8	Cladonia arbuscula	38.3
Nephroma arcticum	37.9	Cladonia stellaris	36.7
Cladonia uncialis	36.6	Dicranum elongatum	36.4
Cladonia gracilis	35.6	Dicranum fuscescens	35.2
Cladonia mitis	35.1	Ptilidium ciliare	33.2
Polytrichum strictum	33.2	Cetraria islandica	33.1
Salix nummularia	32.9	Ochrolechia frigida	32.7
Peltigera scabrosa	32.5	Pannaria pezizoides	32.4
Cephalozia ambigua	32.4	Draba subcapitata	32.3
Bryocaulon divergens	32.2	Barbilophozia binstaedii	32.1
Arctostaphylos alpinus	31.5	Polytrichum hyperboreum	31.1
Psoroma hypnorum	30.9	Dicranum spadiceum	30.9
Cladonia ecmocyna	29.9	Peltigera leucophlebia	29.8
Poa arctica	29.7	Pohlia cruda	29.5
Barbilophozia hatcheri	29.0	Cardamine bellidifolia	28.6
Phyllodoce caerulea	28.5	Loiseleuria procumbens	28.4
Mylia anomala	27.5	Alectoria nigricans	27.5
Distichium capillaceum	26.6	Vaccinium microcarpum	25.9
Blepharostoma trichophyllum	25.9	Carex rupestris	25.6
Cladonia rangiferina	25.2	Oxyria digyna	24.9
Cornus suecica	24.5	Ledum palustre	23.8
Cnestrum glaucescens	23.5	Peltolepis quadrata	23.4
Rinodina mniaraea	23.0	Kiaeria blyttii	23.0
Platydictya jungermannioides	22.9	Peltigera lepidophora	22.9
Tetraplodon mnioides	22.8	Physconia muscigena	22.8
Orthothecium strictum	22.7	Racomitrium microcarpon	22.6
Cyrtomnium hymenophyllum	22.6	Orthocaulis kunzeanus	22.4
Leiocolea heterocolpos	22.4	Hierochloe alpina	22.4
Solorina bispora	22.3	Encalypta alpina	22.3
Tanacetum bipinnatum	22.2	Cladonia macrophylla	22.1
Encalypta rhamnoides	21.9	Pedicularis hirsuta	21.5
Petasites frigidus	21.4	Polygonum viviparum	21.3
Ranunculus sulphureus	21.2	Stellaria longipes	21.1

Myurella julacea	21.1	Brachythecium turgidum	21.0
Cladonia subcervicornis	20.9	Cassiope hypnoides	20.9
Icmadophila ericetorum	20.8	Hylocomium splendens	20.8
Dicranella cerviculata	20.8	Bartramia ithyphylla	20.8
Orthothecium chryseon	20.7	Cladonia verticillata	20.7
Silene acaulis	20.6	Anastrophyllum minutum	20.5
Odontoschisma elongatum	20.4	Equisetum scirpoides	20.4
Cephalozia pleniceps	20.4	Stereocaulon alpinum	20.3
Tortella fragilis	20.1	Luzula arctica	20.1
Carex fuliginosa	20.1	Lophozia wenzelii	19.9
Saxifraga oppositifolia	19.5	Saxifraga cernua	19.5
Cerastium nigrescens	19.1	Anthelia juratzkana	18.9
Cladonia coccifera	18.7	Calypogeia neesiana	18.6
Luzula confusa	18.0	Carex rotundata	18.0
Mnium marginatum	17.9	Oncophorus virens	17.1
Cladonia mediterranea	17.0	Cladonia chlorophaea	16.9
Pinguicula vulgaris	16.5	Meesia uliginosa	16.5
Polytrichum juniperinum	16.4	Cladonia deformis	16.4
Oncophorus wahlenbergii	16.3	Carex bigelowii	16.2
Tomentypnum nitens	15.9	Peltigera aphthosa	15.5
Dryas octopetala	15.3	Corallorhiza trifida	15.3

*Constant species (occurrence frequencies)*

Vaccinium uliginosum	67.0	Empetrum nigrum subsp. hermaphroditum	61.0
Betula nana	50.0	Hylocomium splendens	39.0
Cladonia arbuscula	39.0	Cetraria nivalis	39.0
Rubus chamaemorus	33.0	Polytrichum strictum	33.0
Cladonia uncialis	33.0	Cladonia amaurocraea	33.0
Cetraria islandica	33.0	Cassiope tetragona	33.0
Vaccinium vitis-idaea	28.0	Thamnia vermicularis	28.0
Salix polaris	28.0	Ptilidium ciliare	28.0
Polygonum viviparum	28.0	Pedicularis lapponica	28.0
Dicranum scoparium	28.0	Cladonia gracilis	28.0
Cetraria cucullata	28.0	Aulacomnium turgidum	28.0
Sphaerophorus globosus	22.0	Stereocaulon paschale	22.0
Pleurozium schreberi	22.0	Festuca ovina	22.0
Dicranum fuscescens	22.0	Cladonia rangiferina	22.0
Cladonia mitis	22.0	Cetraria ericetorum	22.0
Carex rariflora	22.0	Vaccinium microcarpum	17.0
Sphenolobus minutus	17.0	Silene acaulis	17.0
Polytrichum juniperinum	17.0	Pinguicula vulgaris	17.0
Ochrolechia frigida	17.0	Nephroma arcticum	17.0
Mylia anomala	17.0	Loiseleuria procumbens	17.0
Ledum palustre	17.0	Dicranum elongatum	17.0
Cladonia stellaris	17.0	Arctostaphylos alpinus	17.0
Andromeda polifolia	17.0	Vaccinium myrtillus	11.0
Tomentypnum nitens	11.0	Saxifraga oppositifolia	11.0
Salix nummularia	11.0	Psoroma hypnorum	11.0
Polytrichum hyperboreum	11.0	Polytrichum commune	11.0
Pohlia cruda	11.0	Poa arctica	11.0
Phyllodoce caerulea	11.0	Peltigera scabrosa	11.0

Peltigera leucophlebia	11.0	Pannaria pezizoides	11.0
Oxyria digyna	11.0	Eriophorum vaginatum	11.0
Equisetum arvense	11.0	Empetrum nigrum	11.0
Dryas octopetala	11.0	Draba subcapitata	11.0
Distichium capillaceum	11.0	Dicranum spadiceum	11.0
Cornus suecica	11.0	Cladonia chlorophaea	11.0
Cladonia ecmocyna	11.0	Cladonia coccifera	11.0
Cephalozia ambigua	11.0	Carex rupestris	11.0
Carex bigelowii	11.0	Cardamine bellidifolia	11.0
Bryocaulon divergens	11.0	Blepharostoma trichophyllum	11.0
Bartsia alpina	11.0	Barbilophozia hatcheri	11.0
Barbilophozia binstaedii	11.0	Alectoria nigricans	11.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Empetrum nigrum subsp. hermaphroditum	44.0	Pleurozium schreberi	11.0
Empetrum nigrum	11.0	Cassiope tetragona	11.0
Stereocaulon paschale	6.0	Rubus chamaemorus	6.0
Ptilidium ciliare	6.0	Ochrolechia frigida	6.0
Drepanocladus uncinatus	6.0	Cladonia arbuscula	6.0
Aulacomnium palustre	6.0	Arctostaphylos alpinus	6.0

**F1.2 - Moss and lichen tundra**

*Diagnostic species (phi coefficient \* 100)*

Salix polaris	66.3	Dryas octopetala	59.2
Cerastium nigrescens	47.3	Empetrum nigrum subsp. hermaphroditum	46.7
Cladonia stellaris	46.4	Cetraria cucullata	43.9
Cetraria nivalis	41.7	Orthocaulis kunzeanus	40.0
Betula nana	37.7	Saxifraga oppositifolia	36.9
Pedicularis lapponica	36.9	Luzula confusa	36.7
Dicranum elongatum	36.3	Cladonia rangiferina	35.6
Sphaerophorus globosus	35.0	Ochrolechia frigida	32.6
Carex bigelowii	32.3	Rubus chamaemorus	31.2
Ptilidium ciliare	30.4	Ranunculus affinis	28.7
Draba nivalis	28.7	Draba cinerea	28.7
Silene uralensis	28.6	Taraxacum brachyceras	28.5
Polemonium boreale	28.4	Puccinellia vahliana	28.3
Comastoma tenellum	28.2	Draba lactea	28.0
Dicranum flexicaule	27.6	Barbilophozia binstaedii	27.5
Saxifraga nivalis	27.2	Cladonia subfurcata	26.9
Stellaria longipes	26.7	Polytrichum hyperboreum	26.3
Trisetum spicatum	26.2	Equisetum scirpoides	26.1
Anastrophyllum minutum	26.1	Luzula arctica	25.8
Carex fuliginosa	25.8	Saxifraga cespitosa	25.6
Cladonia amaurocraea	25.5	Cassiope tetragona	25.4
Polygonum viviparum	25.3	Cladonia ecmocyna	25.0
Poa arctica	24.8	Vaccinium uliginosum	24.7
Alectoria ochroleuca	23.6	Alectoria nigricans	22.6
Oncophorus wahlenbergii	22.0	Carex rupestris	20.7

Carex rariflora	19.0	Cladonia arbuscula	18.2
Carex aquatilis	18.0	Salix lapponum	17.6
Polytrichum juniperinum	16.4	Linnaea borealis	16.2
Loiseleuria procumbens	16.1	Cladonia mitis	16.1
Cephalozia bicuspidata	15.7		

*Constant species (occurrence frequencies)*

Dryas octopetala	58.0	Salix polaris	50.0
Empetrum nigrum subsp. hermaphroditum	42.0	Vaccinium uliginosum	33.0
Polygonum viviparum	33.0	Cladonia rangiferina	33.0
Betula nana	33.0	Saxifraga oppositifolia	25.0
Rubus chamaemorus	25.0	Ptilidium ciliare	25.0
Cladonia stellaris	25.0	Cetraria nivalis	25.0
Cetraria cucullata	25.0	Cerastium nigrescens	25.0
Carex bigelowii	25.0	Sphaerophorus globosus	17.0
Vaccinium vitis-idaea	17.0	Polytrichum juniperinum	17.0
Pedicularis lapponica	17.0	Orthocaulis kunzeanus	17.0
Ochrolechia frigida	17.0	Luzula confusa	17.0
Dicranum elongatum	17.0	Cladonia arbuscula	17.0
Campanula rotundifolia	17.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Empetrum nigrum subsp. hermaphroditum	25.0	Cladonia stellaris	25.0
Racomitrium lanuginosum	8.0	Cetraria nivalis	8.0
Betula nana	8.0		

**F2.1 - Subarctic and Alpine dwarf Salix scrub**

*Diagnostic species (phi coefficient \* 100)*

Salix herbacea	57.5	Salix retusa	50.5
Polygonum viviparum	39.3	Gnaphalium supinum	38.4
Salix reticulata	35.7	Saxifraga androsacea	34.7
Silene acaulis	34.4	Poa alpina	33.6
Sibbaldia procumbens	32.6	Veronica alpina	31.2
Ranunculus alpestris	30.9	Pritzelago alpina	30.0
Veronica aphylla	27.1	Potentilla brauniana	26.1
Salix serpillifolia	25.8	Soldanella alpina	25.3
Myosotis alpestris	25.2	Saxifraga oppositifolia	24.5
Carex foetida	23.8	Salix polaris	23.2
Luzula alpinopilosa	23.2	Anthelia juratzkana	23.0
Conostomum tetragonum	22.0	Kiaeria starkei	21.8
Bartsia alpina	21.5	Galium noricum	21.4
Androsace carnea	20.9	Alchemilla pentaphyllea	20.7
Sedum alpestre	20.6	Gentiana verna	20.4
Festuca quadriflora	20.4	Kobresia myosuroides	20.3
Polytrichastrum sexangulare	20.1	Cardamine bellidifolia	20.0
Minuartia sedoides	19.9	Aulacomnium turgidum	19.7
Dactylina arctica	19.0	Achillea atrata	18.9
Cladonia bellidiflora	18.8	Gnaphalium hoppeanum	18.3



Moehringia ciliata	18.2	Gymnomitrium concinatum	18.1
Sanionia uncinata	17.9	Festuca glacialis	17.9
Sagina saginoides	17.8	Pedicularis verticillata	17.7
Polytrichastrum alpinum	17.6	Luzula arctica	17.5
Cerastium cerastoides	17.4	Alopecurus gerardii	17.4
Alopecurus alpinus	17.4	Oligotrichum hercynicum	17.0
Leucanthemopsis alpina	17.0	Thamnotia vermicularis	16.8
Psoroma hypnorum	16.6	Plantago alpina	16.6
Arabis bellidifolia	16.6	Taraxacum sect. Alpina	16.5
Juncus trifidus subsp. monanthos	16.3	Gentiana brachyphylla	16.1
Cetraria cucullata	16.0	Arenaria ciliata	16.0
Gentiana bavarica	15.7	Festuca violacea	15.7
Parmelia skultii	15.4	Armeria alpina	15.4
Luzula confusa	15.3	Stereocaulon rivulorum	15.2
Lophozia sudetica	15.2	Salix alpina	15.1
Dicranum spadicum	15.1		

*Constant species (occurrence frequencies)*

Polygonum viviparum	53.0	Salix herbacea	50.0
Poa alpina	41.0	Salix retusa	37.0
Silene acaulis	30.0	Gnaphalium supinum	25.0
Salix reticulata	23.0	Soldanella alpina	19.0
Bartsia alpina	19.0	Veronica alpina	17.0
Sibbaldia procumbens	17.0	Ranunculus alpestris	17.0
Myosotis alpestris	17.0	Carex nigra	16.0
Saxifraga androsacea	15.0	Gentiana verna	15.0
Saxifraga oppositifolia	14.0	Pritzelago alpina	14.0
Luzula alpinopilosa	13.0	Campanula scheuchzeri	12.0
Aster bellidiastrum	12.0	Veronica aphylla	11.0
Salix serpillifolia	11.0	Minuartia sedoides	11.0
Festuca quadriflora	11.0	Dryas octopetala	11.0
Cetraria islandica	11.0	Selaginella selaginoides	10.0
Polytrichastrum alpinum	10.0	Plantago alpina	10.0
Leucanthemopsis alpina	10.0	Homogyne alpina	10.0
Geum montanum	10.0	Carex bigelowii	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Salix herbacea	37.0	Salix retusa	31.0
Salix reticulata	11.0	Salix serpillifolia	6.0

**F2.2a - Alpine and subAlpine ericoid heath**

*Diagnostic species (phi coefficient \* 100)*

Vaccinium uliginosum	34.8	Loiseleuria procumbens	33.0
Rhododendron ferrugineum	28.0	Juncus trifidus	27.4
Cetraria islandica	25.4	Dryas octopetala	24.3
Hieracium alpinum	24.0	Homogyne alpina	22.5
Juniperus communis subsp. alpina	21.9	Festuca airoides	21.3
Empetrum nigrum subsp. hermaphroditum	20.8	Vaccinium vitis-idaea	19.7
Avenula versicolor	19.6	Vaccinium myrtillus	19.2

Rhododendron myrtifolium	16.2	Campanula alpina	16.1
Phyteuma hemisphaericum	16.0	Potentilla aurea	15.9
Agrostis rupestris	15.6	Leontodon pyrenaicus	15.5
Oreochloa disticha	15.1		

*Constant species (occurrence frequencies)*

Vaccinium myrtillus	59.0	Vaccinium uliginosum	47.0
Vaccinium vitis-idaea	38.0	Deschampsia flexuosa	38.0
Calluna vulgaris	30.0	Homogyne alpina	28.0
Cetraria islandica	24.0	Rhododendron ferrugineum	23.0
Juncus trifidus	21.0	Juniperus communis subsp. alpina	20.0
Loiseleuria procumbens	19.0	Nardus stricta	18.0
Dryas octopetala	18.0	Potentilla erecta	17.0
		Empetrum nigrum subsp.	
		hermaphroditum	15.0
Hylocomium splendens	15.0	Polygonum viviparum	14.0
Potentilla aurea	14.0	Hieracium alpinum	13.0
Pleurozium schreberi	14.0	Cladonia arbuscula	13.0
Dicranum scoparium	13.0	Avenula versicolor	13.0
Carex sempervirens	13.0	Anthoxanthum odoratum	12.0
Festuca airoides	12.0	Luzula luzuloides	11.0
Solidago virgaurea	11.0	Agrostis rupestris	11.0
Cladonia rangiferina	11.0	Huperzia selago	10.0
Phyteuma hemisphaericum	10.0		
Antennaria dioica	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Vaccinium myrtillus	21.0	Vaccinium uliginosum	20.0
Calluna vulgaris	13.0	Loiseleuria procumbens	12.0
Dryas octopetala	12.0	Rhododendron ferrugineum	10.0
Empetrum nigrum subsp.			
hermaphroditum	10.0		

