

Supplementary Material

Appendix S1. Sources of selected vegetation plots to carry out the synthesis of *Carici caryophylleae-Genistetea salzmannii*.

Reference	Programme	Vegetation plots number
Litardière, R. (de) & Malcuit, G., 1926. Contribution à l'étude phytosociologique de la Corse. Le massif du Renoso. Lechevalier édit., Paris.	-	7
Litardière, R. (de) 1928. Contributions à l'étude phytosociologique de la Corse. Les montagnes de la Corse orientale entre le Golo et le Tavignano. Archives de Botanique, Tome II, Mémoire N° 4.	-	4
Litardière, R. (de) & Malcuit, G., 1931. Contributions à l'étude phytosociologique de la Corse. Esquisse de la végétation de la Punta di Fornello. Archives de Botanique, Tome IV, Mémoire N° 5.	-	4
Molinier, R., 1959. Étude des groupements végétaux terrestres du Cap Corse. Bull. Mus. Hist. Nat. Marseille XIX : 5-75.	-	12
Klein, J.-C. 1972. Le <i>Genisteto-Carlinetum macrocephalae</i> ass. nov. de l'étage montagnard et le <i>Ligusticetum corsici</i> ass. nov. de l'étage subalpin des massifs du Cinto et du Campotile orientale. Vegetatio 25 (5-6): 311-333.	-	47
Gamisans, J., 1975. La végétation des montagnes corses. Thèse d'État, Université de Marseille, France.	-	115
Gamisans, J., Gruber, M., Claudin, J., & Casanova, J. B. 1981. Carte de la végétation du Haut-Vénacais au 1/25 000. Ecologia Mediterranea 7 (1): 85-98.	-	10
Gamisans, J., 1989. La végétation de la vallée de Verghellu, son état actuel, son évolution probable et l'état actuel de sa flore. Trav. Sci. Parc Nat. Régional Réserves Nat. Corse 25: 53-104.	-	21
Lejour, L., 2012. Typologie des maquis de Haute-Corse dans les étages thermo, méso et supraméditerranéen. Mémoire. Conservatoire Botanique National de Corse, Office de l'Environnement Corse, Corte, France.	CarHAB	100
Aurière, A., 2013. Contribution à la typologie des maquis et autres fruticées sclérophylles de Corse. Mémoire. Univ. Bretagne Occidentale, Conservatoire Botanique National de Corse, Office de l'Environnement Corse, Corte, France.	CarHAB	58
Lefort, P. (2013). Étude du paysage végétal de la vallée du Niolu (Haute-Corse). Mémoire. Université de Toulouse Paul Sabatier, Conservatoire Botanique National de Corse, Office de l'Environnement Corse, Corte, France.	CarHAB	6
Tanné, M., 2014. Végétations et séries de végétation du Haut-Vénacais (Haute-Corse): typologie, cartographie et analyse diachronique. Mémoire. Agrocampus-ouest, Conservatoire Botanique National de Corse/Office de l'Environnement de Corse, Corte, France.	CarHAB	12
Delbosc, P., 2015. Phytosociologie dynamico-caténale des végétations de la Corse: méthodologies typologique et cartographique. Thèse de doctorat, Université de Bretagne occidentale, Brest, France.	CarHAB	123
Total		519

Appendix S2. Pool characteristics obtained from a modified TWINSpan classification.

The plant communities' names for pool and the number of vegetation plots were indicated. The name of the alliance or community type to which a pool corresponds is named, as well as the number of plots assigned to the pool. Diagnostic, constant, and dominant species are presented for each pool. The numbers reported for diagnostic species are fidelity values (numbers for diagnostic species correspond to values of the phi coefficient of association between species and plots assigned to the alliance, multiplied by 100). Numbers for constant species are percentage frequencies, and numbers for dominant species are percentage frequencies of occurrences with a cover higher than 10. These data were obtained using JUICE software. A distribution map of the vegetation plots by the pool is also provided, colours indicate the biogeographic area recognized by Rivas-Martínez *et al.* (2004): red for supramediterranean pools; green for oromediterranean pools.

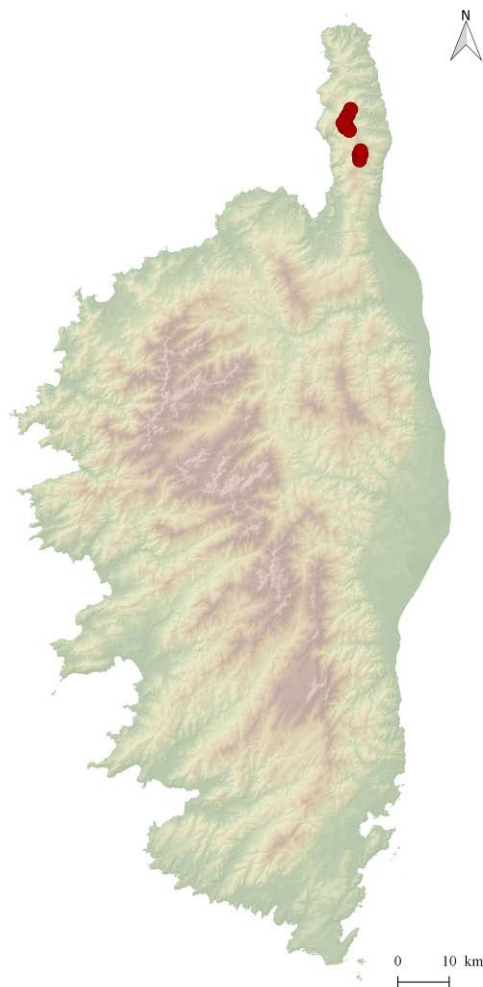
Pool 1: *Genisto salzmannii*-*Alysetum robertiani* Ro. Molinier 1959

Number of relevés: 12

Diagnostic species: *Carex halleriana* subsp. *corsica* 90.7, *Crocus corsicus* 89.6, *Morisia monanthos* 69.7, *Teesdalia coronopifolia* 67.3, *Viola corsica* subsp. *corsica* 58.4, *Cerastium boissierianum* 57.6, *Plantago lagopus* 56.4, *Gagea bohemica* 56.4, *Bunium alpinum* subsp. *corydalinum* 45.8, *Sagina subulata* 45.7, *Berberis aetnensis* 36.1, *Cerastium diffusum* subsp. *diffusum* 35.0, *Bellium bellidioides* 31.2, *Teucrium capitatum* subsp. *capitatum* 30.5, *Orchis mascula* 29.2, *Alyssum robertianum* 27.8, *Luzula campestris* 26.1, *Rumex acetosella* subsp. *pyrenaicus* 25.5, *Euphorbia spinosa* 22.5, *Thymus herba-barona* 20.5

Constant species: *Erica arborea* 50, *Anthyllis hermanniae* subsp. *corsica* 50, *Rosa serafinii* 42, *Helichrysum italicum* subsp. *italicum* 42, *Brachypodium retusum* 42, *Anthoxanthum odoratum* 42, *Hypochaeris robertia* 33, *Sherardia arvensis* 25, *Dactylis glomerata* subsp. *glomerata* 25, *Buxus sempervirens* 25

Dominant species: *Berberis aetnensis* 83, *Crocus corsicus* 58, *Bunium alpinum* subsp. *corydalinum* 58, *Thymus herba-barona* 50, *Teesdalia coronopifolia* 42, *Morisia monanthos* 42, *Carex halleriana* subsp. *corsica* 25, *Euphorbia spinosa* 17, *Anthyllis hermanniae* subsp. *corsica* 17



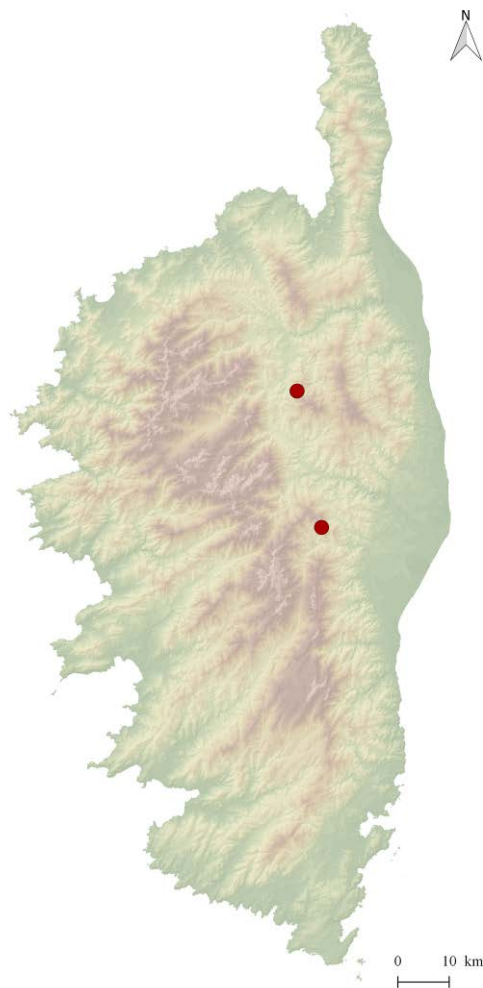
Pool 2: *Helichryso italicum*-*Genistetum salzmannii* Gamisans 1977

Number of relevés: 2

Diagnostic species: *Anthemis arvensis* 100.0, *Vulpia ciliata* subsp. *ciliata* 72.9, *Briza maxima* 71.2, *Hypochaeris radicata* 69.5, *Hypochaeris achyrophorus* 69.5, *Geranium dissectum* 69.5, *Viola arvensis* 68.4, *Linaria pelisseriana* 65.9, *Plantago lanceolata* 63.1, *Ranunculus bulbosus* 62.7, *Petrorhagia velutina* 62.7, *Rumex acetosella* subsp. *pyrenaicus* 62.4, *Armeria leucocephala* var. *leucocephala* 61.3, *Silene gallica* 55.2, *Filago vulgaris* 52.7, *Micropyrum tenellum* 52.5, *Galium parisiense* 46.4, *Erica arborea* 44.5, *Crucianella angustifolia* 42.6, *Sherardia arvensis* 41.8, *Aira caryophylla* 41.3, *Scleranthus annuus* subsp. *annuus* 40.0, *Genista salzmanni* var. *salzmannii* 36.3, *Helichrysum italicum* subsp. *italicum* 36.1, *Teesdalia coronopifolia* 32.3, *Genista corsica* 28.3, *Jasione montana* subsp. *montana* 28.0, *Cerastium soleirolii* 26.9, *Brachypodium pinnatum* subsp. *rupestre* 23.4, *Rosa serafinii* 22.4, *Brachypodium retusum* 20.8, *Sanguisorba minor* 20.7, *Anthyllis hermanniae* subsp. *corsica* 20.4

Constant species: *Thymus herba-barona* 50, *Hypochaeris cretensis* 50, *Carex caryophylla* 50, *Anthoxanthum odoratum* 50

Dominant species: *Rumex acetosella* subsp. *pyrenaicus* 100, *Helichrysum italicum* subsp. *italicum* 100, *Genista salzmanni* var. *salzmannii* 100, *Cerastium soleirolii* 100, *Briza maxima* 100, *Aira caryophylla* 100, *Vulpia ciliata* subsp. *ciliata* 50, *Viola arvensis* 50, *Thymus herba-barona* 50, *Silene gallica* 50, *Micropyrum tenellum* 50, *Hypochaeris achyrophorus* 50, *Genista corsica* 50, *Erica arborea* 50, *Brachypodium retusum* 50, *Brachypodium pinnatum* subsp. *rupestre* 50, *Anthyllis hermanniae* subsp. *corsica* 50, *Anthoxanthum odoratum* 50, *Anthemis arvensis* 50

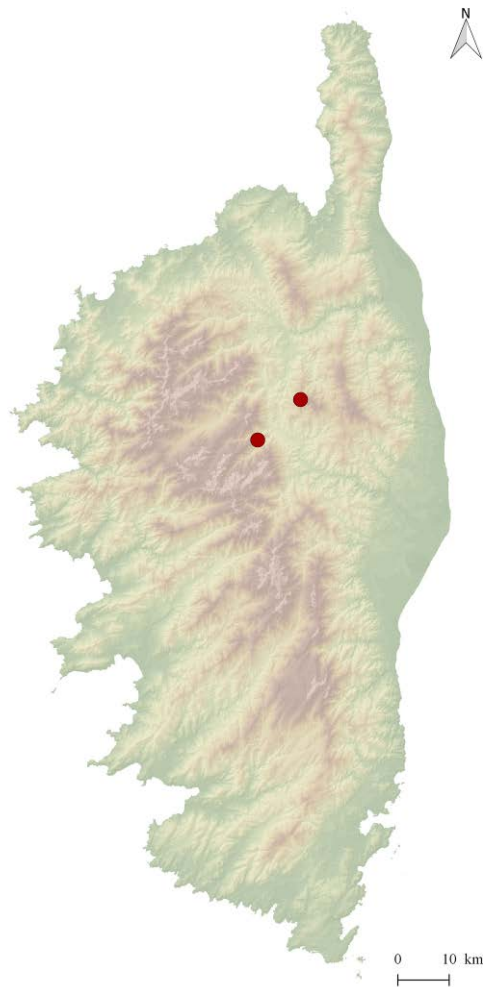


Pool 3: *Helichryso italicum*-*Genistetum salzmannii* Gamisans 1977
Number of relevés: 2

Diagnostic species: *Silene nodulosa* 79.2, *Dianthus sylvestris* subsp. *longicaulis* 73.1, *Lolium perenne* 71.9, *Viola alba* subsp. *dehnhardtii* 69.5, *Brachypodium distachyon* 69.5, *Muscari comosum* 69.5, *Lathyrus latifolius* 69.5, *Convolvulus cantabrica* 69.5, *Calamintha nepeta* 69.5, *Catapodium rigidum* 69.5, *Asplenium adiantum-nigrum* 69.5, *Bromus madritensis* 69.5, *Genista corsica* 67.3, *Linum trigynum* 67.1, *Carlina corymbosa* 65.9, *Hypericum perforatum* 63.3, *Rubia peregrina* 62.1, *Prunella laciniata* 62.1, *Petrorhagia saxifraga* subsp. *gasparrinii* 57.6, *Brachypodium retusum* 54.6, *Trifolium arvense* 53.1, *Teucrium marum* 51.9, *Stellaria media* 47.8, *Galium parisiense* 46.4, *Hypochaeris cretensis* 38.5, *Helichrysum italicum* subsp. *italicum* 36.1, *Bromus hordeaceus* subsp. *hordeaceus* 34.0, *Dactylis glomerata* subsp. *glomerata* 33.8, *Briza maxima* 30.6, *Sanguisorba minor* 20.7, *Anthyllis hermanniae* subsp. *corsica* 20.4

Constant species: *Lotus corniculatus* 50, *Galium corsicum* 50, *Erica arborea* 50

Dominant species: *Teucrium marum* 100, *Helichrysum italicum* subsp. *italicum* 100, *Genista corsica* 100, *Brachypodium retusum* 100, *Anthyllis hermanniae* subsp. *corsica* 100, *Erica arborea* 50

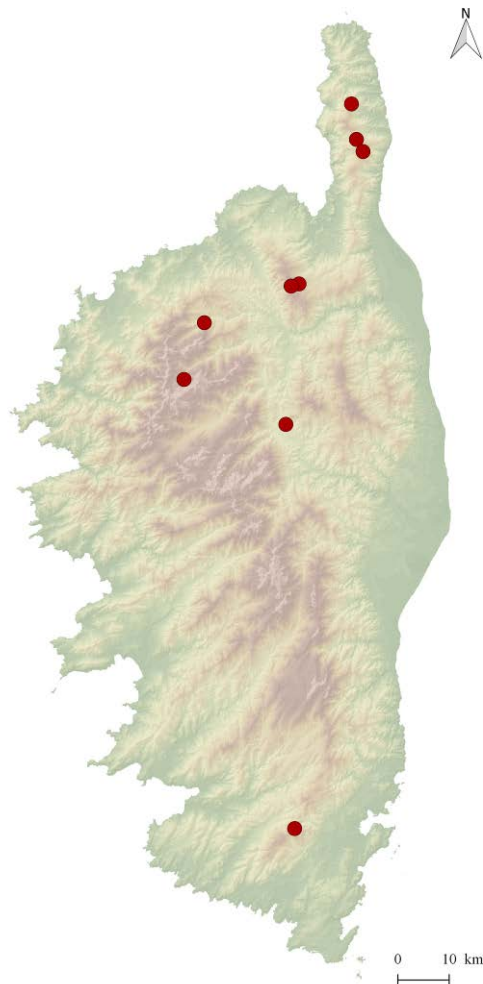


Pool 4: *Helichryso italicum*-*Genistetum salzmannii* *helichrysetosum italicum* Gamisans 1977
Number of relevés: 9

