

Vegetation of Slovakia

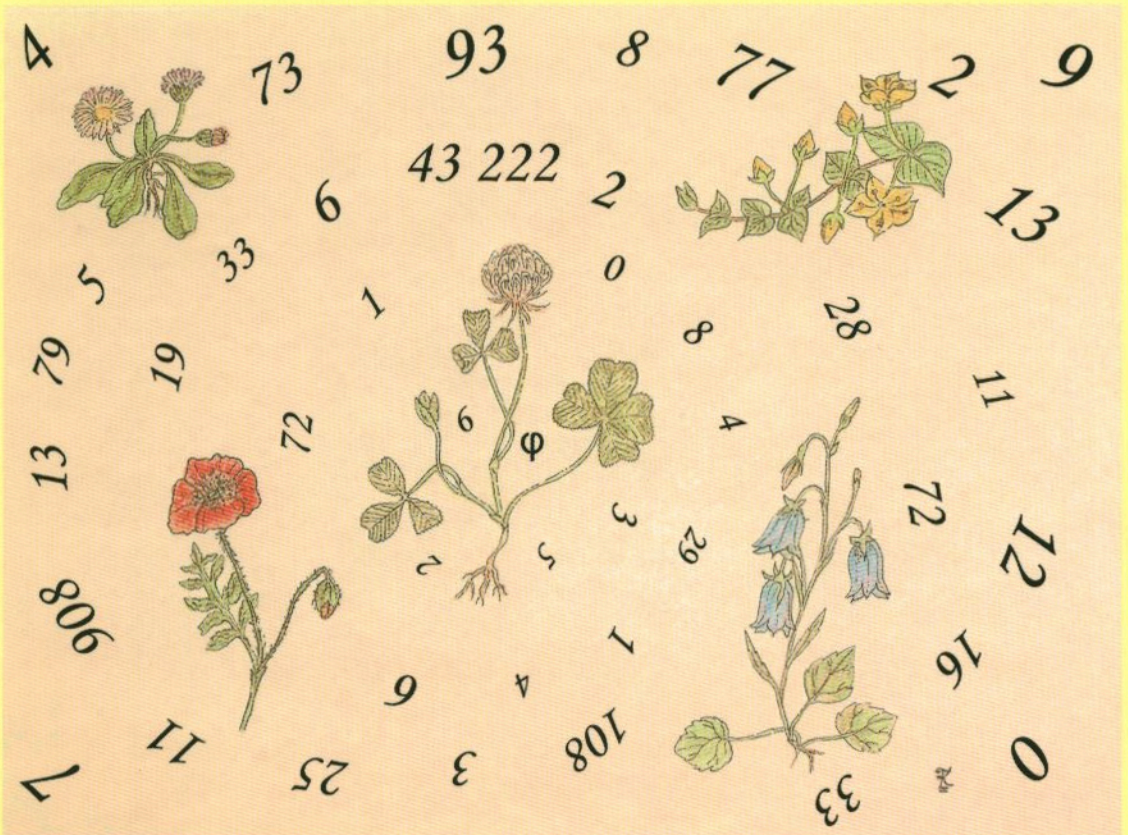
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Ivan Jarolínek
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Diagnostic, constant and dominant species of the higher vegetation units of Slovakia





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Diagnostic, constant and dominant species of the higher vegetation units of Slovakia

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Abstract: This study is a statistical revision of the phytosociological data stored in the Slovak National Vegetation Database (SNVD). The affinity of vascular plants, bryophytes and lichens for higher syntaxa occurring in Slovakia (alliances and classes) was calculated using a statistically defined coefficient of fidelity. Additionally, constant and dominant taxa of these syntaxa were identified. A revised list of syntaxa of Slovakia is supplemented.

Key words: Braun-Blanquet approach, classification, JUICE, phytosociology, plant communities, sharpness, syntaxonomy, TURBOVEG, uniqueness, vegetation survey

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1 Diagnostic, constant and dominant species of the higher vegetation units of Slovakia

I. JAROLÍMEK, J. ŠIBÍK, L. TICHÝ & J. KLIMENT

1.1 Introduction

Species composition and the spatial structure of vegetation reflect the complexity of biotic and abiotic factors in a habitat, including climatic, relief, edaphic and biotic particularities of the habitats. Due to specific ecological characteristics of the habitats during the course of evolution, groups of species and communities, optimally adapted to these conditions, have been selected (VALACHOVIČ 1990). These plants then thrive and reproduce freely and, based on intra- and interspecific competitive and selective stress, they form more or less extensive populations of one or more plant taxa coexisting in time and space in dynamic balance (cf. MORAVEC 1994a). These plant assemblages are called plant communities, or phytocoenoses, and their study is called phytosociology.

Following genetically defined tolerance to various ecological factors, we distinguish between generalists (species able to thrive in a wide variety of environmental conditions) and specialists (species able to thrive only in a narrow range of environmental conditions). Specifically, it is the species' range of tolerance to a particular ecological factor (or complex of several factors), together with the competitive ability of other species, that defines the range of potential habitats for a species. Ecological gradients are reflected by changes in composition of species of the communities and the ecological amplitudes of a particular community are manifested by transition to another community (HUŠOVÁ & MORAVEC 1994). Based on the knowledge of optima of particular taxa in gradients of ecological characteristics, gained from ecological and phytosociological research, we are able to define the fidelity of these taxa to particular syntaxa (or groups of syntaxa) that occupy habitats with specific ecological characteristics. Species specific for a particular plant community, and at the same time distinguishing it from other vegetation units, are called diagnostic (WHITTAKER 1962). These include characteristic species (with limited occurrence in a particular vegetation unit) and differential species (determining the particular vegetation unit against only some other particular units, and overlapping with others). The concept of characteristic species was established by BROCKMANN-JEROSCH (1907) at the beginning of 20th century. As characteristic, he defined taxa occurring only in particular vegetation unit. Diagnostic taxa are often correlated with particular eco-

logical and geographical characteristics of plant communities. In addition, the vegetation units are usually characterised by a group of coenologically correlated diagnostic taxa, which means that they repeatedly co-occur in nature. The larger the group of diagnostic taxa, the better and more accurate is the characterisation of the particular unit (MORAVEC 1994b). In most cases, the groups of diagnostic taxa have mainly regional validity and the same species can occur in different species combinations in different regions (e.g., in other mountain ranges with different florogenesis). This fact has led to replacement of the traditionally used, and strictly defined, concept of characteristic species for more liberal terms like diagnostic species—including characteristic and differential species, or characteristic species combinations—including characteristic species, differential species and species with higher constancy (CHYTRÝ & TICHÝ 2003).

From the beginning, the concept of diagnostic taxa has been always linked to the concept of fidelity – the occurrence or abundance of species in a particular vegetation unit. The first approaches to assess fidelity values were rather intuitive (SZAFAER & PAWLOWSKI 1927). These were later replaced, as the development of more powerful computers and software for vegetation data analysis progressed, by more objective statistical analyses and methods (cf. GOODALL 1953; JUHÁSZ-NAGY 1964; VAN DER MAAREL et al. 1978; BRUELHEIDE 1995, 2000; DUFRÉNE & LEGENDRE 1997; BOTTA-DUKÁT & BORHIDI 1999; CHYTRÝ et al. 2002, 2006; CHYTRÝ & TICHÝ 2003).

To make the knowledge of ecological and coenological affinity of particular species exploitable for other scientific disciplines and sufficiently organized, a compendious survey of vegetation units was prepared, serving as an irreplaceable tool for the generation of a conceptual basis for phytosociology (CHYTRÝ 2000). From the inception of phytosociology, many different hierarchical systems have been created, continuously developing owing to increasing number of phytosociological relevés and improving knowledge on vegetation of larger geographical areas or mountain ranges. Generally, as the main criterion of ordering the vegetation units in surveys was accepted the floristic composition of plant communities, reflecting more or less the different ecology and physiognomy of the stands, signified their different ecology.

Vegetation studies arising out of the data collected in the high mountains became the basis of phytosociology (see RÜBEL 1911; BRAUN-BLANQUET & JENNY 1926 etc.). Hence, it is not surprising that the first phytosociological surveys of plant communities (from the Slovak and Polish territories) and the lists of species linked to particular vegetation units were published from the Tatra Mts, the highest mountains of the Carpathian mountain range (cf. SZAFAER et al. 1923, 1927; PAWLOWSKI & STECKI 1927; PAWLOWSKI et al. 1928; PAWLOWSKI 1925, 1935).

Local studies were progressively altered by vegetation surveys of larger regions. The first comprehensive vegetation surveys in former Czechoslovakia were published by KLIKA & NOVÁK (1941), KLIKA & HADAČ (1944) and KLIKA (1948, 1955). In addition to the hierarchical system of vegetation units, the authors specified diagnostic taxa of classes, orders and alliances. They did not distinguish characteristic and differential taxa. A few years later, groups of indicator species for individual alliances and suballiances were defined by HOLUB et al. (1967) in their survey of higher vegetation units of the former Czechoslovakia. These groups included characteristic and differential species, as well as species with higher constancy. According to CHYTRÝ & TICHÝ (2003), all mentioned lists of syntaxa and their diagnostic species [or groups of indicator (diagnostic) species] have

been characterised with a high degree of subjectivity in selection of diagnostic species and an inability to differentiate between true diagnostic species and species with higher frequency but low diagnostic value. As a result, it is difficult to distinguish well and poorly delimited vegetation units.

The necessity of a detailed and comprehensive survey of plant communities in Slovakia led to the founding of a “Vegetation of Slovakia” edition in the 1990s. Within this edition, a series of comprehensive monographs “Plant communities of Slovakia” was published, dealing with pioneer (VALACHOVIČ et al. 1995), synanthropic (JAROLÍMEK et al. 1997), wetland (VALACHOVIČ et al. 2001) and high mountain vegetation (KLIMENT et al. 2007). In the near future, the survey of meadow and pasture vegetation will be published, and the series will be finished by a survey of forest and shrub vegetation (VALACHOVIČ 2006). This “Slovak survey initiative” has origin at the Department of Geobotany of the Institute of Botany, Slovak Academy of Sciences, coordinated there in parallel with publishing of vegetation surveys in other parts of Europe (GRABHERR & MUCINA 1993; MUCINA et al. 1993a,b; OBERDORFER 1977, 1978, 1983, 1992; RODWELL 1991a,b, 1992, 1995; SCHAMINÉE et al. 1995a, b, 1996, 1998; DIERSCHKE 1996 et seq.; STORTELDER et al. 1999; BERG et al. 2004). Recently, alongside the vegetation surveys of Slovakia, the preparation of an expert system for identification of individual vegetation units in Slovakia has started, based on the methodology of Czech colleagues (cf. CHYTRÝ 2007), using an external a priori defined criteria created by, for example, the Cocktail method (BRUELHEIDE 1995, 2000). The first result is the survey of meadow and pasture vegetation (JANIŠOVÁ et al. 2007).

A publication from our colleagues from the Masaryk University in Brno (CHYTRÝ & TICHÝ 2003) about diagnostic species of alliances and classes of the Czech Republic was the main inspiration for this book. Hence, we decided to analyse phytosociological relevés, stored in the Slovak National Vegetation Database – SNVD (VALACHOVIČ 1996, 1999; HEGEDUŠOVÁ 2007, ŠIBÍKOVÁ et al. 2009), in the database program TURBOVEG (HENNEKENS 1995, HENNEKENS & SCHAMINÉE 2001) using the same methodology and then to present the results of statistical analyses of phytosociological data from Slovakia to the general public.

The aims of this paper are **a)** to evaluate the affinity of individual taxa occurring in Slovakia to particular vegetation units (alliances and classes) using statistically defined fidelity values (CHYTRÝ et al. 2002); **b)** to evaluate the quality of delimitation of individual higher syntaxa (alliances and classes) included in the taxonomical scheme presented in this book (and recently used in SNVD) and at the same time to point out its strong as well as weak spots.

1.2 Material and Methods

1.2.1 Data set

The survey is based on the analysis of 49,459 phytosociological relevés (30,706 published and 18,753 unpublished) of plant communities from Slovakia and from border zones of Poland, Hungary and the Czech Republic. The data was obtained in June 2007 from the SNVD (HEGEDUŠOVÁ 2007, ŠIBÍKOVÁ et al. 2009, www.ibot.sav.sk/cdf), and

from private databases of the authors. All relevés were sampled following the standard procedures of the Zürich-Montpellier School (BRAUN-BLANQUET 1964, WESTHOFF & VAN DEN MAAREL 1978), frequently using the modified 9-degree Braun-Blanquet's sampling scale (BARKMAN et al. 1964) and stored in a TURBOVEG database (HENNEKENS & SCHAMINÉE 2001). The data was exported into JUICE 6.4.6 software (TICHÝ 2002) for analysis.

Only the relevés assigned to syntaxon at least at the alliance level were included in the analysis. Syntaxa names of relevés in the database followed the original papers, except syntaxa that were recently syntaxonomically and nomenclaturally revised [e.g., some communities occurring at high altitudes (cf. KLIMENT et al. 2007)]; these syntaxa reflect the current syntaxonomical system presented in Appendix 1 and Chapter 2. Relevés without a locality were deleted.

In the next step, we eliminated relevés taken in plots of extreme size [relevés < 50 m² or > 1,000 m² for forests, < 10 m² or > 200 m² for shrub vegetation, and < 2 m² or > 100 m² for herbaceous vegetation (except *Salicetea herbaceae* and *Sedo-Scleranthetea*, where the size criterion of individual relevés was 1 to 100 m²)]. A final data set of 43,414 phytosociological relevés was prepared for data analysis.

Since the heterogeneous origin of the data in large phytosociological databases may seriously influence the results of their analysis, KNOLLOVÁ et al. (2005) propose some strategies for stratified re-sampling of such databases, which may improve the representativeness of the data. In spite of frequent use of geographical stratification in similar recent studies (cf. CHYTRÝ & TICHÝ 2003, CHYTRÝ et al. 2007), we decided to analyse our data without any stratification. The main reason was that we considered the bias induced by the elimination of a large amount of data, especially from rare communities with naturally small area of distribution (e.g., communities of the classes *Erico-Pinetea*, *Carici rupestris-Kobresietea*, *Salicetea herbaceae* or the alliance *Hackelion deflexae*), and of data with inexactly defined geographical coordinates, as more serious than bias caused by oversampling of some localities. We came to this decision, to a certain extent, because it was not possible to generate the exact geographical coordinates of most of the older relevés until now. This situation has changed only recently with the use of high-quality maps and aerial photographs and various geographical software such as ArcGIS (ESRI 2005) or Google Earth (<http://earth.google.com/>), which facilitate the exact localisation of individual older phytosociological relevés.