**F2.2b - Alpine and subAlpine Juniperus scrub**

*Diagnostic species (phi coefficient \* 100)*

Juniperus communis subsp. alpina	77.5	Bruckenthalia spiculifolia	25.7
Brachypodium genuense	24.7	Lerchenfeldia flexuosa	24.6
Genista depressa	23.9	Daphne oleoides	23.9
Arctostaphylos uva-ursi	22.0	Potentilla ternata	19.6
Viola eugeniae	18.3	Sesleria tenuifolia	18.3
Festuca valida	18.1	Globularia meridionalis	16.7
Viola dacica	16.0	Carlina macrocephala	15.5
Campanula epigaeae	15.1		

*Constant species (occurrence frequencies)*

Juniperus communis subsp. alpina	98.0	Vaccinium myrtillus	44.0
Deschampsia flexuosa	32.0	Anthoxanthum odoratum	22.0
Vaccinium uliginosum	20.0	Vaccinium vitis-idaea	19.0
Nardus stricta	18.0	Festuca rubra	18.0
Arctostaphylos uva-ursi	18.0	Thymus praecox	17.0
Helianthemum nummularium	16.0	Calluna vulgaris	15.0

Lotus corniculatus	14.0	Potentilla erecta	13.0
Agrostis capillaris	13.0	Luzula luzuloides	12.0
Lerchenfeldia flexuosa	12.0	Daphne oleoides	12.0
Bruckenthalia spiculifolia	12.0	Bromus erectus	12.0
Phyteuma orbiculare	11.0	Homogyne alpina	11.0
Cruciata glabra	11.0	Campanula scheuchzeri	11.0
Solidago virgaurea	10.0	Rubus idaeus	10.0
Genista depressa	10.0	Festuca nigrescens	10.0
Carex caryophylla	10.0	Calamagrostis arundinacea	10.0
Brachypodium genuense	10.0	Antennaria dioica	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Juniperus communis subsp. alpina	98.0	Arctostaphylos uva-ursi	8.0
Deschampsia flexuosa	5.0		

**F2.2c - Balkan subAlpine genistoid scrub**

*Diagnostic species (phi coefficient \* 100)*

Genista radiata	98.8	Brachypodium genuense	63.3
Carex macrolepis	51.6	Stachys alopecuros	41.9
Daphne oleoides	40.6	Carduus nutans	38.9
Laserpitium siler	35.2	Galium lucidum	33.8
Avenula praetutiana	33.2	Asperula purpurea	32.9
Teucrium montanum	32.3	Chamaecytisus spinescens	32.3
Bromus erectus	31.5	Laserpitium peucedanoides	31.3
Sesleria tenuifolia	30.6	Cynoglottis barrelieri	29.6
Viola eugeniae	29.4	Rosa pendulina	27.7
Koeleria lobata	27.2	Sesleria nitida	27.0
Polygala major	26.1	Cirsium erisithales	26.1
Erica herbacea	25.7	Erysimum pseudorhaeticum	25.6
Thymus longicaulis	25.3	Euphorbia myrsinites	24.6
Globularia meridionalis	24.5	Arabis brassica	24.2
Cerastium tomentosum	24.0	Salix glabra	23.7
Salix appendiculata	23.3	Sorbus aria agg.	23.1
Crepis praemorsa	22.8	Asperula aristata	22.5
Sesleria pichiana	22.3	Festuca billyi	22.2
Anemone trifolia	22.1	Thlaspi brachypetalum	22.0
Potentilla crantzii	22.0	Cephalaria laevigata	22.0
Phleum ambiguum	21.9	Calamagrostis varia	21.8
Scabiosa banatica	21.4	Amelanchier ovalis	21.4
Eryngium alpinum	21.0	Euphorbia kernerii	20.7
Carlina acaulis	20.5	Aquilegia einseleana	20.5
Bupthalmum salicifolium	20.2	Athamanta turbith	20.2
Centaurea haynaldii	20.1	Polygala chamaebuxus	19.6
Lunaria annua	19.3	Helianthemum oelandicum	19.2
Centaurea parlatoris	19.2	Campanula witasekiana	19.2
Thesium rostratum	18.9	Thymus praecox	18.8
Festuca robustifolia	18.8	Pleurospermum austriacum	18.6
Centaurea triumfetti	18.6	Ranunculus carinthiacus	18.3
Lilium carniolicum	18.3	Leontodon incanus	18.3
Bupleurum falcatum	18.2	Scabiosa graminifolia	17.8

Seseli rigidum	17.7	Seseli libanotis	17.3
Helictotrichon sempervirens	17.2	Cotoneaster integerrimus	16.8
Centaurea ambigua	16.8	Teucrium chamaedrys	16.7
Knautia illyrica	16.6	Erysimum jugicola	16.6
Tanacetum corymbosum subsp. clusii	15.9	Sedum rupestre	15.9
Rhamnus alpinus	15.9	Phyteuma scheuchzeri	15.9
Chamaecytisus purpureus	15.8	Dianthus petraeus	15.8

*Constant species (occurrence frequencies)*

Genista radiata	100.0	Bromus erectus	70.0
Teucrium montanum	45.0	Brachypodium genuense	45.0
Teucrium chamaedrys	40.0	Sorbus aria agg.	40.0
Galium lucidum	35.0	Thymus praecox	30.0
Stachys alopecuros	30.0	Rosa pendulina	30.0
Carlina acaulis	30.0	Carex macrolepis	30.0
Carduus nutans	30.0	Laserpitium siler	25.0
Helianthemum nummularium	25.0	Erica herbacea	25.0
Daphne oleoides	25.0	Calamagrostis varia	25.0
Brachypodium pinnatum	25.0	Asperula purpurea	25.0
Amelanchier ovalis	25.0	Thymus longicaulis	20.0
Polygala chamaebuxus	20.0	Lotus corniculatus	20.0
Helianthemum oelandicum	20.0	Cirsium erisithales	20.0
Bupleurum falcatum	20.0	Buphthalmum salicifolium	20.0
Tanacetum corymbosum	15.0	Stachys recta	15.0
Sesleria tenuifolia	15.0	Sesleria caerulea	15.0
Seseli libanotis	15.0	Sedum rupestre	15.0
Salix appendiculata	15.0	Quercus pubescens	15.0
Potentilla crantzii	15.0	Polygala major	15.0
Laserpitium peucedanoides	15.0	Koeleria lobata	15.0
Chamaecytisus spinescens	15.0	Gymnadenia conopsea	15.0
Galium mollugo agg.	15.0	Euphorbia myrsinites	15.0
Cerastium arvense	15.0	Carduus defloratus agg.	15.0
Avenula praetutiana	15.0	Asperula aristata	15.0
Anemone trifolia	15.0	Acer opalus	15.0
Viola eugeniae	10.0	Thymus serpyllum	10.0
Silene italica	10.0	Sesleria nitida	10.0
Scabiosa columbaria	10.0	Sanguisorba minor	10.0
Salix glabra	10.0	Rubus idaeus	10.0
Rhamnus alpinus	10.0	Prunella grandiflora	10.0
Prenanthes purpurea	10.0	Polygonatum odoratum	10.0
Pinus sylvestris	10.0	Pimpinella saxifraga	10.0
Phleum ambiguum	10.0	Peucedanum oreoselinum	10.0
Molinia caerulea agg.	10.0	Mercurialis perennis	10.0
Leontodon incanus	10.0	Laserpitium latifolium	10.0
Juniperus communis subsp. alpina	10.0	Hippocrepis comosa	10.0
Globularia meridionalis	10.0	Erysimum pseudorhaeticum	10.0
Dactylis glomerata	10.0	Cynoglossis barrelieri	10.0
Cyclamen purpurascens	10.0	Crepis praemorsa	10.0
Cotoneaster integerrimus	10.0	Cerastium tomentosum	10.0
Centaurea triumfetti	10.0	Carex flacca	10.0
Asperula cynanchica	10.0	Arctostaphylos uva-ursi	10.0

Arabis brassica 10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Genista radiata	100.0	Eryngium alpinum	5.0
Erica herbacea	5.0	Brachypodium genuense	5.0

**F2.3 - SubAlpine deciduous scrub**

*Diagnostic species (phi coefficient \* 100)*

Alnus viridis	68.1	Viola biflora	43.9
Peucedanum ostruthium	43.4	Adenostyles alliariae	36.4
Saxifraga rotundifolia	35.4	Salix waldsteiniana	33.5
Salix appendiculata	32.3	Rumex alpestris	32.3
Salix helvetica	29.9	Geranium sylvaticum	29.0
Athyrium distentifolium	26.6	Achillea macrophylla	26.3
Aconitum napellus	26.3	Chaerophyllum villarsii	26.2
Cicerbita alpina	26.2	Rhododendron hirsutum	25.3
Polystichum lonchitis	24.3	Epilobium alpestre	23.7
Veratrum album	23.5	Cymbalaria hepaticifolia	22.1
Agrostis agrostiflora	21.7	Salix glabra	21.6
Veratrum lobelianum	20.8	Thalictrum aquilegiifolium	20.7
Rhododendron ferrugineum	20.7	Sorbus chamaemespilus	20.4
Homogyne alpina	20.4	Gentiana punctata	20.1
Valeriana montana	19.7	Soldanella alpina	19.0
Rosa pendulina	18.4	Valeriana tripteris	18.3
Aconitum lycoctonum subsp. vulparia	18.2	Hugueninia tanacetifolia	17.9
Aconitum napellus subsp. firmum	17.8	Pedicularis recutita	17.4
Salix silesiaca	16.9	Astrantia minor	16.8
Rhamnus alpinus	16.7	Asplenium viride	16.5
Rhodiola rosea	16.4	Stellaria nemorum	16.3
Carex ferruginea	16.2	Ranunculus aconitifolius	16.0
Ranunculus platanifolius	15.7	Calamagrostis villosa	15.4
Lonicera caerulea	15.1		

*Constant species (occurrence frequencies)*

Alnus viridis	59.0	Viola biflora	48.0
Geranium sylvaticum	40.0	Vaccinium myrtillus	38.0
Sorbus aucuparia	38.0	Adenostyles alliariae	35.0
Rubus idaeus	34.0	Saxifraga rotundifolia	33.0
Peucedanum ostruthium	30.0	Solidago virgaurea	28.0
Rumex alpestris	27.0	Homogyne alpina	26.0
Veratrum album	23.0	Dryopteris filix-mas	23.0
Salix appendiculata	22.0	Dryopteris dilatata	22.0
Stellaria nemorum	21.0	Oxalis acetosella	21.0
Deschampsia cespitosa	20.0	Athyrium filix-femina	20.0
Rosa pendulina	19.0	Geum rivale	18.0
Valeriana tripteris	17.0	Thalictrum aquilegiifolium	17.0
Senecio nemorensis	17.0	Rhododendron hirsutum	17.0
Rhododendron ferrugineum	17.0	Polystichum lonchitis	17.0
Picea abies	17.0	Chaerophyllum villarsii	17.0

Chaerophyllum hirsutum	17.0	Hypericum maculatum	17.0
Heracleum sphondylium	17.0	Cicerbita alpina	17.0
Silene vulgaris	15.0	Salix waldsteiniana	15.0
Calamagrostis villosa	15.0	Athyrium distentifolium	15.0
Aconitum napellus	15.0	Acer pseudoplatanus	15.0
Veratrum lobelianum	14.0	Valeriana montana	14.0
Soldanella alpina	14.0	Rubus saxatilis	14.0
Polygonatum verticillatum	14.0	Deschampsia flexuosa	14.0
Campanula scheuchzeri	14.0	Urtica dioica	12.0
Paris quadrifolia	12.0	Juniperus communis subsp. alpina	12.0
Carex ferruginea	12.0	Bistorta officinalis	12.0
Asplenium viride	12.0	Alchemilla vulgaris	12.0
Aconitum lycoctonum subsp. vulparia	12.0	Sorbus chamaemespilus	11.0
Ranunculus serpens subsp. nemorosus	11.0	Poa nemoralis	11.0
Poa alpina	11.0	Hylocomium splendens	11.0
Gentiana asclepiadea	11.0	Adenostyles alpina	11.0
Salix helvetica	10.0	Rhytidiadelphus triquetrus	10.0
Rhamnus alpinus	10.0	Ranunculus aconitifolius	10.0
Luzula sylvatica	10.0	Ligusticum mutellina	10.0
Knautia dipsacifolia	10.0	Fragaria vesca	10.0
Daphne mezereum	10.0	Cystopteris fragilis	10.0
Calamagrostis varia	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Alnus viridis	53.0	Salix helvetica	9.0
Rhamnus alpinus	9.0	Adenostyles alliariae	9.0
Salix waldsteiniana	8.0	Salix silesiaca	6.0
Salix appendiculata	6.0		

**F2.4 - SubAlpine Pinus mugo scrub**

*Diagnostic species (phi coefficient \* 100)*

Pinus mugo	88.0	Rhododendron hirsutum	44.8
Sorbus chamaemespilus	39.2	Erica herbacea	37.4
Salix glabra	35.9	Homogyne alpina	33.6
Vaccinium vitis-idaea	32.8	Rhodothamnus chamaecistus	30.9
Lonicera caerulea	30.0	Calamagrostis villosa	28.9
Salix waldsteiniana	28.7	Juniperus communis subsp. alpina	28.6
Salix appendiculata	27.1	Laserpitium peucedanoides	26.6
Clematis alpina	25.7	Daphne striata	24.7
Valeriana montana	24.4	Vaccinium myrtillus	24.1
Rhododendron ferrugineum	24.0	Valeriana saxatilis	23.7
Lycopodium annotinum	23.6	Astrantia bavarica	23.4
Valeriana tripteris	23.3	Dryas octopetala	23.1
Viola biflora	22.9	Stachys alopecuros	22.4
Rosa pendulina	21.7	Aster bellidiastrum	21.4
Sesleria caerulea	20.5	Galium anisophyllum	19.9
Polygala chamaebuxus	19.7	Paederota lutea	19.7
Thymus alpestris	19.4	Carex ferruginea	18.5

Rubus saxatilis	18.4	Calamagrostis varia	18.2
Cetraria islandica	17.7	Globularia cordifolia	17.4
Arctostaphylos uva-ursi	17.1	Biscutella laevigata	17.0
Asplenium viride	16.9	Campanula scheuchzeri	16.4
Soldanella alpina	16.2	Huperzia selago	16.2
Gentiana pannonica	16.1	Bartsia alpina	15.6
Veratrum album	15.3	Anemone trifolia	15.3
Ranunculus hybridus	15.1	Pulsatilla alpina	15.1

*Constant species (occurrence frequencies)*

Pinus mugo	100.0	Vaccinium myrtillus	73.0
Vaccinium vitis-idaea	64.0	Homogyne alpina	44.0
Erica herbacea	38.0	Dicranum scoparium	35.0
Rhododendron hirsutum	34.0	Sorbus aucuparia	32.0
Sesleria caerulea	31.0	Picea abies	30.0
Hieracium murorum	30.0	Calamagrostis villosa	30.0
Juniperus communis subsp. alpina	28.0	Deschampsia flexuosa	28.0
Sorbus chamaemespilus	25.0	Solidago virgaurea	25.0
Rubus saxatilis	25.0	Pleurozium schreberi	25.0
Hylocomium splendens	25.0	Viola biflora	23.0
Rosa pendulina	23.0	Valeriana tripteris	22.0
Aster bellidiastrum	22.0	Rhytidiadelphus triquetrus	20.0
Polygala chamaebuxus	20.0	Luzula sylvatica	20.0
Geranium sylvaticum	20.0	Calamagrostis varia	20.0
Vaccinium uliginosum	19.0	Rhododendron ferrugineum	19.0
Oxalis acetosella	19.0	Lycopodium annotinum	19.0
Valeriana montana	18.0	Salix appendiculata	18.0
Salix glabra	17.0	Phyteuma orbiculare	17.0
Juniperus communis subsp. communis	17.0	Dryas octopetala	17.0
Clematis alpina	17.0	Lotus corniculatus	16.0
Lonicera caerulea	16.0	Larix decidua	16.0
Galium anisophyllum	16.0	Dryopteris dilatata	16.0
Cetraria islandica	16.0	Campanula scheuchzeri	16.0
Veratrum album	15.0	Rhodothamnus chamaecistus	15.0
Potentilla erecta	15.0	Rubus idaeus	14.0
Polygonum viviparum	14.0	Huperzia selago	14.0
Globularia cordifolia	14.0	Daphne mezereum	14.0
Carex ferruginea	14.0	Biscutella laevigata	14.0
Bartsia alpina	14.0	Amelanchier ovalis	14.0
Tortella tortuosa	13.0	Tofieldia calyculata	13.0
Stachys alopecuroides	13.0	Sorbus aria agg.	13.0
Polygonatum verticillatum	13.0	Asplenium viride	13.0
Arctostaphylos uva-ursi	13.0	Pulsatilla alpina	12.0
Helianthemum oelandicum	12.0	Carduus defloratus agg.	12.0
Valeriana saxatilis	11.0	Soldanella alpina	11.0
Salix waldsteiniana	11.0	Melampyrum sylvaticum	11.0
Laserpitium peucedanoides	11.0	Epipactis atrorubens	11.0
Carex sempervirens	11.0	Campanula rotundifolia	11.0
Calluna vulgaris	11.0	Gymnocarpium dryopteris	10.0
Cladonia rangiferina	10.0	Anemone trifolia	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Pinus mugo	100.0	Vaccinium myrtillus	28.0
Erica herbacea	15.0	Rhododendron hirsutum	10.0
Rhododendron ferrugineum	5.0		