Diagnostic species: *Silene paradoxa* 56.4, *Anthyllis vulneraria* subsp. *rubriflora* 50.6, *Dactylis glomerata* subsp. *glomerata* 48.2, *Cistus salviifolius* 45.9, *Cardamine plumieri* 45.9, *Anthericum liliago* 45.9, *Teucrium marum* 44.6, *Euphorbia spinosa* 43.1, *Rumex bucephalophorus* 40.9, *Carlina corymbosa* 40.3, *Peucedanum paniculatum* 35.6, *Teucrium capitatum* subsp. *capitatum* 33.1, *Linum trigynum* 32.6, *Veronica montana* 32.3, *Sedum caeruleum* 32.3, *Helianthemum aegyptiacum* 32.3, *Filago arvensis* 32.3, *Asterolinon linum-stellatum* 32.3, *Aira cupaniana* 32.3, *Genista salzmanni* var. *salzmannii* 30.1, *Trifolium campestre* 28.6, *Buxus sempervirens* 28.5, *Asphodelus ramosus* 27.5, *Dianthus sylvestris* subsp. *longicaulis* 27.1, *Brachypodium retusum* 24.5, *Genista corsica* 24.0, *Helichrysum italicum* subsp. *italicum* 23.7, *Plantago lanceolata* 21.8, *Polygala vulgaris* subsp. *vulgaris* 20.6

Constant species: *Thymus herba-barona* 89, *Anthyllis hermanniae* subsp. *corsica* 78, *Erica arborea* 56, *Aira caryophylla* 56, *Galium corsicum* 44, *Petrorhagia saxifraga* subsp. *gasparrinii* 33, *Hypochaeris cretensis* 33, *Cerastium boissierianum* 33, *Bunium alpinum* subsp. *corydalinum* 33, *Bellium bellidioides* 33, *Viola corsica* subsp. *corsica* 22, *Scleranthus annuus* subsp. *annuus* 22, *Sanguisorba minor* 22, *Jasione montana* subsp. *montana* 22, *Cynosurus echinatus* 22, *Carex caryophylla* 22, *Anthoxanthum odoratum* 22

Dominant species: *Thymus herba-barona* 44, *Erica arborea* 44, *Buxus sempervirens* 44, *Anthyllis hermanniae* subsp. *corsica* 44, *Teucrium marum* 33, *Genista salzmanni* var. *salzmannii* 33, *Euphorbia spinosa* 33, *Cistus salviifolius* 22, *Brachypodium retusum* 22, *Asphodelus ramosus* 22, *Teucrium capitatum* subsp. *capitatum* 11, *Carex caryophylla* 11, *Brachypodium pinnatum* subsp. *rupestre* 11



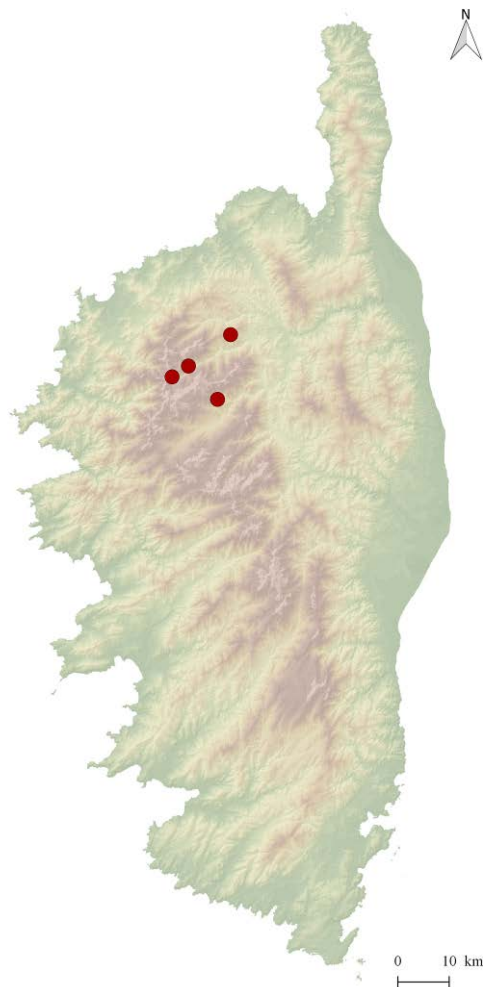
Pool 5: Anthyllidion hermanniae Klein 1972

Number of relevés: 4

Diagnostic species: *Crataegus monogyna* 79.8, *Polygala pedemontana* 63.3, *Festuca sardoa* 62.4, *Juncus capitatus* 48.7, *Cistus creticus* 48.7, *Aira elegantissima* 48.7, *Carex caryophyllea* 46.9, *Rosa serafinii* 39.9, *Hypochaeris glabra* 39.8, *Sanguisorba minor* 37.6, *Genista salzmannii* var. *lobelioides* 35.1, *Viola corsica* subsp. *corsica* 26.9, *Anthyllis vulneraria* subsp. *rubriflora* 25.9, *Galium corsicum* 22.9

Constant species: *Anthyllis hermanniae* subsp. *corsica* 75, *Lotus corniculatus* 50, *Bellium bellidioides* 50, *Vulpia ciliata* subsp. *ciliata* 25, *Thymus herba-barona* 25, *Teucrium capitatum* subsp. *capitatum* 25, *Silene vulgaris* 25, *Plantago lanceolata* 25, *Linum trigynum* 25, *Jasione montana* subsp. *montana* 25, *Hypochaeris robertia* 25, *Helichrysum italicum* subsp. *italicum* 25, *Festuca rubra* subsp. *rubra* var. *rubra* 25, *Erica arborea* 25, *Carlina corymbosa* 25, *Brachypodium pinnatum* subsp. *rupestre* 25, *Anthoxanthum odoratum* 25, *Agrostis capillaris* subsp. *castellana* 25

Dominant species: *Genista salzmannii* var. *lobelioides* 75, *Anthyllis hermanniae* subsp. *corsica* 75, *Festuca sardoa* 50, *Bellium bellidioides* 50, *Thymus herba-barona* 25, *Rosa serafinii* 25, *Erica arborea* 25, *Crataegus monogyna* 25, *Brachypodium pinnatum* subsp. *rupestre* 25

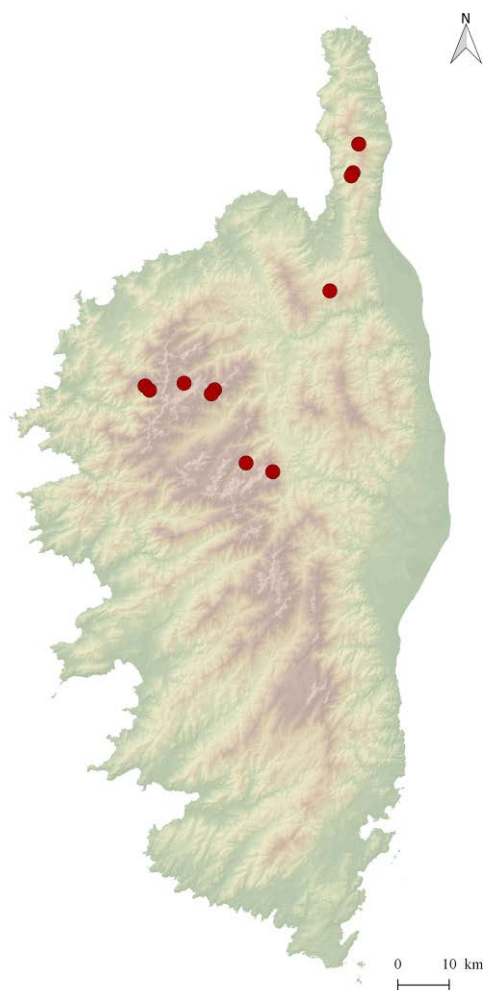


Pool 6: *Helichryo italici-Genistetum salzmannii helichrysetosum italici* Gamisans 1977
Number of relevés: 11

Diagnostic species: *Buxus sempervirens* 68.2, *Alyssum robertianum* 50.1, *Polygala vulgaris* subsp. *vulgaris* 47.4, *Lilium bulbiferum* 41.4, *Genista salzmanni* var. *salzmannii* 31.2, *Viola corsica* subsp. *corsica* 30.3, *Rubus ulmifolius* 29.2, *Quercus ilex* 29.2, *Pulicaria odora* 29.2, *Geranium robertianum* 29.2, *Filago gallica* 29.2, *Cyclamen repandum* subsp. *repandum* 29.2, *Coincya monensis* subsp. *cheiranthos* 29.2, *Carex digitata* 29.2, *Cardamine hirsuta* 29.2, *Arenaria serpyllifolia* 29.2, *Sedum album* 28.4, *Corydalis pumila* 26.8, *Hypochaeris robertia* 26.1, *Carex caryophylla* 24.3

Constant species: *Anthyllis hermanniae* subsp. *corsica* 91, *Thymus herba-barona* 55, *Rosa serafinii* 45, *Bunium alpinum* subsp. *corydalinum* 45, *Bellium bellidioides* 45, *Erica arborea* 36, *Teucrium marum* 27, *Rumex acetosella* subsp. *pyrenaicus* 27, *Lotus corniculatus* 27, *Euphorbia spinosa* 27, *Dianthus sylvestris* subsp. *longicaulis* 27, *Cynosurus echinatus* 27, *Brachypodium retusum* 27

Dominant species: *Genista salzmanni* var. *salzmannii* 73, *Buxus sempervirens* 64, *Anthyllis hermanniae* subsp. *corsica* 36, *Erica arborea* 27

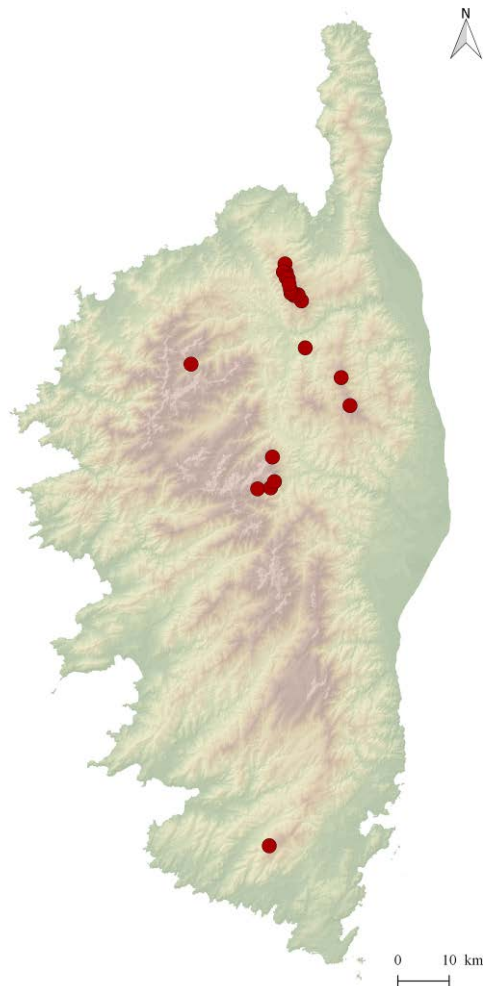


Pool 7: *Helichryso italicum*-*Genistetum salzmannii cerastietosum boissieriani* Gamisans 1977
Number of relevés: 20

Diagnostic species: *Asphodelus cerasiferus* 53.5, *Carlina macrocephala* subsp. *macrocephala* 51.4, *Pteridium aquilinum* 49.8, *Luzula forsteri* 47.1, *Bellis perennis* 46.0, *Poa bulbosa* subsp. *bulbosa* 40.1, *Cynosurus echinatus* 37.0, *Petrorhagia prolifera* 35.0, *Bromus hordeaceus* subsp. *hordeaceus* 34.0, *Trifolium campestre* 32.8, *Briza minor* 32.7, *Polygala vulgaris* subsp. *vulgaris* 30.9, *Cerastium boissierianum* 29.6, *Trifolium arvense* 29.3, *Vicia sativa* 28.3, *Petrorhagia saxifraga* subsp. *gasparrinii* 26.1, *Vulpia ciliata* subsp. *ciliata* 23.3, *Cruciata glabra* 22.7, *Viola parvula* 21.6, *Viola kitaibeliana* 21.6, *Taraxacum fulviforme* 21.6, *Rosa canina* 21.6, *Parentucellia latifolia* 21.6, *Orchis provincialis* 21.6, *Neotinea lactea* 21.6, *Geranium molle* 21.6, *Geranium columbinum* 21.6, *Galium rotundifolium* 21.6, *Fragaria vesca* 21.6, *Alyssum alyssoides* 21.6, *Anthoxanthum odoratum* 21.2, *Sanguisorba minor* 20.7, *Anthyllis hermanniae* subsp. *corsica* 20.4

Constant species: *Helichrysum italicum* subsp. *italicum* 70, *Thymus herba-barona* 60, *Aira caryophylla* 60, *Lotus corniculatus* 55, *Erica arborea* 55, *Teucrium marum* 50, *Galium corsicum* 50, *Genista salzmanni* var. *salzmannii* 45, *Bellium bellidioides* 45, *Veronica verna* subsp. *brevistyla* 40, *Rumex acetosella* subsp. *pyrenaicus* 40, *Helleborus lividus* subsp. *corsicus* 40, *Carex caryophylla* 40, *Rosa serafinii* 35, *Pilosella kralikii* 35, *Juniperus communis* subsp. *alpina* 35, *Plantago lanceolata* 30

Dominant species: *Anthyllis hermanniae* subsp. *corsica* 30, *Helichrysum italicum* subsp. *italicum* 20, *Juniperus communis* subsp. *alpina* 15, *Teucrium marum* 10, *Erica arborea* 10, *Anthoxanthum odoratum* 10



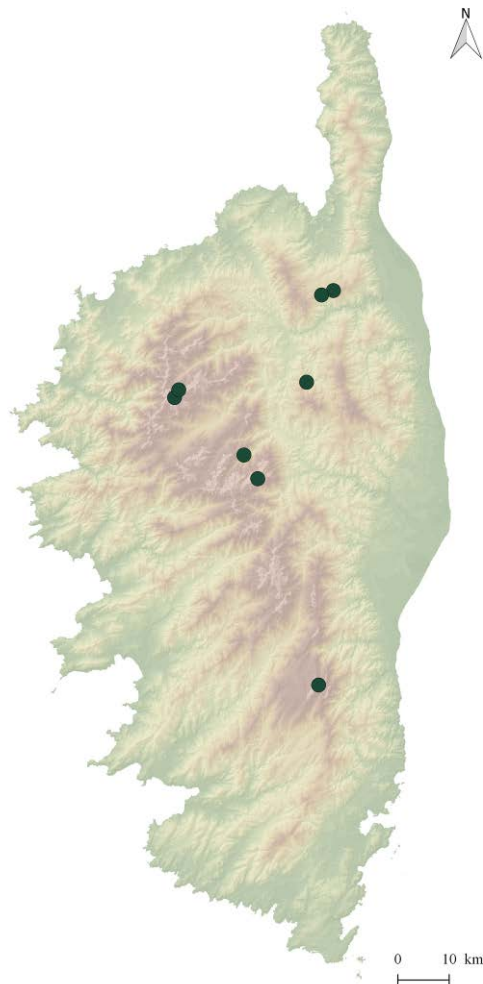
Pool 8: *Ligusticetum corsici* Klein 1972