Taxa determined only to the genus level were excluded. The overwhelming majority of species determined to subspecies level were fused to the species level; only in a few cases (different environmental requirements, e.g., altitudinal) were the lower taxonomical units accepted. Some taxa were included into more broadly-defined aggregates:

Achillea millefolium agg. – including *A. asplenifolia*, *A. collina*, *A. millefolium*, *A. pannonica*, *A. setacea*;

Alchemilla spec. div. – all *Alchemilla* species;

Amaranthus hybridus agg. – *A. bouchonii*, *A. cruentus*, *A. powellii*, *A. retroflexus*;

Anthoxanthum odoratum agg. – *A. alpinum*, *A. odoratum*;

Arabis hirsuta agg. – *A. hornungiana*, *A. nemorensis*, *A. sagittata*, *A. sudetica*;

Arabidopsis arenosa agg. – *A. arenosa*, *A. carpatica*, *A. petrogena*;

Arenaria serpyllifolia agg. – *A. leptoclados*, *A. serpyllifolia*;

- Aster novi-belgii* agg. – *A. laevis*, *A. lanceolatus*, *A. novi-belgii*;
Campanula rotundifolia agg. – *C. mentiens*, *C. rotundifolia*, *C. tatrae*;
Cardamine pratensis agg. – *C. dentata*, *C. matthioli*, *C. pratensis*;
Carex atrata agg. – *C. aterrima*, *C. atrata*;
Carex buxbaumii agg. – *C. buxbaumii*, *C. hartmanii*;
Carex flava agg. – *C. flava*, *C. lepidocarpa*, *C. demissa*, *C. viridula*;
Carex muricata agg. – *C. chabertii*, *C. divulsa*, *C. muricata*, *C. contigua*;
Carex praecox agg. – *C. curvata*, *C. praecox*;
Carex vulpina agg. – *C. otrubae*, *C. vulpina*;
Carlina vulgaris agg. – *C. biebersteinii*, *C. vulgaris*;
Centaurea jacea agg. – *C. jacea*, *C. macroptilon*, *C. × fleischeri*;
Centaurea phrygia agg. – *C. nigra*, *C. phrygia*, *C. pseudophrygia*, *C. stenolepis*;
Cerastium brachypetalum agg. – *C. brachypetalum*, *C. tenoreanum*;
Cerastium fontanum agg. – *C. fontanum*, *C. holosteoides*, *C. lucorum*;
Cerastium pumilum agg. – *C. glutinosum*, *C. pumilum*, *C. semidecandrum*;
Chenopodium album agg. – *C. album*, *C. opulifolium*, *C. strictum*, *C. suecicum*;
Cladonia gracilis agg. – *C. gracilis*, *C. macroceras*;
Cladonia pyxidata agg. – *C. chlorophaea* (Flörke ex Sommerf.) Spreng., *C. grayi* G.K. Merrill ex Sandst., *C. merochlorophaea* Asahina, *C. pocillum* (Ach.) O. J. Rich.;
Colymbada scabiosa agg. – *C. scabiosa*, *C. badensis*;
Cornus sanguinea agg. – *C. australis*, *C. hungarica*, *C. sanguinea*;
Crocus discolor agg. – *C. discolor*, *C. heuffelianus*;
Dactylorhiza incarnata agg. – *D. incarnata*, *D. ochroleuca*;
Dactylorhiza maculata agg. – *D. fuchsii*, *D. maculata*;
Dryopteris carthusiana agg. – *D. carthusiana*, *D. dilatata*, *D. expansa*;
Dryopteris filix-mas agg. – *D. affinis*, *D. filix-mas*;
Eleocharis palustris agg. – *E. mamillata*, *E. palustris*, *E. uniglumis*;
Epilobium tetragonum agg. – *E. lamyi*, *E. tetragonum*;
Erigeron acris agg. – *E. acris*, *E. angulosus*;
Erophila verna agg. – *E. spathulata*, *E. verna*;
Euphrasia stricta agg. – *E. pectinata*, *E. slovacica*, *E. stricta*;
Festuca rubra agg. – *F. heteromalla*, *F. nigrescens*, *F. rubra*;
Festuca valesiaca agg. – *F. pseudodalmatica*, *F. valesiaca*;
Galeobdolon luteum agg. – *G. luteum*, *G. montanum*;
Galium mollugo agg. – *G. album*, *G. mollugo*, *G. pycnotrichum*;
Galium palustre agg. – *G. elongatum*, *G. palustre*;
Galium pumilum agg. – *G. anisophyllum*, *G. austriacum*, *G. pumilum*, *G. saxatile*;
Galium verum agg. – *G. verum*, *G. wirtgenii*;
Glechoma hederacea agg. – *G. hederacea*, *G. hirsuta*;
Gymnadenia conopsea agg. – *G. conopsea*, *G. densiflora*;
Hypnum cupressiforme agg. – *H. cupressiforme*, *H. lacunosum* (Brid.) Hoffm. ex Brid.;
Juncus bufonius agg. – *J. bufonius*, *J. minutulus*, *J. ranarius*;
Juniperus communis agg. – *J. communis*, *J. sibirica*;
Kiaeria starkei agg. – *K. falcata*, *K. starkei*;
Leucanthemum vulgare agg. – *L. gaudinii*, *L. irtutianum*, *L. margaritae*, *L. vulgare*;
Luzula campestris agg. – *L. campestris*, *L. divulgata*, *L. multiflora*, *L. pallescens*;

- Malus sylvestris* agg. – *M. domestica*, *M. sylvestris*;
Molinia caerulea agg. – *M. arundinacea*, *M. caerulea*;
Montia fontana agg. – *M. fontana*, *M. hallii*;
Myosotis scorpioides agg. – *M. brevisetacea*, *M. caespitosa*, *M. nemorosa*, *M. scorpioides*;
Myosotis sylvatica agg. – *M. stenophylla*, *M. sylvatica*;
Odontites vulgaris agg. – *O. verna*, *O. vulgaris*;
Oenothera biennis agg. – *O. biennis*, *O. hoelscheri*, *O. depressa*, *O. suaveolens*;
Ornithogalum umbellatum agg. – *O. kochii*, *O. umbellatum*;
Phleum pratense agg. – *P. bertolonii*, *P. pratense*;
Plagiomnium affine agg. – *P. affine*, *P. elatum*, *P. ellipticum*, *P. medium*, *P. rostratum*;
Poa annua agg. – *P. annua*, *P. supina*;
Poa pratensis agg. – *P. angustifolia*, *P. humilis*, *P. pratensis*;
Polygonum aviculare agg. – *P. arenastrum* (prevails), *P. aviculare*, *P. rurivagum*;
Polytrichum formosum agg. – *P. formosum*, *P. longisetum*, *P. pallidisetum*;
Potamogeton pusillus agg. – *Potamogeton berchtoldii*, *Potamogeton pusillus*;
Potentilla argentea agg. – *P. argentea* (prevails), *P. neglecta*;
Pseudolysimachion spicatum agg. – *P. incanum*, *P. orchideum*, *P. spicatum*;
Puccinellia distans agg. – *P. distans*, *P. limosa*;
Pulmonaria officinalis agg. – *P. officinalis*, *P. obscura*;
Pulsatilla pratensis agg. – *P. pratensis*, *P. zimmermannii*;
Pyrus communis agg. – *P. communis*, *P. pyraster*;
Quercus petraea agg. – *Q. dalechampii*, *Q. petraea*, *Q. polycarpa*;
Quercus pubescens agg. – *Q. pubescens*, *Q. virgiliana*;
Quercus robur agg. – *Q. pedunculiflora*, *Q. robur*;
Ranunculus auricomus agg. – *R. auricomus*, *R. cassubicus*, *R. transtibiscensis*;
Rhizomnium punctatum agg. – *R. magnifolium*, *R. pseudopunctatum*, *R. punctatum*;
Rosa canina agg. – *R. canina* (prevails), *R. dumalis*, *R. inodora*;
Rubus fruticosus agg. – all species of genus *Rubus* except *R. caesius*, *R. hirtus*, *R. idaeus*,
R. saxatilis;
Salix retusa agg. – *S. kitaibeliana*, *S. retusa*;
Salix rosmarinifolia agg. – *S. repens*, *S. rosmarinifolia*;
Schistidium apocarpum agg. – *S. agassizii*, *S. apocarpum*, *S. atrofusum*, *S. boreale*,
S. brunnescens, *S. rivulare*, *S. trichodon*;
Scilla bifolia agg. – all native *Scilla* species;
Scleranthus annuus agg. – *S. annuus*, *S. polycarpus*;
Senecio nemorensis agg. – *S. germanicus*, *S. hercynicus*, *S. ovatus*, *S. ucranicus*;
Silene otites agg. – *S. donetzica*, *S. otites*;
Sorbus aria agg. – *S. aria*, *S. austriaca*, *S. graeca*, *S. hazslinszkyana*, *S. pekarovae*,
S. margittaiana, *S. montisalpae*, *S. zuzanae*;
Sphagnum capillifolium agg. – *S. capillifolium*, *S. rubellum*;
Sphagnum palustre agg. – *S. centrale*, *S. palustre*;
Sphagnum recurvum agg. – *S. angustifolium*, *S. fallax*, *S. flexuosum*;
Stellaria media agg. – *S. media*, *S. neglecta*, *S. pallida*;
Symphytum officinale agg. – *S. bohemicum*, *S. officinale* (extremely prevails)
Tanacetum corymbosum agg. – *T. clusii*, *T. corymbosum*;

Utricularia vulgaris agg. – *U. australis*, *U. vulgaris*;
Veronica chamaedrys agg. – *V. chamaedrys*, *V. vindobonensis*;
Veronica hederifolia agg. – *V. hederifolia*, *V. sublobata*, *V. triloba*;
Viola tricolor agg. – *V. saxatilis*, *V. tricolor*.

It is important to consider that broadly conceived taxa may include variously defined “narrow” taxa, which may affect the interpretation of results. Therefore, we specified the concept of some particular “narrow” taxa in footnotes in Appendices 2 and 3.

Since the span of height of particular vegetation layers was defined differently by early authors, and especially since dwarf specimens of many woody taxa were often noted in different ways, the tree-, shrub- and herb-layer records (including seedlings and juveniles) for every taxon were merged. Finally, every species was present only once in the data set.

In spite of the fact that bryophytes, lichens and macroalgae were not recorded in all relevés, they were retained in the data set because of their proportional occurrence in individual vegetation units. It is important to consider this fact while interpreting the results and to consider the values of diagnostic, constant and dominant cryptogams as overestimated to a certain extent in some syntaxa.

In the next step, all crop plants were eliminated from the dataset. They occurred in some relevés of weed vegetation and they had, in contrast to other naturally occurring weed species, no information value.

Similarly, all species recorded in a single relevé were excluded from the analysis in order to eliminate the random effect on the results. The final number of taxa occurring in the data set was 2,858.

The nomenclature of the vascular plants generally follows the Chromosome number survey of the ferns and flowering plants of Slovakia (MARHOLD et al. 2007) and the Identification key of ferns and flowering plants of the Slovak Republic (MARHOLD et al. 2009). Several exceptions with the author’s citation were used, especially in cases of common and, until now, frequently used names. The subspecies in Appendices 2 and 3 (given without the species name) are marked with asterisks (*). The nomenclature of the bryophytes follows KUBINSKÁ & JANOVIČOVÁ (1998) and Check list of Norwegian mosses (ANONYMOUS 2005); the names of lichens are in accordance with BIELCZYK et al. (2003). In both cases, the exceptions are presented with the author’s citation.

The nomenclature of syntaxa follows Chapter 2, which represents the new list of vegetation units of Slovakia, used in SNVD. The former list was published more than 20 years ago by MUCINA & MAGLOCKÝ (1985), and its update was necessary. This list of syntaxa reflects not only the numerous taxonomical revisions, based on numerical processing of a large amount of newly obtained phytosociological relevés, but also numerous nomenclatural revisions of syntaxa names in accordance with the International Code of Phytosociological Nomenclature – 3rd edition (WEBER et al. 2000). The list had to be finished before the beginning of the data analysis itself and, therefore, it does not follow the latest taxonomical concepts in some vegetation units. Thus, in relevant places we refer to publications with the current concept of phytosociological systems of particular vegetation types (e.g., JANIŠOVÁ et al. 2007, DÍTĚ et al. 2007).

Since the syntaxon codes in SNVD (VALACHOVIČ 1996, 1999) markedly changed from the 1990s, Appendix 1 was compiled as a synopsis of analyzed alliances and classes. The

units are arranged by Turboveg Code (TV code) for an easy determination of individual syntaxa in Appendices 2 and 3.

1.2.2 Data analysis

Relevés with deviating floristic composition from individual classes were determined by DCA analysis in the CANOCO program (TER BRAAK & ŠMILAUER 2002) and afterwards excluded from the data set or if fitting, thus included into the most similar class.

The final data set of 43,222 phytosociological relevés was analysed in the program JUICE, version 6.4.6 (TICHÝ 2002). Within diagnostic group of taxa we distinguished diagnostic, constant and dominant taxa. Diagnostic species were statistically determined on the basis of fidelity concept (BRUELHEIDE 1995; CHYTRÝ et al. 2002, 2006; CHYTRÝ & TICHÝ 2003; CHYTRÝ 2007). Fidelity offers more stringent rules for including species to the group of diagnostic species.

Diagnostic taxa for each group (alliances and classes) are determined using the phi coefficient (SOKAL & ROHLF 1995, CHYTRÝ et al. 2002). Each taxon is characterised by fidelity (Φ , Phi-coefficient), which represents the rate of statistical association between the occurrence of species and the relevés assigned to the vegetation unit. It ranges from -1 to 1 (in the output the Phi-coefficient is multiplied by 100). The fidelity expresses a diagnostic value of species for given vegetation unit (CHYTRÝ 2007). Species with high fidelity can be regarded as diagnostic (characteristic or differential). The highest Phi value is yielded if the taxon occurs in all relevés of the given vegetation unit and is absent elsewhere. A positive value lower than 1 means that the species is absent in some relevés of the given vegetation unit or present in some relevés outside the vegetation unit. A zero value is yielded when the species percentage frequency in the vegetation unit equals the percentage frequency in the rest of the data set (CHYTRÝ & TICHÝ 2003). The phi-coefficient was standardized to the equal relevé size of all groups; target group being of the same size as the others (CHYTRÝ et al. 2006, TICHÝ & CHYTRÝ 2006). The size of groups was virtually equalised to 1/47 of the total number of all relevés in the data set for classes, and to 1/175 for alliances. The using of this method is partially influenced by the fact, that smaller groups (units with smaller number of relevés) are more homogeneous than larger ones and hence have more diagnostic species with high fidelity. Thus, those smaller units seem to be overestimated, what should be considered while interpreting the results. To reduce this effect, the species with the probability of random occurrence in the vegetation type lower than 0.001 ($P < 0.001$) yielded by Fisher's exact test (CHYTRÝ et al. 2002, 2006; CHYTRÝ 2007) were excluded from the list of diagnostic taxa. Despite this fact, few units still seem to be more or less overestimated. Conversely, if a method without virtual standardisation of all groups was used for the calculation of fidelity, as did CHYTRÝ & TICHÝ (2003) in their pioneer study which serves as a model for this study, it would have an antagonistic effect. Alliances and classes with small number of relevés would be more or less underestimated and groups of diagnostic taxa might have been affected by the random effect. After comparison and evaluation of several pilot analyses we decided to use the newer method (TICHÝ & CHYTRÝ 2006) with the careful interpretation of diagnostic taxa of vegetation units with small number of relevés (frequently they are naturally rare communities), which can be overrated and hence biased. The species with a fidelity of

above 24 ($\Phi > 0.24$) were considered as diagnostic. This value was selected subjectively, as it proved informative after a preliminary investigation of the obtained results.