**F3.1a - Lowland to montane temperate and sub-Mediterranean Juniperus scrub**

*Diagnostic species (phi coefficient \* 100)*

Juniperus communis subsp. communis	48.2	Barbilophozia barbata	23.1
Palmogloea protuberans	22.1	Berberis aetnensis	15.4
Campylopus pyriformis	15.1		

*Constant species (occurrence frequencies)*

Juniperus communis subsp. communis	100.0	Calluna vulgaris	29.0
Deschampsia flexuosa	26.0	Dicranum scoparium	24.0
Brachypodium pinnatum	24.0	Pleurozium schreberi	21.0
Vaccinium myrtillus	19.0	Rosa canina agg.	18.0
Teucrium chamaedrys	17.0	Potentilla erecta	17.0
Hypnum jutlandicum	16.0	Hieracium pilosella	16.0
Festuca ovina	16.0	Agrostis capillaris	16.0
Sanguisorba minor	15.0	Pseudoscleropodium purum	15.0
Pinus sylvestris	15.0	Lotus corniculatus	15.0
Galium saxatile	15.0	Festuca rubra	15.0
Leontodon hispidus	14.0	Hypnum cupressiforme	14.0
Frangula alnus	14.0	Carex flacca	14.0
Hippocrepis comosa	13.0	Campanula rotundifolia	13.0
Lophocolea bidentata	12.0	Helianthemum nummularium	12.0
Euphorbia cyparissias	12.0	Carlina vulgaris	12.0
Briza media	12.0	Anthoxanthum odoratum	12.0
Sorbus aucuparia	11.0	Quercus robur	11.0
Prunus spinosa	11.0	Ligustrum vulgare	11.0
Hylocomium splendens	11.0	Achillea millefolium	11.0
Agrostis vinealis	11.0	Rumex acetosella	10.0
Ptilidium ciliare	10.0	Pohlia nutans	10.0
Plantago lanceolata	10.0	Linum catharticum	10.0
Asperula cynanchica	10.0	Anthyllis vulneraria	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Juniperus communis subsp. communis	100.0	Brachypodium pinnatum	10.0
Calluna vulgaris	7.0	Festuca rubra	5.0

**F3.1b - Temperate Rubus scrub**

*Diagnostic species (phi coefficient \* 100)*

Rubus caesius	19.4
---------------	------

*Constant species (occurrence frequencies)*



Rubus fruticosus agg.	47.0	Urtica dioica	44.0
Rubus caesius	38.0	Rubus idaeus	30.0
Galium aparine	24.0	Dactylis glomerata	23.0
Cirsium arvense	22.0	Elymus repens	20.0
Arrhenatherum elatius	20.0	Poa trivialis	15.0
Calamagrostis epigejos	15.0	Agrostis capillaris	15.0
Heracleum sphondylium	14.0	Calystegia sepium	14.0
Galium mollugo agg.	13.0	Festuca rubra	13.0
Epilobium angustifolium	13.0	Sorbus aucuparia	12.0
Holcus lanatus	12.0	Poa pratensis	11.0
Equisetum arvense	11.0	Athyrium filix-femina	11.0
Artemisia vulgaris	11.0	Anthriscus sylvestris	11.0
Achillea millefolium	11.0	Senecio nemorensis	10.0
Sambucus nigra	10.0	Crataegus monogyna	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Rubus fruticosus agg.	38.0	Rubus caesius	37.0
Rubus idaeus	22.0		

**F3.1c - Lowland to montane temperate and sub-Mediterranean genistoid scrub**

*Diagnostic species (phi coefficient \* 100)*

Ulex europaeus	43.2	Cytisus scoparius	40.3
Genista florida	24.1	Erica cinerea	15.8
Teucrium scorodonia	15.7	Genista cinerascens	15.4

*Constant species (occurrence frequencies)*

Cytisus scoparius	57.0	Ulex europaeus	42.0
Pteridium aquilinum	37.0	Agrostis capillaris	31.0
Teucrium scorodonia	27.0	Calluna vulgaris	27.0
Potentilla erecta	18.0	Erica cinerea	18.0
Rubus ulmifolius	17.0	Anthoxanthum odoratum	17.0
Rumex acetosella	16.0	Rubus fruticosus agg.	15.0
Holcus lanatus	14.0	Dactylis glomerata	14.0
Achillea millefolium	14.0	Hypochaeris radicata	13.0
Holcus mollis	13.0	Festuca ovina	13.0
Deschampsia flexuosa	12.0	Plantago lanceolata	11.0
Genista florida	11.0	Galium saxatile	11.0
Festuca rubra	11.0	Crataegus monogyna	11.0
Brachypodium pinnatum	11.0	Rosa canina agg.	10.0
Hypericum perforatum	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Cytisus scoparius	47.0	Ulex europaeus	38.0
Pteridium aquilinum	7.0	Genista florida	5.0
Agrostis capillaris	5.0		

**F3.1d - Balkan-Anatolian sub-Montane genistoid scrub**

*Diagnostic species (phi coefficient \* 100)*

Genista lydia	98.5	Minuartia hirsuta	98.0
Allium guttatum	97.9	Centaurea grisebachii	97.7
Hypericum olympicum	96.5	Thymus sibthorpii	94.4
Koeleria lobata	93.3	Micropyrum tenellum	92.0
Asperula aristata	88.4	Rumex acetosella	43.3

*Constant species (occurrence frequencies)*

Thymus sibthorpii	100.0	Rumex acetosella	100.0
Minuartia hirsuta	100.0	Micropyrum tenellum	100.0
Koeleria lobata	100.0	Hypericum olympicum	100.0
Genista lydia	100.0	Centaurea grisebachii	100.0
Asperula aristata	100.0	Allium guttatum	100.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Genista lydia	100.0
---------------	-------

**F3.1e - Temperate and sub-Mediterranean thorn scrub**

*Diagnostic species (phi coefficient \* 100)*

Prunus spinosa	27.8	Rosa canina agg.	21.3
Rubus ulmifolius	17.2	Crataegus monogyna	16.6

*Constant species (occurrence frequencies)*

Prunus spinosa	59.0	Crataegus monogyna	53.0
Rosa canina agg.	42.0	Urtica dioica	35.0
Cornus sanguinea	35.0	Ligustrum vulgare	30.0
Galium aparine	28.0	Sambucus nigra	27.0
Rubus ulmifolius	27.0	Euonymus europaeus	23.0
Hedera helix	22.0	Rubus fruticosus agg.	17.0
Dactylis glomerata	17.0	Corylus avellana	17.0
Clematis vitalba	17.0	Rubus caesius	16.0
Glechoma hederacea	15.0	Geum urbanum	15.0
Fraxinus excelsior	14.0	Brachypodium pinnatum	14.0
Rhamnus catharticus	13.0	Galium mollugo agg.	13.0
Viburnum lantana	12.0	Poa trivialis	12.0
Acer campestre	12.0	Rubia peregrina	11.0
Lonicera periclymenum	11.0	Tamus communis	10.0
Arrhenatherum elatius	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Prunus spinosa	34.0	Crataegus monogyna	22.0
Rubus ulmifolius	13.0	Sambucus nigra	9.0
Cornus sanguinea	9.0	Ligustrum vulgare	7.0

**F3.1f - Low steppic scrub**

*Diagnostic species (phi coefficient \* 100)*

Prunus fruticosa	64.7	Prunus tenella	43.2
Spiraea media	40.1	Caragana frutex	39.6
Phlomis tuberosa	25.3	Spiraea crenata	25.2

Thalictrum minus	25.0	Melica transsilvanica	23.7
Aconitum anthora	21.6	Stachys recta	21.2
Fragaria viridis	21.1	Hylotelephium maximum	19.4
Geranium sanguineum	19.4	Rosa pimpinellifolia	19.1
Artemisia sericea	18.8	Poa transbaicalica	17.3
Salvia nemorosa	17.2	Valeriana rossica	17.1
Linaria angustissima	17.0	Vincetoxicum hirundinaria	16.9
Adonis vernalis	16.7	Stipa pennata	16.3
Scutellaria alpina	16.3	Origanum vulgare	16.3
Salvia stepposa	16.2	Hieracium echioides	16.2
Galium glaucum	16.2	Cotoneaster melanocarpus	16.0
Coronilla varia	16.0	Elymus hispidus	15.8
Medicago romanica	15.7	Verbascum lychnitis	15.5
Fumaria schleicheri	15.5	Artemisia armeniaca	15.4
Medicago falcata	15.3		

*Constant species (occurrence frequencies)*

Prunus fruticosa	53.0	Galium verum	37.0
Teucrium chamaedrys	33.0	Vincetoxicum hirundinaria	30.0
Stachys recta	30.0	Fragaria viridis	30.0
Euphorbia cyparissias	29.0	Thalictrum minus	28.0
Elymus repens	28.0	Poa angustifolia	27.0
Origanum vulgare	27.0	Hypericum perforatum	25.0
Coronilla varia	25.0	Caragana frutex	25.0
Prunus tenella	24.0	Medicago falcata	24.0
Geranium sanguineum	23.0	Rosa canina agg.	22.0
Hylotelephium maximum	22.0	Spiraea media	19.0
Salvia pratensis	19.0	Prunus spinosa	19.0
Festuca rupicola	18.0	Centaurea scabiosa	18.0
Filipendula vulgaris	17.0	Achillea millefolium	17.0
Phlomis tuberosa	16.0	Galium mollugo agg.	16.0
Brachypodium pinnatum	16.0	Rhamnus catharticus	15.0
Bromus inermis	15.0	Asperula cynanchica	15.0
Stipa pennata	14.0	Rosa pimpinellifolia	14.0
Potentilla cinerea	14.0	Phleum phleoides	14.0
Agrimonia eupatoria	14.0	Vicia cracca	13.0
Verbascum lychnitis	13.0	Melica transsilvanica	13.0
Fallopia convolvulus	13.0	Veronica spicata	12.0
Salvia nemorosa	12.0	Falcaria vulgaris	12.0
Elymus hispidus	12.0	Scabiosa ochroleuca	11.0
Polygonatum odoratum	11.0	Pimpinella saxifraga	11.0
Galium glaucum	11.0	Festuca valesiaca	11.0
Dactylis glomerata	11.0	Bupleurum falcatum	11.0
Asparagus officinalis	11.0	Adonis vernalis	11.0
Viola hirta	10.0	Spiraea crenata	10.0
Silene latifolia subsp. alba	10.0	Sanguisorba minor	10.0
Potentilla argentea	10.0	Plantago media	10.0
Koeleria macrantha	10.0	Eryngium campestre	10.0
Dianthus carthusianorum	10.0	Carex humilis	10.0
Achillea pannonica	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Prunus fruticosa	43.0	Prunus tenella	20.0
Spiraea media	19.0	Caragana frutex	18.0

### F3.1g - Corylus avellana scrub

#### *Diagnostic species (phi coefficient \* 100)*

Corylus avellana	31.9
------------------	------

#### *Constant species (occurrence frequencies)*

Corylus avellana	100.0	Crataegus monogyna	45.0
Hedera helix	43.0	Prunus spinosa	31.0
Fragaria vesca	31.0	Geum urbanum	30.0
Geranium robertianum	30.0	Fraxinus excelsior	28.0
Oxalis acetosella	27.0	Cornus sanguinea	27.0
Lonicera periclymenum	26.0	Brachypodium sylvaticum	26.0
Stellaria holostea	25.0	Rubus fruticosus agg.	25.0
Poa nemoralis	25.0	Urtica dioica	24.0
Dryopteris filix-mas	24.0	Mercurialis perennis	23.0
Rosa canina agg.	22.0	Veronica chamaedrys	20.0
Pteridium aquilinum	20.0	Athyrium filix-femina	20.0
Viola reichenbachiana	19.0	Lonicera xylosteum	19.0
Ilex aquifolium	19.0	Hepatica nobilis	19.0
Carex sylvatica	19.0	Vicia sepium	18.0
Sanicula europaea	18.0	Primula vulgaris	18.0
Acer campestre	18.0	Sambucus nigra	16.0
Melica uniflora	16.0	Ligustrum vulgare	16.0
Galium aparine	16.0	Euonymus europaeus	16.0
Campanula trachelium	16.0	Anemone nemorosa	16.0
Lamium galeobdolon	15.0	Asarum europaeum	15.0
Thuidium tamariscinum	14.0	Hyacinthoides non-scripta	14.0
Eurhynchium striatum	14.0	Aegopodium podagraria	14.0
Viburnum lantana	13.0	Tamus communis	13.0
Sorbus aucuparia	13.0	Quercus petraea	13.0
Plagiomnium undulatum	13.0	Kindbergia praelonga	13.0
Heracleum sphondylium	13.0	Euphorbia amygdaloides	13.0
Ajuga reptans	13.0	Viola riviniana	12.0
Viburnum opulus	12.0	Rosa arvensis	12.0
Primula veris	12.0	Polystichum setiferum	12.0
Polygonatum multiflorum	12.0	Clematis vitalba	12.0
Arum maculatum	12.0	Glechoma hederacea	11.0
Conopodium majus	11.0	Potentilla sterilis	10.0
Mycelis muralis	10.0	Fagus sylvatica	10.0
Dryopteris dilatata	10.0	Dactylis glomerata	10.0
Clinopodium vulgare	10.0	Circaea lutetiana	10.0
Carpinus betulus	10.0	Brachypodium pinnatum	10.0
Acer pseudoplatanus	10.0		

#### *Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Corylus avellana	100.0	Hedera helix	11.0
------------------	-------	--------------	------

### F3.1h - Temperate forest clearing scrub

#### *Diagnostic species (phi coefficient \* 100)*

Salix caprea	32.8	Sorbus aucuparia	22.9
Rubus idaeus	18.7		

#### *Constant species (occurrence frequencies)*

Sorbus aucuparia	71.0	Rubus idaeus	46.0
Salix caprea	44.0	Oxalis acetosella	36.0
Vaccinium myrtillus	34.0	Urtica dioica	33.0
Dryopteris dilatata	30.0	Deschampsia flexuosa	30.0
Picea abies	28.0	Betula pendula	28.0
Senecio nemorensis	23.0	Rubus fruticosus agg.	23.0
Fagus sylvatica	23.0	Acer pseudoplatanus	23.0
Athyrium filix-femina	22.0	Dryopteris filix-mas	21.0
Dryopteris carthusiana	19.0	Polytrichastrum formosum	18.0
Fragaria vesca	18.0	Epilobium montanum	18.0
Epilobium angustifolium	18.0	Dicranum scoparium	18.0
Dactylis glomerata	17.0	Sambucus racemosa	16.0
Quercus robur	16.0	Prenanthes purpurea	16.0
Geranium robertianum	15.0	Agrostis capillaris	15.0
Poa nemoralis	14.0	Polygonatum verticillatum	13.0
Pinus sylvestris	13.0	Corylus avellana	13.0
Solidago virgaurea	12.0	Calamagrostis arundinacea	12.0
Betula pubescens	12.0	Abies alba	12.0
Sambucus nigra	11.0	Rosa canina agg.	11.0
Ranunculus repens	11.0	Pleurozium schreberi	11.0
Moehringia trinervia	11.0	Milium effusum	11.0
Luzula sylvatica	11.0	Hylocomium splendens	11.0
Fraxinus excelsior	11.0	Frangula alnus	11.0
Calamagrostis villosa	11.0	Luzula pilosa	10.0
Galium mollugo agg.	10.0	Galium aparine	10.0
Angelica sylvestris	10.0		

#### *Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Sorbus aucuparia	58.0	Salix caprea	38.0
Sambucus racemosa	9.0	Vaccinium myrtillus	8.0
Urtica dioica	6.0		

### F4.1 - Wet heath

#### *Diagnostic species (phi coefficient \* 100)*

Erica tetralix	64.3	Sphagnum compactum	29.1
Trichophorum cespitosum	28.9	Calluna vulgaris	28.7
Narthecium ossifragum	28.5	Juncus squarrosus	26.4
Drosera rotundifolia	25.3	Molinia caerulea agg.	23.9
Sphagnum tenellum	23.1	Sphagnum papillosum	20.6
Drosera intermedia	20.6	Odontoschisma sphagni	20.3
Salix repens	18.2	Gentiana pneumonanthe	18.0
Hypnum jutlandicum	17.9	Cladonia portentosa	17.7
Eriophorum angustifolium	17.3	Rhynchospora alba	15.8