Number of relevés: 8

Diagnostic species: *Luzula spicata* subsp. *italica* 79.8, *Sedum alpestre* 62.4, *Sagina pilifera* 60.7, *Euphrasia nana* 59.9, *Plantago sarda* 52.1, *Thlaspi brevistylum* 52.1, *Phyteuma serratum* 48.7, *Chenopodium bonus-henricus* 48.7, *Alchemilla alpina* 48.7, *Acer pseudoplatanus* 43.7, *Poa alpina* 41.7, *Saxifraga pedemontana* subsp. *cervicornis* 34.3, *Poa pratensis* 34.3, *Phleum pratense* subsp. *nodosum* 34.3, *Geum montanum* 34.3, *Galium cometorhizon* 34.3, *Acinos corsicus* 34.3, *Agrostis rupestris* 34.3, *Hieracium murorum* 32.2, *Gagea soleirolii* subsp. *soleirolii* 32.2, *Fagus sylvatica* 32.2, *Sedum brevifolium* 31.2, *Poa nemoralis* subsp. *balbisii* 30.0, *Hypochaeris robertia* 29.3, *Deschampsia flexuosa* 29.3, *Stachys corsica* 28.7, *Nardus stricta* 26.6, *Digitalis purpurea* 26.6, *Alnus alnobetula* subsp. *suaveolens* 24.5, *Mutellina corsica* 24.4, *Pilosella piloselloides* subsp. *praealta* 23.8, *Rumex acetosella* subsp. *pyrenaicus* 23.0, *Cerastium soleirolii* 20.2

Constant species: *Silene vulgaris* 50, *Pilosella kralikii* 38, *Armeria multiceps* 38, *Juniperus communis* subsp. *alpina* 25, *Bromus hordeaceus* subsp. *hordeaceus* 25

Dominant species: *Poa nemoralis* subsp. *balbisii* 50, *Sagina pilifera* 38, *Plantago sarda* 38, *Stachys corsica* 25, *Rumex acetosella* subsp. *pyrenaicus* 25, *Luzula spicata* subsp. *italica* 25, *Cerastium soleirolii* 25, *Silene vulgaris* 12, *Sedum brevifolium* 12, *Sedum alpestre* 12, *Poa pratensis* 12, *Pilosella kralikii* 12, *Nardus stricta* 12, *Luzula pedemontana* 12, *Mutellina corsica* 12, *Hypochaeris robertia* 12, *Galium corsicum* 12, *Fagus sylvatica* 12, *Bromus hordeaceus* subsp. *hordeaceus* 12, *Brimeura fastigiata* 12, *Chenopodium bonus-henricus* 12, *Bellardiochloa variegata* 12, *Deschampsia flexuosa* 12, *Alnus alnobetula* subsp. *suaveolens* 12

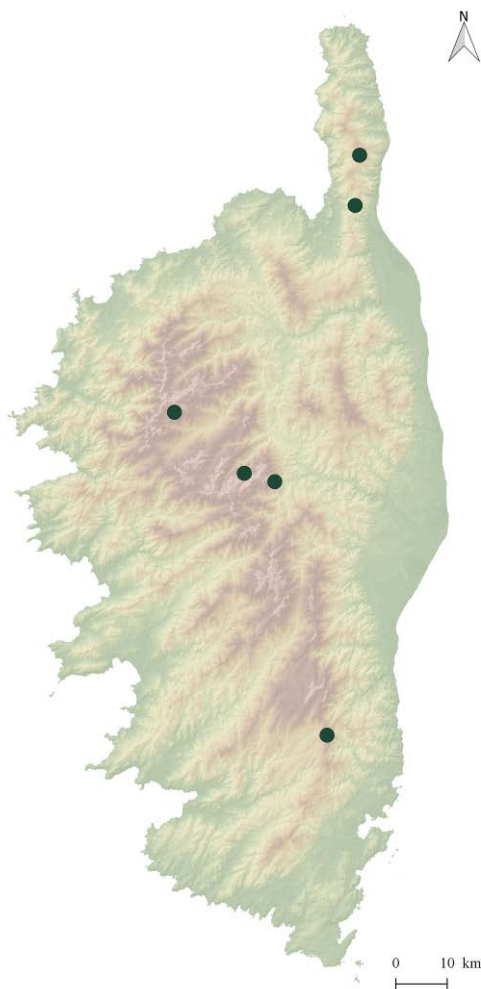


Pool 9: Transition communities between *Paronychio polygonifoliae*-*Armerietum multicepitis* Gamisans 1977 *genistetosum lobelioidis* Gamisans 1977 and *Juniperetum nanae* Litardière & Malcuit 1926

Diagnostic species: *Alnus alnobetula* subsp. *suaveolens* 55.2, *Daphne oleoides* 42.3, *Orchis mascula* 40.7, *Bunium alpinum* subsp. *corydalinum* 35.6, *Bellardiochloa variegata* 35.6, *Dactylorhiza insularis* 34.1, *Prunus prostrata* 32.0, *Juniperus communis* subsp. *alpina* 32.0, *Pinus nigra* subsp. *laricio* 29.7, *Arrhenatherum elatius* subsp. *sardoum* 23.2, *Berberis aetnensis* 21.5

Constant species: *Cerastium soleirolii* 83, *Thymus herba-barona* 67, *Pilosella kralikii* 33, *Carlina macrocephala* subsp. *macrocephala* 33, *Brimeura fastigiata* 33, *Deschampsia flexuosa* 33, *Anthyllis hermanniae* subsp. *corsica* 33, *Anthoxanthum odoratum* 33

Dominant species: *Juniperus communis* subsp. *alpina* 83, *Berberis aetnensis* 33, *Anthoxanthum odoratum* 33, *Prunus prostrata* 17, *Genista salzmanni* var. *salzmannii* 17, *Festuca rubra* subsp. *rubra* var. *rubra* 17, *Daphne oleoides* 17, *Bunium alpinum* subsp. *corydalinum* 17, *Brachypodium pinnatum* subsp. *rupestre* 17, *Deschampsia flexuosa* 17



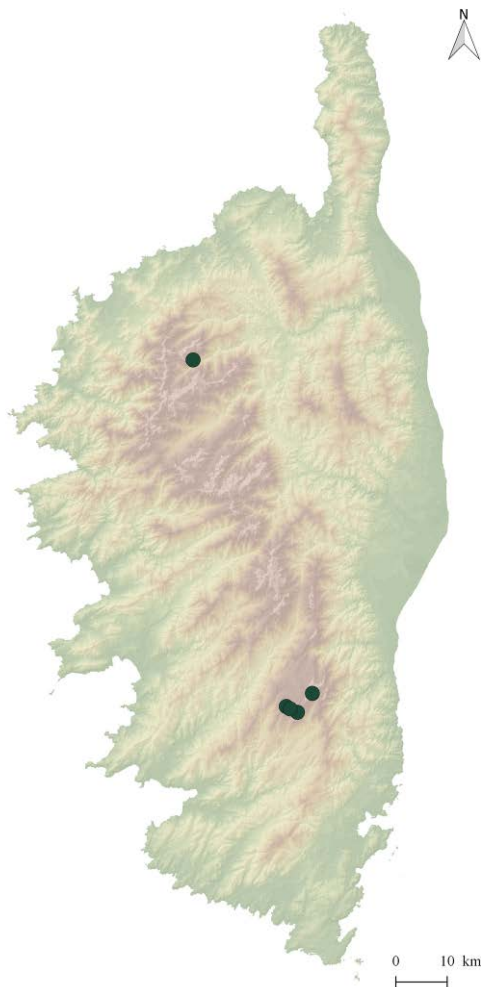
Pool 10: *Paronychio polygonifoliae*-*Armerietum multiceps* Gamisans 1977 *genistetosum lobelioidis* Gamisans 1977

Number of relevés: 5

Diagnostic species: *Draba verna* 74.4, *Brimeura fastigiata* 70.3, *Armeria multiceps* 70.0, *Allium schoenoprasum* 48.7, *Vulpia myuros* 43.5, *Sesamoides purpurascens* 43.5, *Myosotis pusilla* 43.5, *Gagea fragifera* 43.5, *Stellaria media* 36.9, *Bunium alpinum* subsp. *corydalinum* 33.5, *Cerastium glomeratum* 33.2, *Juniperus communis* subsp. *alpina* 32.0, *Lepidium hirtum* subsp. *oxyotum* 31.9, *Arabidopsis thaliana* 31.4, *Plantago sarda* 30.5, *Berberis aetnensis* 29.2, *Genista salzmannii* var. *lobelioides* 25.3, *Hypochaeris robertia* 25.1, *Silene vulgaris* 23.4, *Luzula pedemontana* 23.2

Constant species: *Cerastium soleirolii* 80, *Thymus herba-barona* 60, *Veronica verna* subsp. *brevistyla* 40, *Pilosella kralikii* 40, *Helleborus lividus* subsp. *corsicus* 40, *Anthyllis hermanniae* subsp. *corsica* 40, *Aira caryophyllea* 40

Dominant species: *Juniperus communis* subsp. *alpina* 80, *Genista salzmannii* var. *lobelioides* 40, *Scleranthus annuus* subsp. *annuus* 20, *Luzula pedemontana* 20, *Berberis aetnensis* 20, *Anthyllis hermanniae* subsp. *corsica* 20



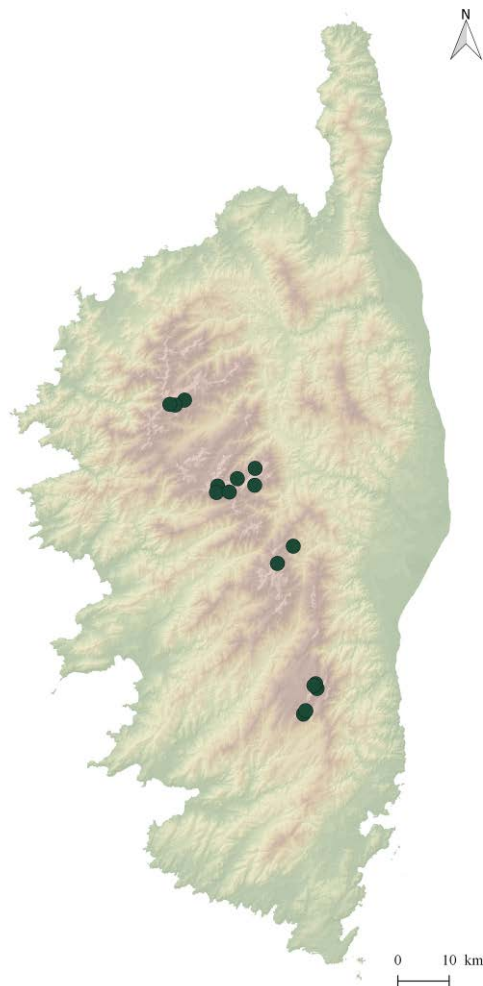
Pool 11: *Paronychio polygonifoliae*-*Armerietum multicepitis* Gamisans 1977 *genistetosum lobelioidis* Gamisans 1977

Number of relevés: 16

Diagnostic species: *Scleranthus burnatii* 64.9, *Veronica fruticans* 59.9, *Nardus stricta* 55.8, *Pilosella kralikii* 47.6, *Bellardiocloa variegata* 46.7, *Reseda phyteuma* subsp. *phyteuma* 46.6, *Trisetum gracile* subsp. *conradiae* 42.1, *Deschampsia flexuosa* 42.0, *Paronychia polygonifolia* 38.7, *Sedum brevifolium* 35.6, *Genista salzmannii* var. *lobelioides* 25.8, *Armeria multiceps* 24.9, *Sempervivum arachnoideum* 24.2, *Euphorbia corsica* 24.2, *Hypochaeris robertia* 22.3, *Juniperus communis* subsp. *alpina* 21.8, *Astragalus genargenteus* var. *greuteri* 20.9

Constant species: *Cerastium soleirolii* 75, *Thymus herba-barona* 56, *Stachys corsica* 38, *Hypochaeris cretensis* 38, *Carex caryophyllea* 38, *Brachypodium pinnatum* subsp. *rupestre* 38, *Bellium bellidioides* 31, *Arrhenatherum elatius* subsp. *sardoum* 31, *Galium corsicum* 25, *Anthyllis hermanniae* subsp. *corsica* 25

Dominant species: *Genista salzmannii* var. *lobelioides* 50, *Juniperus communis* subsp. *alpina* 25



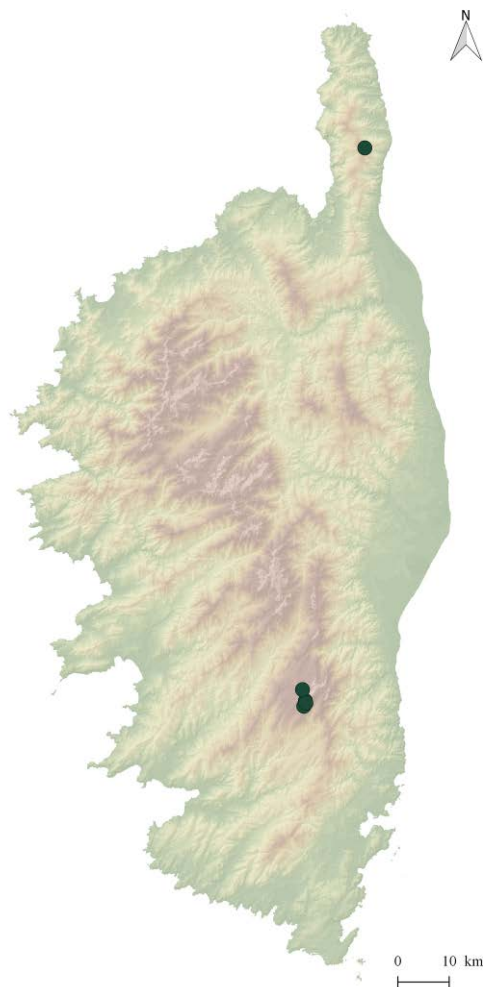
Pool 12: *Thymo herbae-baronae*-*Genistetum lobelioides* Gamisans 1989

Number of relevés: 6

Diagnostic species: *Orobanche rigens* 80.7, *Cuscuta epithymum* 79.7, *Cynosurus cristatus* 51.9, *Silene vulgaris* 48.8, *Pilosella officinarum* 47.9, *Lolium perenne* 44.6, *Filago minima* 42.5, *Aira caryophylla* 41.3, *Hypochaeris cretensis* 38.5, *Luzula campestris* 36.7, *Genista salzmannii* var. *lobelioides* 36.3, *Sedum brevifolium* 34.1, *Brachypodium pinnatum* subsp. *rupestre* 32.7, *Cerastium soleirolii* 26.9, *Festuca rubra* subsp. *rubra* var. *rubra* 26.7, *Thymus herba-barona* 25.0, *Anthyllis hermanniae* subsp. *corsica* 20.4

Constant species: *Juniperus communis* subsp. *alpina* 67, *Hypochaeris robertia* 67, *Helichrysum italicum* subsp. *italicum* 67, *Anthoxanthum odoratum* 67, *Veronica verna* subsp. *brevistyla* 33, *Stachys corsica* 33, *Rumex acetosella* subsp. *pyrenaicus* 33, *Poa nemoralis* subsp. *balbisii* 33, *Petrorhagia saxifraga* subsp. *gasparrinii* 33, *Lotus corniculatus* 33, *Jasione montana* subsp. *montana* 33, *Galium corsicum* 33, *Agrostis capillaris* subsp. *castellana* 33

Dominant species: *Genista salzmannii* var. *lobelioides* 100, *Anthyllis hermanniae* subsp. *corsica* 100, *Juniperus communis* subsp. *alpina* 67, *Aira caryophylla* 67, *Thymus herba-barona* 33, *Poa nemoralis* subsp. *balbisii* 33, *Brachypodium pinnatum* subsp. *rupestre* 33, *Veronica verna* subsp. *brevistyla* 17, *Stachys corsica* 17, *Lotus corniculatus* 17, *Jasione montana* subsp. *montana* 17, *Galium corsicum* 17