Constant taxa are those with a high occurrence frequency in the given vegetation unit. The threshold frequency values for constant species were selected differently for classes (25 %) and alliances (40 %), because the latter are more narrowly conceived and therefore more homogeneous vegetation units.

Dominant taxa were defined as those having a percentage cover higher than 50 % at least in 3 % of relevés in the given vegetation unit. In such a way, species which only rarely or never attain high cover are not included in the output.

Diagnostic, constant and dominant taxa defined in this manner are presented in Appendix 2, ordered following TURBOVEG codes used in the SNVD. The diagnostically important taxa of individual syntaxa are sorted according to their decreasing values of the phi coefficient multiplied by 100 (diagnostic taxa), percentage frequency of occurrence (constant taxa), and percentage frequency of cases with taxon cover exceeding 50 % (dominant taxa). In Chapter 2 the syntaxa are arranged by habitat types: non-forest aquatic, wetland, non-forest terrestrial rock fissures and scree, high-altitude vegetation, grasslands, fringes, shrubs, forests and finally synanthropic vegetation.

Statistically defined diagnostic taxa enabled us to quantify the quality of syntaxa (alliances and classes) delimitation. For this purpose, the criteria of sharpness and uniqueness were used, similarly as in CHYTRÝ & TICHÝ (2003).

Sharpness is given by index S that “is defined as the number or quality of diagnostic species in a vegetation unit, relative to the average species richness of its stands. A vegetation unit is sharp if a large proportion of its species are confined to it, being mostly absent or rare in other vegetation units, while it is progressively less sharp if most of its species are generalists frequently found also in other vegetation units. The Sharpness Index (S) ranges in the interval (0; ∞) and attains high values for sharp vegetation units and low values for unsharp vegetation units. The highest values of the Sharpness Index are attained if a vegetation unit possesses many diagnostic species with a high diagnostic capacity (e.g., with a high Phi value). Lower, but still rather high values can be yielded either in case of few diagnostic species with a high diagnostic capacity or in case of many diagnostic species with a relatively poor diagnostic capacity” (CHYTRÝ & TICHÝ 2003).

Uniqueness was used for the first time in the paper of CHYTRÝ & TICHÝ (2003) to identify unique vegetation units in the data set. It “expresses whether or not there are similar vegetation units of the same rank (e.g., class or alliance). A vegetation unit is unique if none of its diagnostic species has simultaneously diagnostic status in other vegetation units, while its uniqueness decreases if it shares its diagnostic species with other vegetation units.” Uniqueness Index is low for those vegetation units whose diagnostic species are mostly shared with other vegetation units (TICHÝ & HOLT 2006). Uniqueness is calculated in two steps. First, an Asymmetric Similarity Index (T) between every pair of relevant vegetation units is computed. Thereafter, the actual Uniqueness Index for each vegetation unit is calculated using the previously obtained index T (CHYTRÝ & TICHÝ 2003, TICHÝ & HOLT 2006).

1.3 Results and Discussion

The linkage of taxa occurring in Slovakia to particular alliances and classes presented in this handbook (Appendix 1 and Chapter 2) was calculated based on predetermined criteria. Final lists of diagnostic, constant and dominant taxa are summarised in Appendices 2 and 3. In Appendix 2 the groups of taxa are assigned to the relevant syntaxa (alliances and classes), which are ordered following the TURBOVEG code of classes and alliances. In Appendix 3, all taxa are ordered alphabetically. For a correct interpretation of results, it is important to remember that small groups (vegetation units with a small number of relevés) are more homogeneous than larger ones and they have more diagnostic taxa with higher fidelity. These units might be more or less overestimated because of standardising an analysed dataset to an equal relevé size of all groups (see above). As the SNVD has had no professional manager and has been managed by volunteers since its establishment, some bias of results might have been caused by subjective mistakes in the database due to computerization of many relevés by non-botanists.

In spite of the fact that classification is not the main research purpose of phytosociology, it has a significant role as a unique tool to organize the accumulated knowledge into a plain system and to form the conceptual apparatus (CHYTRÝ 2000). The last comprehensive list of syntaxa occurring in Slovakia was elaborated by MUCINA & MAGLOCKÝ (1985). Since that time, a huge number of new relevés, including rare or formerly unknown plant communities, have been put into SNVD (HEGEDŮŠOVÁ 2007, ŠIBÍKOVÁ et al. 2009). In addition, a significant advance in the development and use of various database programs and numerical methods has come. Modern computer configurations allow us to analyze up to several thousands of phytosociological relevés. Hence, we realized the presentation of a new list of syntaxa occurring in Slovakia (or, actually, in the Western Carpathians) based on the extensive syntaxonomical and nomenclatural revisions published recently. Instead of creating new classifications, the aim of this list was a critical revision of contemporary phytosociological systems and, in particular, an effort to consider the other European classifications and apply consistent criteria for the whole list of syntaxa.

The idea of a complex evaluation of vegetation, based not only on floristic composition, but also on the qualitative and quantitative participation of all components, together with the spatial distribution and mutual relations, was already applied by REJMÁNEK (1977). Based on this principle, shrub vegetation (class *Rhamno-Prunetea* Rivas Goday et Borja-Carbonell 1961) was separated from broad-leaved deciduous forests; dwarf shrubs (class *Loiseleurio-Vaccinietea* Egger ex Schubert 1960) were separated from (sub)alpine grasslands (*Caricetea curvulae* Br.-Bl. 1948, syn. *Juncetea trifidi* Hadač 1946) or coniferous forests (*Vaccinio-Piceetea* Br.-Bl. in Br.-Bl. et al. 1939); deciduous shrubs of the *Betulo carpaticae-Alnetea viridis* Rejmánek in Huml et al. 1979 were separated from tall-herb communities of the *Mulgedio-Aconitetea* (cf. EGGLER 1952, SCHUBERT 1960, RIVAS GODAY & BORJA-CARBONELL 1961, HUML et al. 1979, WIRTH 1993, PIGNATTI et al. 1995, etc.). Examples mentioned above show that, in many cases, these are communities of a mosaic or ecotone character, similar to the fringe communities of the *Trifolio-Geranietea* Th. Müller 1962 (cf. MUCINA & KOLBEK 1993), originally ordered to the xerothermophilous communities of the class *Festuco-Brometea* Br.-Bl. et Tx. in Br.-Bl. 1949, or on the other hand, to the contact forest communities (mostly *Quercu-Fagetetea* Br.-Bl. et Vliieger in Vliieger 1937). An acceptance of some classes with ecotonal or mosaic character, such

as *Loiseleurio-Vaccinietea*, *Rhamno-Prunetea* and *Trifolio-Geranietea* on one hand, and the rejection of classes such as *Betulo-Alnetea viridis* and *Roso pendulinae-Pinetea mugo* on the other hand, (cf. GRABHERR & MUCINA 1993, MUCINA 1997) point out the different attitude of the authors towards individual higher syntaxa and makes such phytosociological systems less consistent. In all mentioned and similar cases, we tried to apply equal criteria to obtain a more consistent system.

For including the plant communities into particular classes, we used basic criteria similar to THEURILLAT et al. (1995) in their classification of plant communities of the Alps: **a**) structural homogeneity of all units in the class (stands of similar physiognomy and ecology) and **b**) floristic similarity. Using a combination of these two criteria, together with physiognomical, ecological and floristic characteristics, we suggest a system of higher vegetation units that, in spite of some doubts, might represent a universal phytosociological system, which is better applicable in practise (e.g., Natura 2000). We know that, in some cases, it is difficult to use unified criteria because there are many transitional situations in nature that do not fit into boxes. In these cases, the acceptance or the placement of particular syntaxa into the phytosociological system is more or less a matter of a common consensus among vegetation scientists. The analysis of data from SNVD has already shown that distinguishing some higher syntaxa included in Appendix 1 is superfluous (e.g., *Pulsatillo-Pinetea*). In these cases, the decision to accept or reject a given syntaxa relies on critical evaluation by the reader. We believe that, after careful revision of all vegetation types of Slovakia by formalised methods (cf. CHYTRÝ 2000), and after building an expert system using external, a priori defined criteria created by, for example, the Cocktail method (BRUELHEIDE 1995, 2000), we will be able to present surveys similar to the Vegetation of the Czech Republic (CHYTRÝ et al. 2007) in the near future. However, we assume that the differences in the fidelity values of individual ecologically important taxa to particular syntaxa will not be significantly different from those presented in this book, based on the present state of SNVD. A similar thing might also be seen in the comparison of works from CHYTRÝ & TICHÝ (2003) and CHYTRÝ et al. (2007). These are rather sequential steps, the first being the analysis of a large data set from a particular database, creating hypotheses and assumptions, and determining the second step, which is building an expert system that contains the exact definitions of individual syntaxa and helps in classification of individual relevés to these syntaxa.

The most frequent taxa stored in SNVD are summarised in Table 1. In general, they represent the most eurytopic and most common taxa (including more broadly conceived taxa), which occur in various types of vegetation.

1.3.1 Evaluation of classes

Table 2 comprises all classes ordered by decreasing value of Sharpness Index (S). In this manner, the classes are ranked by decreasing proportion of quality of diagnostic species relative to the average species richness of vegetation stands (CHYTRÝ & TICHÝ 2003). Classes with the highest Sharpness Index comprise rare communities occurring in extreme habitats, such as species-poor halophytic communities of the *Thero-Suaedetea* and communities on blown sands of the *Festucetea vaginatae*, together with species-poor water pioneer communities of classes *Charetea fragilis*, *Potametea* and *Lemnetea*. The latter two were also identified within the sharpest groups in the analysis of Czech data

Table 1. Fifty most frequent taxa in the analysed dataset (43,222 relevés and 2,858 taxa) selected from the SNVD and the number of their occurrences (n) and frequencies (f).

		n	f(%)		n	f(%)
1	<i>Achillea millefolium</i> agg.	9323	22	26	<i>Luzula luzuloides</i>	4491 10
2	<i>Ranunculus acris</i>	6665	15	27	<i>Fagus sylvatica</i>	4386 10
3	<i>Anthoxanthum odoratum</i> agg.	6578	15	28	<i>Picea abies</i>	4427 10
4	<i>Taraxacum</i> sect. <i>Ruderalia</i>	6377	15	29	<i>Myosotis scorpioides</i> agg.	4203 10
5	<i>Veronica chamaedrys</i> agg.	6446	15	30	<i>Caltha palustris</i>	4158 10
6	<i>Urtica dioica</i>	6296	15	31	<i>Festuca pratensis</i>	4388 10
7	<i>Alchemilla</i> spec. div.	6198	14	32	<i>Fragaria vesca</i>	4248 10
8	<i>Plantago lanceolata</i>	5935	14	33	<i>Euphorbia cyparissias</i>	4174 10
9	<i>Lotus corniculatus</i>	5979	14	34	<i>Galium mollugo</i> agg.	3961 9
10	<i>Poa pratensis</i> agg.	5972	14	35	<i>Senecio nemorensis</i> agg.	3999 9
11	<i>Dactylis glomerata</i>	5751	13	36	<i>Cerastium fontanum</i> agg.	3779 9
12	<i>Cruciata glabra</i>	5428	13	37	<i>Pimpinella saxifraga</i>	3956 9
13	<i>Leucanthemum vulgare</i> agg.	5509	13	38	<i>Luzula campestris</i> agg.	3865 9
14	<i>Briza media</i>	5462	13	39	<i>Homogyne alpina</i>	3957 9
15	<i>Trifolium *pratense</i>	5589	13	40	<i>Oxalis acetosella</i>	3808 9
16	<i>Ranunculus repens</i>	5221	12	41	<i>Prunella vulgaris</i>	4100 9
17	<i>Rumex acetosa</i>	5055	12	42	<i>Hypericum maculatum</i>	4013 9
18	<i>Festuca rubra</i> agg.	5283	12	43	<i>Heracleum sphondylium</i>	3387 8
19	<i>Trifolium repens</i>	5140	12	44	<i>Rubus idaeus</i>	3414 8
20	<i>Potentilla erecta</i>	5068	12	45	<i>Agrostis stolonifera</i>	3366 8
21	<i>Deschampsia cespitosa</i>	5101	12	46	<i>Lathyrus pratensis</i>	3347 8
22	<i>Vaccinium myrtillus</i>	5192	12	47	<i>Ajuga reptans</i>	3510 8
23	<i>Agrostis capillaris</i>	4960	11	48	<i>Lactuca muralis</i>	3620 8
24	<i>Leontodon hispidus</i>	4373	10	49	<i>Dryopteris filix-mas</i> agg.	3295 8
25	<i>Avenella flexuosa</i>	4267	10	50	<i>Glechoma hederacea</i> agg.	3539 8

(CHYTRÝ & TICHÝ 2003), due to the specific ecological conditions of aquatic environments in comparison with terrestrial habitats. The relict communities from the most extreme mountain habitats with an occurrence of many arctic-alpine taxa (class *Carici rupestris-Kobresietea*) and relict pine communities of canyons and limestone cliffs (class *Erico-Pinetea*) reach high values of the Sharpness Index as well.

Conversely, tall-herb and nitrophilous communities of the classes *Mulgedio-Aconitetea* and *Galio-Urticetea* are the least sharp, due to the occurrence of numerous taxa with a wide ecological range. The class *Thlaspietea rotundifolii* in Slovakia, similar to the Czech Republic (cf. CHYTRÝ & TICHÝ 2003), seems to be one of the least sharp classes, probably due to its pioneer character. The class *Rhamno-Prunetea*, which belongs to syntaxa that are difficult to define by diagnostic taxa, also has a low Sharpness Index.

Classes *Vaccinio-Piceetea* and *Quercu-Fagetea* represent natural and semi-natural vegetation. Whereas in the Czech Republic they belong to the sharpest syntaxa (CHYTRÝ & TICHÝ 2003), in Slovakia they show lower sharpness. This difference might result from the unclear classification of spruce communities from lower altitudes, which grow secondarily in beech habitats and are included in the class *Vaccinio-Piceetea*. The other reason for their lower sharpness might be the different ecological amplitude of herbs and trees and shrubs; whereas herbs accurately reflect soil, microclimatic and other properties

Table 2. Sharpness Index (S) and Uniqueness Index (U) of vegetation classes of Slovakia, ranked by decreasing values of the Sharpness index.

Explanations: Tv Code – Turboveg Code; Abb – Abbreviation of class name; n – No. of relevés; a – Average taxa No. rounded to the whole number; hIU – Ten (twenty) highest [++(+)] and lowest [–(–)] values of the Index U; sU – Sequence of the classes ranked by decreasing values of the Index U.