Rhynchospora fusca	15.0	Polygala serpyllifolia	15.0
<i>Constant species (occurrence frequencies)</i>			
Erica tetralix	100.0	Calluna vulgaris	79.0
Molinia caerulea agg.	71.0	Potentilla erecta	47.0
Trichophorum cespitosum	37.0	Eriophorum angustifolium	34.0
Drosera rotundifolia	34.0	Narthecium ossifragum	25.0
Juncus squarrosus	25.0	Hypnum jutlandicum	20.0
Sphagnum papillosum	18.0	Sphagnum compactum	17.0
Carex panicea	17.0	Salix repens	16.0
Betula pubescens	15.0	Sphagnum tenellum	14.0
Pinus sylvestris	14.0	Hypnum cupressiforme	14.0
Eriophorum vaginatum	14.0	Cladonia portentosa	14.0
Rhynchospora alba	13.0	Dicranum scoparium	13.0
Aulacomnium palustre	13.0	Sphagnum capillifolium	12.0
Polygala serpyllifolia	12.0	Pleurozium schreberi	12.0
Gentiana pneumonanthe	12.0	Drosera intermedia	12.0
Danthonia decumbens	12.0	Vaccinium oxycoccus	11.0
Carex echinata	11.0	Odontoschisma sphagni	10.0
Nardus stricta	10.0	Genista anglica	10.0
Carex nigra	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Erica tetralix	100.0	Calluna vulgaris	24.0
Molinia caerulea agg.	21.0	Sphagnum papillosum	7.0
Sphagnum compactum	5.0		

#### **F4.2 - Dry heath**

*Diagnostic species (phi coefficient \* 100)*

Calluna vulgaris	30.0	Erica cinerea	29.6
Ulex gallii	16.7	Genista anglica	16.7
Hypnum jutlandicum	15.2		

*Constant species (occurrence frequencies)*

Calluna vulgaris	79.0	Deschampsia flexuosa	37.0
Potentilla erecta	35.0	Erica cinerea	32.0
Vaccinium myrtillus	29.0	Dicranum scoparium	27.0
Pleurozium schreberi	24.0	Molinia caerulea agg.	23.0
Festuca ovina	21.0	Agrostis capillaris	21.0
Pteridium aquilinum	19.0	Hypnum cupressiforme	18.0
Danthonia decumbens	17.0	Hypnum jutlandicum	16.0
Nardus stricta	14.0	Genista pilosa	14.0
Carex pilulifera	14.0	Vaccinium vitis-idaea	13.0
Anthoxanthum odoratum	13.0	Galium saxatile	12.0
Pinus sylvestris	11.0	Lotus corniculatus	11.0
Erica tetralix	11.0	Hylocomium splendens	10.0
Genista anglica	10.0	Festuca rubra	10.0
Erica vagans	10.0	Cytisus scoparius	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Calluna vulgaris	61.0	Vaccinium myrtillus	13.0
Erica cinerea	10.0	Pleurozium schreberi	7.0
Ulex gallii	6.0	Hypnum jutlandicum	6.0

### F5.1 - Mediterranean maquis and arborescent matorral

#### *Diagnostic species (phi coefficient \* 100)*

Pistacia lentiscus	36.1	Erica arborea	35.3
Myrtus communis	31.3	Smilax aspera	31.2
Arbutus unedo	29.9	Cistus salvifolius	26.7
Asparagus acutifolius	25.7	Phillyrea latifolia	25.4
Juniperus oxycedrus	24.9	Rubia peregrina	24.6
Calicotome villosa	24.5	Cistus monspeliensis	24.1
Phillyrea angustifolia	24.0	Rhamnus alaternus	23.6
Lonicera implexa	22.1	Brachypodium retusum	22.1
Quercus ilex	19.7	Cistus incanus	18.4
Clematis flammula	18.2	Pulicaria odora	17.7
Arisarum vulgare	17.3	Juniperus phoenicea	17.2
Prasium majus	16.7	Calicotome spinosa	16.6
Daphne gnidium	16.0		

#### *Constant species (occurrence frequencies)*

Rubia peregrina	45.0	Pistacia lentiscus	45.0
Erica arborea	43.0	Smilax aspera	40.0
Asparagus acutifolius	36.0	Arbutus unedo	32.0
Juniperus oxycedrus	29.0	Quercus ilex	28.0
Phillyrea latifolia	28.0	Cistus salvifolius	28.0
Brachypodium retusum	28.0	Myrtus communis	26.0
Rhamnus alaternus	22.0	Rubus ulmifolius	21.0
Phillyrea angustifolia	21.0	Lonicera implexa	20.0
Cistus monspeliensis	19.0	Calicotome villosa	17.0
Clematis flammula	16.0	Daphne gnidium	14.0
Cistus incanus	14.0	Pteridium aquilinum	13.0
Juniperus phoenicea	13.0	Arisarum vulgare	12.0
Dactylis glomerata	11.0	Spartium junceum	10.0
Rosmarinus officinalis	10.0	Quercus pubescens	10.0
Pulicaria odora	10.0	Prasium majus	10.0
Hedera helix	10.0		

#### *Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Erica arborea	27.0	Juniperus oxycedrus	17.0
Myrtus communis	12.0	Arbutus unedo	12.0
Calicotome villosa	8.0	Pistacia lentiscus	6.0
Phillyrea latifolia	6.0	Brachypodium retusum	5.0

### F5.3 - Sub-Mediterranean pseudomaquis

#### *Diagnostic species (phi coefficient \* 100)*

Juniperus oxycedrus	49.9	Spartium junceum	39.2
Chamaecytisus spinescens	38.8	Paliurus spina-christi	38.5

Osyris alba	37.9	Cytisus sessilifolius	37.8
Buxus sempervirens	35.9	Pistacia terebinthus	35.5
Lonicera etrusca	34.2	Rhamnus alaternus	32.4
Asparagus acutifolius	32.2	Phillyrea latifolia	28.7
Rubia peregrina	25.1	Jasminum fruticans	24.6
Viola alba	24.2	Cephalaria leucantha	23.7
Galium flavescens	23.1	Saxifraga cuneata	23.0
Jasonia glutinosa	22.6	Clematis flammula	22.3
Stachys angustifolia	22.2	Chaenorhinum origanifolium	22.2
Rosmarinus officinalis	22.0	Rorippa thracica	22.0
Fraxinus ornus	21.5	Tordylium maximum	21.4
Fumana procumbens	21.2	Galium frutescens	21.1
Salvia lavandulifolia	21.0	Rhamnus saxatilis	20.5
Anemone hortensis	20.2	Teucrium chamaedrys	19.7
Asperula purpurea	19.5	Aristolochia pistolochia	19.5
Pyracantha coccinea	19.1	Olea europaea var. europaea	19.1
Bupleurum fruticosum	18.7	Viburnum tinus	18.5
Genista januensis	18.4	Asphodelus cerasiferus	17.9
Thymus vulgaris	17.7	Juniperus phoenicea	17.5
Amelanchier ovalis	17.3	Spiraea hypericifolia	17.0
Cistus incanus	16.7	Genista scorpius	16.6
Bupleurum frutescens	16.6	Quercus rotundifolia	16.4
Pistacia lentiscus	16.3	Rosa sempervirens	16.1
Stipa offneri	16.0	Potentilla pedata	15.8
Smilax aspera	15.4	Fumana ericoides	15.4
Arenaria grandiflora	15.2	Allium rotundum	15.2
Quercus pubescens	15.1	Helichrysum stoechas	15.1

*Constant species (occurrence frequencies)*

Juniperus oxycedrus	67.0	Teucrium chamaedrys	47.0
Rubia peregrina	47.0	Buxus sempervirens	47.0
Asparagus acutifolius	47.0	Spartium junceum	33.0
Rhamnus alaternus	33.0	Pistacia terebinthus	33.0
Phillyrea latifolia	33.0	Osyris alba	33.0
Lonicera etrusca	33.0	Fraxinus ornus	33.0
Cytisus sessilifolius	33.0	Viola alba	27.0
Quercus pubescens	27.0	Paliurus spina-christi	27.0
Brachypodium pinnatum	27.0	Thymus vulgaris	20.0
Smilax aspera	20.0	Rosmarinus officinalis	20.0
Quercus ilex	20.0	Pistacia lentiscus	20.0
Chamaecytisus spinescens	20.0	Hedera helix	20.0
Fumana procumbens	20.0	Clematis flammula	20.0
Amelanchier ovalis	20.0	Viburnum tinus	13.0
Tanacetum corymbosum	13.0	Ruscus aculeatus	13.0
Rubus ulmifolius	13.0	Rosa sempervirens	13.0
Rosa arvensis	13.0	Rhamnus saxatilis	13.0
Quercus rotundifolia	13.0	Pteridium aquilinum	13.0
Olea europaea var. europaea	13.0	Lonicera implexa	13.0
Koeleria vallesiana	13.0	Juniperus phoenicea	13.0
Juniperus communis subsp. communis	13.0	Jasminum fruticans	13.0
Hippocrepis emerus	13.0	Helichrysum stoechas	13.0



Helianthemum nummularium	13.0	Geranium sanguineum	13.0
Genista scorpius	13.0	Erica arborea	13.0
Crataegus monogyna	13.0	Cornus mas	13.0
Cistus incanus	13.0	Cephalaria leucantha	13.0
Carex humilis	13.0	Carex flacca	13.0
Brachypodium retusum	13.0	Asperula purpurea	13.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Juniperus oxycedrus	40.0	Buxus sempervirens	40.0
Cytisus sessilifolius	27.0	Pistacia lentiscus	20.0
Paliurus spina-christi	13.0	Juniperus phoenicea	13.0
Hedera helix	13.0	Spartium junceum	7.0
Rhamnus alaternus	7.0	Phillyrea latifolia	7.0
Cornus mas	7.0	Brachypodium retusum	7.0
Asparagus acutifolius	7.0		

**F5.4 - Spartium junceum scrub**

*Diagnostic species (phi coefficient \* 100)*

Spartium junceum	85.8	Rubus ulmifolius	43.8
Asparagus acutifolius	30.7	Clematis flammula	28.4
Rosa sempervirens	26.4	Dittrichia viscosa	22.6
Paliurus spina-christi	22.3	Rubia peregrina	22.1
Foeniculum vulgare	21.1	Clematis vitalba	20.7
Quercus pubescens	19.7	Pyrus amygdaliformis	19.4
Centaurea aspera	19.3	Psoralea bituminosa	18.9
Galactites elegans	18.3	Achillea ligustica	18.3
Carlina corymbosa	18.1	Fraxinus ornus	18.0
Arundo plinii	17.8	Asperula laevigata	17.4
Osyris alba	17.1	Brachypodium phoenicoides	15.1
Opopanax chironium	15.0		

*Constant species (occurrence frequencies)*

Spartium junceum	100.0	Rubus ulmifolius	74.0
Asparagus acutifolius	44.0	Rubia peregrina	41.0
Brachypodium pinnatum	39.0	Clematis vitalba	36.0
Quercus pubescens	34.0	Crataegus monogyna	34.0
Rosa canina agg.	28.0	Fraxinus ornus	28.0
Dactylis glomerata	26.0	Clematis flammula	26.0
Sanguisorba minor	25.0	Rosa sempervirens	23.0
Ulmus minor	21.0	Teucrium chamaedrys	21.0
Prunus spinosa	20.0	Cornus sanguinea	18.0
Hedera helix	16.0	Dittrichia viscosa	16.0
Bromus erectus	16.0	Hypericum perforatum	15.0
Hippocrepis emerus	15.0	Eryngium campestre	15.0
Carlina corymbosa	15.0	Brachypodium phoenicoides	15.0
Paliurus spina-christi	13.0	Osyris alba	13.0
Juniperus oxycedrus	13.0	Galium mollugo agg.	13.0
Rhamnus alaternus	11.0	Psoralea bituminosa	11.0
Pistacia terebinthus	11.0	Lonicera etrusca	11.0

Juniperus communis subsp.			
communis	11.0	Foeniculum vulgare	11.0
Erica arborea	11.0	Daucus carota	11.0
Carex flacca	11.0	Pyrus amygdaliformis	10.0
Pistacia lentiscus	10.0	Helichrysum italicum	10.0
Euonymus europaeus	10.0	Dactylis glomerata subsp. glomerata	10.0
Cistus monspeliensis	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Spartium junceum	100.0	Brachypodium pinnatum	10.0
------------------	-------	-----------------------	------

**F5.5 - Thermomediterranean scrub**

*Diagnostic species (phi coefficient \* 100)*

Pistacia lentiscus	61.2	Olea europaea var. sylvestris	54.3
Euphorbia dendroides	50.5	Prasium majus	43.6
Ceratonia siliqua	41.2	Arisarum vulgare	37.2
Asphodelus ramosus	34.8	Asparagus acutifolius	28.1
Chamaerops humilis	27.6	Thymbra capitata	27.5
Smilax aspera	26.7	Asparagus albus	26.4
Juniperus phoenicea	26.3	Brachypodium retusum	25.9
Urginea maritima	25.8	Calicotome villosa	25.2
Phagnalon graecum	23.3	Hyparrhenia hirta	22.8
Ruta chalepensis	22.3	Teucrium fruticans	21.9
Asparagus aphyllus	21.0	Senecio bicolor	20.6
Teucrium flavum	20.4	Piptatherum coerulescens	19.9
Rubia peregrina	19.1	Valantia hispida	18.8
Sarcopoterium spinosum	18.8	Corema album	18.8
Aetheorhiza bulbosa	18.7	Lagoecia cuminoides	18.4
Artemisia arborescens	18.4	Bromus intermedius	18.1
Charybdis pancratium	18.0	Hypochaeris achyrophorus	17.9
Ferula communis	17.9	Piptatherum miliaceum	17.7
Urospermum picroides	17.4	Olea europaea var. europaea	16.6
Galium murale	16.6	Periploca laevigata subsp. angustifolia	16.4
Phagnalon saxatile	16.3	Parietaria cretica	16.3
Melica minuta	16.0	Euphorbia acanthothamnus	16.0
Biscutella didyma	15.6	Clematis cirrhosa	15.3
Coronilla valentina	15.2	Tordylium apulum	15.1
Ampelodesmos mauritanica	15.1		

*Constant species (occurrence frequencies)*

Pistacia lentiscus	86.0	Olea europaea var. sylvestris	42.0
Asparagus acutifolius	40.0	Smilax aspera	35.0
Rubia peregrina	35.0	Euphorbia dendroides	35.0
Prasium majus	34.0	Brachypodium retusum	33.0
Arisarum vulgare	30.0	Asphodelus ramosus	29.0
Ceratonia siliqua	25.0	Juniperus phoenicea	21.0
Calicotome villosa	18.0	Urginea maritima	16.0
Thymbra capitata	16.0	Chamaerops humilis	15.0
Dactylis glomerata	15.0	Rhamnus alaternus	13.0
Rosmarinus officinalis	12.0	Hyparrhenia hirta	12.0

Teucrium fruticans	11.0	Teucrium flavum	11.0
Piptatherum miliaceum	11.0	Olea europaea var. europaea	11.0
Lonicera implexa	11.0	Cistus monspeliensis	11.0
Asparagus albus	11.0	Aetheorhiza bulbosa	11.0
Reichardia picroides	10.0	Hypochaeris achyrophorus	10.0
Helichrysum italicum	10.0	Dactylis glomerata subsp. hispanica	10.0
Asparagus aphyllus	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Pistacia lentiscus	64.0	Euphorbia dendroides	20.0
Olea europaea var. sylvestris	10.0	Ceratonía siliqua	6.0
Brachypodium retusum	6.0		

**F6.1a - Western basiphilous garrigue**

*Diagnostic species (phi coefficient \* 100)*

Genista hispanica	42.9	Genista scorpius	41.3
Thymus vulgaris	40.2	Lavandula latifolia	37.2
Aphyllanthes monspeliensis	34.5	Coronilla minima	34.0
Coris monspeliensis	32.4	Linum suffruticosum	31.1
Koeleria vallesiana	31.1	Erica vagans	29.0
Dorycnium pentaphyllum	28.6	Avenula bromoides	26.7
Argyrobium zanonii	25.8	Teucrium pyrenaicum	25.4
Staelina dubia	25.4	Rosmarinus officinalis	24.5
Helichrysum stoechas	24.5	Avenula mirandana	24.4
Fumana ericophylla	23.7	Helianthemum oelandicum	23.4
Thymelaea ruizii	21.7	Helictotrichon cantabricum	21.7
Leuzea conifera	20.4	Fumana thymifolia	19.9
Ononis minutissima	19.4	Lithodora fruticosa	19.4
Catananche caerulea	19.3	Fumana procumbens	19.2
Globularia bisnagarica	18.8	Atractylis humilis	18.8
Santolina chamaecyparissus	18.6	Bupleurum fruticosum	18.6
Fumana ericoides	18.3	Euphorbia flavicoma	18.2
Erica multiflora	18.2	Teucrium polium	18.0
Helianthemum apenninum	17.6	Brachypodium retusum	17.6
Onobrychis argentea	17.0	Linum narbonense	17.0
Ononis fruticosa	16.2	Carduncellus monspeliensis	16.1
Carex hallerana	15.8	Onobrychis reuteri	15.6
Helianthemum croceum	15.5	Inula montana	15.3

*Constant species (occurrence frequencies)*

Thymus vulgaris	48.0	Genista scorpius	37.0
Genista hispanica	36.0	Coronilla minima	35.0
Koeleria vallesiana	33.0	Aphyllanthes monspeliensis	32.0
Teucrium chamaedryd	28.0	Lavandula latifolia	28.0
Brachypodium pinnatum	28.0	Dorycnium pentaphyllum	27.0
Bromus erectus	26.0	Eryngium campestre	25.0
Linum suffruticosum	24.0	Helianthemum oelandicum	24.0
Erica vagans	24.0	Teucrium polium	22.0
Rosmarinus officinalis	22.0	Helichrysum stoechas	22.0
Brachypodium retusum	22.0	Sanguisorba minor	21.0