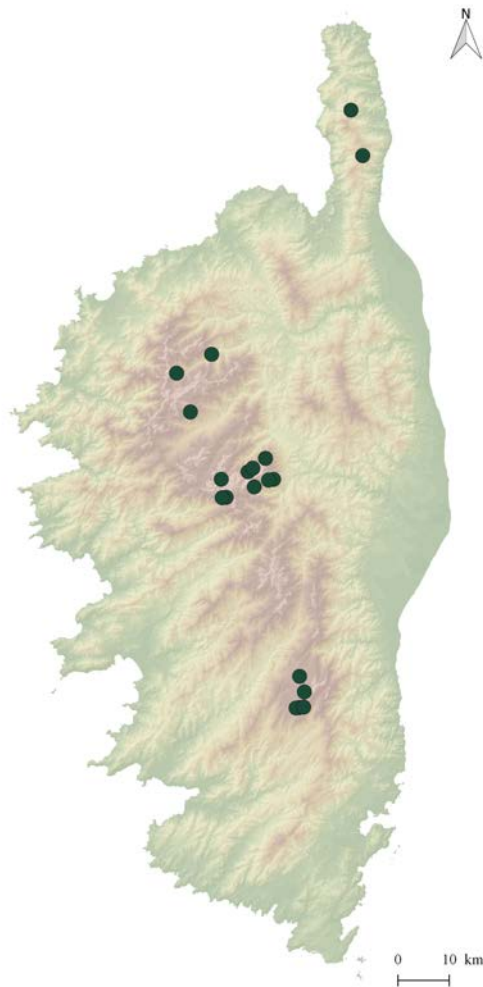
Pool 13: *Thymo herbae-baronae*-*Genistetum lobelioides* Gamisans 1989 *allietosum schoenoprasii* Gamisans 1989

Number of relevés: 19

Diagnostic species: *Brachypodium pinnatum* subsp. *rupestre* 48.3, *Genista salzmannii* var. *lobelioides* 44.6, *Pancreatum illyricum* 38.6, *Potentilla crassinervia* 31.5, *Anarrhinum corsicum* 31.5, *Micropyrum tenellum* 30.8, *Jasione montana* subsp. *montana* 30.0, *Rumex acetosella* subsp. *pyrenaicus* 28.6, *Stachys corsica* 26.6, *Filago minima* 24.9, *Verbascum thapsus* 22.2, *Thesium corsalpinum* 22.2, *Silene saxifraga* 22.2, *Santolina corsica* 22.2, *Rumex acetosa* 22.2, *Erica scoparia* 22.2, *Capsella bursa-pastoris* 22.2, *Acer monspessulanum* 22.2, *Allium schoenoprasum* 21.7, *Arrhenatherum elatius* subsp. *sardoum* 21.3, *Crepis bellidifolia* 20.1

Constant species: *Anthyllis hermanniae* subsp. *corsica* 84, *Thymus herba-barona* 74, *Galium corsicum* 68, *Bellium bellidioides* 68, *Cerastium soleirolii* 58, *Anthoxanthum odoratum* 58, *Aira caryophyllea* 53, *Silene vulgaris* 47, *Poa nemoralis* subsp. *balbisii* 47, *Teucrium marum* 42, *Juniperus communis* subsp. *alpina* 37, *Agrostis capillaris* subsp. *castellana* 37, *Veronica verna* subsp. *brevistyla* 26, *Lotus corniculatus* 26, *Helichrysum italicum* subsp. *italicum* 26, *Erica arborea* 26, *Crucianella angustifolia* 26, *Carex caryophyllea* 26, *Briza maxima* 26, *Deschampsia flexuosa* 26, *Viola riviniana* 21, *Sanguisorba minor* 21, *Carlina macrocephala* subsp. *macrocephala* 21

Dominant species: *Genista salzmannii* var. *lobelioides* 63, *Anthyllis hermanniae* subsp. *corsica* 47, *Bellium bellidioides* 42, *Brachypodium pinnatum* subsp. *rupestre* 37, *Allium schoenoprasum* 26, *Arrhenatherum elatius* subsp. *sardoum* 21, *Anthoxanthum odoratum* 21, *Thymus herba-barona* 16, *Silene vulgaris* 16, *Cerastium soleirolii* 16, *Aira caryophyllea* 16, *Teucrium marum* 11, *Rumex acetosella* subsp. *pyrenaicus* 11, *Poa nemoralis* subsp. *balbisii* 11, *Juniperus communis* subsp. *alpina* 11, *Helichrysum italicum* subsp. *italicum* 11, *Potentilla rupestris* 11



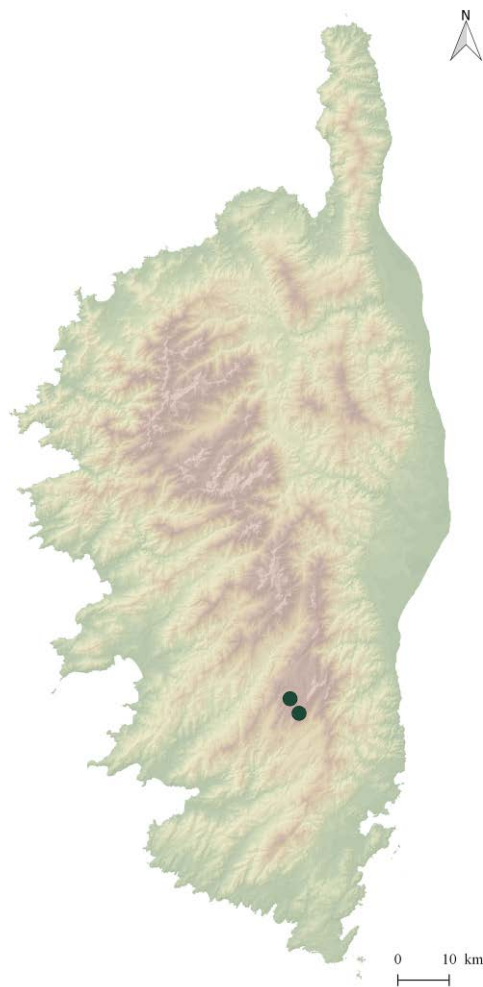
Pool 14: Transition communities between *Juniperetum nanae* Litardière & Malcuit 1926 and *Mulgedio-Aconitetea* Hadač & Klika in Klika & Hadač 1944 plant communities

Number of relevés: 2

Diagnostic species: *Ranunculus platanifolius* 100.0, *Poa trivialis* 100.0, *Dactylorhiza maculata* 100.0, *Cirsium vulgare* 100.0, *Aconitum napellus* subsp. *corsicum* 100.0, *Potentilla reptans* 97.4, *Carex leporina* 97.4, *Trifolium repens* var. *repens* 87.7, *Potentilla micrantha* 82.5, *Viola riviniana* 80.7, *Mutellina corsica* 79.9, *Saponaria ocymoides* subsp. *alsinoides* 73.5, *Cerastium diffusum* subsp. *diffusum* 67.6, *Helleborus lividus* subsp. *corsicus* 63.0, *Veronica verna* subsp. *brevistyla* 60.4, *Arrhenatherum elatius* subsp. *sardoum* 58.6, *Poa nemoralis* subsp. *balbisii* 55.7, *Lotus corniculatus* 46.5, *Berberis aetnensis* 40.9, *Hypochaeris cretensis* 38.5, *Galium corsicum* 36.9, *Bellium bellidioides* 35.9, *Anthoxanthum odoratum* 35.0, *Juniperus communis* subsp. *alpina* 32.0, *Cerastium soleirolii* 26.9

Constant species:

Dominant species: *Juniperus communis* subsp. *alpina* 100, *Arrhenatherum elatius* subsp. *sardoum* 100, *Aconitum napellus* subsp. *corsicum* 100, *Veronica verna* subsp. *brevistyla* 50, *Saponaria ocymoides* subsp. *alsinoides* 50, *Galium corsicum* 50, *Cerastium soleirolii* 50, *Carex ovalis* 50



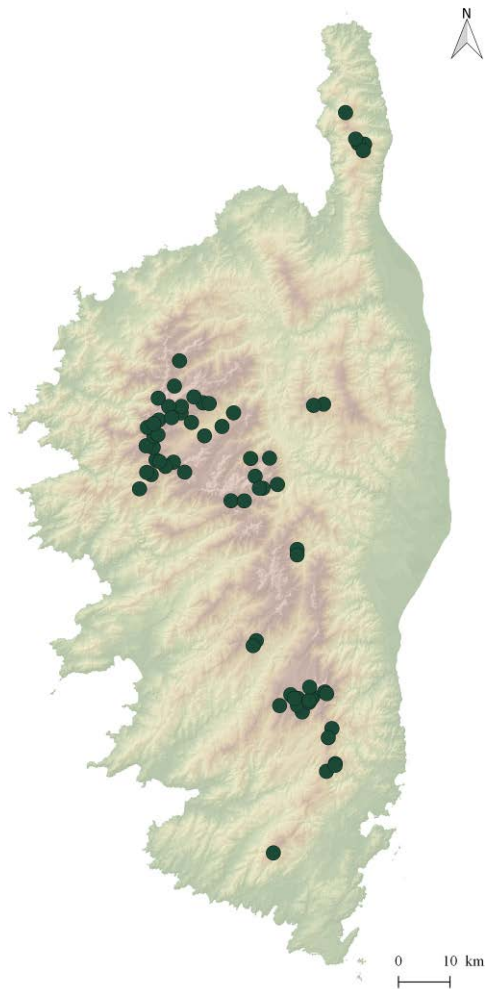
Pool 15: *Juniperetum nanae* Litardière & Malcuit 1926

Number of relevés: 67

Diagnostic species: *Odontites corsicus* 47.9, *Genista salzmannii* var. *lobelioides* 41.7, *Ruta corsica* 38.8, *Deschampsia flexuosa* 38.5, *Brachypodium pinnatum* subsp. *rupestre* 34.5, *Agrostis stolonifera* 32.0, *Vincetoxicum hirsutum* subsp. *contiguum* 29.4, *Viola reichenbachiana* 29.0, *Potentilla rupestris* 27.7, *Silene vulgaris* subsp. *vulgaris* 26.5, *Scleranthus annuus* subsp. *polycarpus* 26.5, *Agrostis capillaris* subsp. *castellana* 24.4, *Galium verum* subsp. *verum* 23.7, *Carlina macrocephala* subsp. *macrocephala* 23.0, *Veronica officinalis* 22.3, *Sesamoides interrupta* 20.5

Constant species: *Thymus herba-barona* 73, *Juniperus communis* subsp. *alpina* 72, *Anthyllis hermanniae* subsp. *corsica* 72, *Cerastium soleirolii* 63, *Berberis aetnensis* 58, *Bellium bellidioides* 58, *Pilosella kralikii* 43, *Hypochaeris robertia* 40, *Galium corsicum* 40, *Anthoxanthum odoratum* 37, *Stachys corsica* 33, *Petrorhagia saxifraga* subsp. *gasparrinii* 33, *Hypochaeris cretensis* 31, *Rumex acetosella* subsp. *pyrenaicus* 30, *Arrhenatherum elatius* subsp. *sardoum* 30, *Helleborus lividus* subsp. *corsicus* 28, *Cynosurus echinatus* 28, *Carex caryophyllea* 28, *Silene vulgaris* subsp. *vulgaris* 21, *Rosa serafinii* 21

Dominant species: *Genista salzmannii* var. *lobelioides* 54, *Juniperus communis* subsp. *alpina* 33, *Brachypodium pinnatum* subsp. *rupestre* 27, *Anthyllis hermanniae* subsp. *corsica* 18, *Thymus herba-barona* 12, *Deschampsia flexuosa* 10



Appendix S3. Expert system for the *Carici caryophylleae-Genistetea salzmannii* communities.

SECTION 1: Species aggregation

SECTION 1: End

SECTION 2: Species groups

##D +01 *Alysso_robertiani-Genistetum_salzmannii*

Alyssum robertianum
Anthyllis hermanniae
Anthoxanthum odoratum
Bellium bellidioides
Berberis aetnensis
Cerastium boissierianum
Dactylis glomerata
Euphorbia spinosa
Hypochaeris robertia
Luzula campestris
Morisia monanthos
Orchis mascula
Plantago lagopus
Rosa serafinii
Sagina subulata
Viola corsica subsp. *corsica*

##D +01 *Helichryso_italici-Genistetum_salzmannii_helichrysetosum_italici*

Aira cupaniana
Anthericum liliago
Anthyllis vulneraria subsp. *rubriflora*
Asphodelus ramosus
Asterolinon linum-stellatum
Brachypodium retusum
Buxus sempervirens
Cardamine plumieri
Carlina corymbosa
Cistus salviifolius
Dactylis glomerata subsp. *glomerata*
Dianthus sylvestris subsp. *longicaulis*
Erica arborea
Euphorbia spinosa
Filago arvensis
Genista corsica
Genista salzmannii var. *salzmannii*
Helianthemum aegyptiacum
Helichrysum italicum subsp. *italicum*
Linum trigynum
Peucedanum paniculatum
Plantago lanceolata
Polygala vulgaris subsp. *vulgaris*
Rumex bucephalophorus
Sedum caeruleum
Silene paradoxa
Teucrium capitatum subsp. *capitatum*
Teucrium marum
Thymus herba-barona

Trifolium campestre
Veronica montana

**##D +01 Helichryo_italici-Genistetum_salzmanni_cerastietosum
boissieriani**

Alyssum alyssoides
Anthoxanthum odoratum
Anthyllis hermanniae subsp. corsica
Asphodelus cerasiferus
Bellis perennis
Briza minor
Carlina macrocephala subsp. macrocephala
Cerastium boissierianum
Cruciata glabra
Cynosurus echinatus
Fragaria vesca
Galium rotundifolium
Geranium columbinum
Geranium molle
Helichrysum italicum subsp. italicum
Lotus corniculatus
Luzula forsteri
Neotinea lactea
Orchis provincialis
Parentucellia latifolia
Petrorhagia prolifera
Petrorhagia saxifraga subsp. gasparrinii
Poa bulbosa subsp. bulbosa
Polygala vulgaris subsp. vulgaris
Pteridium aquilinum
Rosa canina
Sanguisorba minor
Taraxacum fulviforme
Teucrium marum
Trifolium arvense
Trifolium campestre
Vicia sativa
Viola kitaibeliana
Viola parvula
Vulpia ciliata subsp. ciliata

##D +01 Ligusticetum_corsici

Acer pseudoplatanus
Agrostis rupestris
Alchemilla alpina
Alnus alnobetula subsp. suaveolens
Armeria multiceps
Decshampsia flexuosa
Chenopodium bonus-henricus
Cerastium soleirolii
Acinos corsicus
Digitalis purpurea
Euphrasia nana
Fagus sylvatica
Gagea soleirolii subsp. soleirolii
Galium cometorhizon

Geum montanum
Hieracium murorum
Hypochaeris robertia
Mutellina corsica
Luzula spicata subsp. italica
Nardus stricta
Noccaea brevistyla
Phleum pratense subsp. nodosum
Phyteuma serratum
Pilosella kralikii
Pilosella piloselloides subsp. praealta
Plantago sarda
Poa alpina
Poa nemoralis subsp. balbisii
Poa pratensis
Rumex acetosella subsp. pyrenaicus
Sagina pilifera
Saxifraga pedemontana subsp. cervicornis
Sedum alpestre
Sedum brevifolium
Stachys corsica

##D +01 Paronychio_polygonifoliae-Genistetum_lobelioides

Armeria multiceps
Astragalus genargenteus var. greuteri
Deschampsia flexuosa
Bellardiochloa variegata
Brachypodium pinnatum subsp. rupestre
Euphorbia corsica
Genista salzmännii var. lobelioides
Hypochaeris cretensis
Hypochaeris robertia
Juniperus communis subsp. alpina
Nardus stricta
Paronychia polygonifolia
Pilosella kralikii
Reseda phyteuma subsp. phyteuma
Scleranthus burnatii
Sedum brevifolium
Sempervivum arachnoideum
Stachys corsica
Thymus herba-barona
Trisetum gracile subsp. conradiae
Trisetum gracile
Veronica fruticans