	Tv Code	Class	Abb	n	a	S	U	hIU	sU
1	35	<i>Thero-Suaedetea</i>	TS	73	5	90,93	0,697	++	2
2	41	<i>Charetea fragilis</i>	CF	11	5	90,42	0,733	++	1
3	24	<i>Potametea</i>	PO	408	5	82,68	0,511	++	10
4	15	<i>Lemnetea</i>	LE	354	5	80,21	0,583	++	4
5	09	<i>Festucea vaginatae</i>	FV	30	15	63,85	0,522	++	9
6	42	<i>Carici rupestris-Kobresietea</i>	CK	485	42	63,62	0,496	+	12
7	08	<i>Erico-Pinetea</i>	EP	266	55	57,13	0,462	+	15
8	12	<i>Isoeto-Nanojuncetea</i>	IN	161	16	54,66	0,540	++	5
9	32	<i>Scheuchzerio-Caricetea fuscae</i>	SC	2373	29	47,24	0,468	+	13
10	46	<i>Betulo carpaticae-Alnetea viridis</i>	BA	58	48	47,06	0,418	+	16
11	18	<i>Molinio-Betuletea pubescentis</i>	MB	48	26	47,01	0,417	+	17
12	23	<i>Polygono arenastri-Poetea annuae</i>	PP	240	10	41,91	0,510	+	11
13	50	<i>Franguletea</i>	FR	14	20	40,69	0,533	++	6
14	11	<i>Festuco-Puccinellietea</i>	FP	372	18	40,26	0,525	++	8
15	16	<i>Isoeto-Littorelletea</i>	IL	27	8	40,18	0,617	++	3
16	29	<i>Robinieta</i>	RO	48	18	40,17	0,533	++	7
17	49	<i>Vaccinio uliginosi-Pinetea</i>	VU	54	15	39,61	0,343		27
18	25	<i>Pulsatillo-Pinetea</i>	PU	24	37	39,24	0,410	+	18
19	19	<i>Montio-Cardaminetea</i>	MC	678	17	38,60	0,463	+	14
20	40	<i>Oxycocco-Sphagnetea</i>	OS	146	15	37,89	0,341	–	28
21	14	<i>Koelerio-Corynephoretea</i>	KC	64	12	35,97	0,403	+	19
22	30	<i>Salicetea herbaceae</i>	SH	696	18	35,86	0,378		22
23	31	<i>Salicetea purpureae</i>	SP	344	26	33,45	0,386		21
24	13	<i>Caricetea curvulae</i>	CC	1133	20	33,15	0,286	–	35
25	01	<i>Alnetea glutinosae</i>	AG	380	28	27,53	0,337	–	29
26	10	<i>Festuco-Brometea</i>	FB	2375	37	27,36	0,378		23
27	04	<i>Bidentetea tripartitae</i>	BT	696	16	26,86	0,360		25
28	33	<i>Stellarietea mediae</i>	SM	2577	16	25,21	0,403	+	20
29	39	<i>Vaccinio-Piceetea</i>	VP	1409	31	25,21	0,279	–	36
30	03	<i>Asplenieta trichomanis</i>	AT	410	23	22,96	0,317	–	32
31	06	<i>Elyno-Seslerietea</i>	ES	1440	35	22,50	0,278	–	37
32	07	<i>Epilobietea angustifolii</i>	EA	356	29	22,38	0,308	–	33
33	02	<i>Artemisietea vulgaris</i>	AV	1725	21	20,90	0,364		24

Table 2. (Continued)

	Tv Code	Class	Abb	n	a	S	U	hIU	sU
34	45	<i>Loiseleurio-Vaccinietea</i>	LV	498	19	19,68	0,187	--	46
35	17	<i>Molinio-Arrhenatheretea</i>	MA	7360	34	19,50	0,325	-	30
36	48	<i>Calluno-Ulicetea</i>	CU	67	17	15,66	0,293	-	34
37	47	<i>Nardetea strictae</i>	NS	984	25	15,42	0,260	--	40
38	37	<i>Trifolio-Geranietea sanguinei</i>	TG	285	29	15,37	0,322	-	31
39	27	<i>Quercu-Fagetea</i>	QF	5669	35	14,44	0,275	--	38
40	44	<i>Roso pendulinae-Pinetea mugo</i>	RP	611	21	14,44	0,215	--	45
41	34	<i>Sedo-Scleranthetea</i>	SS	128	17	13,27	0,347		26
42	26	<i>Quercetea robori-petraeae</i>	QR	221	23	10,51	0,257	--	41
43	22	<i>Phragmito-Magnocaricetea</i>	PM	2754	14	10,35	0,256	--	42
44	28	<i>Rhamno-Prunetea</i>	RH	402	26	10,30	0,266	--	39
45	36	<i>Thlaspietea rotundifolii</i>	TR	571	20	5,53	0,233	--	43
46	43	<i>Galio-Urticetea</i>	GU	1883	17	4,73	0,230	--	44
47	20	<i>Mulgedio-Aconitetea</i>	MU	2314	29	2,57	0,181	--	47

of habitats, the ecological amplitude of most trees and shrubs is much wider (SILLINGER 1935) and reflects mainly meso- and macroclimatic conditions. In this manner, we can explain the floristic similarity of subalpine nitrophilous tall-herb communities of the *Adenostylion alliariae* and dwarf-pine and spruce vegetation occupying similar habitats with available nutrients and soil moisture (ŠIBÍK 2007).

Values of Uniqueness (U) of classes partially correlate with the values of Sharpness Index, which is different from the results obtained by the analysis of the Czech National Phytosociological Database (CHYTRÝ & TICHÝ 2003). A high value of the U Index shows high uniqueness of a given unit. The unit is considered unique when any of its diagnostic taxa (defined by Phi value > 0.05, see CHYTRÝ & TICHÝ 2003) is not concurrently diagnostic in any other unit. The uniqueness of a unit decreases if it shares some diagnostic taxa with other units. In general, rare vegetation units represented by small number of relevés and/or species-poor syntaxa occupying extreme habitats appear to form a group of the most unique units. The opposite group of units with the lowest values of the U Index includes also the classes occurring mostly in the subalpine belt – *Mulgedio-Aconitetea*, *Loiseleurio-Vaccinietea* and *Roso pendulinae-Pinetea mugo*, in which occur many taxa with positive fidelity to several syntaxa. The low frequency or absence of narrow specific forest-alpine transition zones or treeline-ecotone species (cf. KÖRNER 2003) might be explained by the sharing of numerous diagnostic species with several different syntaxa occurring in the subalpine belt.

The pairs of the most similar classes are presented in Table 3. In most cases, pair forming is based on floristic similarity between structurally different units (e.g., *Mulgedio-Aconitetea* and *Betulo carpaticae-Alnetea viridis*, *Loiseleurio-Vaccinietea* and *Caricetea curvulae*, *Elyno-Seslerietea* and *Erico-Pinetea*) or between successively ensuing vege-

Table 3. Classes with highest similarity to the other classes. Couples of classes are ranked by decreasing value of index T, which expresses similarity of the classes in the left column to the classes in the right column. Only 40 pairs with the highest similarity are shown.

Class 1	Class 2	T
1 20 <i>Mulgedio-Aconitetea</i>	46 <i>Betulo carpaticae-Alnetea viridis</i>	1.052
2 45 <i>Loiseleurio-Vaccinietea</i>	13 <i>Caricetea curvulae</i>	1.052
3 06 <i>Elyno-Seslerietea</i>	08 <i>Erico-Pinetea</i>	0.910
4 36 <i>Thlaspietea rotundifolii</i>	42 <i>Carici rupestris-Kobresietea bellardii</i>	0.882
5 45 <i>Loiseleurio-Vaccinietea</i>	42 <i>Carici rupestris-Kobresietea bellardii</i>	0.873
6 13 <i>Caricetea curvulae</i>	42 <i>Carici rupestris-Kobresietea bellardii</i>	0.866
7 14 <i>Koelerio-Corynephorotea</i>	09 <i>Festucetea vaginatae</i>	0.859
8 22 <i>Phragmito-Magnocaricetea</i>	01 <i>Alnetea glutinosae</i>	0.751
9 03 <i>Asplenietea trichomanis</i>	08 <i>Erico-Pinetea</i>	0.743
10 37 <i>Trifolio-Geranietea sanguinei</i>	10 <i>Festuco-Brometea</i>	0.712
11 40 <i>Oxycocco-Sphagnetea</i>	49 <i>Vaccinio uliginosi-Pinetea sylvestris</i>	0.675
12 44 <i>Roso pendulinae-Pinetea mugo</i>	39 <i>Vaccinio-Piceetea</i>	0.670
13 49 <i>Vaccinio uliginosi-Pinetea sylvestris</i>	40 <i>Oxycocco-Sphagnetea</i>	0.624
14 22 <i>Phragmito-Magnocaricetea</i>	31 <i>Salicetea purpureae</i>	0.615
15 13 <i>Caricetea curvulae</i>	45 <i>Loiseleurio-Vaccinietea</i>	0.560
16 43 <i>Galio-Urticetea</i>	31 <i>Salicetea purpureae</i>	0.558
17 44 <i>Roso pendulinae-Pinetea mugo</i>	46 <i>Betulo carpaticae-Alnetea viridis</i>	0.552
18 03 <i>Asplenietea trichomanis</i>	06 <i>Elyno-Seslerietea</i>	0.549
19 26 <i>Quercetea robori-petraeae</i>	25 <i>Pulsatillo-Pinetea</i>	0.533
20 06 <i>Elyno-Seslerietea</i>	42 <i>Carici rupestris-Kobresietea bellardii</i>	0.528
21 24 <i>Potametea</i>	15 <i>Lemnetea</i>	0.527
22 09 <i>Festucetea vaginatae</i>	14 <i>Koelerio-Corynephorotea</i>	0.520
23 34 <i>Sedo-Scleranthetea</i>	10 <i>Festuco-Brometea</i>	0.513
24 40 <i>Oxycocco-Sphagnetea</i>	18 <i>Molinio-Betuletea pubescentis</i>	0.505
25 28 <i>Rhamno-Prunetea</i>	27 <i>Quercu-Fagetea</i>	0.500
26 43 <i>Galio-Urticetea</i>	02 <i>Artemisietea vulgaris</i>	0.471
27 27 <i>Quercu-Fagetea</i>	25 <i>Pulsatillo-Pinetea</i>	0.468
28 04 <i>Bidentetea tripartitae</i>	12 <i>Isoeto-Nanojuncetea</i>	0.461
29 30 <i>Salicetea herbaceae</i>	42 <i>Carici rupestris-Kobresietea bellardii</i>	0.460
30 49 <i>Vaccinio uliginosi-Pinetea sylvestris</i>	18 <i>Molinio-Betuletea pubescentis</i>	0.435
31 15 <i>Lemnetea</i>	24 <i>Potametea</i>	0.432
32 01 <i>Alnetea glutinosae</i>	31 <i>Salicetea purpureae</i>	0.422
33 43 <i>Galio-Urticetea</i>	29 <i>Robinietea</i>	0.413
34 31 <i>Salicetea purpureae</i>	01 <i>Alnetea glutinosae</i>	0.408
35 13 <i>Caricetea curvulae</i>	30 <i>Salicetea herbaceae</i>	0.403
36 07 <i>Epilobietea angustifolii</i>	27 <i>Quercu-Fagetea</i>	0.400
37 26 <i>Quercetea robori-petraeae</i>	27 <i>Quercu-Fagetea</i>	0.393
38 02 <i>Artemisietea vulgaris</i>	33 <i>Stellarietea mediae</i>	0.392
39 39 <i>Vaccinio-Piceetea</i>	46 <i>Betulo carpaticae-Alnetea viridis</i>	0.390
40 10 <i>Festuco-Brometea</i>	37 <i>Trifolio-Geranietea sanguinei</i>	0.388

tation types (*Thlaspietea rotundifolii* and *Carici rupestris-Kobresietea bellardii*, *Asplenietea trichomanis* and *Elyno-Seslerietea*). Some authors (e.g., WESTHOFF 1967, PIGNATTI et al. 1995) do not reflect the differences in structure of floristically similar vegetation units in the syntaxonomical system of higher units (classes). Therefore, some vegetation surveys strictly follow the floristic criterion for delimitation of higher syntaxa (cf. MUCINA 1997). However, these authors also apply this principle only to a certain extent and only in some cases (ŠIBÍK 2007). For example, PIGNATTI et al. (1995) give several examples in their work of “ecoclineal classes”, but they preferred the ecological differentiation to vertical (and climatic) limits of some communities. In one case, the authors accept the differences between forest communities, based on different stages of succession and, hence, they accept the class *Rhamno-Prunetea*; in another case, they merged subalpine shrub and spruce vegetation (ŠIBÍK 2007).

Similarly to the Czech Republic (CHYTRÝ & TICHÝ 2003), it was also shown in Slovakia that the most similar are the structurally different communities of aquatic vegetation, *Potametea* (submerged vegetation) and *Lemnetea* (pleustonic vegetation). Communities defined on different plot sizes also appear similar – *Sedo-Scleranthetea* and *Festuco-Brometea*. CHYTRÝ & OTÝPKOVÁ (2003) point out that in some situations, sampling in either small or large plots may result in assignment of relevés to different phytosociological classes or habitat types. Therefore, defining vegetation and habitat types as scale-dependent concepts is needed. The similarity between *Elyno-Seslerietea* and *Erico-Pinetea* also could be interpreted by a different scale of sample plots. Relevés of *Sedo-Scleranthetea* and *Elyno-Seslerietea* are usually sampled in smaller plots than their adjacent classes.

In addition, few structurally homogeneous vegetation units show high similarity (e.g., *Koelerio-Corynephoretea* and *Festucetea vaginatae*, *Quercetea robori-petraeae* and *Pulsatillo-Pinetea*). In these cases, we might consider merging them into a single class (cf. CHYTRÝ & TICHÝ 2003). It is also important to take into account the fact that some vegetation units are at the border of their range in Slovakia and they are represented by fragmentary stands that lack some specific floristic elements. In a wider geographical context, it is possible that the differentiation of particular syntaxa would be confirmed.

1.3.2 Evaluation of alliances

The alliances *Cypero-Spergularion salinae*, *Halo-Trichophorion pumili* and *Puccinellion limosae*, belonging to the class *Festuco-Puccinellietea* (including inland salt-marshes), together with the *Littorelion uniflorae* (*Isoeto-Littorelletea*) and the *Radiolion linoidis* (*Isoeto-Nanojuncetea*), represent the sharpest alliances of our dataset, probably due to sharp ecological boundaries of these communities in conjunction with low species richness of individual vegetation types (Table 4). Some alliances from the classes with the highest Sharpness Index (e.g., *Thero-Camphorosmion – Thero-Suaedetea*, *Oxytropido-Elynon – Carici rupestris-Kobresietea bellardii* and *Charion fragilis – Charetea fragilis*) can be included in the sharpest units as well.

The appearance of the alliance *Dicrano-Pinion* (*Vaccinio-Piceetea*), and potentially some other vegetation units, among the sharpest units might be misleading to a certain extent due to a small number of relevés being included in a particular unit, which makes it a homogeneous group. In general, we would have expected a lower value of the Sharpness Index because of the unclear concept of this unit in Slovakia and because of

the high floristic similarity to the communities of the alliance *Pino-Quercion* (*Quercetea robori-petraeae*).