Coris monspeliensis	20.0	Avenula bromoides	20.0
Potentilla tabernaemontani	19.0	Hieracium pilosella	19.0
Carex humilis	19.0	Fumana procumbens	18.0
Hippocrepis comosa	17.0	Helianthemum nummularium	17.0
Carex hallerana	17.0	Asperula cynanchica	17.0
Argyrobium zanonii	17.0	Staehelina dubia	16.0
Lotus corniculatus	16.0	Teucrium pyrenaicum	15.0
Juniperus oxycedrus	15.0	Fumana ericophylla	15.0
Carex flacca	15.0	Buxus sempervirens	15.0
Scabiosa columbaria	14.0	Juniperus communis subsp. communis	14.0
Anthyllis vulneraria	14.0	Thymus praecox	13.0
Sedum sediforme	13.0	Rubia peregrina	13.0
Globularia bisnagarica	13.0	Seseli montanum	12.0
Ononis minutissima	12.0	Helianthemum apenninum	12.0
Dactylis glomerata	12.0	Catananche caerulea	12.0
Pinus halepensis	11.0	Leuzea conifera	11.0
Fumana thymifolia	11.0	Festuca rubra	11.0
Avenula mirandana	11.0	Astragalus monspessulanus	11.0
Quercus coccifera	10.0	Erica multiflora	10.0
Brachypodium phoenicoides	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Genista hispanica	29.0	Thymus vulgaris	14.0
Erica vagans	11.0	Rosmarinus officinalis	9.0
Genista scorpius	9.0	Erica multiflora	9.0

**F6.1b - Western acidophilous garrigue**

*Diagnostic species (phi coefficient \* 100)*

Lavandula stoechas	65.5	Cistus populifolius	45.4
Cistus ladanifer	44.9	Erica australis	43.7
Thymus mastichina	42.6	Cistus salvifolius	39.4
Cistus crispus	38.8	Cytisus striatus	36.6
Halimium ocymoides	32.7	Thymus zygis	32.6
Cytisus multiflorus	31.7	Tuberaria lignosa	30.6
Cistus psilosepalus	30.4	Chamaespartium tridentatum	30.1
Polygala microphylla	29.6	Halimium halimifolium	29.4
Phillyrea angustifolia	27.5	Daphne gnidium	27.4
Cistus monspeliensis	26.9	Lavandula pedunculata	26.3
Cytinus hypocistis	24.6	Erica arborea	23.6
Erica umbellata	22.6	Stipa gigantea	21.7
Genista hystrix	21.7	Tuberaria guttata	21.1
Euphorbia broteri	21.1	Arbutus unedo	21.1
Genista corsica	20.7	Santolina rosmarinifolia	20.0
Agrostis castellana	19.4	Origanum virens	19.3
Astragalus lusitanicus	19.3	Thapsia villosa	19.2
Tolpis barbata	19.1	Linum trigynum	18.9
Halimium lasianthum	18.5	Aira caryophyllea	18.5
Briza maxima	18.2	Silene paradoxa	18.1
Genista triacanthos	18.1	Andryala integrifolia	18.1
Cistus laurifolius	17.9	Dianthus loricifolius	17.5

Avenula bromoides	17.4	Agrostis trunctatula	17.3
Odontites tenuifolia	17.2	Genista tournefortii	17.2
Sedum forsterianum	16.8	Thapsia maxima	16.7
Calicotome spinosa	16.7	Hypericum linarifolium	16.6
Urginea maritima	16.4	Cladonia endiviifolia	16.2
Ulex parviflorus	16.1	Carlina corymbosa	16.0
Quercus rotundifolia	15.9	Crucianella angustifolia	15.9
Teucrium marum	15.8	Andryala ragusina	15.8
Vulpia bromoides	15.6	Helichrysum italicum	15.6
Micropyrum tenellum	15.4	Erica scoparia	15.2

*Constant species (occurrence frequencies)*

Lavandula stoechas	68.0	Cistus salvifolius	45.0
Erica arborea	29.0	Cistus ladanifer	29.0
Thymus mastichina	26.0	Phillyrea angustifolia	26.0
Erica australis	26.0	Daphne gnidium	26.0
Cistus populifolius	24.0	Cistus monspeliensis	23.0
Arbutus unedo	23.0	Calluna vulgaris	21.0
Cytisus striatus	19.0	Cistus crispus	18.0
Brachypodium retusum	18.0	Cytisus multiflorus	16.0
Asparagus acutifolius	16.0	Thymus zygis	15.0
Halimium ocymoides	15.0	Cytisus scoparius	15.0
Aira caryophyllea	15.0	Tuberaria lignosa	13.0
Tuberaria guttata	13.0	Rubia peregrina	13.0
Quercus rotundifolia	13.0	Pistacia lentiscus	13.0
Jasione montana	13.0	Chamaespartium tridentatum	13.0
Helichrysum italicum	13.0	Cistus psilosepalus	13.0
Carlina corymbosa	13.0	Briza maxima	13.0
Avenula bromoides	13.0	Agrostis castellana	13.0
Trifolium campestre	11.0	Trifolium arvense	11.0
Thymus vulgaris	11.0	Rosmarinus officinalis	11.0
Pteridium aquilinum	11.0	Lavandula pedunculata	11.0
Erica scoparia	11.0	Dorycnium pentaphyllum	11.0
Dactylis glomerata subsp. hispanica	11.0	Dactylis glomerata	11.0
Vulpia bromoides	10.0	Urginea maritima	10.0
Polygala microphylla	10.0	Linum trigynum	10.0
Juniperus oxycedrus	10.0	Hypochaeris radicata	10.0
Helichrysum stoechas	10.0	Halimium halimifolium	10.0
Eryngium campestre	10.0	Erica cinerea	10.0
Cytinus hypocistis	10.0	Corynephorus canescens	10.0
Calicotome spinosa	10.0	Asphodelus ramosus	10.0
Andryala integrifolia	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Lavandula stoechas	27.0	Cistus populifolius	21.0
Cistus crispus	15.0	Halimium halimifolium	10.0
Cistus ladanifer	8.0	Thymus mastichina	6.0

**F6.2 - Eastern garrigue**

*Diagnostic species (phi coefficient \* 100)*

Phlomis fruticosa	68.0	Erica manipuliflora	57.6
Micromeria juliana	53.6	Tordylium apulum	46.4
Salvia officinalis	38.5	Urginea maritima	37.5
Cistus incanus	35.5	Quercus coccifera	34.2
Convolvulus althaeoides	32.7	Thymbra capitata	31.8
Desmazeria rigida	30.7	Satureja thymbra	29.8
Genista acanthoclada	29.6	Asphodeline lutea	29.0
Briza maxima	28.4	Crepis rubra	27.3
Carlina corymbosa	27.2	Cynosurus echinatus	27.1
Fumana ericoides	26.7	Leontodon tuberosus	25.7
Brachypodium retusum	25.7	Asparagus acutifolius	25.7
Urospermum picroides	25.1	Paliurus spina-christi	24.9
Eryngium creticum	24.5	Trifolium stellatum	24.4
Asperula scutellaris	24.3	Genista sylvestris	24.2
Avena sterilis	24.1	Campanula ramosissima	23.7
Calicotome villosa	23.5	Stipa bromoides	23.0
Acanthus spinosus	23.0	Koeleria splendens	22.6
Hypericum empetrifolium	22.6	Allium rubrovittatum	22.4
Fumana thymifolia	22.3	Anthyllis hermanniae	22.1
Nigella damascena	21.9	Cistus salvifolius	21.9
Valantia hispida	21.8	Polypogon monspeliensis	21.7
Sideritis romana	21.4	Pistorinia hispanica	21.2
Hieracium heterogynum	21.1	Crepis zacintha	20.9
Hymenocarpus circinnatus	20.8	Phillyrea latifolia	20.7
Thesium bergeri	20.2	Consolida ajacis	20.2
Cistus parviflorus	20.1	Pyrus amygdaliformis	19.7
Lathyrus cicera	19.7	Euphorbia acanthothamnus	19.5
Asperula rigida	19.4	Anagallis foemina	19.3
Teucrium polium	19.1	Securigera securidaca	18.9
Muscari spreitzenhoferi	18.8	Aegilops geniculata	18.6
Teucrium microphyllum	18.4	Ceterach officinarum	18.4
Dasypyrum villosum	18.3	Trifolium scabrum	18.2
Muscari tenuiflorum	18.2	Genista sericea	18.2
Phagnalon graecum	18.1	Tordylium maximum	17.7
Crupina crupinastrum	17.6	Saponaria calabrica	17.5
Linum arboreum	17.5	Euphorbia spinosa	17.4
Euphorbia dimorphocaulon	17.4	Carex illegitima	17.4
Centaurea glaberrima	17.3	Arceuthobium oxycedri	17.3
Arbutus unedo	17.3	Galium murale	17.2
Bromus fasciculatus	17.2	Plantago bellardii	17.1
Helictotrichon agropyroides	17.1	Biscutella didyma	16.4
Andropogon distachyos	16.4	Centaurium erythraea	16.1
Onopordum illyricum	15.9	Bromus intermedius	15.9
Helictotrichon convolutum	15.6	Edraianthus tenuifolius	15.6
Tanacetum cinerariifolium	15.5	Pallenis spinosa	15.5
Scorpiurus muricatus	15.4	Sarcopoterium spinosum	15.4
Micromeria graeca	15.4	Lathyrus sphaericus	15.4
Juniperus oxycedrus	15.4	Iris unguicularis	15.4
Galium parisiense	15.4	Frangula rupestris	15.4
Filago aegaea	15.3		

*Constant species (occurrence frequencies)*

Phlomis fruticosa	57.0	Dactylis glomerata	45.0
Erica manipuliflora	40.0	Quercus coccifera	38.0
Micromeria juliana	37.0	Asparagus acutifolius	37.0
Brachypodium retusum	33.0	Cistus incanus	32.0
Tordylium apulum	28.0	Desmazeria rigida	28.0
Urginea maritima	27.0	Teucrium polium	23.0
Phillyrea latifolia	23.0	Cynosurus echinatus	23.0
Cistus salvifolius	23.0	Carlina corymbosa	23.0
Briza maxima	22.0	Thymbra capitata	20.0
Salvia officinalis	20.0	Convolvulus althaeoides	20.0
Trifolium campestre	18.0	Juniperus oxycedrus	18.0
Arbutus unedo	18.0	Teucrium chamaedrys	17.0
Pistacia lentiscus	17.0	Calicotome villosa	17.0
Trifolium stellatum	15.0	Trifolium scabrum	15.0
Poa bulbosa	15.0	Paliurus spina-christi	15.0
Melica ciliata	15.0	Centaurium erythraea	15.0
Anthyllis vulneraria	15.0	Anthoxanthum odoratum	15.0
Stipa bromoides	13.0	Sherardia arvensis	13.0
Leontodon tuberosus	13.0	Koeleria splendens	13.0
Genista acanthoclada	13.0	Fumana thymifolia	13.0
Fumana ericoides	13.0	Anagallis arvensis	13.0
Urospermum picroides	12.0	Satureja thymbra	12.0
Sanguisorba minor	12.0	Pistacia terebinthus	12.0
Dasyphyrum villosum	12.0	Ceterach officinarum	12.0
Avena sterilis	12.0	Asphodeline lutea	12.0
Spartium junceum	10.0	Pyrus amygdaliformis	10.0
Polypogon monspeliensis	10.0	Pinus halepensis	10.0
Lotus corniculatus	10.0	Linum strictum	10.0
Hypericum empetrifolium	10.0	Hippocrepis comosa	10.0
Geranium molle	10.0	Eryngium campestre	10.0
Avena fatua	10.0	Avena barbata	10.0
Asphodelus ramosus	10.0	Arenaria leptoclados	10.0
Anthyllis hermanniae	10.0	Aegilops geniculata	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Phlomis fruticosa	57.0	Erica manipuliflora	37.0
Urginea maritima	7.0	Cistus salvifolius	5.0
Cistus incanus	5.0	Brachypodium retusum	5.0

**F6.6 - Supramediterranean garrigue**

*Diagnostic species (phi coefficient \* 100)*

Genista cinerea	55.7	Lavandula angustifolia	52.4
Genista lobelii	49.4	Anthyllis montana	44.8
Helianthemum oelandicum	35.8	Linum suffruticosum	35.7
Thymus vulgaris	33.5	Thymus herba-barona	31.8
Carex hallerana	30.9	Carlina acanthifolia	30.7
Erysimum rhaeticum	29.0	Koeleria vallesiana	28.8
Laserpitium gallicum	28.3	Galium corrudifolium	27.9
Inula montana	27.5	Galium corsicum	27.0
Teucrium montanum	26.5	Thesium divaricatum	26.4

Coronilla minima	26.1	Aphyllanthes monspeliensis	25.7
Cerastium stenopetalum	25.6	Leuzea conifera	25.5
Satureja montana	25.2	Serratula nudicaulis	24.6
Achnatherum calamagrostis	23.2	Leucanthemum graminifolium	23.0
Iberis saxatilis	22.8	Anthyllis hermanniae	22.8
Valeriana tuberosa	22.7	Bellium bellidioides	22.2
Fumana procumbens	21.9	Ononis striata	21.8
Stachys corsica	21.7	Crocus corsicus	21.6
Sedum ochroleucum	21.5	Astragalus monspessulanus	21.0
Teucrium polium	20.5	Arenaria aggregata	20.5
Astragalus purpureus	20.2	Avenula bromoides	19.5
Santolina chamaecyparissus	19.4	Onobrychis supina	19.4
Erysimum jugicola	19.2	Crepis albida	19.2
Brimeura fastigiata	18.8	Hypochaeris robertia	18.5
Dianthus caryophyllus	18.2	Artemisia alba	18.0
Seseli montanum	17.8	Carex humilis	17.8
Carduncellus monspelliensium	17.8	Knautia purpurea	17.7
Globularia repens	17.6	Fumana ericophylla	17.5
Echinops ritro	17.4	Helianthemum pilosum	17.2
Carlina macrocephala	17.2	Centaurea paniculata	17.1
Thymus dolomiticus	16.9	Thymus serpyllum	16.8
Teucrium chamaedrys	16.6	Odontites lanceolata	16.6
Berberis aetnensis	16.5	Trinia glauca	16.4
Sagina pilifera	16.2	Helianthemum canum	16.2
Sesleria coerulans	15.7	Bupleurum ranunculoides	15.2

*Constant species (occurrence frequencies)*

Lavandula angustifolia	49.0	Genista cinerea	43.0
Thymus vulgaris	40.0	Teucrium chamaedrys	40.0
Helianthemum oelandicum	40.0	Teucrium montanum	36.0
Carex hallerana	34.0	Anthyllis montana	34.0
Koeleria vallesiana	31.0	Linum suffruticosum	29.0
Carex humilis	28.0	Coronilla minima	27.0
Bromus erectus	27.0	Hieracium pilosella	26.0
Genista lobelii	26.0	Teucrium polium	25.0
Sanguisorba minor	23.0	Galium corrudifolium	23.0
Aphyllanthes monspeliensis	23.0	Anthyllis vulneraria	23.0
Thymus serpyllum	22.0	Asperula cynanchica	22.0
Satureja montana	21.0	Fumana procumbens	21.0
Festuca rubra	21.0	Brachypodium pinnatum	21.0
Carlina acanthifolia	19.0	Seseli montanum	18.0
Inula montana	18.0	Potentilla tabernaemontani	17.0
Juniperus communis subsp. communis	17.0	Hippocrepis comosa	17.0
Thesium divaricatum	16.0	Sesleria coerulans	16.0
Scabiosa columbaria	16.0	Lotus corniculatus	16.0
Leuzea conifera	16.0	Erysimum rhaeticum	16.0
Cerastium arvense	16.0	Astragalus monspessulanus	16.0
Amelanchier ovalis	16.0	Quercus pubescens	15.0
Pinus sylvestris	15.0	Laserpitium gallicum	15.0
Festuca ovina	15.0	Buxus sempervirens	15.0
Avenula bromoides	15.0	Sedum ochroleucum	14.0



Eryngium campestre	14.0	Vincetoxicum hirundinaria	13.0
Echinops ritro	13.0	Carlina vulgaris	13.0
Achnatherum calamagrostis	13.0	Thymus herba-barona	12.0
Genista pilosa	12.0	Trinia glauca	11.0
Ononis striata	11.0	Helianthemum nummularium	11.0
Helianthemum canum	11.0	Fumana ericophylla	11.0
Stachys recta	10.0	Prunus mahaleb	10.0
Petrorhagia saxifraga	10.0	Hieracium murorum	10.0
Globularia cordifolia	10.0	Euphorbia cyparissias	10.0
Dactylis glomerata	10.0	Artemisia alba	10.0
Anthyllis hermanniae	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Genista cinerea	41.0	Anthyllis montana	26.0
Genista lobelii	25.0	Lavandula angustifolia	6.0