##D +01 Thymo herbae-baronnae-Genistetum lobelioidis

Acer monspessulanum
Agrostis capillaris subsp. castellana
Aira caryophyllea
Allium schoenoprasum
Anarrhinum corsicum
Anthoxanthum odoratum
Anthyllis hermanniae subsp. corsica
Arrhenatherum elatius subsp. sardoum
Bellium bellidioides

Brachypodium pinnatum subsp. rupestre
Briza maxima
Capsella bursa-pastoris
Cerastium soleirolii
Crucianella angustifolia
Cuscuta epithymum
Cynosurus cristatus
Potentilla rupestris var. pygmaea corsica
Erica arborea
Erica scoparia
Festuca sardoa
Filago minima
Galium corsicum
Genista salzmännii var. lobelioides
Helichrysum italicum subsp. italicum
Hypochaeris cretensis
Hypochaeris glabra
Hypochaeris robertia
Jasione montana subsp. montana
Juniperus communis subsp. alpina
Lolium perenne
Micropyrum tenellum
Orobanche rigens
Pancratium illyricum
Pilosella officinarum
Poa nemoralis subsp. balbisii
Potentilla crassinervia
Rumex acetosa
Rumex acetosella subsp. pyrenaicus
Santolina corsica
Silene saxifraga
Silene vulgaris subsp. vulgaris
Stachys corsica
Teucrium marum
Thesium corsalpinum
Thymus herba-barona
Verbascum thapsus

##D +01 Thymo herbae-baronnae-Genistetum_allietosum_schoenoprasi

Acer monspessulanum
Allium schoenoprasum
Anarrhinum corsicum
Anthoxanthum odoratum
Anthyllis hermanniae subsp. corsica
Arrhenatherum elatius subsp. sardoum
Bellium bellidioides
Brachypodium pinnatum subsp. rupestre
Capsella bursa-pastoris
Cerastium soleirolii
Crepis bellidifolia
Crucianella angustifolia
Erica scoparia
Galium corsicum
Genista salzmännii var. lobelioides
Jasione montana subsp. montana
Micropyrum tenellum

Pancratium illyricum
Poa nemoralis subsp. balbisii
Potentilla crassinervia
Rumex acetosa
Rumex acetosella subsp. pyrenaicus
Santolina corsica
Silene saxifraga
Silene vulgaris subsp. vulgaris
Stachys corsica
Thesium corsalpinum
Thymus herba-barona
Verbascum thapsus

##D +01 Juniperetum_nanae

Agrostis capillaris subsp. castellana
Agrostis stolonifera
Anthoxanthum odoratum
Anthyllis hermanniae subsp. corsica
Arrhenatherum elatius subsp. sardoum
Deschampsia flexuosa
Bellium bellidioides
Berberis aetnensis
Brachypodium pinnatum subsp. rupestre
Carex caryophyllea
Carlina macrocephala subsp. macrocephala
Cerastium soleirolii
Potentilla rupestris
Galium corsicum
Galium verum subsp. verum
Genista salzmännii var. lobelioides
Hypochaeris robertia
Juniperus communis subsp. alpina
Odontites corsicus
Pilosella kralikii
Ruta corsica
Scleranthus annuus subsp. polycarpus
Sesamoides clusii
Silene vulgaris subsp. vulgaris
Thymus herba-barona
Veronica officinalis
Vincetoxicum hirundinaria
Viola reichenbachiana

##D +02 Plantaginion_insularis

Deschampsia flexuosa
Bellardiochloa variegata
Carex caryophyllea
Euphrasia nana
Luzula spicata subsp. italica
Nardus stricta
Pilosella kralikii
Plantago sarda
Poa alpina
Sagina pilifera
Sedum brevifolium

##D +02 Anthyllidion_hermanniae

Anthyllis hermanniae subsp. corsica
Thymus herba-barona
Petrohragia saxifraga
Rosa serafinii
Genista salzmännii var. lobelioides
Carlina macrocephala subsp. macrocephala
Brachypodium pinnatum subsp. rupestre
Juniperus communis subsp. alpina
Berberis aetnensis
Agrostis capillaris subsp. castellana
Bellium bellidioides
Bunium alpinum subsp. corydalinum
Cerastium boissierianum
Viola corsica
Potentilla micrantha

##D +03 Carici caryophylleae-Genistetee salzmännii

Anthyllis hermanniae subsp. corsica
Armeria multiceps
Astragalus genargenteus var. greuteri
Bellium bellidioides
Berberis aetnensis
Bupleurum falcatum subsp. corsicum
Cerastium boissierianum
Cerastium soleirolii
Acinos corsicus
Crepis bellidifolia
Crocus corsicus
Draba loiseleurii
Potentilla rupestris var. pygmaea
Euphrasia nana
Genista corsica
Genista salzmännii var. salzmännii
Genista salzmännii var. lobelioides
Hypochaeris cretensis
Juniperus communis subsp. alpina
Leucanthemopsis alpina subsp. tomentosa
Myosotis corsicana
Thlaspi brevistylum
Odontites corsicus
Peucedanum paniculatum
Pilosella kralikii
Pilosella soleiroliana
Poa nemoralis subsp. balbisii
Prunus prostrata
Ranunculus clethrophilus
Rosa serafinii
Ruta corsica
Saponaria ocymoides subsp. alsinoides
Sedum alpestre
Sempervivum montanum subsp. burnatii
Silene nodulosa
Stachys corsica
Tanacetum audibertii
Taraxacum litardierei

Teucrium marum subsp. marum
Thymus herba-barona
Trisetum gracile subsp. conradiae
Trisetum gracile
Veronica verna subsp. brevistyla
Viola Corsica subsp. corsica

##D +03 Cisto ladaniferi-Lavanduletea stoechadis

Alkanna stribrnyi
Anthemis cretica subsp. gerardiana
Armeria macrophylla
Armeria pinifolia
Armeria rouyana
Armeria velutina
Armeria villosa subsp. carratracensis
Astragalus gennarii
Calluna vulgaris
Centaurea alba subsp. tartesiana
Centaurea carratracensis
Centaurea hanryi subsp. shuttleworthii
Centaurea laureotica
Centaurea magistrorum
Centaurea paniculata subsp. esterellensis
Centaurea sagredoii
Cistus albidus
Cistus creticus subsp. creticus
Cistus crispus
Cistus ladanifer subsp. ladanifer
Cistus laurifolius
Cistus libanotis
Cistus monspeliensis
Cistus populifolius
Cistus salviifolius
Cistus X cyprius
Crepis leontodontoides
Cytinus hypocistis subsp. clusii
Cytinus hypocistis subsp. hypocistis
Cytinus hypocistis subsp. macranthus
Dianthus broteri
Dianthus multiceps subsp. multiaffinis
Dianthus pinifolius subsp. pinifolius
Erophaca baetica subsp. baetica
Eryngium dilatatum
Ferula arrigonii
Fumana juniperina
Galatella aragonensis
Genista bocchierii
Genista carinalis
Genista hirsuta subsp. hirsuta
Genista hirsuta subsp. lanuginosa
Genista umbellata subsp. equisetiformis
Glandora prostrata subsp. lusitanica
Halimium atriplicifolium subsp. serpentinicola
Halimium calycinum
Halimium halimifolium
Halimium verticillatum

Halimium viscosum
Hypericum australe
Hypericum olympicum
Iberis ciliata subsp. welwitschii
Klasea baetica subsp. baetica
Klasea baetica subsp. lusitanica var. sampaiana
Klasea integrifolia subsp. algarbiensis
Lavandula pedunculata
Lavandula stoechas subsp. luisieri
Lavandula stoechas subsp. stoechas
Nepeta foliosa
Odontarrhena euboea
Odontarrhena serpyllifolia
Odontites lanceolatus subsp. provincialis
Orobanche artemisiae-campestris
Scorzonera baetica
Sideritis lacaitae
Sideritis marianica
Sideritis paulii
Sideritis perezlarae
Silene paradoxa
Stachys angustifolia
Staehelina baetica
Stauracanthus genistoides
Stauracanthus spectabilis
Teucrium marum subsp. marum
Thymelaea lythroides
Thymus albicans subsp. albicans
Thymus albicans subsp. donyanae
Thymus camphoratus
Thymus capitellatus
Thymus leptophyllus subsp. leptophyllus
Thymus mastichina
Thymus teucrioides subsp. candilicus
Thymus zygis subsp. zygis
Ulex argenteus subsp. argenteus
Ulex argenteus subsp. eriocladius
Ulex australis subsp. australis
Ulex baeticus subsp. baeticus
Ulex borgiae
Ulex parviflorus subsp. parviflorus
Ulex subsericeus
Viola scorpiuroides
Allium scorzonerifolium
Anacamptis morio subsp. picta
Helicodiceros muscivorus
Iris suaveolens
Narcissus cernuus
Narcissus triandrus
Orchis olbiensis
Patzkea coerulescens

##D +03 Saginetea-piliferae

Agrostis castellana
Agrostis rupestris subsp. rupestris
Anthoxanthum odoratum

Avenella flexuosa subsp. corsica
Avenella flexuosa subsp. flexuosa
Bellardiochloa variegata
Carex caryophyllea
Carlina macrocephala
Erigeron paolii
Gagea soleirolii
Galium corsicum
Herniaria litardierei
Hypochaeris robertia
Ligusticum corsicum
Luzula spicata subsp. italica
Nardus stricta
Paronychia polygonifolia
Phleum pratense subsp. brachystachyum
Plantago subulata
Poa bulbosa subsp. bulbosa
Rumex acetosella
Sagina pilifera
Scleranthus perennis subsp. burnatii
Sesamoides pygmaea

#TC Trees

Abies alba
Acer monspessulanum
Acer pseudoplatanus
Acer campestre
Acer opalus
Acer obtusatum
Acer platanoides
Alnus glutinosa
Alnus cordata
Betula pendula
Buxus sempervirens
Castanea sativa
Cedrus atlantica
Coryllus avellana
Larix decidua
Erica arborea
Fagus sylvatica
Fraxinus excelsior
Fraxinus ornus subsp. ornus
Juglans regia
Malus sylvestris
Morus alba
Olea europaea
Ostrya carpinifolia
Picea abies
Pinus nigra subsp. laricio
Pinus pinaster
Pinus uncinata
Pyracantha coccinea
Pyrus spinosa
Pyrus communis
Quercus robur
Quercus petraea

Quercus pubescens
Quercus ilex
Quercus suber
Rosa glauca
Rosa micrantha
Rosa serafinii
Rosa agrestis
Rosa canina
Rosa pouzinii
Rosa corymbifera
Sorbus aucuparia subsp. praemorsa
Sorbus domestica

#TC Shrubs

Alnus alnobetula subsp. suaveolens
Amelanchier ovalis
Corylus avellana
Calluna vulgaris
Calicotome spinosa
Calicotome villosa
Bupleurum fruticosum
Cotoneaster integerrimus
Crataegus monogyna
Crataegus laevigata
Cytisus scoparius
Cytisus villosus
Erica arborea
Erica scoparia
Erica terminalis
Ficaria fascicularis
Frangula alnus
Genista salzmannii var. salzmannii
Genista salzmannii var. lobelioides
Juniperus oxycedrus subsp. oxycedrus
Juniperus communis subsp. alpina
Laburnum anagyroides
Phillyrea angustifolia
Phillyrea latifolia
Pteridium aquilinum
Prunus spinosa
Prunus prostrata
Prunus armeniaca
Prunus dulcis
Prunus persica
Prunus mahaleb
Prunus laurocerasus
Prunus avium
Prunus cerasus
Prunus domestica
Myrtus communis subsp. communis
Pistacia lentiscus
Pyrus spinosa
Pyrus communis
Solanum dulcamara
Solanum nigrum
Malus pumila

Robinia pseudoacacia
Rhamnus alaternus
Rhamnus alpina subsp. alpina
Ulmus glabra
Rubus idaeus
Rubus canescens
Rubus hirtus aggr.
Rubus cinerascens
Rubus macrophyllus
Rubus ulmifolius
Rubus geniculatus
Salix cinerea
Salix pseudomedemii
Spartium junceum
Taxus baccata
Sambucus nigra
Vaccinium myrtillus

#TC dwarf-shrubs

Thymus herba-barona
Cistus creticus
Cistus salviifolius
Cistus monspeliensis
Daphne gnidium
Daphne oleoides
Daphne alpina
Daphne laureola
Lavandula stoechas subsp. stoechas
Genista corsica
Prunus prostrata
Daphne oleoides
Astragalus genargenteus var. greuteri
Rhamnus alpina
Vaccinium myrtillus
Helichrysum italicum subsp. italicum
Genista salzmannii var. salzmannii
Anthyllis hermanniae
Juniperus communis subsp. alpina
Berberis aetnensis
Genista salzmannii var. lobelioides
Rosa serafinii
Rosmarinus officinalis
Ruscus aculeatus
Ruta corsica
Ruta graveolens
Stachys glutinosa
Teucrium capitatum subsp. capitatum
Teucrium marum
Vaccinium myrtillus

SECTION 2: End

SECTION 3: Group definitions

6 GA Alysso robertiani-Genistetum salzmannii
<##Q +01 Alysso_robertiani-Genistetum_salzmannii> NOT <#TC Trees GR
05>

6 HGH Helichryso_italici-
Genistetum_salzmännii_helichrysetosum_italici
<##Q +01 Helichryso_italici-
Genistetum_salzmännii_helichrysetosum_italici> NOT <#TC Trees GR 05>

6 HGC Helichryso_italici-
Genistetum_salzmännii_cerastietosum_boissieriani
<##Q +01 Helichryso_italici-Genistetum_salzmännii_cerastietosum
boissieriani> NOT <#TC Trees GR 05>

6 LC Ligusticetum_corsici
<##Q +01 Ligusticetum_corsici> NOT ((<#TC Trees GR 05> OR <#TC
Shrubs GR 05>) OR <#TC dwarf-shrubs GR 05>)

6 PAG Paronychio_polygonifoliae-Genistetum_lobelioides
<##Q +01 Paronychio_polygonifoliae-Genistetum_lobelioides> NOT <#TC
Trees GR 05>

6 TG Thymo_herbae-baronae-Genistetum_lobelioidis
<##Q +01 Thymo_herbae-baronae-Genistetum_lobelioidis> NOT <#TC
Trees GR 05>

6 TGA Thymo_herbae-baronae-
Genistetum_allietosum_schoenopراسي
<##D +01 Thymo_herbae-baronae-Genistetum_allietosum_schoenopراسي>
NOT <#TC Trees GR 05>

6 JN Juniperetum_nanae
<##Q +01 Juniperetum_nanae> NOT <#TC Trees GR 05>

5 PI Plantaginion_insularis
<##Q +02 Plantaginion_insularis> NOT ((<#TC Trees GR 05> OR <#TC
Shrubs GR 05>) OR <#TC dwarf-shrubs GR 05>)

5 AH Anthyllidion_hermanniae
<##Q +02 Anthyllidion_hermanniae> NOT <#TC Trees GR 05>

4 GEN Carici_caryophylleae-Genistetea_salzmännii
<##Q +03 Carici_caryophylleae-Genistetea_salzmännii> NOT <#TC Trees
GR 05>

4 PIL Saginetea_piliferae
<##Q +03 Saginetea_piliferae> NOT ((<#TC Trees GR 05> OR <#TC Shrubs
GR 05>) OR <#TC dwarf-shrubs GR 05>)

4 LAV Cisto_ladaniferi-Lavanduletea_stoechadis
<##Q +03 Cisto_ladaniferi-Lavanduletea_stoechadis> NOT ((<#TC Trees
GR 05> OR <#TC Shrubs GR 05>) OR <#TC dwarf-shrubs GR 05>)

SECTION 3: End

Appendix S4. Confusion matrix between the TWINSPAN pools and the plant associations for which formal definitions were developed by our expert system.