Similar to the classes (Table 2), some alliances are also predictably unsharp, which may be due to their general unsharpness either within Slovakia or within the whole distributional range. For example, the *Trifolion medii*, the alliance with the lowest value of the S Index, has also reached very low values of sharpness in the dataset from the Czech Republic (cf. CHYTRÝ & TICHÝ 2003). The low values of the Sharpness Index in some alliances of grassland vegetation [*Deschampsion cespitosae*, *Polygono-Trisetion* and *Potentillion anserinae* (*Molinio-Arrhenatheretea*)] may be a result of unclear syntaxonomical conception and delimitation in the past. After recent processing and revision of grassland vegetation by formalised methods (cf. JANIŠOVÁ et al. 2007), these units may not appear as some of the least sharp vegetations.

Location of the alliance *Alnion incane* (alluvial woodlands) within a group of the least sharp communities is a distinctly different result in comparison with the Czech Republic (CHYTRÝ & TICHÝ 2003), where it is located among the twenty sharpest alliances. We explain this difference by the heterogeneity of the alliance, which comprises two suballiances, *Alnenion glutinoso-incanae* and *Ulmenion*. CHYTRÝ & TICHÝ (2003) assume that in a case like this, the heterogeneous alliance, including two or more well-defined vegetation types, should be characterized by its own groups of diagnostic species. If taken as a single group, these species will have low values of fidelity compared to the alliance, and the Sharpness Index for the alliance will be rather low.

Similar to the class analysis, uniqueness of the alliances was also partially correlated with values of sharpness (Table 4). This is again a difference between our results and those of CHYTRÝ & TICHÝ (2003), where the values of the Uniqueness Index were not correlated with sharpness. In general, the syntaxa with the highest values of sharpness were, in our analysis, the same as the syntaxa with the highest values of uniqueness.

In Table 5, there are pairs of alliances ranked by decreasing values of index T, which expresses similarity of the alliances in the left column to the alliances in the right column. Similar to the analysis of individual classes, high similarities are indicated between the structurally different but floristically similar vegetation types, or between types dependent on a different scale of sample plots (e.g., *Astero alpini-Seslerion calcariae* and *Pulsatillo slavicae-Pinion*, *Juncion trifidi* and *Loiseleurio-Vaccinion*, *Calamagrostion arundinaceae* and *Salicion silesiaca*, *Calamagrostion varia* and *Pulsatillo slavicae-Pinion*).

In addition, alliances forming pairs with successively close vegetation units appear to be the most similar (e.g., *Astero alpini-Seslerion calcariae* and *Potentillion caulescentis*). Pairs of the most similar alliances, ranked within particular classes, support their classification within the same class (e.g., *Vaccinion myrtilli* and *Loiseleurio-Vaccinion*, *Festucion versicoloris* and *Oxytropido-Elynion*, *Sphagnion medii* and *Oxycocco-Empetrium hermaphroditi*).

The last group of syntaxa, forming pairs based on sharing diagnostic taxa, were the structurally homogeneous vegetation units (e.g., *Alopecurion pratensis* and *Cnidion venosi*, *Genisto germanicae-Quercion* and *Quercion petraeae*, *Athyrio alpestris-Piceion* and *Chrysanthemo rotundifolii-Piceion*, *Piceion excelsae* and *Abietion albae*). In certain circumstances (e.g., in case of identical ecological characteristics together with the same distributional area), merging these into one unit should be considered. In the case of lowland alluvial meadows (*Deschampsion cespitosae*, *Alopecurion pratensis*, *Cnidion*

Table 4. Sharpness Index (S) and Uniqueness Index (U) of vegetation alliances of Slovakia, ranked by decreasing values of the Sharpness index.

Explanations: **Tv Code** – Turboveg Code; **Abb** – Abbreviation of alliance name; **n** – No. of relevés; **a** – Average taxa No. rounded to the whole number; **hIU** – Twenty (Fourty) highest [+ + (+)] and lowest [- -(-)] values of the Index U; **sU** – Sequence of the classes ranked by decreasing values of the Index U.

	TV code	Alliance	Abb	n	a	S	U	hIU	sU
1	11DA	<i>Cypero-Spergularion salinae</i>	<i>Cyp-Spe</i>	33	4	75,62	0,604	++	4
2	16AA	<i>Littorelion uniflorae</i>	<i>Lit uni</i>	3	1	74,79	1,000	++	1
3	12AB	<i>Radiolion linoidis</i>	<i>Rad lin</i>	25	9	64,38	0,671	++	3
4	11AB	<i>Halo-Trichophorion pumili</i>	<i>Hal-Tri</i>	24	10	59,28	0,494	++	7
5	11BA	<i>Puccinellion limosae</i>	<i>Puc lim</i>	73	11	52,13	0,345	++	14
6	35AB	<i>Thero-Camphorosmion</i>	<i>The-Cam</i>	73	5	50,19	0,439	++	9
7	42AA	<i>Oxytropido-Elynon</i>	<i>Oxy-Ely</i>	122	59	47,45	0,324	++	16
8	41BA	<i>Charion fragilis</i>	<i>Cha fra</i>	11	5	47,19	0,510	++	6
9	16BB	<i>Sphagno-Utricularion minoris</i>	<i>Sph-Utr</i>	15	5	44,21	0,573	++	5
10	15CA	<i>Hydrocharition morsus-ranae</i>	<i>Hyd mor</i>	151	6	39,83	0,302	++	20
11	11AC	<i>Beckmanion eruciformis</i>	<i>Bec eru</i>	7	16	39,40	0,444	++	8
12	19AC	<i>Philonotidion seriatae</i>	<i>Phi ser</i>	27	18	39,37	0,331	++	15
13	24AA	<i>Nymphaeion albae</i>	<i>Nym alb</i>	157	4	37,81	0,290	+	27
14	33AB	<i>Sherardion arvensis</i>	<i>She arv</i>	34	36	36,70	0,314	++	17
15	36BA	<i>Androsacion alpinae</i>	<i>And alp</i>	79	34	36,44	0,300	+	21
16	39CA	<i>Dicrano-Pinion</i>	<i>Dic-Pin</i>	10	22	35,38	0,290	+	26
17	24BA	<i>Ranunculon fluitantis</i>	<i>Ran flu</i>	40	5	34,02	0,365	++	12
18	30AA	<i>Salicion herbaceae</i>	<i>Sal her</i>	286	15	33,23	0,299	+	22
19	24AB	<i>Potamion lucentis</i>	<i>Pot luc</i>	77	5	33,09	0,230		45
20	09AA	<i>Festucion vaginatae</i>	<i>Fes vag</i>	30	15	30,36	0,310	++	19
21	24AC	<i>Potamion pusilli</i>	<i>Pot pus</i>	70	4	28,13	0,253	+	35
22	32BB	<i>Rhynchosporion albae</i>	<i>Rhy alb</i>	36	18	27,18	0,270	+	29
23	08AA	<i>Pulsatillo slavicae-Pinion</i>	<i>Pul-Pin</i>	266	55	26,73	0,204		60
24	29AB	<i>Balloto nigrae-Robinion</i>	<i>Bal-Rob</i>	21	19	26,33	0,294	+	23
25	03AA	<i>Potentillion caulescentis</i>	<i>Pot cau</i>	92	24	26,01	0,204		61
26	30BA	<i>Arabidion caeruleae</i>	<i>Ara cae</i>	68	38	25,93	0,219		50
27	15BA	<i>Utricularion vulgaris</i>	<i>Utr vul</i>	28	6	25,71	0,347	++	13
28	15AA	<i>Lemnon minoris</i>	<i>Lem min</i>	175	4	24,88	0,215		51
29	40AA	<i>Oxycocco-Empetrium</i>	<i>Oxy-Emp</i>	57	14	24,52	0,206		59
30	42AB	<i>Festucion versicoloris</i>	<i>Fes ver</i>	363	36	24,09	0,177		69
31	06AA	<i>Caricion firmae</i>	<i>Car fir</i>	375	36	23,86	0,213		53
32	27AC	<i>Aceri tatarici-Quercion</i>	<i>Ace-Que</i>	42	40	23,77	0,249	+	38
33	14BA	<i>Koelerion arenariae</i>	<i>Koe are</i>	5	17	23,27	0,700	++	2
34	49AB	<i>Eriophoro-Piceion abietis</i>	<i>Eri-Pic</i>	54	15	23,11	0,187		68

Table 4. (Continued)

	TV code	Alliance	Abb	n	a	S	U	hIU	sU
35	17BE	<i>Cnidion venosi</i>	<i>Cni ven</i>	178	32	22,89	0,234		41
36	19AA	<i>Cratoneuro filicini-Calthion laetae</i>	<i>Cra-Cal</i>	265	14	22,73	0,230		44
37	03BA	<i>Cymbalario-Asplenion</i>	<i>Cym-Asp</i>	34	10	22,51	0,405	++	10
38	12AA	<i>Nanocyperion flavescens</i>	<i>Nan fla</i>	60	17	22,07	0,250	+	37
39	03CD	<i>Hypno-Polypodium vulgaris</i>	<i>Hyp-Pol</i>	26	17	21,98	0,264	+	30
40	24BB	<i>Ranuncion aquatilis</i>	<i>Ran aqu</i>	64	6	21,38	0,246	+	40
41	48AC	<i>Euphorbio-Callunion vulgaris</i>	<i>Eup-Cal</i>	9	17	21,22	0,220		49
42	11CA	<i>Festucion pseudovinae</i>	<i>Fes pse</i>	102	20	20,78	0,256	+	33
43	45AA	<i>Loiseleurio-Vaccinion</i>	<i>Loi-Vac</i>	240	20	20,38	0,154		95
44	32BE	<i>Sphagnion cuspidati</i>	<i>Sph cus</i>	46	7	20,16	0,226		47
45	17BF	<i>Veronico longifoliae-Lysimachion</i>	<i>Ver-Lys</i>	5	22	20,08	0,293	+	24
46	10AB	<i>Asplenio-Festucion pallentis</i>	<i>Asp-Fes</i>	162	30	19,70	0,234		43
47	33EA	<i>Eragrostion</i>	<i>Eragros</i>	110	14	17,86	0,210		56
48	03CB	<i>Asplenion septentrionalis</i>	<i>Asp sep</i>	29	13	17,28	0,310	++	18
49	26BA	<i>Pino-Quercion</i>	<i>Pin-Que</i>	71	19	17,12	0,206		57
50	36DA	<i>Galeopsis segetum</i>	<i>Gal seg</i>	76	13	16,85	0,257	+	32
51	33DC	<i>Malvion neglectae</i>	<i>Mal neg</i>	213	14	16,59	0,213		54
52	28AC	<i>Prunio fruticosae</i>	<i>Pru fru</i>	52	31	16,44	0,246	+	39
53	14AA	<i>Corynephorion canescens</i>	<i>Cor can</i>	59	12	16,07	0,234		42
54	33EB	<i>Salsolion ruthenicae</i>	<i>Sal rut</i>	73	15	15,79	0,213		55
55	33AA	<i>Caucalidion lappulae</i>	<i>Cau lap</i>	230	20	15,76	0,176		72
56	02AC	<i>Erysimo wittmannii-Hackelion</i>	<i>Ery-Hac</i>	177	23	15,70	0,225		48
57	28BB	<i>Arctio-Sambucion nigrae</i>	<i>Arc-Sam</i>	26	10	15,14	0,250	+	36
58	23AA	<i>Matricario-Polygonion</i>	<i>Mat-Pol</i>	223	10	15,13	0,188		67
59	50AB	<i>Ulici-Sarothamnion</i>	<i>Uli-Sar</i>	14	20	15,13	0,253	+	34
60	36AA	<i>Papaverion tatricum</i>	<i>Pap tat</i>	94	22	15,07	0,166		84
61	13AA	<i>Juncion trifidi</i>	<i>Jun tri</i>	1133	20	14,95	0,135		114
62	34AA	<i>Thero-Airion</i>	<i>The-Air</i>	8	13	14,59	0,290	+	25
63	33BB	<i>Spergulo-Oxalidion</i>	<i>Spe-Oxa</i>	77	21	14,48	0,169		80
64	10AF	<i>Diantho-Seslerion albicans</i>	<i>Dia-Ses</i>	237	30	14,40	0,150		99
65	04AB	<i>Chenopodium glaucum</i>	<i>Che gla</i>	311	15	14,07	0,152		98
66	46AA	<i>Salicion silesiacae</i>	<i>Sal sil</i>	58	48	14,05	0,144		102
67	12AD	<i>Elatini-Eleocharition ovatae</i>	<i>Ela-Ele</i>	76	16	13,53	0,228		46
68	31AB	<i>Salicion triandrae</i>	<i>Sal tri</i>	34	25	13,28	0,200		63
69	10CA	<i>Koelerio-Phleion phleoidis</i>	<i>Koe-Phl</i>	51	33	13,21	0,189		66
70	03AB	<i>Cystopteridion</i>	<i>Cystopt</i>	229	27	13,05	0,175		74
71	32CB	<i>Caricion lasiocarpae</i>	<i>Car las</i>	175	22	12,97	0,173		76

Table 4. (Continued)

	TV code	Alliance	Abb	n	a	S	U	hIU	sU
72	16AC	<i>Eleocharition acicularis</i>	<i>Ele aci</i>	6	8	12,94	0,405	++	11
73	31AC	<i>Salicion albae</i>	<i>Sal alb</i>	250	24	12,90	0,171		79
74	10BA	<i>Bromion erecti</i>	<i>Bro ere</i>	269	47	12,47	0,153		97
75	33AC	<i>Veronico-Euphorbion</i>	<i>Ver-Eup</i>	396	16	12,30	0,175		73
76	23AB	<i>Saginion procumbentis</i>	<i>Sag pro</i>	17	13	12,27	0,201		62
77	48AA	<i>Geniston pilosae</i>	<i>Gen pil</i>	44	17	12,27	0,176		71
78	18AA	<i>Eriphoro-Betulion pubescentis</i>	<i>Eri-Bet</i>	48	26	12,10	0,164		86
79	10AC	<i>Bromo-Festucion pallentis</i>	<i>Bro-Fes</i>	474	31	11,85	0,162		88
80	27AA	<i>Quercion pubescenti-petraeae</i>	<i>Que pub</i>	392	46	11,82	0,162		89
81	33DB	<i>Atriplicion nitentis</i>	<i>Atr nit</i>	296	13	11,70	0,171		78
82	33BC	<i>Panico-Setarion</i>	<i>Pan-Set</i>	274	14	11,14	0,119		129
83	33BA	<i>Scleranthion annui</i>	<i>Scl ann</i>	268	22	11,02	0,144		101
84	17BC	<i>Molinion</i>	<i>Molinio</i>	364	36	10,65	0,157		92
85	16BA	<i>Scorpidio-Utricularion minoris</i>	<i>Sco-Utr</i>	3	31	10,56	0,278	+	28
86	27AB	<i>Quercion confertae-cerris</i>	<i>Que-cer</i>	155	41	10,49	0,137		111
87	30AB	<i>Festucion picturatae</i>	<i>Fes pic</i>	342	18	10,47	0,113		134
88	40AB	<i>Sphagnion medii</i>	<i>Sph med</i>	89	16	10,40	0,140		107
89	22BB	<i>Phalaridion arundinaceae</i>	<i>Pha aru</i>	127	18	10,25	0,137		112
90	37BB	<i>Teucrion scordoniae</i>	<i>Teu sco</i>	16	17	10,02	0,196		64
91	32AG	<i>Sphagno-Tomenthypnion</i>	<i>Sph-Tom</i>	17	30	9,78	0,164		87
92	39BB	<i>Chrysanthemo rotundifolii-Piceion</i>	<i>Chr-Pic</i>	153	38	9,65	0,109	-	136
93	19AE	<i>Cratoneurion commutati</i>	<i>Cra com</i>	156	21	9,53	0,169		81
94	36CC	<i>Arabidion alpinae</i>	<i>Ara alp</i>	37	23	9,26	0,166		83
95	19BC	<i>Caricion remotae</i>	<i>Car rem</i>	187	17	9,25	0,153		96
96	31AA	<i>Salicion incanae</i>	<i>Sal inc</i>	60	34	9,06	0,174		75
97	27BC	<i>Tilio-Acerion</i>	<i>Til-Ace</i>	429	35	8,90	0,125		120
98	48AD	<i>Genisto pilosae-Vaccinion</i>	<i>Gen-Vac</i>	14	16	8,87	0,134		115
99	34BA	<i>Arabidopsidion thalianae</i>	<i>Ara tha</i>	37	16	8,68	0,194		65
100	43BA	<i>Senecionion fluviatilis</i>	<i>Sen flu</i>	503	15	8,44	0,162		90
101	02AA	<i>Onopordion acanthii</i>	<i>Ono aca</i>	204	25	8,32	0,167		82
102	01BA	<i>Alnion glutinosae</i>	<i>Aln glu</i>	263	32	8,25	0,147		100
103	10BB	<i>Cirsio-Brachypodion pinnati</i>	<i>Cir-Bra</i>	458	51	8,25	0,143		103
104	32CD	<i>Sphagno-Caricion canescentis</i>	<i>Sph-Car</i>	171	18	8,06	0,122		123
105	32CC	<i>Drepanoclacion exannulati</i>	<i>Dre exa</i>	157	29	8,05	0,139		108
106	06AC	<i>Seslerion tatrae</i>	<i>Ses tat</i>	193	42	7,79	0,119		127
107	11AA	<i>Juncion gerardii</i>	<i>Jun ger</i>	133	23	7,45	0,133		116