**F6.7 - Mediterranean gypsum scrub**

*Diagnostic species (phi coefficient \* 100)*

Herniaria fruticosa	88.4	Helianthemum syriacum	88.2
Ononis tridentata	81.3	Helianthemum squamatum	81.2
Launaea pumila	64.0	Atractylis humilis	61.2
Fumana ericoides	60.6	Plantago albicans	57.2
Thymus vulgaris	56.9	Helichrysum stoechas	53.7
Genista scorpius	53.5	Koeleria vallesiana	51.8
Rosmarinus officinalis	50.7	Brachypodium retusum	50.2
Santolina chamaecyparissus	50.0	Lepidium subulatum	49.7
Stipa parviflora	48.2	Lygeum spartum	47.4
Coris monspeliensis	45.5	Linum suffruticosum	42.9
Artemisia herba-alba	42.4	Teucrium polium	41.3
Gypsophila struthium subsp. hispanica	40.2	Bromus rubens	37.3
Matthiola fruticulosa	37.1	Fumana hispidula	35.1
Reseda stricta	34.9	Thymus loscosii	34.6
Odontites longiflora	33.9	Fumana thymifolia	31.7
Sedum sediforme	31.0	Helianthemum cinereum	30.3
Boleum asperum	28.7	Limonium viciosoi	27.7
Mercurialis tomentosa	27.5	Cistus clusii	26.6
Sideritis scordioides	26.3	Stipa offneri	26.1
Helianthemum violaceum	25.4	Euphorbia serrata	24.9
Astragalus incanus	24.5	Launaea resedifolia	24.2
Lithodora fruticosa	22.0	Dipcadi serotinum	21.6
Senecio auricula	20.1	Helianthemum oelandicum	20.0
Teucrium aragonense	19.6	Schismus barbatus	19.5
Crucianella patula	19.4	Asterolinon linum-stellatum	19.1
Helianthemum asperum	19.0	Bombycilaena discolor	18.4
Ephedra major	17.6	Dianthus furcatus	17.5
Thymelaea tinctoria	17.4	Centaurea linifolia	17.2
Euphorbia minuta	17.1	Eruca vesicaria	16.9
Salsola vermiculata	16.8	Echinops ritro	16.8
Avenula bromoides	16.8	Arrhenatherum album	16.4

Centaurea melitensis	15.7	Salvia lavandulifolia	15.1
<i>Constant species (occurrence frequencies)</i>			
Herniaria fruticosa	79.0	Helianthemum syriacum	79.0
Thymus vulgaris	75.0	Brachypodium retusum	71.0
Ononis tridentata	67.0	Helianthemum squamatum	67.0
Koeleria vallesiana	62.0	Helichrysum stoechas	58.0
Teucrium polium	54.0	Rosmarinus officinalis	54.0
Genista scorpius	54.0	Fumana ericoides	46.0
Launaea pumila	42.0	Atractylis humilis	42.0
Plantago albicans	38.0	Linum suffruticosum	38.0
Santolina chamaecyparissus	33.0	Coris monspeliensis	33.0
Sedum sediforme	29.0	Stipa parviflora	25.0
Lygeum spartum	25.0	Lepidium subulatum	25.0
Helianthemum oelandicum	21.0	Fumana thymifolia	21.0
Eryngium campestre	21.0	Bromus rubens	21.0
Artemisia herba-alba	21.0	Matthiola fruticulosa	17.0
Gypsophila struthium subsp. hispanica	17.0	Thymus loscosii	12.0
Stipa offneri	12.0	Reseda stricta	12.0
Odontites longiflora	12.0	Helianthemum cinereum	12.0
Fumana hispidula	12.0	Euphorbia serrata	12.0
Echinops ritro	12.0	Avenula bromoides	12.0
Asterolinon linum-stellatum	12.0		
<i>Dominant species (percentage frequencies of occurrences with cover &gt; 25 %)</i>			
Rosmarinus officinalis	33.0	Brachypodium retusum	12.0

#### **F6.8a - Mediterranean halo-nitrophilous scrub**

##### *Diagnostic species (phi coefficient \* 100)*

Atriplex halimus	58.2	Artemisia arborescens	46.7
Artemisia herba-alba	46.2	Salsola vermiculata	44.3
Santolina chamaecyparissus	33.9	Bromus rubens	32.5
Piptatherum miliaceum	32.3	Suaeda braun-blauquetii	30.0
Ptilostemon casabonae	25.2	Herniaria cinerea	25.1
Foeniculum vulgare	24.9	Suaeda vera	24.8
Dittrichia viscosa	24.8	Anacyclus clavatus	24.8
Asphodelus fistulosus	24.0	Sonchus tenerrimus	23.3
Plantago lagopus	23.3	Lygeum spartum	22.6
Anagyris foetida	22.6	Centaurea melitensis	22.5
Euphorbia pithyusa	22.3	Camphorosma monspeliaca	21.7
Santolina rosmarinifolia	21.3	Opuntia ficus-indica	21.3
Malva parviflora	21.1	Malva arborea	20.4
Sisymbrium irio	20.3	Hordeum murinum	19.9
Lycium schweinfurthii	19.8	Bupleurum semicompositum	19.8
Dactylis glomerata subsp. hispanica	19.5	Lophochloa cristata	19.4
Galactites elegans	19.4	Ruta graveolens	19.3
Dipsacus ferox	19.3	Salsola oppositifolia	19.1
Diploaxis virgata	19.0	Carduus tenuiflorus	18.6
Marrubium vulgare	17.9	Scrophularia canina	17.6

Carlina corymbosa	17.4	Eruca vesicaria	17.1
Plantago albicans	16.8	Filago pyramidata	16.8
Marrubium alysson	16.6	Scorzonera laciniata	16.1
Moricandia arvensis	16.0	Arisarum vulgare	15.9
Papaver hybridum	15.4	Helichrysum italicum	15.3

*Constant species (occurrence frequencies)*

Atriplex halimus	37.0	Daucus carota	27.0
Artemisia herba-alba	24.0	Artemisia arborescens	24.0
Piptatherum miliaceum	23.0	Salsola vermiculata	21.0
Asparagus acutifolius	20.0	Santolina chamaecyparissus	18.0
Dittrichia viscosa	18.0	Eryngium campestre	17.0
Bromus rubens	17.0	Hordeum murinum	15.0
Dactylis glomerata subsp. hispanica	15.0	Pistacia lentiscus	14.0
Foeniculum vulgare	14.0	Carlina corymbosa	14.0
Sonchus oleraceus	13.0	Helichrysum italicum	13.0
Suaeda braun-blanquetii	11.0	Plantago lagopus	11.0
Camphorosma monspeliaca	11.0	Arisarum vulgare	11.0
Sonchus tenerrimus	10.0	Plantago lanceolata	10.0
Filago pyramidata	10.0	Desmazeria rigida	10.0
Anacyclus clavatus	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Atriplex halimus	25.0	Artemisia arborescens	20.0
Santolina chamaecyparissus	18.0	Salsola vermiculata	11.0
Artemisia herba-alba	7.0	Santolina rosmarinifolia	6.0

**F6.8b - Caspian Sea halo-nitrophilous scrub**

*Diagnostic species (phi coefficient \* 100)*

Artemisia lerchiana	74.3	Trigonella orthoceras	55.4
Artemisia tschernieviana	49.8	Alyssum linifolium	48.3
Alyssum turkestanicum	47.0	Ceratocarpus arenarius	46.6
Alhagi pseudalhagi	46.6	Eremopyrum orientale	45.3
Eremopyrum triticeum	40.3	Leymus ramosus	36.8
Neotorularia contortuplicata	35.4	Ceratocephala testiculata	34.0
Centaurea arenaria	32.5	Senecio noeanus	29.6
Salsola kali subsp. tragus	29.1	Xanthoparmelia ryssolea	28.5
Bromus tectorum	27.7	Bromus squarrosus	27.2
Holosteum umbellatum	26.8	Xanthoria parietina	26.2
Leymus racemosus	25.8	Anabasis aphylla	25.0
Carduus uncinatus	24.9	Xanthoria polycarpa	24.0
Astragalus dolichophyllus	23.7	Rinodina exigua	23.3
Lappula semiglabra	23.1	Matricaria parviflora	22.7
Erodium hoefftianum	22.7	Festuca beckeri	22.6
Tragopogon dubius	22.3	Agropyron fragile	22.3
Artemisia taurica	21.8	Ranunculus oxyspermus	21.6
Cachrys odontalgica	21.6	Filago arvensis	20.7
Bassia prostrata	20.7	Agropyron desertorum	20.5
Tulipa sylvestris	20.2	Ferula caspica	20.0
Descurainia sophia	19.9	Bassia sedoides	19.7

Poa bulbosa	19.5	Buglossoides arvensis	19.5
Androsace maxima	19.4	Artemisia scoparia	17.9
Camphorosma monspeliaca	17.7	Atriplex aucheri	17.3
Ephedra distachya	17.2	Medicago kotovii	17.0
Tribulus terrestris	16.7	Seiophora lacunosa	16.6
Salsola pontica	16.4	Carduus pycnocephallus	16.2
Iris scariosa	16.1	Helichrysum graveolens	16.1
Trisetum loeflingianum	16.0	Senecio vernalis	16.0
Fumaria schleicheri	15.6	Carex ligerica	15.6
Crambe maritima	15.4	Hordeum brevisubulatum	15.3
Tragopogon ruber	15.1	Carex diluta	15.1

*Constant species (occurrence frequencies)*

Artemisia lerchiana	68.0	Alyssum turkestanicum	41.0
Trigonella orthoceras	35.0	Poa bulbosa	29.0
Eremopyrum triticeum	29.0	Eremopyrum orientale	29.0
Ceratocarpus arenarius	29.0	Artemisia tschernieviana	29.0
Alyssum linifolium	29.0	Alhagi pseudalhagi	29.0
Bromus tectorum	26.0	Bromus squarrosus	26.0
Leymus ramosus	18.0	Holosteum umbellatum	18.0
Centaurea arenaria	18.0	Tragopogon dubius	15.0
Salsola kali subsp. tragus	15.0	Neotorularia contortuplicata	15.0
Leymus racemosus	15.0	Filago arvensis	15.0
Descurainia sophia	15.0	Ceratocephala testiculata	15.0
Senecio noeanus	12.0	Festuca valesiaca	12.0
Eryngium maritimum	12.0	Carduus uncinatus	12.0
Buglossoides arvensis	12.0	Bassia prostrata	12.0
Artemisia austriaca	12.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Artemisia lerchiana	32.0	Artemisia tschernieviana	21.0
---------------------	------	--------------------------	------

**F7.1 - Western Mediterranean spiny heath**

*Diagnostic species (phi coefficient \* 100)*

Genista corsica	74.1	Helichrysum italicum	60.5
Astragalus massiliensis	54.7	Cistus monspeliensis	44.8
Stachys glutinosa	41.0	Teucrium marum	39.5
Rosmarinus officinalis	38.6	Euphorbia pithyusa	38.3
Reichardia picroides	37.7	Carlina corymbosa	37.7
Genista sardoa	33.8	Pallenis maritima	31.4
Cistus salvifolius	31.2	Lagurus ovatus	29.9
Armeria pungens	27.7	Pistacia lentiscus	27.5
Brachypodium retusum	26.6	Calicotome villosa	26.4
Anchusa crispa	26.3	Silene sedoides	25.4
Lotus cytisoides	25.1	Rumex bucephalophorus	25.0
Senecio bicolor	24.9	Lavandula stoechas	24.6
Thymelaea tartonraira	24.4	Juniperus phoenicea	24.2
Ptilostemon casabonae	23.6	Dactylis glomerata subsp. hispanica	23.6
Hirschfeldia incana	22.0	Camphorosma monspeliaca	22.0
Lobularia maritima	21.7	Asparagus acutifolius	21.7

Ephedra distachya	21.5	Phillyrea angustifolia	21.1
Plantago subulata	20.9	Senecio leucanthemifolius	20.5
Asphodelus ramosus	20.2	Asparagus albus	19.5
Teucrium polium	18.9	Centranthus calcitrapae	18.9
Centaurea horrida	18.9	Aetheorhiza bulbosa	18.9
Lotus drepanocarpus	18.8	Limonium acutifolium	18.7
Parapholis incurva	18.4	Valantia muralis	18.2
Lathyrus articulatus	17.8	Matthiola sinuata	16.9
Medicago praecox	16.8	Chamaerops humilis	16.2
Desmazeria marina	16.0	Plantago coronopus	15.8
Umbilicus horizontalis	15.7	Linaria arvensis	15.5
Convolvulus althaeoides	15.1		

*Constant species (occurrence frequencies)*

Helichrysum italicum	65.0	Genista corsica	58.0
Cistus monspeliensis	42.0	Rosmarinus officinalis	38.0
Reichardia picroides	35.0	Pistacia lentiscus	35.0
Cistus salvifolius	35.0	Carlina corymbosa	35.0
Brachypodium retusum	35.0	Astragalus massiliensis	31.0
Asparagus acutifolius	31.0	Rubia peregrina	27.0
Daucus carota	27.0	Teucrium polium	23.0
Lagurus ovatus	23.0	Dactylis glomerata	23.0
Teucrium marum	19.0	Stachys glutinosa	19.0
Phillyrea angustifolia	19.0	Lavandula stoechas	19.0
Juniperus phoenicea	19.0	Euphorbia pithyusa	19.0
Dactylis glomerata subsp. hispanica	19.0	Calicotome villosa	19.0
Rumex bucephalophorus	15.0	Plantago coronopus	15.0
Lotus cytisoides	15.0	Erica arborea	15.0
Asphodelus ramosus	15.0	Senecio bicolor	12.0
Plantago subulata	12.0	Pallenis maritima	12.0
Lobularia maritima	12.0	Helichrysum stoechas	12.0
Genista sardoa	12.0	Ephedra distachya	12.0
Cistus incanus	12.0	Camphorosma monspeliaca	12.0
Armeria pungens	12.0	Aetheorhiza bulbosa	12.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Genista corsica	58.0	Astragalus massiliensis	31.0
Genista sardoa	12.0	Armeria pungens	12.0
Rosmarinus officinalis	8.0		

**F7.3 - Eastern Mediterranean spiny heath (phrygana)**

*Diagnostic species (phi coefficient \* 100)*

Thymbra capitata	72.5	Sarcopoterium spinosum	66.2
Genista acanthoclada	54.1	Leontodon tuberosus	46.6
Hypochaeris achyrophorus	39.9	Phagnalon graecum	36.2
Satureja thymbra	35.4	Valantia hispida	35.0
Crepis cretica	34.8	Carlina corymbosa	34.4
Paronychia macrosepala	33.3	Bromus intermedius	32.6
Euphorbia acanthothamnus	32.4	Centaurea raphanina	31.5
Allium rubrovittatum	31.3	Phagnalon rupestre	30.8