Plant associations		Expert system prediction						No. of plots	Accuracy (%)	
		Ag	Hg	Lc	Pg	Tg	Jn			
TWINSPAN analysis	<i>Alyso robertiani-Genistetum salzmannii</i>	Ag	12					12	100	
	<i>Helichryso italici-Genistetum salzmannii</i>	Hg		43			1	44	98	
	<i>Ligusticetum corsici</i>	Lc			8			8	100	
	<i>Paronychio polygonifoliae-Genistetum lobelioidis</i>	Pg				19	2	21	90	
	<i>Thymo herbae-baronae-Genistetum lobelioidis</i>	Tg					22	3	25	88
	<i>Juniperetum nanae</i>	Jn		2			1	64	67	96

Appendix S5. Diagnostic, constant and dominant species for plant communities classified by the expert system. The lists of alliances, order and classes were obtained after merging plant communities belonging to the same syntaxon. The numbers reported for diagnostic species are fidelity values, those for constant species are percentage frequencies, and those for dominant species are percentage frequencies of occurrences with coverage greater than 10.

***Carici caryophylleae-Genistetea salzmannii* Klein 1972 corr.**

Diagnostic species: *Anthyllis hermanniae* subsp. *corsica* 71.8, *Juniperus communis* subsp. *alpina* 57.7, *Cerastium soleirolii* 56.5, *Bellium bellidioides* 56.1, *Genista salzmannii* var. *lobelioides* 52.4, *Deschampsia flexuosa* 51.2, *Hypochaeris robertia* 49.1, *Galium corsicum* 47.0, *Brachypodium pinnatum* subsp. *rupestre* 44.0, *Pilosella kralikii* 42.3, *Genista salzmannii* var. *salzmannii* 40.1, *Carex caryophyllea* 40.1, *Rumex acetosella* subsp. *pyrenaicus* subsp. *pyrenaicus* 39.6, *Aira caryophyllea* 39.2, *Hypochaeris cretensis* 37.8, *Agrostis capillaris* subsp. *castellana* 37.3, *Silene vulgaris* subsp. *vulgaris* 35.5, *Arrhenatherum elatius* subsp. *sardoum* 34.0, *Teucrium marum* 32.0, *Sedum brevifolium* 32.0, *Rosa serafinii* 32.0, *Erica arborea* 32.0, *Helleborus lividus* subsp. *corsicus* 31.0, *Bellardiochloa variegata* 27.3, *Poa nemoralis* subsp. *balbisii* 26.7, *Rumex acetosa*, 26.1, *Veronica verna* subsp. *brevistyla* 25.5, *Polygala vulgaris* subsp. *vulgaris* 25.5, *Nardus stricta* 25.5, *Jasione montana* subsp. *montana* 25.5, *Plantago lanceolata* 24.9, *Ruta corsica* 24.3, *Odontites corsicus* 24.3, *Saponaria ocymoides* subsp. *alsinoides* 23.7, *Armeria multiceps* 23.1, *Buxus sempervirens* 22.4, *Allium schoenoprasum* 22.4, *Potentilla rupestris* 20.4

Constant species: *Anthyllis hermanniae* subsp. *corsica* 68, *Thymus herba-barona* 65, *Juniperus communis* subsp. *alpina* 50, *Cerastium soleirolii* 48, *Bellium bellidioides* 48, *Genista salzmannii* var. *lobelioides* 43, *Deschampsia flexuosa* 41

Dominant species: *Juniperus communis* subsp. *alpina* 16, *Genista salzmannii* var. *lobelioides* 14

***Carici caryophylleae-Genistetalia salzmannii* Klein 1972 corr.**

Diagnostic species: *Anthyllis hermanniae* subsp. *corsica* 74.0, *Thymus herba-barona* 72.2, *Genista salzmannii* var. *lobelioides* 53.7, *Brachypodium pinnatum* subsp. *rupestre* 45.0, *Genista salzmannii* var. *salzmannii* 41.0, *Carex caryophyllea* 41.0, *Aira caryophyllea* 40.0, *Bellium bellidioides* 39.7, *Hypochaeris cretensis* 38.6, *Agrostis capillaris* subsp. *castellana* 38.2, *Petrorhagia saxifraga* subsp. *gasparrinii* 36.2, *Cynosurus echinatus* 34.7, *Arrhenatherum elatius* subsp. *sardoum* 34.7, *Teucrium marum* 32.7, *Rosa serafinii* 32.7, *Erica arborea* 32.7, *Cerastium boissierianum* 32.7, *Helleborus lividus* subsp. *corsicus* 31.7, *Anthoxanthum odoratum* 31.0, *Lotus corniculatus* 30.1, *Galium corsicum* 28.4, *Berberis aetnensis* 28.4, *Sanguisorba minor* 27.8, *Rumex acetosella* subsp. *pyrenaicus* 26.6, *Juniperus communis* subsp. *alpina* 26.6, *Brachypodium pinnatum* subsp. *rupestre* 26.6, *Veronica verna* subsp. *brevistyla* 26.0, *Polygala vulgaris* subsp. *vulgaris* 26.0, *Jasione montana* subsp. *montana* 26.0, *Plantago lanceolata* 25.4, *Viola corsica* subsp. *corsica* 24.8, *Ruta corsica* 24.8, *Odontites corsicus* 24.8, *Saponaria ocymoides* subsp. *alsinoides* 24.2, *Brachypodium retusum* 23.5, *Buxus sempervirens* 22.9, *Crocus corsicus* 22.2, *Teesdalia coronopifolia* 21.5, *Euphorbia spinosa* 21.5, *Potentilla rupestris* 20.8, *Teucrium capitatum* subsp. *capitatum* 20.1, *Silene nodulosa* 20.1, *Pteridium aquilinum* 20.1, *Daphne oleoides* 20.1, *Dactylis glomerata* subsp. *glomerata* 20.1, *Cerastium diffusum* subsp. *diffusum* 20.1

Constant species: *Anthyllis hermanniae* subsp. *corsica* 71, *Thymus herba-barona* 69, *Juniperus communis* subsp. *alpina* 51, *Bellium bellidioides* 49, *Cerastium soleirolii* 46, *Genista salzmannii* var. *lobelioides* 45

Dominant species: *Juniperus communis* subsp. *alpina* 17, *Genista salzmannii* var. *lobelioides* 15

***Genistion salzmannii* Delbosc, Bioret & Panaïotis in Delbosc et al. 2021**

Diagnostic species: *Cerastium boissierianum* 68.1, *Erica arborea* 59.5, *Helichrysum italicum* subsp. *italicum* 49.9, *Genista salzmannii* var. *salzmannii* 49.0, *Anthyllis hermanniae* subsp. *corsica* 47.8, *Brachypodium retusum* 46.4, *Buxus sempervirens* 44.9, *Teesdalia coronopifolia* 44.6, *Polygala vulgaris* subsp. *vulgaris* 44.6, *Viola corsica* subsp. *corsica* 44.1, *Teucrium marum* 43.5, *Teucrium capitatum* subsp. *capitatum* 41.4, *Dactylis glomerata* subsp. *glomerata* 41.4, *Vulpia ciliata* subsp. *ciliata* 39.8, *Carlina corymbosa* 39.8, *Sanguisorba minor* 39.0, *Euphorbia spinosa* 38.8, *Linum trigynum* 38.1, *Morisia monanthos* 36.4, *Alyssum robertianum* 34.9, *Carex halleriana* subsp. *corsica* 34.6, *Rosa serafinii* 33.8, *Genista corsica* 32.7, *Aira caryophyllea* 32.7, *Plantago lanceolata* 32.0, *Crocus corsicus* 31.5, *Dianthus sylvestris* subsp. *longicaulis* 31.1, *Trifolium campestre* 30.8, *Thymus herba-barona* 29.6, *Trifolium arvense* 28.7, *Bellis perennis* 28.7, *Scleranthus annuus* subsp. *annuus* 27.4, *Peucedanum paniculatum* 27.4, *Lotus corniculatus* 27.4, *Sherardia arvensis* 26.8, *Luzula forsteri* 26.5, *Filago vulgaris* 26.5, *Brizia minor* 26.5, *Asphodelus cerasiferus* 26.5, *Cynosurus echinatus* 25.7, *Cerastium diffusum* subsp. *diffusum* 25.3, *Carex caryophyllea* 24.5, *Petrorhagia prolifera* 24.1, *Anthyllis vulneraria* subsp. *rubriflora* 24.1, *Bunium alpinum* subsp. *corydalinum* 22.6, *Pteridium aquilinum* 21.8, *Sedum album* 21.5, *Plantago lagopus* 21.5, *Gagea bohemica* 21.5, *Petrorhagia saxifraga* subsp. *gasparrinii* 21.1

Constant species: *Anthyllis hermanniae* subsp. *corsica* 83, *Thymus herba-barona* 66, *Cerastium boissierianum* 58, *Helichrysum italicum* subsp. *italicum* 56, *Genista salzmannii* var. *salzmannii* 53, *Erica arborea* 51, *Bellium bellidioides* 51, *Anthoxanthum odoratum* 44, *Teucrium marum* 39, *Aira caryophyllea* 39, *Carex caryophyllea* 34, *Rosa serafinii* 32, *Polygala vulgaris* subsp. *vulgaris* 32, *Bunium alpinum* subsp. *corydalinum* 32, *Viola corsica* subsp. *corsica* 31, *Sanguisorba minor* 31, *Brachypodium retusum* 31, *Galium corsicum* 29, *Cynosurus echinatus* 29, *Carlina macrocephala* subsp. *macrocephala* 29, *Buxus sempervirens* 29, *Teesdalia coronopifolia* 27, *Petrorhagia saxifraga* subsp. *gasparrinii* 27, *Lotus corniculatus* 25, *Teucrium capitatum* subsp. *capitatum* 24, *Plantago lanceolata* 24, *Hypochaeris robertia* 24, *Euphorbia spinosa* 24, *Dactylis glomerata* subsp. *glomerata* 24, *Vulpia ciliata* subsp. *ciliata* 22, *Carlina corymbosa* 22, *Bromus hordeaceus* subsp. *hordeaceus* 22

Dominant species: *Anthyllis hermanniae* subsp. *corsica* 34, *Genista salzmannii* var. *salzmannii* 25, *Thymus herba-barona* 24, *Erica arborea* 22, *Buxus sempervirens* 20, *Berberis aetnensis* 17, *Helichrysum italicum* subsp. *italicum* 14, *Teucrium marum* 12, *Crocus corsicus* 12, *Bunium alpinum* subsp. *corydalinum* 12, *Brachypodium retusum* 12, *Euphorbia spinosa* 10

***Alyso robertiani-Genistetum salzmännii* Ro. Molinier 1959 nom. invers.**

Diagnostic species: *Carex halleriana* subsp. *corsica* 90.5, *Crocus corsicus* 90.4, *Teesdalia coronopifolia* 84.7, *Morisia monanthos* 80.6, *Viola corsica* subsp. *corsica* 80.3, *Cerastium boissierianum* 67.5, *Cerastium diffusum* subsp. *diffusum* 56.6, *Plantago lagopus* 55.7, *Gagea bohemica* 55.7, *Genista salzmännii* var. *salzmännii* 53, *Bunium alpinum* subsp. *corydalinum* 47.4, *Sagina subulata* 45.1, *Teucrium capitatum* subsp. *capitatum* 41.6, *Berberis aetnensis* 41.5, *Bellium bellidioides* 39.5, *Rumex acetosella* subsp. *pyrenaicus* 38.9, *Alyssum robertianum* 37.0, *Brachypodium retusum* 34.9, *Rosa serafinii* 29.7, *Euphorbia spinosa* 29.2, *Orchis mascula* 29.1, *Erica arborea* 27.3, *Sherardia arvensis* 26.1, *Luzula campestris* 24.7, *Dactylis glomerata* subsp. *glomerata* 23.2, *Buxus sempervirens* 20.2

Constant species: *Crocus corsicus* 100, *Cerastium boissierianum* 100, *Bunium alpinum* subsp. *corydalinum* 100, *Viola corsica* subsp. *corsica* 92, *Thymus herba-barona* 92, *Teesdalia coronopifolia* 92, *Berberis aetnensis* 92, *Bellium bellidioides* 92, *Carex halleriana* subsp. *corsica* 83, *Morisia monanthos* 75, *Cerastium diffusum* subsp. *diffusum* 58, *Rumex acetosella* subsp. *pyrenaicus* 50, *Erica arborea* 50, *Anthyllis hermanniae* subsp. *corsica* 50, *Teucrium capitatum* subsp. *capitatum* 42, *Rosa serafinii* 42, *Helichrysum italicum* subsp. *italicum* 42, *Brachypodium retusum* 42, *Anthoxanthum odoratum* 42, *Plantago lagopus* 33, *Alyssum robertianum* 33, *Hypochaeris robertia* 33, *Gagea bohemica* 33, *Euphorbia spinosa* 33, *Sherardia arvensis* 25, *Sagina subulata* 25, *Orchis mascula* 25, *Luzula campestris* 25, *Dactylis glomerata* subsp. *glomerata* 25, *Buxus sempervirens* 25

Dominant species: *Berberis aetnensis* 83, *Genista salzmännii* var. *salzmännii* 65, *Crocus corsicus* 58, *Bunium alpinum* subsp. *corydalinum* 58, *Thymus herba-barona* 50, *Teesdalia coronopifolia* 42, *Morisia monanthos* 42, *Carex halleriana* subsp. *corsica* 25, *Euphorbia spinosa* 17, *Anthyllis hermanniae* subsp. *corsica* 17

***Helichryso italici-Genistetum salzmännii* Gamisans 1977**

Diagnostic species: *Polygala vulgaris* subsp. *vulgaris* 53.3, *Vulpia ciliata* subsp. *ciliata* 50.4, *Carlina corymbosa* 50.4, *Linum trigynum* 48.3, *Sanguisorba minor* 43.0, *Genista corsica* 41.7, *Dianthus sylvestris* subsp. *longicaulis* 40.0, *Teucrium marum* 39.8, *Trifolium campestre* 39.3, *Plantago lanceolata* 37.2, *Trifolium arvense* 36.7, *Bellis perennis* 36.7, *Erica arborea* 36.3, *Buxus sempervirens* 34.4, *Luzula forsteri* 33.9, *Filago vulgaris* 33.9, *Briza minor* 33.9, *Asphodelus cerasiferus* 33.9, *Petrorhagia prolifera* 30.9, *Anthyllis vulneraria* subsp. *rubriflora* 30.9, *Pteridium aquilinum* 30.5, *Helichrysum italicum* subsp. *italicum* 30.1, *Cerastium boissierianum* 28.9, *Genista salzmännii* var. *salzmännii* 28.6, *Dactylis glomerata* subsp. *glomerata* 28.3, *Sedum album* 27.6, *Cynosurus echinatus* 27.2, *Carex caryophyllea* 27.2, *Anthyllis hermanniae* subsp. *corsica* 25.6, *Bromus hordeaceus* subsp. *hordeaceus* 24.6, *Brachypodium retusum* 24.6, *Silene paradoxa* 23.9, *Rumex bucephalophorus* 23.9, *Ranunculus bulbosus* 23.9, *Petrorhagia velutina* 23.9, *Petrorhagia saxifraga* subsp. *gasparrinii* 23.4, *Rosa serafinii* 22.6, *Lotus corniculatus* 22.2, *Carlina macrocephala* subsp. *macrocephala* 20.8, *Silene nodulosa* 20.5

Constant species: *Anthyllis hermanniae* subsp. *corsica* 91, *Genista salzmännii* var. *salzmännii* 66, *Thymus herba-barona* 60, *Helichrysum italicum* subsp. *italicum* 60, *Erica arborea* 51, *Teucrium marum* 49, *Aira caryophyllea* 49, *Cerastium boissierianum* 47, *Anthoxanthum odoratum* 45, *Carex caryophyllea* 43

Dominant species: *Buxus sempervirens* 17, *Anthyllis hermanniae* subsp. *corsica* 15, *Teucrium marum* 9, *Genista salzmännii* var. *salzmännii* 9, *Erica arborea* 9, *Thymus herba-barona* 6, *Genista corsica* 6, *Brachypodium retusum* 6, *Cistus salviifolius* 4, *Carex caryophyllea* 2, *Brachypodium pinnatum* subsp. *rupestre* 2, *Anthoxanthum odoratum* 2