Table 4. (Continued)

	TV code	Alliance	Abb	n	a	S	U	hIU	sU
108	27AD	<i>Quercion petraeae</i>	<i>Que pet</i>	108	38	7,34	0,136		113
109	22CA	<i>Oenanthion aquaticae</i>	<i>Oen aqu</i>	235	10	7,30	0,172		77
110	43AE	<i>Rumicion alpini</i>	<i>Rum alp</i>	97	14	7,21	0,158		91
111	28BA	<i>Sambuco-Salicion capraeae</i>	<i>Sam-Sal</i>	7	29	7,18	0,206		58
112	17DA	<i>Plantagini-Prunellion</i>	<i>Pla-Pru</i>	67	18	7,01	0,133		117
113	07AA	<i>Atropion</i>	<i>Atropio</i>	136	38	6,99	0,143		104
114	19BB	<i>Lycopodio-Cratoneurion</i>	<i>Lyc-Cra</i>	43	19	6,86	0,155		94
115	33DA	<i>Sisymbrium officinalis</i>	<i>Sis off</i>	456	15	6,71	0,130		118
116	39BC	<i>Athyrio alpestris-Piceion</i>	<i>Ath-Pic</i>	70	28	6,61	0,107	–	139
117	20EA	<i>Petasion officinalis</i>	<i>Pet off</i>	665	28	6,58	0,113		132
118	39BD	<i>Abietion albae</i>	<i>Abi alb</i>	267	42	6,52	0,121		125
119	20CD	<i>Calamagrostion variaae</i>	<i>Cal var</i>	101	42	6,49	0,123		121
120	22BA	<i>Sparganio-Glycerion</i>	<i>Sph-Gly</i>	178	10	6,41	0,141		106
121	20CB	<i>Trisetion fusci</i>	<i>Tri fus</i>	300	24	6,39	0,104	–	147
122	20DA	<i>Adenostylon</i>	<i>Adenost</i>	349	26	6,37	0,105	–	145
123	29AA	<i>Chelidonio-Robinion</i>	<i>Che-Rob</i>	27	16	6,24	0,157		93
124	22DA	<i>Cirsio-Bolboschoenion</i>	<i>Cir-Bol</i>	42	15	6,20	0,215		52
125	20CC	<i>Calamagrostion arundinaceae</i>	<i>Cal aru</i>	379	37	6,17	0,110		135
126	25AA	<i>Cytiso ruthenici-Pinion</i>	<i>Cyt-Pin</i>	24	37	6,04	0,141		105
127	20CE	<i>Festucion carpaticae</i>	<i>Fes car</i>	144	40	5,89	0,113		131
128	36CB	<i>Parietation officinalis</i>	<i>Par off</i>	36	14	5,88	0,176		70
129	06AB	<i>Astero alpini-Seslerion calcariae</i>	<i>Ast-Ses</i>	872	33	5,83	0,119		128
130	33EC	<i>Eragrostio-Polygonion arenastri</i>	<i>Era-Pol</i>	150	12	5,74	0,122		122
131	32AB	<i>Caricion davallianae</i>	<i>Car dav</i>	1280	32	5,68	0,121		124
132	39BA	<i>Oxalido-Piceion</i>	<i>Oxa-Pic</i>	58	26	5,49	0,108	–	137
133	20CA	<i>Calamagrostion villosae</i>	<i>Cal vil</i>	376	21	5,44	0,086	--	166
134	27BB	<i>Carpinion betuli</i>	<i>Car bet</i>	1603	34	5,25	0,118		130
135	04AA	<i>Bidention tripartitae</i>	<i>Bid tri</i>	385	17	5,09	0,107	–	138
136	17EC	<i>Alchemillo-Poion supinae</i>	<i>Alc-Poi</i>	44	18	4,99	0,100	–	151
137	47AC	<i>Violion caninae</i>	<i>Vio can</i>	59	31	4,95	0,106	–	142
138	10AA	<i>Festucion valesiacae</i>	<i>Fes val</i>	724	33	4,90	0,139		109
139	43AD	<i>Carduo-Urticion dioicae</i>	<i>Car-Urt</i>	176	20	4,89	0,105	–	143
140	43AC	<i>Aegopodion podagrariae</i>	<i>Aeg pod</i>	413	20	4,37	0,095	--	156
141	02BA	<i>Convolvulo-Agropyron repentis</i>	<i>Con-Agr</i>	259	14	4,35	0,101	–	150
142	28AA	<i>Berberidion vulgaris</i>	<i>Ber vul</i>	245	26	4,31	0,106	–	141
143	47AA	<i>Nardion</i>	<i>Nardion</i>	274	20	4,24	0,076	--	170
144	28AB	<i>Corylo-Populion tremulae</i>	<i>Cor-Pop</i>	72	29	4,21	0,113		133

Table 4. (Continued)

	TV code	Alliance	Abb	n	a	S	U	hU	sU
145	01AA	<i>Salicion cinereae</i>	<i>Sal cin</i>	117	21	3,88	0,127		119
146	34CA	<i>Alyso alyssoidis-Sedion albi</i>	<i>Aly-Sed</i>	83	18	3,69	0,137		110
147	17CD	<i>Juncion effusi</i>	<i>Jun eff</i>	25	20	3,62	0,165		85
148	02AB	<i>Dauco-Melilotion</i>	<i>Dau-Mel</i>	754	23	3,53	0,120		126
149	17BB	<i>Alopecurion pratensis</i>	<i>Alo pra</i>	348	27	3,46	0,099	–	152
150	17EB	<i>Poion alpinae</i>	<i>Poi alp</i>	78	29	3,41	0,087	--	165
151	02AD	<i>Arction lappae</i>	<i>Arc lap</i>	331	17	3,30	0,098	–	153
152	22EA	<i>Magnocaricion elatae</i>	<i>Mag ela</i>	1426	17	3,15	0,104	–	146
153	17AA	<i>Arrhenatherion elatioris</i>	<i>Arh ela</i>	1810	39	2,94	0,097	–	154
154	22AA	<i>Phragmition australis</i>	<i>Phr aus</i>	746	10	2,68	0,105	–	144
155	27BD	<i>Fagion</i>	<i>Fagion</i>	2011	33	2,64	0,094	--	157
156	43AA	<i>Galio-Alliarion</i>	<i>Gal-All</i>	553	16	2,62	0,107	–	140
157	44AA	<i>Pinion mugo</i>	<i>Pin mug</i>	611	21	2,50	0,092	--	161
158	36CA	<i>Stipion calamagrostis</i>	<i>Sti cal</i>	249	17	2,42	0,101	–	149
159	37AA	<i>Geranion sanguinei</i>	<i>Ger san</i>	218	29	2,24	0,097	–	155
160	26AA	<i>Genisto germanicae-Quercion</i>	<i>Gen-Que</i>	150	25	2,23	0,092	--	159
161	37BA	<i>Melampyrium pratensis</i>	<i>Mel pra</i>	3	19	2,02	0,260	+	31
162	39AA	<i>Piceion excelsae</i>	<i>Pic exc</i>	851	27	1,89	0,090	--	162
163	32CA	<i>Caricion fuscae</i>	<i>Car fus</i>	491	29	1,85	0,093	--	158
164	17BA	<i>Calthion palustris</i>	<i>Cal pal</i>	1580	32	1,74	0,082	--	169
165	43AB	<i>Impatienti noli-tangere-Stachyion</i>	<i>Imp-Sta</i>	141	18	1,58	0,076	--	171
166	07AC	<i>Carici piluliferae-Epilobion</i>	<i>Car-Epi</i>	220	23	1,48	0,074	--	174
167	17AB	<i>Cynosurion cristati</i>	<i>Cyn cri</i>	1866	36	1,48	0,087	--	164
168	45AB	<i>Vaccinion myrtilli</i>	<i>Vac myr</i>	258	18	1,40	0,063	--	175
169	27BE	<i>Luzulo-Fagion</i>	<i>Luz-Fag</i>	189	23	1,26	0,086	--	167
170	47AB	<i>Nardo-Agrostion tenuis</i>	<i>Nar-Agr</i>	651	27	1,08	0,082	--	168
171	17BD	<i>Deschampsion caespitosae</i>	<i>Des cae</i>	141	31	0,84	0,074	--	173
172	17EA	<i>Polygono-Trisetion</i>	<i>Pol-Tri</i>	541	40	0,66	0,089	--	163
173	17CA	<i>Potentillion anserinae</i>	<i>Pot ans</i>	313	18	0,06	0,075	--	172
174	27BA	<i>Alnion incanae</i>	<i>Aln inc</i>	740	35	0,03	0,092	--	160
175	37AB	<i>Trifolion medii</i>	<i>Tri med</i>	48	31	0,03	0,103	–	148

venosi, *Veronico longifoliae-Lysimachion vulgaris*), their similarity was recently reflected in the current phytosociological system (cf. BOTTA-DUKÁT et al. 2005, ČERNÝ & ŠUMBEROVÁ 2007, HÁJKOVÁ 2007). The high similarity of several syntaxa to another syntaxa may result from their unsharpness (cf. CHYTRÝ & TICHÝ 2003).

Table 5. Alliances with highest similarity to the other alliances. Couples of alliances are ranked by decreasing value of index T, which expresses similarity of the alliances in the left column to the alliances in the right column. Only 100 pairs with the highest similarity are shown.

Alliance 1	Alliance 2	T
1 06AB <i>Astero alpini-Seslerion calcariae</i>	08AA <i>Pulsatillo slavicae-Pinion</i>	1.245
2 17BB <i>Alopecurion pratensis</i>	17BE <i>Cnidion venosi</i>	1.188
3 45AB <i>Vaccinion myrtilli</i>	45AA <i>Loiseleurio-Vaccinion</i>	1.177
4 29AA <i>Chelidonio-Robinion</i>	29AB <i>Balloto nigrae-Robinion</i>	1.044
5 33BC <i>Panico-Setarion</i>	33BB <i>Spergulo-Oxalidion</i>	1.040
6 26AA <i>Genisto germanicae-Quercion</i>	27AD <i>Quercion petraeae</i>	1.013
7 33BA <i>Scleranthion annui</i>	33AB <i>Sherardion arvensis</i>	0.996
8 39BA <i>Oxalido-Piceion</i>	39BB <i>Chrysanthemo rotundifolii-Piceion</i>	0.982
9 07AC <i>Carici piluliferae-Epilobion</i>	7AA <i>Atropion</i>	0.971
10 33AA <i>Caucalidion lappulae</i>	33AB <i>Sherardion arvensis</i>	0.967
11 39BC <i>Athyrio alpestris-Piceion</i>	39BB <i>Chrysanthemo rotundifolii-Piceion</i>	0.960
12 39AA <i>Piceion excelsae</i>	39BD <i>Abietion albae</i>	0.950
13 13AA <i>Juncion trifidi</i>	42AB <i>Festucion versicoloris</i>	0.934
14 27BA <i>Alnion incanae</i>	27AC <i>Aceri tatarici-Quercion</i>	0.924
15 27BD <i>Fagion</i>	27BC <i>Tilio-Acerion</i>	0.909
16 13AA <i>Juncion trifidi</i>	45AA <i>Loiseleurio-Vaccinion</i>	0.907
17 42AB <i>Festucion versicoloris</i>	42AA <i>Oxytropido-Elyinion</i>	0.902
19 40AB <i>Sphagnion medii</i>	40AA <i>Oxycocco-Empetrion hermaphroditi</i>	0.900
18 06AA <i>Caricion firmae</i>	42AA <i>Oxytropido-Elyinion</i>	0.900
20 07AC <i>Carici piluliferae-Epilobion angustifolii</i>	28BA <i>Sambuco-Salicion capreae</i>	0.895
21 17AB <i>Cynosurion cristati</i>	10BB <i>Cirsio-Brachypodion pinnati</i>	0.893
22 17CA <i>Potentillion anserinae</i>	17BE <i>Cnidion venosi</i>	0.886
23 14AA <i>Corynephorion canescentis</i>	09AA <i>Festucion vaginatae</i>	0.884
24 17AB <i>Cynosurion cristati</i>	17AA <i>Arrhenatherion elatioris</i>	0.867
25 06AC <i>Seslerion tatrae</i>	42AA <i>Oxytropido-Elyinion</i>	0.863
26 17AA <i>Arrhenatherion elatioris</i>	10BA <i>Bromion erecti</i>	0.861
27 32CA <i>Caricion fuscae</i>	32AB <i>Caricion davallianae</i>	0.859
28 39AA <i>Piceion excelsae</i>	39BB <i>Chrysanthemo rotundifolii-Piceion</i>	0.852
29 17AA <i>Arrhenatherion elatioris</i>	10BB <i>Cirsio-Brachypodion pinnati</i>	0.851
30 30AB <i>Festucion picturatae</i>	30AA <i>Salicion herbaceae</i>	0.844
31 10BA <i>Bromion erecti</i>	10BB <i>Cirsio-Brachypodion pinnati</i>	0.843
32 33BC <i>Panico-Setarion</i>	33AB <i>Sherardion arvensis</i>	0.839
33 27BD <i>Fagion</i>	39BD <i>Abietion albae</i>	0.838
34 45AB <i>Vaccinion myrtilli</i>	13AA <i>Juncion trifidi</i>	0.826
35 15AA <i>Lemnon minoris</i>	15CA <i>Hydrocharition morsus-ranae</i>	0.823
36 43AB <i>Impatienti noli-tangere-Stachyion sylvaticae</i>	27BA <i>Alnion incanae</i>	0.815
37 27BE <i>Luzulo-Fagion</i>	39BD <i>Abietion albae</i>	0.814
38 17BD <i>Deschampsion caespitosae</i>	17BE <i>Cnidion venosi</i>	0.811
39 10BB <i>Cirsio-Brachypodion pinnati</i>	10BA <i>Bromion erecti</i>	0.806
40 02BA <i>Convolvulo-Agropyrion repentis</i>	02AB <i>Dauco-Melilotion</i>	0.805
42 28AA <i>Berberidion vulgaris</i>	27AC <i>Aceri tatarici-Quercion</i>	0.800
41 01AA <i>Salicion cinereae</i>	01BA <i>Alnion glutinosae</i>	0.800
43 20CC <i>Calamagrostion arundinaceae</i>	46AA <i>Salicion silesiacae</i>	0.799
44 10AA <i>Festucion valesiacae</i>	10AC <i>Bromo pannonicum-Festucion pallentis</i>	0.798
45 37AA <i>Geranion sanguinei</i>	27AA <i>Quercion pubescenti-petraeae</i>	0.793
46 37BA <i>Melampyrion pratensis</i>	27AD <i>Quercion petraeae</i>	0.786
47 45AA <i>Loiseleurio-Vaccinion</i>	13AA <i>Juncion trifidi</i>	0.784
48 17BD <i>Deschampsion caespitosae</i>	17BB <i>Alopecurion pratensis</i>	0.781
49 30AB <i>Festucion picturatae</i>	36BA <i>Androsacion alpinae</i>	0.779
50 17AB <i>Cynosurion cristati</i>	10BA <i>Bromion erecti</i>	0.773