<i>Urginea maritima</i>	30.7	<i>Medicago coronata</i>	30.5
<i>Phlomis fruticosa</i>	30.2	<i>Filago aegaea</i>	30.2
<i>Lagoecia cuminoides</i>	30.0	<i>Galium murale</i>	30.0
<i>Bromus fasciculatus</i>	30.0	<i>Asperula rigida</i>	29.9
<i>Gastridium phleoides</i>	29.7	<i>Rostraria cristata</i>	29.4
<i>Daucus involucratus</i>	29.1	<i>Teucrium microphyllum</i>	29.0
<i>Hyparrhenia hirta</i>	29.0	<i>Crucianella latifolia</i>	29.0
<i>Asphodelus ramosus</i>	28.7	<i>Convolvulus althaeoides</i>	28.6
<i>Fumana arabica</i>	27.8	<i>Linum strictum</i>	27.6
<i>Ononis reclinata</i>	26.8	<i>Calicotome villosa</i>	26.5
<i>Polygala venulosa</i>	26.2	<i>Bupleurum gracile</i>	25.9
<i>Sideritis curvidens</i>	25.8	<i>Lagurus ovatus</i>	25.8
<i>Brachypodium retusum</i>	25.7	<i>Erica manipuliflora</i>	25.6
<i>Urospermum picroides</i>	25.0	<i>Biscutella didyma</i>	24.8
<i>Aegilops dichasians</i>	24.4	<i>Scorpiurus muricatus</i>	23.9
<i>Lotus edulis</i>	23.8	<i>Centaurea idaea</i>	23.6
<i>Thesium bergeri</i>	23.5	<i>Trifolium stellatum</i>	23.3
<i>Scaligeria napiformis</i>	23.1	<i>Centaureum tenuiflorum</i>	22.6
<i>Anthyllis hermanniae</i>	22.5	<i>Pyrus amygdaliformis</i>	22.1
<i>Muscari spreitzenhoferi</i>	22.1	<i>Micromeria nervosa</i>	22.1
<i>Desmazeria rigida</i>	21.9	<i>Ranunculus paludosus</i>	21.6
<i>Fumana thymifolia</i>	21.6	<i>Lotus ornithopodioides</i>	21.4
<i>Helictotrichon convolutum</i>	21.4	<i>Cichorium spinosum</i>	21.2
<i>Trifolium infamia-ponertii</i>	21.1	<i>Arisarum vulgare</i>	21.0
<i>Teucrium alpestre</i>	20.9	<i>Hypericum empetrifolium</i>	20.8
<i>Hyoseris scabra</i>	20.8	<i>Valantia muralis</i>	20.7
<i>Aira elegantissima</i>	20.5	<i>Micromeria juliana</i>	20.3
<i>Hymenocarpos circinnatus</i>	20.3	<i>Plantago afra</i>	20.2
<i>Iris unguicularis</i>	20.2	<i>Festuca jeanpertii</i>	19.9
<i>Prasium majus</i>	19.7	<i>Mandragora autumnalis</i>	19.7
<i>Galium setaceum</i>	19.6	<i>Trigonella spinosa</i>	19.4
<i>Filago eriocephala</i>	19.4	<i>Centaurea spinosa</i>	19.3
<i>Asphodeline lutea</i>	19.3	<i>Thymelaea hirsuta</i>	18.8
<i>Trifolium scabrum</i>	18.6	<i>Tordylium apulum</i>	18.6
<i>Teucrium fruticans</i>	18.6	<i>Gagea graeca</i>	18.6
<i>Echium humile</i>	18.6	<i>Micromeria graeca</i>	18.4
<i>Convolvulus oleifolius</i>	18.4	<i>Asparagus aphyllus</i>	18.4
<i>Trigonella monspeliaca</i>	18.3	<i>Plantago bellardii</i>	18.3
<i>Olea europaea var. sylvestris</i>	18.3	<i>Euphorbia peplus</i>	18.3
<i>Crepis tybakiensis</i>	18.3	<i>Cardopatum corymbosum</i>	18.2
<i>Verbascum spinosum</i>	18.0	<i>Salvia triloba</i>	18.0
<i>Asterolinon linum-stellatum</i>	17.9	<i>Linum trigynum</i>	17.8
<i>Lamyropsis cynaroides</i>	17.8	<i>Cuscuta palaestina</i>	17.8
<i>Trifolium tomentosum</i>	17.7	<i>Cistus incanus</i>	17.6
<i>Avena barbata</i>	17.5	<i>Petrorhagia dubia</i>	17.4
<i>Lotus halophilus</i>	17.4	<i>Helianthemum stipulatum</i>	17.2
<i>Aegilops biuncialis</i>	17.2	<i>Tremastelma palaestinum</i>	17.1
<i>Quercus coccifera</i>	17.1	<i>Cistus parviflorus</i>	17.1
<i>Ballota acetabulosa</i>	17.0	<i>Vicia cretica</i>	16.9
<i>Prospero autumnale</i>	16.7	<i>Briza maxima</i>	16.5
<i>Scandix australis</i>	16.3	<i>Gynandrisis sisyinchium</i>	16.2

Carlina lanata	16.1	Avellinia michelii	16.1
Trifolium uniflorum	16.0	Lotus cytisoides	16.0
Reichardia picroides	15.9	Nigella stricta	15.9
Teucrium polium	15.8	Hedypnois cretica	15.8
Cerastium scaposum	15.4	Tragopogon porrifolius	15.3
Hippocrepis unisiliquosa	15.2	Aetheorhiza bulbosa	15.2
Psilurus incurvus	15.1	Pallenis spinosa	15.1
Biarum davisii	15.1	Dianthus crinitus	15.0

*Constant species (occurrence frequencies)*

Thymbra capitata	67.0	Sarcopoterium spinosum	53.0
Genista acanthoclada	35.0	Brachypodium retusum	33.0
Leontodon tuberosus	31.0	Carlina corymbosa	31.0
Hypochaeris achyrophorus	27.0	Asphodelus ramosus	23.0
Linum strictum	22.0	Dactylis glomerata	22.0
Urginea maritima	21.0	Asparagus acutifolius	21.0
Teucrium polium	19.0	Lagurus ovatus	19.0
Desmazeria rigida	19.0	Calicotome villosa	19.0
Trifolium campestre	18.0	Quercus coccifera	18.0
Pistacia lentiscus	18.0	Phagnalon graecum	18.0
Anagallis arvensis	18.0	Valantia hispida	17.0
Phlomis fruticosa	17.0	Hyparrhenia hirta	17.0
Convolvulus althaeoides	17.0	Trifolium scabrum	15.0
Satureja thymbra	15.0	Poa bulbosa	15.0
Arisarum vulgare	15.0	Trifolium stellatum	14.0
Galium murale	14.0	Euphorbia acanthothamnos	14.0
Crepis cretica	14.0	Cistus incanus	14.0
Centaurea raphanina	14.0	Bromus intermedius	14.0
Rostraria cristata	13.0	Reichardia picroides	13.0
Prasium majus	13.0	Paronychia macrosepala	13.0
Lagoecia cuminoides	13.0	Fumana thymifolia	13.0
Crucianella latifolia	13.0	Avena barbata	13.0
Aira elegantissima	13.0	Urospermum picroides	12.0
Sherardia arvensis	12.0	Scorpiurus muricatus	12.0
Pyrus amygdaliformis	12.0	Phagnalon rupestre	12.0
Ononis reclinata	12.0	Medicago coronata	12.0
Helichrysum stoechas	12.0	Erica manipuliflora	12.0
Bromus fasciculatus	12.0	Briza maxima	12.0
Asterolinon linum-stellatum	12.0	Allium rubrovittatum	12.0
Teucrium microphyllum	10.0	Olea europaea var. sylvestris	10.0
Micromeria graeca	10.0	Gastridium phleoides	10.0
Fumana arabica	10.0	Filago aegaea	10.0
Daucus involucratus	10.0	Asperula rigida	10.0
Anthyllis hermanniae	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Thymbra capitata	40.0	Sarcopoterium spinosum	27.0
Genista acanthoclada	24.0	Euphorbia acanthothamnos	6.0

**F7.4a - Western Mediterranean mountain hedgehog-heath**

*Diagnostic species (phi coefficient \* 100)*

Cytisus balansae	90.6	Genista cinerascens	44.8
Senecio adonidifolius	31.2	Festuca summilusitana	29.7
Arenaria querooides	27.6	Carduus carpetanus	27.2
Luzula lactea	25.3	Echinopartum lusitanicum	23.7
Orobanche rapum-genistae	23.4	Festuca eskia	23.3
Echinopartum ibericum	23.3	Festuca elegans	23.0
Jasione crispa	22.6	Ornithogalum concinnum	22.1
Linaria repens	21.4	Koeleria crassipes	20.0
Anarrhinum bellidifolium	19.9	Stipa gigantea	18.8
Santolina rosmarinifolia	18.8	Avenula marginata	17.9
Agrostis delicatula	17.8	Agrostis castellana	17.8
Thymus zygis	17.5	Lactuca viminea	17.5
Genista florida	16.9	Deschampsia flexuosa	15.8
Gentiana lutea	15.7	Linaria nivea	15.6
Veronica fruticulosa	15.5	Plantago subulata	15.5
Leucanthemopsis pulverulenta	15.3	Molopospermum peloponnesiacum	15.2
Leucanthemopsis pallida	15.1		

*Constant species (occurrence frequencies)*

Cytisus balansae	92.0	Deschampsia flexuosa	49.0
Calluna vulgaris	35.0	Genista cinerascens	23.0
Teucrium scorodonia	22.0	Cytisus scoparius	20.0
Agrostis capillaris	20.0	Rumex acetosella	18.0
Rubus idaeus	18.0	Pteridium aquilinum	17.0
Jasione montana	16.0	Senecio adonidifolius	15.0
Juniperus communis subsp. communis	15.0	Arrhenatherum elatius	15.0
Vaccinium myrtillus	14.0	Thymus praecox	14.0
Gentiana lutea	13.0	Thymus pulegioides	12.0
Linaria repens	12.0	Juniperus communis subsp. alpina	12.0
Jasione crispa	12.0	Genista pilosa	12.0
Festuca eskia	12.0	Conopodium majus	12.0
Achillea millefolium	12.0	Agrostis castellana	12.0
Galium verum	11.0	Festuca rubra	11.0
Festuca ovina	11.0	Anthoxanthum odoratum	11.0
Veronica officinalis	10.0	Solidago virgaurea	10.0
Festuca summilusitana	10.0	Epilobium angustifolium	10.0
Crataegus monogyna	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Cytisus balansae	91.0	Echinopartum ibericum	6.0
------------------	------	-----------------------	-----

**F7.4b - Central Mediterranean mountain hedgehog-heath**

*Diagnostic species (phi coefficient \* 100)*

Chamaecytisus spinescens	69.3	Armeria brutia	54.9
Centaurea sarfattiana	54.8	Astragalus calabrus	54.8
Festuca circummediterranea	51.0	Anthemis cretica	49.7
Thymus longicaulis	49.3	Sesleria tenuifolia	48.8
Phleum ambiguum	47.8	Genista michelii	47.7



Genista desoleana	47.7	Hypericum calabricum	47.2
Bromopsis caprina	47.1	Festuca curvula	46.0
Koeleria lobata	45.4	Erysimum pseudorhaeticum	43.3
Avenula praetutiana	43.3	Globularia meridionalis	42.3
Plantago maritima subsp. serpentina	40.8	Viola corsica	38.3
Herniaria glabra subsp. nebrodensis	37.7	Alyssoides utriculata	37.7
Tolpis virgata	35.5	Centaurea rupestris	35.5
Bunium alpinum	34.8	Koeleria splendens	34.6
Dianthus sylvestris	34.3	Petrorhagia saxifraga	34.1
Eryngium amethystinum	33.3	Valeriana tuberosa	31.6
Sedum amplexicaule	31.0	Globularia bisnagarica	30.4
Galium lucidum	30.2	Helianthemum oelandicum	28.5
Teucrium montanum	28.0	Knautia purpurea	27.9
Poa perligularis	27.6	Satureja montana	27.5
Festuca gamisansii subsp. aethaliae	27.5	Festuca centro-apenninica	27.5
Orchis spitzelii	27.4	Silene italica	27.1
Sempervivum tectorum	26.9	Orchis italica	26.9
Colchicum alpinum	26.8	Anthyllis montana atropurpurea	26.8
Alyssum diffusum	26.7	Silene tyrrhenia	26.6
Cephalaria leucantha	26.5	Ranunculus monspeliacus	26.4
Helichrysum italicum	26.3	Erysimum majellense	26.2
Anthemis triumfetti	25.9	Allium pallens subsp. tenuiflorum	25.9
Pedicularis elegans	25.8	Carlina nebrodensis	25.6
Helianthemum nummularium	25.5	Myosotis ambigens	24.9
Ligusticum lucidum	24.9	Artemisia alba	24.9
Thesium humifusum	24.3	Alyssum montanum	24.3
Silene paradoxa	24.2	Festuca inops	24.2
Armeria majellensis	24.2	Potentilla detommasii	23.9
Trinia dalechampii	23.8	Muscari neglectum	23.1
Sesleria nitida	22.8	Centaurea ambigua	22.7
Serratula nudicaulis	22.5	Anthyllis vulneraria	22.5
Onobrychis alba	22.3	Poa molinerii	22.1
Asperula purpurea	22.0	Allium guttatum	21.9
Ranunculus gramineus	21.1	Brachypodium genuense	20.9
Bromus erectus	20.7	Galactites elegans	20.6
Paronychia kapela	20.5	Thlaspi praecox	20.1
Cerastium tomentosum	19.8	Osyris alba	19.7
Althaea hirsuta	19.5	Carlina corymbosa	18.8
Reichardia picroides	18.7	Crepis leontodontoides	18.7
Brachypodium retusum	18.1	Xeranthemum cylindraceum	17.4
Fumana ericoides	17.3	Fumana procumbens	16.6
Alyssum simplex	16.6	Bunium bulbocastanum	16.4
Sedum rupestre	16.3	Sedum hispanicum	15.7
Silene conica	15.6	Scabiosa argentea	15.4
Seseli montanum	15.2	Teucrium flavum	15.1
Polygala major	15.0		
<i>Constant species (occurrence frequencies)</i>			
Chamaecytisus spinescens	54.0	Helianthemum nummularium	54.0
Thymus longicaulis	46.0	Bromus erectus	46.0
Anthyllis vulneraria	46.0	Teucrium montanum	38.0

Festuca circummediterranea	38.0	Teucrium chamaedrys	31.0
Sesleria tenuifolia	31.0	Plantago maritima subsp. serpentina	31.0
Phleum ambiguum	31.0	Petrorrhagia saxifraga	31.0
Koeleria lobata	31.0	Helianthemum oelandicum	31.0
Galium lucidum	31.0	Dianthus sylvestris	31.0
Centaurea sarfattiana	31.0	Astragalus calabrus	31.0
Armeria brutia	31.0	Anthemis cretica	31.0
Silene italica	23.0	Satureja montana	23.0
Koeleria splendens	23.0	Hypericum calabricum	23.0
Helichrysum italicum	23.0	Globularia meridionalis	23.0
Globularia bisnagarica	23.0	Genista michelii	23.0
Genista desoleana	23.0	Festuca curvula	23.0
Erysimum pseudorhaeticum	23.0	Eryngium amethystinum	23.0
Bromopsis caprina	23.0	Brachypodium retusum	23.0
Brachypodium pinnatum	23.0	Avenula praetutiana	23.0
Anthoxanthum odoratum	23.0	Viola corsica	15.0
Valeriana tuberosa	15.0	Tolpis virgata	15.0
Thesium humifusum	15.0	Silene vulgaris	15.0
Seseli montanum	15.0	Sempervivum tectorum	15.0
Sedum rupestre	15.0	Sedum amplexicaule	15.0
Sedum acre	15.0	Reichardia picroides	15.0
Plantago lanceolata	15.0	Osyris alba	15.0
Muscari neglectum	15.0	Knautia purpurea	15.0
Jasione montana	15.0	Hieracium pilosella	15.0
Herniaria glabra subsp. nebrodensis	15.0	Fumana procumbens	15.0
Deschampsia flexuosa	15.0	Cerastium arvense	15.0
Cephalaria leucantha	15.0	Centaurea rupestris	15.0
Carlina corymbosa	15.0	Bunium alpinum	15.0
Asperula purpurea	15.0	Artemisia alba	15.0
Alyssum montanum	15.0	Alyssoides utriculata	15.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Astragalus calabrus	31.0	Plantago maritima subsp. serpentina	23.0
Chamaecytisus spinescens	23.0	Genista michelii	23.0
Genista desoleana	23.0	Festuca circummediterranea	15.0
Thymus longicaulis	8.0	Teucrium montanum	8.0
Silene italica	8.0	Potentilla cinerea	8.0
Phleum ambiguum	8.0	Globularia meridionalis	8.0
Fumana procumbens	8.0	Brachypodium retusum	8.0

**F7.4c - Eastern Mediterranean mountain hedgehog-heath**

*Diagnostic species (phi coefficient \* 100)*

Astragalus angustifolius	73.5	Astragalus creticus	72.2
Marrubium velutinum	65.5	Daphne oleoides	65.2
Eryngium amethystinum	63.5	Poa thessala	55.1
Carduus tmoleus	55.0	Asyneuma limonifolium	53.2
Cerastium candidissimum	50.9	Festuca varia	47.5
Phleum montanum	44.0	Cirsium hypopsilum	42.5
Prunus prostrata	41.1	Campanula spatulata	40.3
Centaurea affinis	39.9	Festuca polita	39.3