***Helichryso italici-Genistetum salzmännii* Gamisans 1977 *helichrysetosum italici* Gamisans 1975 (Hgh)**

Diagnostic species: *Linum trigynum* 54.1, *Buxus sempervirens* 52.8, *Dianthus sylvestris* subsp. *longicaulis* 49.2, *Carlina corymbosa* 45.0, *Anthyllis vulneraria* subsp. *rubriflora* 42.9, *Genista corsica* 42.8, *Brachypodium retusum* 37.5, *Genista salzmännii* var. *salzmännii* 33.6, *Teucrium marum* 33.1, *Silene paradoxa* 33.1, *Polygala vulgaris* subsp. *vulgaris* 31.0, *Plantago lanceolata* 29.5, *Erica arborea* 29.0, *Euphorbia spinosa* 27.6, *Dactylis glomerata* subsp. *glomerata* 27.1, *Sedum album* 27.0, *Rubia peregrina* 26.9, *Prunella laciniata* 26.9, *Lilium bulbiferum* 26.9, *Hypericum perforatum* 26.9, *Galium parisiense* 26.9, *Cistus salviifolius* 26.9, *Cardamine plumieri* 26.9, *Anthericum liliago* 26.9, *Anthemis arvensis* 26.9, *Carex caryophyllea* 26.5, *Polygala pedemontana* 24.5, *Alyssum robertianum* 24.2, *Crataegus monogyna* 20.8, *Rumex bucephalophorus* 20.2

Constant species: *Anthyllis hermanniae* subsp. *corsica* 84, *Genista salzmännii* var. *salzmännii* 80, *Thymus herba-barona* 60, *Teucrium marum* 52, *Helichrysum italicum* subsp. *italicum* 52, *Erica arborea* 52, *Buxus sempervirens* 52, *Carex caryophyllea* 48, *Brachypodium retusum* 44, *Linum trigynum* 40, *Cerastium boissierianum* 40, *Polygala vulgaris* subsp. *vulgaris* 36, *Hypochaeris robertia* 36, *Carlina corymbosa* 36, *Bellium bellidioides* 36, *Aira caryophyllea* 36, *Plantago lanceolata* 32, *Euphorbia spinosa* 32, *Dianthus sylvestris* subsp. *longicaulis* 32, *Viola corsica* subsp. *corsica* 28, *Sanguisorba minor* 28, *Hypochaeris cretensis* 28, *Genista corsica* 28, *Dactylis glomerata* subsp. *glomerata* 28, *Bunium alpinum* subsp. *corydalinum* 28, *Teucrium capitatum* subsp. *capitatum* 24, *Rosa serafinii* 24, *Alyssum robertianum* 24, *Galium corsicum* 24

Dominant species: *Genista salzmännii* var. *salzmännii* 52, *Anthyllis hermanniae* subsp. *corsica* 48, *Buxus sempervirens* 44, *Erica arborea* 40, *Thymus herba-barona* 28, *Brachypodium retusum* 24, *Teucrium marum* 20, *Helichrysum italicum* subsp. *italicum* 16, *Genista corsica* 12, *Euphorbia spinosa* 12

***Helichryso italici-Genistetum salzmännii* Gamisans 1975 *cerastietosum boissieri* Gamisans 1975 (Hgc)**

Diagnostic species: *Carlina macrocephala* subsp. *macrocephala* 52.0, *Pteridium aquilinum* 51.6, *Vulpia ciliata* subsp. *ciliata* 50.7, *Luzula forsteri* 50.2, *Asphodelus cerasiferus* 50.2, *Trifolium arvense* 46.2, *Bellis perennis* 46.2, *Sanguisorba minor* 43.4, *Trifolium campestre* 42.9, *Bromus hordeaceus* subsp. *hordeaceus* 42.7, *Cynosurus echinatus* 42.6, *Polygala vulgaris* subsp.

vulgaris 41.9, *Briza minor* 41.4, *Poa bulbosa* subsp. *bulbosa* 36.4, *Petrorhagia prolifera* 36.1, *Lotus corniculatus* 34.7, *Petrorhagia saxifraga* subsp. *gasparrinii* 33.3, *Filago vulgaris* 32.5, *Helichrysum italicum* subsp. *italicum* 30.7, *Helleborus lividus* subsp. *corsicus* 30.5, *Cerastium boissierianum* 29.4, *Anthyllis hermanniae* subsp. *corsica* 27.7, *Erica arborea* 27.3, *Teucrium marum* 27.1, *Vicia sativa* 26.4, *Anthoxanthum odoratum* 26.2, *Rosa serafinii* 24.3, *Plantago lanceolata* 23.7, *Aira caryophyllea* 23.7, *Ranunculus bulbosus* 22.8, *Petrorhagia velutina* 22.8, *Trifolium repens* var. *repens* 21.4, *Veronica verna* subsp. *brevistyla* 21.1, *Viola parvula* 20.3, *Viola kitaibeliana* 20.3, *Taraxacum fulviforme* 20.3, *Rosa canina* 20.3, *Parentucellia latifolia* 20.3, *Orchis provincialis* 20.3, *Neotinea lactea* 20.3, *Geranium molle* 20.3, *Geranium columbinum* 20.3, *Galium rotundifolium* 20.3, *Fragaria vesca* 20.3, *Alyssum alyssoides* 20.3

Constant species: *Anthyllis hermanniae* subsp. *corsica* 100, *Carlina macrocephala* subsp. *macrocephala* 77, *Anthoxanthum odoratum* 73, *Helichrysum italicum* subsp. *italicum* 68, *Aira caryophyllea* 64, *Thymus herba-barona* 59, *Cynosurus echinatus* 59, *Cerastium boissierianum* 55, *Sanguisorba minor* 50, *Petrorhagia saxifraga* subsp. *gasparrinii* 50, *Lotus corniculatus* 50, *Genista salzmannii* var. *salzmannii* 50, *Galium corsicum* 50, *Erica arborea* 50, *Bromus hordeaceus* subsp. *hordeaceus* 50, *Teucrium marum* 45, *Rumex acetosella* subsp. *pyrenaicus* 45, *Polygala vulgaris* subsp. *vulgaris* 45, *Bellium bellidioides* 45, *Vulpia ciliata* subsp. *ciliata* 41, *Poa bulbosa* subsp. *bulbosa* 41, *Helleborus lividus* subsp. *corsicus* 41, *Veronica verna* subsp. *brevistyla* 36, *Rosa serafinii* 36, *Pteridium aquilinum* 36, *Juniperus communis* subsp. *alpina* 36, *Carex caryophyllea* 36, *Pilosella kralikii* 32, *Trifolium campestre* 27, *Trifolium arvense* 27, *Plantago lanceolata* 27, *Luzula forsteri* 27, *Jasione montana* subsp. *montana* 27, *Bellis perennis* 27, *Asphodelus cerasiferus* 27, *Briza minor* 23

Dominant species: *Anthyllis hermanniae* subsp. *corsica* 27, *Helichrysum italicum* subsp. *italicum* 18, *Juniperus communis* subsp. *alpina* 14

***Plantaginion insularis* Klein 1972**

Diagnostic species: *Luzula spicata* subsp. *italica* 85.0, *Plantago sarda* 68.6, *Sagina pilifera* 64.2, *Sedum alpestre* 61.4, *Poa nemoralis* subsp. *balbisii* 56.8, *Euphrasia nana* 53.5, *Sedum brevifolium* 51.5, *Hypochaeris robertia* 51.2, *Cerastium soleirolii* 49.3, *Thlaspi brevistylum* 46.5, *Mutellina corsica* 43.0, *Phyteuma serratum* 42.6, *Chenopodium bonus-henricus* 42.6, *Alchemilla alpina* 42.6, *Acer pseudoplatanus* 41.3, *Poa alpina* 40.1, *Armeria multiceps* 38.9, *Alnus alnobetula* subsp. *suaveolens* 38.9, *Stachys corsica* 36.0, *Nardus stricta* 36.0, *Silene vulgaris* 34.8, *Saxifraga pedemontana* subsp. *cervicornis* 29.5, *Poa pratensis* 29.5, *Phleum pratense* subsp. *nodosum* 29.5, *Geum montanum* 29.5, *Galium cometorhizon* 29.5, *Acinos corsicus* 29.5, *Deschampsia flexuosa* 29.5, *Agrostis rupestris* 29.5, *Digitalis purpurea* 27.8, *Hieracium murorum* 27.7, *Gagea soleirolii* subsp. *soleirolii* 27.7, *Fagus sylvatica* 27.7, *Poa nemoralis* 26.0, *Pilosella piloselloides* subsp. *praealta* 26.0, *Armeria leucocephala* var. *leucocephala* 25.9, *Rumex acetosella* subsp. *pyrenaicus* 25.5, *Luzula pedemontana* 20.2

Constant species: *Luzula spicata* subsp. *italica* 88, *Hypochaeris robertia* 88, *Cerastium soleirolii* 88, *Sedum brevifolium* 62, *Sagina pilifera* 62, *Poa nemoralis* subsp. *balbisii* 62, *Plantago sarda* 62, *Deschampsia flexuosa* 62, *Stachys corsica* 50, *Silene vulgaris* 50, *Sedum alpestre* 50, *Rumex acetosella* subsp. *pyrenaicus* 50, *Pilosella kralikii* 38, *Thlaspi brevistylum* 38, *Nardus stricta* 38, *Mutellina corsica* 38, *Euphrasia nana* 38, *Armeria multiceps* 38, *Poa alpina* 25, *Phyteuma serratum* 25, *Juniperus communis* subsp. *alpina* 25, *Digitalis purpurea* 25, *Bromus hordeaceus* subsp. *hordeaceus* 25, *Chenopodium bonus-henricus* 25, *Alnus alnobetula* subsp. *suaveolens* 25, *Alchemilla alpina* 25, *Acer pseudoplatanus* 25

Dominant species: *Poa nemoralis* subsp. *balbisii* 50, *Sagina pilifera* 38, *Plantago sarda* 38, *Stachys corsica* 25, *Rumex acetosella* subsp. *pyrenaicus* 25, *Luzula spicata* subsp. *italica* 25, *Cerastium soleirolii* 25, *Silene vulgaris* 12, *Sedum brevifolium* 12, *Sedum alpestre* 12, *Poa pratensis* 12, *Pilosella kralikii* 12, *Nardus stricta* 12, *Luzula pedemontana* 12, *Mutellina corsica* 12, *Hypochaeris robertia* 12, *Galium corsicum* 12, *Fagus sylvatica* 12, *Bromus hordeaceus* subsp. *hordeaceus* 12, *Brimeura fastigiata* 12, *Chenopodium bonus-henricus* 12, *Bellardiochloa variegata* 12, *Deschampsia flexuosa* 12, *Alnus alnobetula* subsp. *suaveolens* 12

***Ligusticetum corsici* Klein 1972 (Lc)**

Diagnostic species: *Luzula spicata* subsp. *italica* 80.4, *Sedum alpestre* 60.2, *Sagina pilifera* 59.9, *Euphrasia nana* 59.2, *Thlaspi brevistylum* 51.7, *Plantago sarda* 48.4, *Mutellina corsica* 48.3, *Phyteuma serratum* 48.0, *Chenopodium bonus-henricus* 48.0, *Alchemilla alpina* 48.0, *Acer pseudoplatanus* 41.9, *Poa alpina* 40.1, *Poa nemoralis* subsp. *balbisii* 38.7, *Saxifraga pedemontana* subsp. *cervicornis* 33.8, *Poa pratensis* 33.8, *Phleum pratense* subsp. *nodosum* 33.8, *Geum montanum* 33.8, *Galium cometorhizon* 33.8, *Acinos corsicus* 33.8, *Agrostis rupestris* 33.8, *Hieracium murorum* 31.7, *Gagea soleirolii* subsp. *soleirolii* 31.7, *Fagus sylvatica* 31.7, *Poa nemoralis* 29.9, *Hypochaeris robertia* 29.0, *Armeria leucocephala* var. *leucocephala* 28.4, *Sedum brevifolium* 26.7, *Deschampsia flexuosa* 24.7, *Alnus alnobetula* subsp. *suaveolens* 24.1, *Stachys corsica* 23.7, *Digitalis purpurea* 23.5, *Nardus stricta* 23.3, *Cerastium soleirolii* 21.6, *Pilosella piloselloides* subsp. *praealta* 21.4

Constant species: *Luzula spicata* subsp. *italica* 88, *Hypochaeris robertia* 88, *Cerastium soleirolii* 88, *Sedum brevifolium* 62, *Sagina pilifera* 62, *Poa nemoralis* subsp. *balbisii* 62, *Plantago sarda* 62, *Deschampsia flexuosa* 62, *Stachys corsica* 50, *Silene vulgaris* 50, *Sedum alpestre* 50, *Rumex acetosella* subsp. *pyrenaicus* 50, *Pilosella kralikii* 38, *Thlaspi brevistylum* 38, *Nardus stricta* 38, *Mutellina corsica* 38, *Euphrasia nana* 38, *Armeria multiceps* 38, *Poa alpina* 25, *Phyteuma serratum* 25, *Juniperus communis* subsp. *alpina* 25, *Digitalis purpurea* 25, *Bromus hordeaceus* subsp. *hordeaceus* 25, *Chenopodium bonus-henricus* 25, *Alnus alnobetula* subsp. *suaveolens* 25, *Alchemilla alpina* 25, *Acer pseudoplatanus* 25

Dominant species: *Poa nemoralis* subsp. *balbisii* 50, *Sagina pilifera* 38, *Plantago sarda* 38, *Stachys corsica* 25, *Rumex acetosella* subsp. *pyrenaicus* 25, *Luzula spicata* subsp. *italica* 25, *Cerastium soleirolii* 25, *Silene vulgaris* 12, *Sedum brevifolium* 12, *Sedum alpestre* 12, *Poa pratensis* 12, *Pilosella kralikii* 12, *Nardus stricta* 12, *Luzula pedemontana* 12, *Mutellina corsica* 12, *Hypochaeris robertia* 12, *Galium corsicum* 12, *Fagus sylvatica* 12, *Bromus hordeaceus* subsp. *hordeaceus* 12, *Brimeura fastigiata* 12, *Chenopodium bonus-henricus* 12, *Bellardiochloa variegata* 12, *Deschampsia flexuosa* 12, *Alnus alnobetula* subsp. *suaveolens* 12

***Anthyllidion hermanniae* Klein 1972**

Diagnostic species: *Genista salzmannii* var. *lobelioides* 73.2, *Brachypodium pinnatum* subsp. *rupestre* 51.0, *Arrhenatherum elatius* subsp. *sardoum* 48.8, *Juniperus communis* subsp. *alpina* 48.7, *Agrostis capillaris* subsp. *castellana* 39.9, *Thymus herba-barona* 34.7, *Brachypodium pinnatum* subsp. *rupestre* 33.6, *Ruta corsica* 30.8, *Odontites corsicus* 30.8, *Berberis aetnensis* 30.8, *Potentilla rupestris* 29.2, *Hypochaeris cretensis* 28.3, *Vincetoxicum hirundinaria* subsp. *contiguum* 27.1, *Astragalus genargenteus* var. *greuteri* 23.7, *Daphne oleoides* 23.3, *Saponaria ocyroides* subsp. *alsinoides* 22.0, *Potentilla micrantha* 22.0, *Anthyllis hermanniae* subsp. *corsica* 21.9, *Galium corsicum* 21.5, *Bellardiochloa variegata* 21.5, *Deschampsia flexuosa* 20.9, *Cerastium soleirolii* 20.6

Constant species: *Thymus herba-barona* 70, *Juniperus communis* subsp. *alpina* 69, *Cerastium soleirolii* 67, *Genista salzmannii* var. *lobelioides* 66, *Anthyllis hermanniae* subsp. *corsica* 65, *Deschampsia flexuosa* 57, *Bellium bellidioides* 48, *Brachypodium pinnatum* subsp. *rupestre* 46, *Berberis aetnensis* 45, *Hypochaeris robertia* 43, *Galium corsicum* 41, *Pilosella kralikii* 39, *Anthoxanthum odoratum* 38, *Agrostis capillaris* subsp. *castellana* 34, *Stachys corsica* 32, *Arrhenatherum elatius* subsp. *sardoum* 32, *Hypochaeris cretensis* 30, *Silene vulgaris* 29, *Rumex acetosella* subsp. *pyrenaicus* 29, *Carex caryophyllea* 26, *Carlina macrocephala* subsp. *macrocephala* 25, *Sedum brevifolium* 24, *Aira caryophyllea* 22, *Petrorhagia saxifraga* subsp. *gasparrinii* 21