Table 5. (Continued)

Alliance 1	Alliance 2	T
51 32CD <i>Sphagno recurvi-Caricion canescentis</i>	18AA <i>Eriophoro-Betulion pubescentis</i>	0.773
52 32CA <i>Caricion fuscae</i>	32CC <i>Drepanocladion exannulati</i>	0.773
53 33BB <i>Spergulo-Oxalidion</i>	33AB <i>Sherardion arvensis</i>	0.767
54 20CD <i>Calamagrostion variae</i>	08AA <i>Pulsatillo slavicae-Pinion</i>	0.766
55 47AA <i>Nardion</i>	45AA <i>Loiseleurio-Vaccinon</i>	0.766
56 17AB <i>Cynosurion cristati</i>	17EA <i>Polygono-Trisetion</i>	0.764
57 47AA <i>Nardion</i>	20CA <i>Calamagrostion villosae</i>	0.764
58 43AB <i>Impatienti noli-tangere-Stachyion sylvaticae</i>	07AA <i>Atropion</i>	0.760
59 17EA <i>Polygono-Trisetion</i>	17AA <i>Arrhenatherion elatioris</i>	0.759
60 19AA <i>Cratoneuro filicini-Calthion laetae</i>	19AC <i>Philonotidion seriatae</i>	0.754
61 39BA <i>Oxalido-Piceion</i>	39BC <i>Athyrio alpestris-Piceion</i>	0.754
62 40AB <i>Sphagnion medii</i>	49AB <i>Eriophoro-Piceion abietis</i>	0.754
63 43AB <i>Impatienti noli-tangere-Stachyion sylvaticae</i>	27BC <i>Tilio-Acerion</i>	0.746
64 47AA <i>Nardion</i>	13AA <i>Juncion trifidi</i>	0.738
65 45AB <i>Vaccinon myrtilli</i>	42AB <i>Festucion versicoloris</i>	0.737
66 27BB <i>Carpinion betuli</i>	27AB <i>Quercion confertae-cerris</i>	0.733
67 42AB <i>Festucion versicoloris</i>	36BA <i>Androsacion alpinae</i>	0.729
68 07AC <i>Carici piluliferae-Epilobion angustifolii</i>	39BD <i>Abietion albae</i>	0.724
69 33EC <i>Eragrostio-Polygonion arenastri</i>	33EA <i>Eragrostion</i>	0.718
70 33BA <i>Scleranthion annui</i>	33AA <i>Caucalidion lappulae</i>	0.717
71 39BA <i>Oxalido-Piceion</i>	39BD <i>Abietion albae</i>	0.716
72 39BC <i>Athyrio alpestris-Piceion</i>	39BD <i>Abietion albae</i>	0.714
73 17AA <i>Arrhenatherion elatioris</i>	17EA <i>Polygono-Trisetion</i>	0.713
74 47AB <i>Nardo-Agrostion tenuis</i>	47AC <i>Violion caninae</i>	0.711
75 02BA <i>Convolvulo-Agropyrion repentis</i>	02AA <i>Onopordion acanthii</i>	0.710
76 20CA <i>Calamagrostion villosae</i>	30AB <i>Festucion picturatae</i>	0.708
77 39AA <i>Piceion excelsae</i>	39BC <i>Athyrio alpestris-Piceion</i>	0.708
79 37AB <i>Trifolion medii</i>	10BB <i>Cirsio-Brachypodion pinnati</i>	0.705
78 22EA <i>Magnocaricion elatae</i>	17BE <i>Cnidion venosi</i>	0.705
80 02AB <i>Dauco-Meliloton</i>	02AA <i>Onopordion acanthii</i>	0.704
81 37BA <i>Melampyrion pratensis</i>	26AA <i>Genisto germanicae-Quercion</i>	0.702
82 32CD <i>Sphagno recurvi-Caricion canescentis</i>	32AG <i>Sphagno warnstorffiani-Tomenthypnion</i>	0.700
83 22AA <i>Phragmition australis</i>	22EA <i>Magnocaricion elatae</i>	0.698
84 22AA <i>Phragmition australis</i>	22CA <i>Oenanthion aquaticae</i>	0.696
85 45AA <i>Loiseleurio-Vaccinon</i>	42AB <i>Festucion versicoloris</i>	0.695
86 17AA <i>Arrhenatherion elatioris</i>	17AB <i>Cynosurion cristati</i>	0.691
87 06AB <i>Astero alpini-Seslerion calcariae</i>	03AA <i>Potentillion caulescentis</i>	0.690
88 39BB <i>Chrysanthemo rotundifolii-Piceion</i>	39BD <i>Abietion albae</i>	0.690
89 44AA <i>Pinion mugo</i>	39BB <i>Chrysanthemo rotundifolii-Piceion</i>	0.682
90 10AF <i>Diantho lumnitzeri-Seslerion albicantis</i>	10AC <i>Bromo pannonic-Festucion pallentis</i>	0.679
91 39AA <i>Piceion excelsae</i>	39BA <i>Oxalido-Piceion</i>	0.674
92 43AA <i>Galio-Alliarion</i>	29AB <i>Balloto nigrae-Robinion</i>	0.674
93 10AC <i>Bromo pannonic-Festucion pallentis</i>	10AA <i>Festucion valesiacae</i>	0.672
94 47AA <i>Nardion</i>	30AB <i>Festucion picturatae</i>	0.672
95 33EC <i>Eragrostio-Polygonion arenastri</i>	33EB <i>Salsolion ruthenicae</i>	0.668
96 17BA <i>Calthion palustris</i>	17BC <i>Molinion</i>	0.667
97 49AB <i>Eriophoro-Piceion abietis</i>	40AA <i>Oxycocco-Empetrion hermaphroditi</i>	0.667
98 17BD <i>Deschampsion caespitosae</i>	17BC <i>Molinion</i>	0.666
99 20CE <i>Festucion carpaticae</i>	46AA <i>Salicion silesiacae</i>	0.665
100 32CA <i>Caricion fuscae</i>	32AG <i>Sphagno warnstorffiani-Tomenthypnion</i>	0.665

1.4 Conclusions

This study represents the statistical revision of phytosociological data stored in the SNVD. The affinities of vascular plants, bryophytes and lichens occurring in Slovakia to the major syntaxa (alliances and classes) are calculated using a statistically defined coefficient of fidelity. Additionally, constant and dominant taxa of particular syntaxa were identified.

The evaluation of vegetation units by sharpness and uniqueness criteria allows us to identify reliable delimited alliances and classes (within the phytosociological system presented in Appendix 1 and Chapter 2) or to point out those for which delimitation is problematic and which are more difficult to define by statistical principles. The taxonomical revision and the delimitation of some units with low values of sharpness and uniqueness should be considered.

There are several problems that may bias the results of large data set analysis of phytosociological relevés, such as the preference for data gathering in certain vegetation types or in certain regions, the low number of relevés from certain vegetation units (e.g., from naturally rare plant communities), and multiple taxonomic concepts. In spite of these difficulties, looking at the quality and the distribution of our data in SNVD, as well as at the consistency of the phytosociological system presented, we consider the current results to be more than useful. Using expert knowledge, we were able to explain the inconsistencies in the results and point them out in the particular chapter (e.g., the certain overestimation of vegetation units with lower number of relevés included, which represent more homogeneous groups). Of course, there are several alliances or classes where the results could be biased due to their fragmentary development or erroneous delimitation in Slovakia.

The presented results are important not only for scientists (such as botanists, zoologists, and ecologists), but also for nature conservation institutions, since this data is an important and essential source of much floristic information on the occurrence of vascular and non-vascular plants in relevant plant communities with specific environmental characteristics.

1.5 Zhrnutie (Slovak Summary)

Charakter vegetácie je daný komplexom biotických a abiotických činiteľov podmienených špecifikami klímy, reliéfu, edafických a biotických pomerov na stanovišti. Rozsah tolerancie druhu k určitému ekologickému faktoru (alebo komplexu viacerých faktorov) v spojení s konkurenčnou schopnosťou iných druhov určuje, na akých rôznych stanovištiach sa môže konkrétny taxón vyskytovať. Ekologické gradienty sa prejavujú zmenami druhového zloženia spoločenstiev a hranice ekologických amplitúd určitého spoločenstva ako prechod k inému spoločenstvu (HUSOVÁ & MORAVEC 1994). Na základe poznania optím jednotlivých taxónov v gradientoch ekologických faktorov, získaného ekologickým a fytoecologickým výskumom, môžeme stanoviť vernosť jednotlivých taxónov k určitým syntaxómom (resp. skupinám spoločenstiev) vyznačujúcich sa určitými spoločnými ekologickými charakteristikami. Diagnostické druhy sú často korelované s určitými ekologickými a geografickými charakteristikami spoločenstiev. Vegetačné jednotky sú väčšinou charakterizované skupinou diagnostických taxónov, vykazujúcich vzájomnú ce-

nologickú koreláciu – spoločný, v prírode sa opakujúci výskyt. Čím početnejšia je skupina diagnostických taxónov, tým výraznejšie je daná jednotka charakterizovaná (MORAVEC 1994b). V niektorých prípadoch majú skupiny diagnostických taxónov iba regionálnu platnosť, v iných územiach (napr. horských celkoch s rozdielnou flórogenézou) sa rovnaké druhy môžu vyskytovať v odlišných druhových kombináciách.

Koncepcia diagnostických taxónov sa od svojho vzniku spája s koncepciou fidelity – viazanosťou výskytu resp. dominance určitých druhov na určité vegetačné jednotky. Prvé prístupy k stanoveniu fidelity jednotlivých druhov boli intuitívne (SZAFFER & PAWLOWSKI 1927), neskôr – s rozvojom výkonnejších počítačov a softvéru na analýzu vegetačných dát, boli nahradené sofistikovanejšími štatistickými metódami a analýzami (cf. GOODAL 1953; JUHÁSZ-NAGY 1964; VAN DER MAAREL et al. 1978; DUFRÈNE & LEGENDRE 1997; BOTTA-DUKÁT & BORHIDI 1999; BRUELHEIDE 1995, 2000; CHYTRÝ & TICHÝ 2003; CHYTRÝ et al. 2002, 2006).

Počiatkové lokálne štúdie zaoberajúce sa viazanosťou jednotlivých taxónov na určité fytoocenózy boli postupom času vystriedané prehľadmi spoločenstiev rozsiahlejších územných celkov. V rámci bývalého Československa publikovali prvé prehľady všetkých vegetačných typov KLIKA & NOVÁK (1941), KLIKA & HADAČ (1944) a KLIKA (1948, 1955). Spolu s predloženým hierarchickým systémom autori uviedli diagnostické druhy pre triedy, rady a zväzy, pričom nerozlišovali charakteristické a diferenciálne druhy. O niekoľko rokov neskôr HOLUB et al. (1967) uviedli vo svojom prehľade vyšších vegetačných jednotiek Československa skupiny indikačných druhov pre jednotlivé zväzy a podzväzy, ktoré zahŕňali ako druhy charakteristické, tak aj diferenciálne a druhy vyskytujúce sa s vyššou stálosťou. Ako uviedli CHYTRÝ & TICHÝ (2003), všetky tieto publikované zoznamy syntaxónov a ich diagnostických druhov sa vyznačovali veľkou subjektivitou pri výbere konkrétnych diagnostických taxónov a nemožnosťou exaktne rozlíšiť taxóny s vysokou frekvenciou, ale nízkou diagnostickou hodnotou.

Boli to práve kolegovia z Mašarykovej univerzity v Brne, ktorí nás svojou publikáciou o diagnostických druhoch Českej republiky (CHYTRÝ & TICHÝ 2003) inšpirovali k napísaniu tejto práce. Analyzovali sme dáta zo Slovenskej národnej vegetačnej databázy – SNVD (www.ibot.sav.sk/cdf; cf. VALACHOVIČ 1996, 1999; HEGEDUŠOVÁ 2007; ŠIBÍKOVÁ et al. 2009), uložené v databázovom programe TURBOVEG (HENNEKENS 1995; HENNEKENS & SCHAMINÉE 2001) rovnakými metódami a predostierame verejnosti štatistickú analýzu recentne dostupných fytoecologických dát z územia Slovenska.

Hlavné ciele predkladanej práce sú: **a)** poukázať na viazanosť jednotlivých taxónov vyskytujúcich sa na území Slovenska k vyšším syntaxónom (zväzom, triedam) pomocou štatistického výpočtu fidelity (cf. CHYTRÝ et al. 2002); **b)** vyhodnotiť kvalitu vymedzenia jednotlivých vyšších syntaxónov tu prezentovaného fytoecologického systému (ktorý je v súčasnosti používaný v SNVD) a zároveň poukázať na jeho prednosti a slabiny.

Prehľad vychádza z analýzy 49 459 fytoecologických zápisov uložených v SNVD dostupných v júni 2007. Zápisy boli získané metódami zürišsko-montpelliérskej školy (BRAUN-BLANQUET 1964; WESTHOFF & VAN DEN MAAREL 1978), často s použitím modifikovanej 9-člennej Braun-Blanquetovej škály (BARKMAN et al. 1964). Pre analýzu boli dáta exportované do programu JUICE 6.4.6 (TICHÝ 2002). Použité boli iba tie zápisy, ktorých zaradenie do fytoecologického systému bolo identifikované aspoň na úrovni zväzu.