<i>Lepidium hirtum</i>	39.2	<i>Galium thymifolium</i>	39.2
<i>Koeleria lobata</i>	38.2	<i>Bromus cappadocicus</i>	37.0
<i>Geranium macrostylum</i>	36.4	<i>Morina persica</i>	35.0
<i>Ptilostemon afer</i>	34.8	<i>Dianthus biflorus</i>	33.7
<i>Acantholimon androsaceum</i>	33.3	<i>Herniaria parnassica</i>	33.2
<i>Malcolmia graeca</i>	33.0	<i>Rosa pulverulenta</i>	32.8
<i>Minuartia verna</i>	32.4	<i>Cerastium brachypetalum</i>	31.8
<i>Thymus longicaulis</i>	31.7	<i>Berberis cretica</i>	31.3
<i>Trifolium parnassi</i>	30.3	<i>Verbascum epixanthinum</i>	29.9
<i>Acantholimon ulicinum</i>	29.9	<i>Marrubium cylleneum</i>	29.7
<i>Melica ciliata</i>	29.4	<i>Sesleria vaginalis</i>	29.1
<i>Crocus sieberi</i>	29.1	<i>Taraxacum sect. Scariosa</i>	28.9
<i>Veronica thymifolia</i>	28.7	<i>Stipa pennata</i>	28.2
<i>Senecio squalidus</i>	27.5	<i>Pimpinella tragium</i>	27.5
<i>Aubrieta deltoidea</i>	27.4	<i>Armeria canescens</i>	26.7
<i>Corydalis uniflora</i>	26.3	<i>Allium frigidum</i>	26.1
<i>Rosa heckeliana</i>	26.0	<i>Myosotis refracta</i>	26.0
<i>Galium taygeteum</i>	26.0	<i>Festuca jeanpertii</i>	25.9
<i>Scilla nana</i>	25.8	<i>Anchusa cespitosa</i>	25.6
<i>Erysimum cephalonicum</i>	25.5	<i>Achillea fraasii</i>	25.2
<i>Thymus leucotrichus</i>	25.1	<i>Lactuca alpestris</i>	24.9
<i>Asperula idaea</i>	24.6	<i>Crupina crupinastrum</i>	22.9
<i>Silene radicata</i>	22.6	<i>Sideritis syriaca</i>	22.1
<i>Sedum amplexicaule</i>	22.0	<i>Salvia argentea</i>	21.8
<i>Paronychia albanica subsp. graeca</i>	21.6	<i>Leontodon crispus</i>	21.4
<i>Linaria peloponnesiaca</i>	21.3	<i>Marrubium thessalum</i>	21.1
<i>Colchicum cretense</i>	21.1	<i>Astragalus thracicus subsp. cylleneus</i>	21.0
<i>Hyacinthella leucophaea</i>	20.8	<i>Erysimum pectinatum</i>	20.8
<i>Cirsium candelabrum</i>	20.8	<i>Buglossoides incrassata</i>	20.8
<i>Alyssum fragillimum</i>	20.8	<i>Scandix australis</i>	20.6
<i>Cirsium heldreichii</i>	20.6	<i>Minuartia juniperina</i>	20.2
<i>Astragalus sirinicus</i>	20.2	<i>Bromus tomentellus</i>	20.1
<i>Thymus striatus</i>	20.0	<i>Lamium bifidum</i>	20.0
<i>Crataegus pycnoloba</i>	20.0	<i>Euphorbia herniariifolia</i>	19.8
<i>Pterocephalus perennis</i>	19.7	<i>Telephium imperati</i>	19.3
<i>Acinos alpinus</i>	19.3	<i>Prunus cocomilia</i>	19.0
<i>Juniperus foetidissima</i>	18.6	<i>Anthemis cretica</i>	18.6
<i>Achillea ageratifolia</i>	18.6	<i>Poa timoleontis</i>	17.4
<i>Nepeta nuda</i>	17.4	<i>Euphorbia myrsinites</i>	16.8
<i>Agropyron cristatum</i>	16.5	<i>Hypericum rumeliacum</i>	16.3
<i>Astragalus depressus</i>	16.3	<i>Alyssum montanum</i>	16.2
<i>Ballota acetabulosa</i>	16.0	<i>Alyssum minutum</i>	15.9
<i>Trifolium physodes</i>	15.8	<i>Poa bulbosa</i>	15.7
<i>Galium verticillatum</i>	15.6	<i>Allium guttatum</i>	15.6
<i>Asphodeline lutea</i>	15.5	<i>Hieracium parnassi</i>	15.4
<i>Draba lasiocarpa</i>	15.4	<i>Centaurea pinardii</i>	15.4
<i>Aethionema carlsbergii</i>	15.4	<i>Viola rauliniana</i>	15.2
<i>Thlaspi graecum</i>	15.2	<i>Senecio fruticosus</i>	15.2
<i>Muscari neglectum</i>	15.2	<i>Galium absurdum</i>	15.2
<i>Enarthrocarpus arcuatus</i>	15.2	<i>Silene melzheimeri</i>	15.1
<i>Peucedanum alpinum</i>	15.1	<i>Galium incanum</i>	15.1

Campanula radicata	15.1	Astragalus erinaceus	15.1
Astragalus apollineus	15.1	Asperula aristata	15.1
Allium phthioticum	15.1	Acantholimon graecum	15.1
Thymus leucospermus	15.0	Reseda saadae	15.0
Ranunculus subhomophyllus	15.0	Geranium cinereum	15.0
Gagea chrysantha	15.0	Erysimum mutabile	15.0
Drabopsis nuda	15.0	Astragalus thracicus subsp. parnassi	15.0
		Aethionema speciosum subsp. compactum	15.0
Asperula oetaea	15.0		

*Constant species (occurrence frequencies)*

Astragalus angustifolius	60.0	Eryngium amethystinum	57.0
Astragalus creticus	55.0	Daphne oleoides	52.0
Marrubium velutinum	45.0	Dactylis glomerata	45.0
Melica ciliata	36.0	Poa thessala	33.0
Carduus tmoleus	33.0	Asyneuma limonifolium	33.0
Festuca varia	31.0	Sanguisorba minor	29.0
Minuartia verna	29.0	Cerastium candidissimum	29.0
Thymus longicaulis	26.0	Stipa pennata	26.0
Phleum montanum	26.0	Poa bulbosa	24.0
Koeleria lobata	24.0	Cerastium brachypetalum	24.0
Campanula spatulata	24.0	Prunus prostrata	19.0
Leontodon crispus	19.0	Cirsium hypopsilum	19.0
Centaurea affinis	19.0	Acinos alpinus	19.0
Lepidium hirtum	17.0	Galium thymifolium	17.0
Festuca polita	17.0	Eryngium campestre	17.0
Bromus cappadocicus	17.0	Teucrium chamaedrys	14.0
Sedum album	14.0	Ptilostemon afer	14.0
Pimpinella tragium	14.0	Morina persica	14.0
Geranium macrostylum	14.0	Thymus striatus	12.0
Rosa pulverulenta	12.0	Malcolmia graeca	12.0
Juniperus oxycedrus	12.0	Herniaria parnassica	12.0
Erophila verna	12.0	Dianthus biflorus	12.0
Cynosurus echinatus	12.0	Bromus squarrosus	12.0
Berberis cretica	12.0	Armeria canescens	12.0
Arenaria serpyllifolia	12.0	Acantholimon androsaceum	12.0
Veronica thymifolia	10.0	Verbascum epixanthinum	10.0
Trisetum flavescens	10.0	Trifolium parnassi	10.0
Teucrium polium	10.0	Teucrium montanum	10.0
Taraxacum sect. Scariosa	10.0	Sesleria vaginalis	10.0
Senecio squalidus	10.0	Sedum amplexicaule	10.0
Phleum alpinum agg.	10.0	Myosotis sylvatica	10.0
Muscari neglectum	10.0	Medicago lupulina	10.0
Marrubium cylleneum	10.0	Hypericum rumeliacum	10.0
Festuca jeanpertii	10.0	Euphorbia myrsinites	10.0
Crupina crupinastrum	10.0	Crocus sieberi	10.0
Crepis sancta	10.0	Aubrieta deltoidea	10.0
Astragalus onobrychis	10.0	Asperula aristata	10.0
Alyssum montanum	10.0	Acantholimon ulicinum	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Astragalus creticus	52.0	Astragalus angustifolius	36.0
---------------------	------	--------------------------	------

### F9.1a - Arctic, boreal and Alpine riparian scrub

#### *Diagnostic species (phi coefficient \* 100)*

Salix lapponum	69.2	Salix phylicifolia	55.8
Salix lanata	41.6	Salix glauca	38.2
Stellaria borealis	36.8	Betula nana	35.7
Trientalis europaea	34.8	Carex bigelowii	31.5
Polygonum viviparum	31.0	Lophozia longiflora	31.0
Salix hastata	30.3	Rhodiola rosea	27.9
Pedicularis lapponica	27.7	Rubus chamaemorus	26.7
Salix borealis	25.9	Cerastium alpinum	25.9
Saussurea alpina	25.6	Epilobium anagallidifolium	25.5
Harpanthus flotovianus	25.1	Cerastium glabratum	25.0
Alchemilla alpina	25.0	Calamagrostis purpurea	24.7
Rhizomnium pseudopunctatum	24.4	Viola epipsila	23.9
Pedicularis sceptrum-carolinum	22.4	Stellaria crassifolia	22.2
Sphagnum girgensohnii	21.8	Carex vaginata	21.2
Drepanocladus uncinatus	20.6	Carex brunnescens	19.2
Empetrum nigrum subsp. hermaphroditum	18.9	Tritomaria quinquedentata	18.3
Jungermannia pumila	18.3	Angelica archangelica	18.3
Thalictrum alpinum	18.0	Salix nummularia	17.9
Cephaloziella spinigera	17.9	Lobaria linita	17.7
Epilobium hornemannii	17.4	Marchantia polymorpha	17.3
Primula nutans	17.2	Nephroma expallidum	17.2
Diplophyllum taxifolium	17.2	Alchemilla glomerulans	17.1
Plagiothecium platyphyllum	16.8	Calamagrostis stricta	16.8
Salix herbacea	16.4	Sibbaldia procumbens	15.7
Carex aquatilis	15.5	Galium trifidum	15.3
Veronica alpina	15.2	Agrostis mertensii	15.2
Psoroma hypnorum	15.1	Betula pubescens subsp. tortuosa	15.1
Equisetum scirpoides	15.0		

#### *Constant species (occurrence frequencies)*

Salix lapponum	59.0	Deschampsia cespitosa	48.0
Trientalis europaea	41.0	Polygonum viviparum	41.0
Salix phylicifolia	38.0	Deschampsia flexuosa	38.0
Rumex acetosa	34.0	Ranunculus acris	31.0
Betula nana	31.0	Solidago virgaurea	28.0
Anthoxanthum odoratum	28.0	Vaccinium myrtillus	24.0
Carex bigelowii	24.0	Caltha palustris	24.0
Salix lanata	21.0	Salix glauca	21.0
Rubus chamaemorus	21.0	Potentilla palustris	21.0
Filipendula ulmaria	21.0	Viola palustris	17.0
Geum rivale	17.0	Alchemilla alpina	17.0
Vaccinium vitis-idaea	14.0	Stellaria borealis	14.0
Sphagnum girgensohnii	14.0	Saussurea alpina	14.0
Salix hastata	14.0	Rhodiola rosea	14.0
Rhizomnium punctatum	14.0	Luzula sylvatica	14.0
Chaerophyllum hirsutum	14.0	Geranium sylvaticum	14.0

Festuca rubra	14.0	Festuca ovina	14.0
Empetrum nigrum subsp. hermaphroditum	14.0	Crepis paludosa	14.0
Carex rostrata	14.0	Aulacomnium palustre	14.0
Viola epipsila	10.0	Viola biflora	10.0
Vaccinium uliginosum	10.0	Thalictrum alpinum	10.0
Sphagnum warnstorffii	10.0	Salix herbacea	10.0
Rhizomnium pseudopunctatum	10.0	Ptilidium ciliare	10.0
Phleum alpinum agg.	10.0	Pedicularis lapponica	10.0
Oxalis acetosella	10.0	Marchantia polymorpha	10.0
Lophozia longiflora	10.0	Hylocomium splendens	10.0
Eriophorum vaginatum	10.0	Equisetum sylvaticum	10.0
Equisetum palustre	10.0	Equisetum fluviatile	10.0
Equisetum arvense	10.0	Epilobium palustre	10.0
Epilobium anagallidifolium	10.0	Drepanocladus uncinatus	10.0
Cerastium alpinum	10.0	Carex vaginata	10.0
Cardamine pratensis	10.0	Calamagrostis stricta	10.0
Calamagrostis purpurea	10.0	Bistorta officinalis	10.0
Betula pubescens	10.0	Alchemilla vulgaris	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Salix lapponum	59.0	Salix phylicifolia	24.0
Salix glauca	17.0	Salix lanata	10.0
Betula nana	10.0	Salix hastata	7.0
Rumex acetosa	7.0	Deschampsia flexuosa	7.0

**F9.1b - Temperate riparian scrub**

*Diagnostic species (phi coefficient \* 100)*

Salix purpurea	49.1	Salix triandra	44.5
Salix viminalis	35.5	Hippophae rhamnoides	34.0
Salix elaeagnos	33.0	Solanum dulcamara	21.5
Rubus caesius	19.9	Calystegia sepium	17.0
Urtica dioica	15.9	Salix fragilis	15.0

*Constant species (occurrence frequencies)*

Urtica dioica	57.0	Salix purpurea	48.0
Rubus caesius	39.0	Solanum dulcamara	35.0
Salix triandra	34.0	Phalaris arundinacea	30.0
Galium aparine	29.0	Calystegia sepium	28.0
Poa trivialis	25.0	Salix viminalis	23.0
Ranunculus repens	23.0	Salix elaeagnos	22.0
Agrostis stolonifera	22.0	Hippophae rhamnoides	21.0
Glechoma hederacea	20.0	Angelica sylvestris	20.0
Lythrum salicaria	18.0	Symphytum officinale	15.0
Sambucus nigra	15.0	Lysimachia vulgaris	15.0
Equisetum arvense	15.0	Dactylis glomerata	15.0
Aegopodium podagraria	15.0	Salix alba	13.0
Lycopus europaeus	13.0	Galium mollugo agg.	13.0
Tussilago farfara	12.0	Mentha aquatica	12.0
Heracleum sphondylium	12.0	Salix fragilis	11.0

Rumex obtusifolius	11.0	Rorippa amphibia	11.0
Phragmites australis	11.0	Galium palustre	11.0
Filipendula ulmaria	11.0	Elymus caninus	11.0
Cirsium arvense	11.0	Brachythecium rutabulum	11.0
Brachypodium sylvaticum	11.0	Scrophularia nodosa	10.0
Mentha longifolia	10.0	Lysimachia nummularia	10.0
Iris pseudacorus	10.0	Fraxinus excelsior	10.0
Eupatorium cannabinum	10.0	Cornus sanguinea	10.0
Calamagrostis epigejos	10.0		

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Salix purpurea	32.0	Salix triandra	23.0
Hippophae rhamnoides	21.0	Salix viminalis	15.0
Salix elaeagnos	15.0	Urtica dioica	11.0

**F9.2 - Salix fen scrub**

*Diagnostic species (phi coefficient \* 100)*

Salix cinerea	37.0	Salix repens	17.6
Solanum dulcamara	17.3	Salix atrocinerea	17.0
Myrica gale	17.0	Calamagrostis canescens	15.0

*Constant species (occurrence frequencies)*

Salix cinerea	59.0	Lysimachia vulgaris	34.0
Galium palustre	33.0	Solanum dulcamara	28.0
Urtica dioica	26.0	Phragmites australis	26.0
Lycopus europaeus	23.0	Iris pseudacorus	21.0
Molinia caerulea agg.	20.0	Frangula alnus	19.0
Filipendula ulmaria	19.0	Lythrum salicaria	18.0
Juncus effusus	18.0	Calamagrostis canescens	18.0
Mentha aquatica	17.0	Cirsium palustre	17.0
Calliergonella cuspidata	17.0	Salix repens	15.0
Poa trivialis	15.0	Angelica sylvestris	15.0
Holcus lanatus	14.0	Salix aurita	13.0
Salix atrocinerea	13.0	Alnus glutinosa	13.0
Agrostis stolonifera	13.0	Rubus fruticosus agg.	12.0
Ranunculus repens	12.0	Potentilla palustris	12.0
Potentilla erecta	12.0	Peucedanum palustre	12.0
Myrica gale	12.0	Hydrocotyle vulgaris	12.0
Dryopteris carthusiana	12.0	Caltha palustris	12.0
Betula pubescens	12.0	Cardamine pratensis	11.0
Scutellaria galericulata	10.0	Galium aparine	10.0
Equisetum fluviatile	10.0	Deschampsia cespitosa	10.0
Carex elata	10.0	Carex acutiformis	10.0

*Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Salix cinerea	54.0	Salix repens	13.0
Salix atrocinerea	12.0	Myrica gale	10.0
Salix aurita	7.0	Molinia caerulea agg.	6.0
Frangula alnus	6.0		

### F9.3 - Mediterranean riparian scrub

#### *Diagnostic species (phi coefficient \* 100)*

Nerium oleander	53.8	Vitex agnus-castus	51.1
Tamarix gallica	43.9	Tamarix africana	41.0
Tamarix canariensis	32.3	Oxalis pes-caprae	24.7
Juncus acutus	24.5	Tamarix hampeana	23.8
Suaeda braun-blanquetii	21.3	Atriplex halimus	20.7
Piptatherum miliaceum	20.6	Rubus sanctus	20.0
Hypericum hircinum	20.0	Parietaria cretica	18.7
Dracunculus vulgaris	18.1	Arisarum vulgare	17.4
Rubus ulmifolius	16.4	Sarcopoterium spinosum	16.3
Phlomis lanata	16.2	Limonium vulgare agg.	16.0
Hordeum marinum	15.5	Carex microcarpa	15.3

#### *Constant species (occurrence frequencies)*

Nerium oleander	35.0	Vitex agnus-castus	31.0
Rubus ulmifolius	26.0	Tamarix gallica	23.0
Tamarix africana	18.0	Galium aparine	18.0
Smilax aspera	15.0	Solanum dulcamara	14.0
Asparagus acutifolius	14.0	Pistacia lentiscus	13.0
Piptatherum miliaceum	13.0	Phragmites australis	12.0
Juncus acutus	12.0	Arisarum vulgare	12.0
Tamarix canariensis	11.0	Atriplex prostrata	10.0

#### *Dominant species (percentage frequencies of occurrences with cover > 25 %)*

Nerium oleander	29.0	Tamarix gallica	22.0
Vitex agnus-castus	19.0	Tamarix africana	13.0
Tamarix canariensis	10.0	Tamarix hampeana	9.0