Dominant species: *Genista salzmannii* var. *lobelioides* 43, *Juniperus communis* subsp. *alpina* 35, *Anthyllis hermanniae* subsp. *corsica* 25, *Brachypodium pinnatum* subsp. *rupestre* 19, *Thymus herba-barona* 11

***Paronychio polygonifoliae-Genistetum lobelioidis* Gamisans 1975 nom. mut. Delbosc et al. hoc loco**

Diagnostic species: *Scleranthus burnatii* 62.3, *Veronica fruticans* 56.5, *Nardus stricta* 56.4, *Bellardiochloa variegata* 47.8, *Reseda phyteuma* subsp. *phyteuma* 44.7, *Pilosella kralikii* 44.7, *Trisetum gracile* 44.4, *Trisetum gracile* subsp. *conradiae* 44.4, *Deschampsia flexuosa* 41.8, *Paronychia polygonifolia* 41.3, *Sedum brevifolium* 33.4, *Sempervivum arachnoideum* 25.4, *Euphorbia corsica* 25.4, *Armeria multiceps* 24.3, *Astragalus genargenteus* var. *greuteri* 22.1, *Carex caryophyllea* 22.0, *Brachypodium pinnatum* subsp. *rupestre* 20.2

Constant species: *Pilosella kralikii* 86, *Deschampsia flexuosa* 86, *Juniperus communis* subsp. *alpina* 79, *Genista salzmannii* var. *lobelioides* 79, *Sedum brevifolium* 71, *Nardus stricta* 71, *Hypochaeris robertia* 71, *Cerastium soleirolii* 71, *Bellardiochloa variegata* 64, *Thymus herba-barona* 57, *Armeria multiceps* 50, *Stachys corsica* 43, *Scleranthus burnatii* 43, *Reseda phyteuma* subsp. *phyteuma* 43, *Hypochaeris cretensis* 43, *Carex caryophyllea* 43, *Brachypodium pinnatum* subsp. *rupestre* 43, *Veronica fruticans* 36, *Bellium bellidioides* 36, *Trisetum gracile* 21, *Trisetum gracile* subsp. *conradiae* 21, *Rumex acetosella* subsp. *pyrenaicus* 21, *Paronychia polygonifolia* 21, *Galium corsicum* 21, *Arrhenatherum elatius* subsp. *sardoum* 21, *Anthyllis hermanniae* subsp. *corsica* 21, *Allium schoenoprasum* 21, *Agrostis capillaris* subsp. *castellana* 21

Dominant species: *Genista salzmannii* var. *lobelioides* 50, *Juniperus communis* subsp. *alpina* 21

***Thymo herbae-baronae-Genistetum lobelioidis* Gamisans 1989**

Diagnostic species: *Orobanche rigens* 80.2, *Cuscuta epithymum* 79.3, *Lolium perenne* 67.2, *Hypochaeris cretensis* 60.5, *Pilosella officinarum* 52.0, *Cynosurus cristatus* 50.2, *Aira caryophyllea* 50.0, *Silene vulgaris* 49.1, *Genista salzmannii* var. *lobelioides* 47.8, *Filago minima* 39.1, *Luzula campestris* 35.9, *Festuca rubra* subsp. *rubra* var. *rubra* 32.2, *Brachypodium pinnatum* subsp. *rupestre* 32.2, *Cerastium soleirolii* 30.0, *Sedum brevifolium* 29.9, *Helichrysum italicum* subsp. *italicum* 29.5, *Anthyllis hermanniae* subsp. *corsica* 27.7, *Brachypodium pinnatum* subsp. *rupestre* 26.2, *Thymus herba-barona* 24.8, *Anthoxanthum odoratum* 22.0, *Rumex acetosella* subsp. *pyrenaicus* 21.8, *Jasione montana* subsp. *montana* 20.9

Constant species: *Thymus herba-barona* 100, *Silene vulgaris* 100, *Hypochaeris cretensis* 100, *Genista salzmannii* var. *lobelioides* 100, *Cerastium soleirolii* 100, *Anthyllis hermanniae* subsp. *corsica* 100, *Aira caryophyllea* 100, *Sedum brevifolium* 67, *Orobanche rigens* 67, *Lolium perenne* 67, *Juniperus communis* subsp. *alpina* 67, *Hypochaeris robertia* 67, *Helichrysum italicum* subsp. *italicum* 67, *Cuscuta epithymum* 67, *Anthoxanthum odoratum* 67, *Brachypodium pinnatum* subsp. *rupestre* 50, *Brachypodium pinnatum* subsp. *rupestre* 50, *Veronica verna* subsp. *brevistyla* 33, *Stachys corsica* 33, *Rumex acetosella* subsp. *pyrenaicus* 33, *Poa nemoralis* subsp. *balbisii* 33, *Pilosella officinarum* 33, *Petrorhagia saxifraga* subsp. *gasparrinii* 33, *Luzula campestris* 33, *Lotus corniculatus* 33, *Jasione montana* subsp. *montana* 33, *Galium corsicum* 33, *Filago minima* 33, *Festuca rubra* subsp. *rubra* var. *rubra* 33, *Cynosurus cristatus* 33, *Agrostis capillaris* subsp. *castellana* 33

Dominant species: *Genista salzmannii* var. *lobelioides* 100, *Anthyllis hermanniae* subsp. *corsica* 100, *Juniperus communis* subsp. *alpina* 67, *Aira caryophyllea* 67, *Thymus herba-barona* 33, *Poa nemoralis* subsp. *balbisii* 33, *Brachypodium pinnatum* subsp. *rupestre* 33, *Brachypodium pinnatum* subsp. *rupestre* 33, *Veronica verna* subsp. *brevistyla* 17, *Stachys corsica* 17, *Lotus corniculatus* 17, *Jasione montana* subsp. *montana* 17, *Galium corsicum* 17

***Thymo herbae-baronae-Genistetum lobelioidis* Gamisans 1989 *allietosum schoenoprasii* Gamisans 1989**

Diagnostic species: *Micropyrum tenellum* 55.7, *Brachypodium pinnatum* subsp. *rupestre* 55.3, *Genista salzmannii* var. *lobelioides* 48.2, *Briza maxima* 41.7, *Pancratium illyricum* 41.5, *Teucrium marum* 37.0, *Crucianella angustifolia* 34.3, *Potentilla crassinervia* 33.8, *Anarrhinum corsicum* 33.8, *Rumex acetosella* subsp. *pyrenaicus* 33.2, *Jasione montana* subsp. *montana* 31.3, *Festuca sardoa* 29.9, *Potentilla rupestris* var. *pygmaea* 29.9, *Hypochaeris glabra* 28.4, *Anthyllis hermanniae* subsp. *corsica* 27.7, *Galium corsicum* 27.3, *Filago minima* 27.3, *Cruciata glabra* 25.5, *Agrostis capillaris* subsp. *castellana* 25.4, *Verbascum thapsus* 23.8, *Thesium corsalpinum* 23.8, *Silene saxifraga* 23.8, *Santolina corsica* 23.8, *Rumex acetosa* 23.8, *Erica scoparia* 23.8, *Capsella bursa-pastoris* 23.8, *Acer monspessulanum* 23.8, *Arrhenatherum elatius* subsp. *sardoum* 22.9, *Crepis bellidifolia* 22.7, *Poa nemoralis* subsp. *balbisii* 22.4, *Pilosella piloselloides* subsp. *praealta* 21.4, *Allium schoenoprasum* 20.8

Constant species: *Anthyllis hermanniae* subsp. *corsica* 100, *Genista salzmannii* var. *lobelioides* 88, *Thymus herba-barona* 75, *Brachypodium pinnatum* subsp. *rupestre* 75, *Rumex acetosella* subsp. *pyrenaicus* 69, *Galium corsicum* 62, *Teucrium marum* 56, *Cerastium soleirolii* 56, *Bellium bellidioides* 56, *Anthoxanthum odoratum* 56, *Silene vulgaris* 50, *Poa nemoralis* subsp. *balbisii* 44, *Jasione montana* subsp. *montana* 44, *Agrostis capillaris* subsp. *castellana* 44, *Stachys corsica* 38, *Micropyrum tenellum* 38, *Arrhenatherum elatius* subsp. *sardoum* 38, *Allium schoenoprasum* 38, *Aira caryophyllea* 38, *Helichrysum italicum* subsp. *italicum* 31, *Erica arborea* 31, *Crucianella angustifolia* 31, *Briza maxima* 31, *Juniperus communis* subsp. *alpina* 25, *Filago minima* 25, *Cynosurus echinatus* 25, *Carlina macrocephala* subsp. *macrocephala* 25, *Deschampsia flexuosa* 25

Dominant species: *Genista salzmannii* var. *lobelioides* 50, *Anthyllis hermanniae* subsp. *corsica* 50, *Brachypodium pinnatum* subsp. *rupestre* 44, *Allium schoenoprasum* 38, *Bellium bellidioides* 31, *Thymus herba-barona* 25, *Anthoxanthum odoratum* 25, *Silene vulgaris* 19, *Teucrium marum* 12, *Juniperus communis* subsp. *alpina* 12, *Helichrysum italicum* subsp. *italicum* 12, *Potentilla rupestris* 12, *Cynosurus echinatus* 12, *Cerastium soleirolii* 12

***Juniperetum nanae* Litar. & Malcuit 1926**

Diagnostic species: *Odontites corsicus* 45.5, *Genista salzmannii* var. *lobelioides* 45.3, *Brachypodium pinnatum* subsp. *rupestre* 36.5, *Ruta corsica* 33.8, *Deschampsia flexuosa* 29.4, *Agrostis stolonifera* 28.4, *Viola reichenbachiana* 27.1, *Vincetoxicum hirundinaria* subsp. *contiguum* 24.8, *Silene vulgaris* subsp. *vulgaris* 24.7, *Scleranthus annuus* subsp. *polycarpus* 24.7, *Potentilla rupestris* 22.6, *Galium verum* subsp. *verum* 22.1, *Arrhenatherum elatius* subsp. *sardoum* 21.9, *Agrostis capillaris* subsp. *castellana* 21.3, *Veronica officinalis* 20.4

Constant species: *Genista salzmannii* var. *lobelioides* 84, *Juniperus communis* subsp. *alpina* 72, *Thymus herba-barona* 69, *Deschampsia flexuosa* 69, *Anthyllis hermanniae* subsp. *corsica* 68, *Cerastium soleirolii* 64, *Brachypodium pinnatum* subsp. *rupestre* 62, *Bellium bellidioides* 59, *Berberis aetnensis* 58, *Galium corsicum* 46, *Hypochaeris robertia* 43, *Pilosella kralikii* 42, *Anthoxanthum odoratum* 39, *Agrostis capillaris* subsp. *castellana* 39, *Arrhenatherum elatius* subsp. *sardoum* 36, *Carlina macrocephala* subsp. *macrocephala* 34, *Stachys corsica* 32, *Carex caryophyllea* 31, *Petrorhagia saxifraga* subsp. *gasparrinii* 30, *Hypochaeris cretensis* 30, *Odontites corsicus* 27, *Helleborus lividus* subsp. *corsicus* 27, *Rumex acetosella* subsp. *pyrenaicus* 26, *Ruta corsica* 24, *Cynosurus echinatus* 23, *Silene vulgaris* 22, *Rosa serafinii* 22

Dominant species: *Genista salzmannii* var. *lobelioides* 57, *Juniperus communis* subsp. *alpina* 34, *Brachypodium pinnatum* subsp. *rupestre* 26, *Anthyllis hermanniae* subsp. *corsica* 20

Appendix S6. Photographs of the plant associations recognized in this paper.



Figure S1. *Alysso robertiani* – *Genistetum salzmannii*. © Delbosc Pauline (2013) – Monte Stello (Cap Corse - Corsica). These photographs represent supramediterranean chamephytic scrub dominated by *Genista salzmannii* [A and B] developing on schist and ophiolitic substrates of Alpinian Corsica. [B] The woody species in the background correspond to *Erica arborea* and *Buxus sempervirens*.

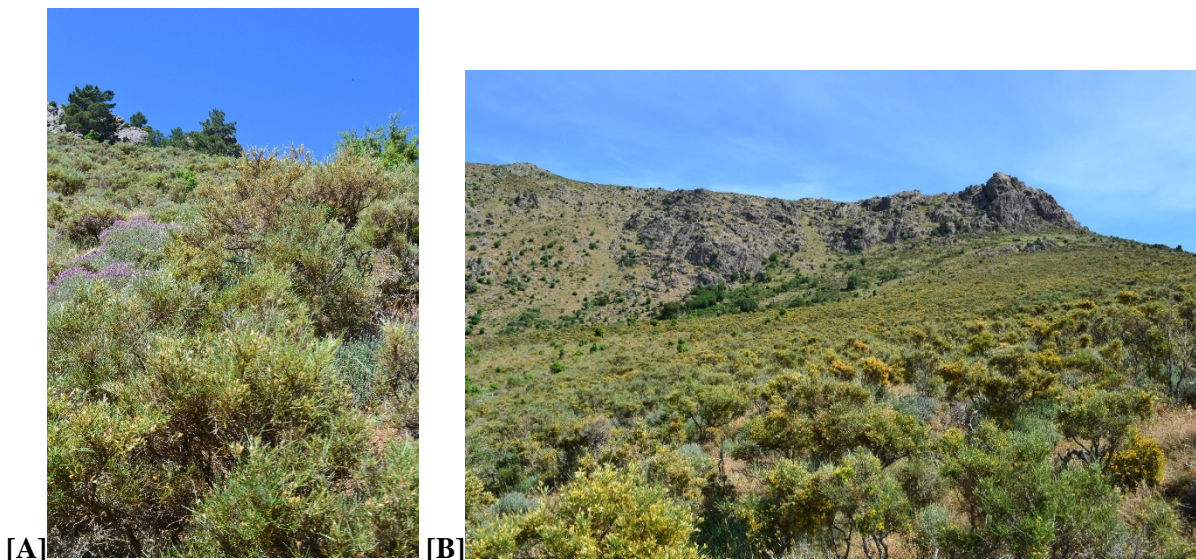


Figure S2. *Helichryso italicum* – *Genistetum salzmannii*. © Delbosc Pauline (2012) – Asco valley (Cinto massif - Corsica). Supramediterranean chamephytic scrub growing on shallow crystalline soils dominated by *Helichrysum italicum* subsp. *italicum* and *Genista salzmannii* var. *salzmannii* [A]. The repeated passage of fires has favoured the development of *Genista salzmannii* var. *salzmannii* [B].



[A]



[B]

Figure S3. *Juniperetum nanae*. © Delbosc Pauline (2015) – Asco valley (Cinto massif - Corsica). Oromediterranean low-shrub consisting mainly of spiny nanophanerophytes and chamaephytes dominated by *Juniperus communis* subsp. *alpina*. When the soil is deeper, *Pinus nigra* subsp. *laricio* is more prevalent [A]. On the wettest areas, *Betula pendula* forests replace *Juniperetum nanae* [B].



Figure S4. *Thymo herbae-baronae* – *Genistetum lobelioidis*. © Delbosc Pauline (2014) – Cuscione (Incudine massif - Corsica). This vegetation constitutes the most degraded stage of oromediterranean vegetations and develops on eroded and stony soils. This low-shrub is dominated by *Genista salzmannii* var. *lobelioides* and *Thymus herba-barona*.



Figure S5. *Paronychio polygonifoliae*-*Genistetum lobelioides*. © Delbosc Pauline (2014) – Asco valley (Cinto massif - Corsica). This photography represents oromediterranean low-shrub growing on siliceous substrates dominated by *Genista salzmannii* var. *lobelioides* and *Juniperus communis* subsp. *alpina*.