V ďalšom kroku sme vyradili zápisy, ktoré boli zaznamenané na plochách extrémnych veľkostí (zápisy < 50 m² alebo > 1 000 m² pre lesné fytoocenózy; < 10 m² alebo > 200 m²

pre kroviny a zápisy $< 2 \text{ m}^2$ alebo $> 100 \text{ m}^2$ pre bylinnú vegetáciu, s výnimkou tried *Salicetea herbaceae* a *Sedo-Scleranthetea*, kde bola znížená spodná hranica plochy zápisu na 1 m^2).

Keďže rôzny pôvod dát v rozsiahlych fytoocenologických databázach môže významne ovplyvniť výsledky ich spracovania, KNOLLOVÁ et al. (2005) navrhli niekoľko strategických postupov stratifikovaného výberu dát, ktoré môžu zvýšiť reprezentatívnosť analyzovaného súboru dát. Napriek tomu, že napríklad geografická stratifikácia je v súčasnosti často používaná pri podobných štúdiách (cf. CHYTRÝ & TICHÝ 2003, CHYTRÝ et al. 2007), rozhodli sme sa analyzovať naše dáta bez stratifikácie, nakoľko chyba vzniknutá stratou veľkého množstva zápisov pri stratifikácii predovšetkým pri vzácnych spoločenstvách s malým areálom výskytu (napr. spoločenstvá tried *Erico-Pinetea*, *Carici rupestris-Kobresietea*, *Salicetea herbacea*), resp. vylúčením zápisov s nepresne identifikovanými geografickými koordinátami, sa nám javila byť väčšia, ako možné skreslenie frekvencie výskytu druhov v jednotlivých jednotkách vzniknuté v dôsledku nadmerného snímkovania niektorých lokalít.

Taxóny determinované len do úrovne rodu boli vylúčené z analyzovanej matice a niektoré taxóny, vrátane poddruhov a variet, boli zahrnuté do vyšších resp. širšie chápaných taxónov (pozri zoznam str. 12).

Pre charakteristiku vyšších syntaxónov sme použili neutrálnejšie termíny diagnostická skupina taxónov resp. indikačná druhová skupina (cf. MORAVEC 1994b), a nie taxóny charakteristické a diferenciálne, ako bolo doteraz v slovenských vegetačných prehľadoch zaužívané (cf. VALACHOVIČ et al. 1995, 2001; JAROLÍMEK et al. 1997; KLIMENT et al. 2007). V rámci nich sme rozlíšili taxóny diagnostické, konštantné a dominantné. Matematicky definované diagnostické taxóny, vymedzené na základe teórie fidelity (BRUELHEIDE 1995, CHYTRÝ et al. 2002, CHYTRÝ & TICHÝ 2003, CHYTRÝ 2007) s použitím konzistentných formalizovaných kritérií, určujú striktnejšie pravidlá pri stanovení vernosti jednotlivých druhov. Fidelita vyjadruje diagnostickú hodnotu druhu pre danú jednotku (v našom prípade zväz alebo triedu). Druhy s vysokou hodnotou fidelity (resp. vernosti alebo viazanosti) môžu byť považované za diagnostické (charakteristické alebo diferenciálne). Pre stanovenie fidelity bol použitý koeficient phi (CHYTRÝ et al. 2002), ktorý predstavuje mieru štatistickej väzby medzi výskytom druhov a zápisov v jednotlivých jednotkách (CHYTRÝ 2007). Keďže výpočet fidelity pre jednotlivé skupiny zápisov závisí od pomeru počtu zápisov patriacich do daného syntaxónu k celkovému počtu zápisov a súčasne je každá jednotka zastúpená iným počtom zápisov (CHYTRÝ et al. 2002), relatívny počet zápisov každej jednotky bol virtuálne štandardizovaný tak, že cieľová skupina zápisov bola rovnako veľká ako ostatné skupiny zápisov v rámci analyzovaného súboru dát (CHYTRÝ et al. 2006, TICHÝ & CHYTRÝ 2006). Počet zápisov v jednotlivých zväzoch bol štandardizovaný na $1/175$ celkového počtu všetkých zápisov v dátovom súbore, v triedach bol počet zápisov štandardizovaný na veľkosť $1/47$ z počtu všetkých zápisov v dátovom súbore. Použitie tejto metódy zvyšuje relatívnu homogenitu malých skupín (jednotiek s menším počtom zápisov). Výsledkom je vyšší počet diagnostických taxónov s vyššou fidelitou v malých skupinách. Malé skupiny môžu byť v dôsledku toho nadhodnotené. Aby sme do určitej miery znížili tento jav a zredukovali vplyv náhodne sa vyskytujúcich taxónov v súbore dát, ktoré pri výpočte fidelity mohli dosahovať vysoké hodnoty pre niektoré skupiny zápisov, použili sme Fisherov exaktný test (CHYTRÝ et al. 2002, 2006; CHYTRÝ 2007), pričom za signifikantnú hodnotu sme považovali $P < 0,001$.

Druhy, ktorých koncentrácia výskytu sa nelíšila od koncentrácie pri náhodnom výskyte na uvedenej hladine významnosti neboli zahrnuté medzi diagnostické taxóny. Napriek použitiu tejto metódy, niektoré jednotky s malým počtom zápisov sa javili aj naďalej ako viac-menej nadhodnotené. Túto skutočnosť je potrebné brať do úvahy pri interpretácii predkladaných výsledkov. Naopak, ak by sme analyzovali dáta bez následnej virtuálnej štandardizácie na rovnakú veľkosť všetkých skupín, ako to urobili CHYTRÝ & TICHÝ (2003) vo svojej pionierskej štúdií, nastal by opačný efekt – zväzy resp. triedy s malým počtom zápisov by boli podhodnotené a vypočítané hodnoty fidelitity pre ne by mohli byť nespoľahlivé v dôsledku vplyvu náhodného efektu. Po zväžení a porovnaní viacerých výsledkov sme preto použili novšiu metódu (TICHÝ & CHYTRÝ 2006) s tým, že treba mať na zreteli, že hodnoty fidelitity niektorých druhov v jednotkách zastúpených malým počtom zápisov (často ide o prirodzene vzácne spoločenstvá) môžu byť do určitej miery nadhodnotené.

Za **diagnostické taxóny** pokladáme tie, ktorých hodnota fidelitity v jednotlivých syntaxónoch (zväzoch alebo triedach) je väčšia ako 24 ($\Phi > 0,24$). Táto hodnota bola stanovená subjektívne na základe posúdenia výsledkov predchádzajúcich analýz, pričom sme prihliadali na to, aby výsledné počty diagnostických druhov neboli vo všeobecnosti ani príliš vysoké, ani príliš nízke. **Konštantné taxóny** sú vymedzené frekvenciou výskytu v danej jednotke vyššou než 25 % pre triedy a vyššou než 40 % pre zväzy. Za **dominantné taxóny** považujeme tie, ktorých pokryvnosť je vyššia než 50 % v aspoň 3 % zápisov daného syntaxónu. Takto definované diagnostické, konštantné a dominantné taxóny uvádzame v apendixe 2 a 3.

Štatisticky definované diagnostické taxóny umožnili kvantifikovať kvalitu vymedzenia jednotlivých syntaxónov (zväzov a tried), ktoré tu prezentujeme v apendixe 1 a v kapitole 2. Pre tento účel boli použité, podobne ako v práci CHYTRÝ & TICHÝ (2003), kritériá označené ako vyhranenosť (sharpness) a jedinečnosť (uniqueness). **Vyhranenosť** (Tab. 2 a 4) je určená indexom S a vyjadruje počet a/alebo kvalitu diagnostických druhov v danej vegetačnej jednotke v pomere k priemernej druhovej bohatosti porastov tejto jednotky (CHYTRÝ & TICHÝ 2003). Vegetačná jednotka je vyhranená, ak väčšina v nej zastúpených druhov je viazaná len na ňu a chýba v ostatných vegetačných jednotkách. Vysoké hodnoty vyhranenosti dosahujú tie jednotky, ktoré majú veľa diagnostických taxónov s vysokou fidelitou. Nižšie, ale stále vysoké hodnoty dosahujú jednotky s niekoľkými diagnostickými druhmi s vysokou fidelitou alebo veľkým počtom diagnostických druhov s relatívne nízkou fidelitou (CHYTRÝ & TICHÝ 2003). Na základe analýzy dát v SNVD môžeme považovať za najviac vyhranené vzácne sa vyskytujúce spoločenstvá na extrémnych stanovištiach, akými sú druho chudobné halofytné spoločenstvá na brehoch brackých vôd triedy *Thero-Suaedetea* a spoločenstvá na viatych pieskoch triedy *Festucea vaginatae*, spolu s druho chudobnými pionierskymi vodnými spoločenstvami tried *Charetea fragilis*, *Potametea* a *Lemnetea*. K dobre vyhraneným triedam s vyššími hodnotami indexu S patria aj reliktné porasty najextrémnejších stanovišť našich najvyšších hôr s množstvom arkticko-alpínskych taxónov (*Carici rupestris-Kobresietea*) a reliktné borovicové porasty vápencových skalných stien a kaňonov (*Erico-Pinetea*). Naopak, k najmenej vyhraneným patria vysokobylinné a nitrofilné spoločenstvá tried *Mulgedio-Aconitetea* a *Galio-Urticetea*, pravdepodobne kvôli zdieľaniu viacerých taxónov so širšou ekologickou valenciou a čiastočne tiež preto, že z nich časť potenciálne diagnostických taxónov „odčerpali“ floristicky podobné, ale oveľa užšie vymedzené triedy (napr. *Betulo*

carpaticae-Alnetea viridis vs. *Mulgedio-Aconitetea*). Zo zväzov sú najviac vyhranené *Cypero-Spergularion salinae*, *Halo-Trichophorion pumili* a *Puccinellion limosae* z triedy *Festuco-Puccinellietea*, spolu so zväzmi *Littorelion uniflorae* (*Isoeto-Littorelletea*) a *Radiolion linoidis* (*Isoeto-Nanojuncetea*), pravdepodobne v dôsledku ich úzkej ekologickej špecializácie a druhej chudobnosti jednotlivých porastov (pozri Tab. 4). Viaceré najviac vyhranené zväzy sú zároveň súčasťou najviac vyhranených tried (*Thero-Camphorosmion* – *Thero-Suaedetea*, *Oxytropido-Elynion* – *Carici rupestris-Kobresietea bellardii* a *Charion fragilis* – *Charetea fragilis*).

Jedinečnosť (Tab. 2 a 4) vyjadruje mieru podobnosti jednotiek rovnakého rangu. Syntaxón považujeme za jedinečný, ak žiadny z jeho diagnostických druhov nie je súčasne diagnostickým druhom pre iné vegetačné jednotky. Jedinečnosť jednotky klesá, ak zdieľa niektoré diagnostické druhy s inými jednotkami (CHYTRÝ & TICHÝ 2003). Pri výpočte jedinečnosti bola najskôr vypočítaná asymetrická miera podobnosti medzi dvoma vegetačnými jednotkami (index T). Po vypočítaní indexu T pre všetky dvojice tried a zväzov a ich následnej sumarizácii bol pre každú jednotku vypočítaný index U, ktorý je mierou jedinečnosti a dosahuje nízke hodnoty v tých vegetačných jednotkách, ktorých diagnostické druhy sú prevažne zdieľané s inými syntaxónmi (CHYTRÝ & TICHÝ 2003; TICHÝ & HOLT 2006). Najvyššie hodnoty indexu U dosahujú zriedkavo sa vyskytujúce syntaxóny zastúpené menším počtom zápisov spolu s druhovo chudobnejšími syntaxónmi ekologicky extrémnych stanovišť, pričom niektoré syntaxóny spĺňajú obidve kritériá. Medzi najmenej jedinečné triedy (s najnižšími hodnotami indexu U) môžeme zaradiť jednotky viazané prevažne na subalpínsky stupeň – *Mulgedio-Aconitetea*, *Loiseleurio-Vaccinietea* a *Roso pendulinae-Pinetea mugo*. Obsahujú početné taxóny dosahujúce kladné hodnoty fidelity vo viacerých syntaxónoch. Možno práve nízka frekvencia až absencia užšie špecializovaných taxónov, viazaných na túto prechodnú zónu v oblasti hornej hranice lesa, vysvetľuje vysoký počet diagnostických druhov vyskytujúcich sa vo viacerých jednotkách.

V tabuľkách 3 a 5 sú uvedené dvojice tried a zväzov zoradené na základe klesajúcej hodnoty indexu T, ktoré predstavujú najpodobnejšie jednotky v rámci analyzovaného súboru dát. Vo väčšine prípadov ide o floristickú podobnosť medzi štruktúrne odlišnými vegetačnými typmi (napr. *Mulgedio-Aconitetea* a *Betulo carpaticae-Alnetea viridis*, *Loiseleurio-Vaccinietea* a *Caricetea curvulae*, *Elyno-Seslerietea* a *Erico-Pinetea*, *Astero alpini-Seslerion calcariae* a *Pulsatillo slavicae-Pinion*, *Juncion trifidi* a *Loiseleurio-Vaccinion*, *Calamagrostion arundinaceae* a *Salicion silesiaca*, *Calamagrostion varia* a *Pulsatillo slavicae-Pinion*) prípadne sukcesne nadväzujúcimi typmi vegetácie (*Thlaspietea rotundifolia* a *Carici rupestris-Kobresietea bellardii*, *Asplenietea trichomanis* a *Elyno-Seslerietea*, *Potentillion caulescentis* a *Astero alpini-Seslerion calcariae*). Ako podobné sa javili tiež triedy, v ktorých boli zaradené zápisy získané na veľkostonných rozdielných plochách – *Sedo-Scleranthetea* a *Festuco-Brometea*. CHYTRÝ & OTÝPKOVÁ (2003) poukázali na to, že v niektorých situáciách snímkovanie na malých alebo veľkých plochách v tých istých porastoch môže viesť k pričleneniu získaných fytoecologických zápisov k rôznym syntaxónom. Preto je potrebné definovať vegetačné a stanovištné typy s ohľadom na ich závislosť od veľkosti plôch fytoecologických zápisov. Rovnako aj podobnosť medzi triedami *Elyno-Seslerietea* a *Erico-Pinetea* môže byť do určitej miery interpretovaná ako dôsledok rôznych veľkostí plôch analyzovaných fytoecologických zápisov. Zápisy z tried *Sedo-Scleranthetea* a *Elyno-Seslerietea* sú zvyčajne zapisované na menších

plochách než zápisy z tried, s ktorými vytvárali najpodobnejšie páry. V niektorých prípadoch sú floristicky veľmi podobné aj syntaxóny s podobnou štruktúrou a podobnými stanovíšťnými nárokmi (napr. *Koelerio-Corynepheretea* a *Festucetea vaginatae*, *Quercetea robori-petraeae* a *Pulsatillo-Pineteta*, *Alopecurion pratensis* a *Cnidion venosi*, *Genisto germanicae-Quercion* a *Quercion petraeae*, *Athyrio alpestris-Piceion* a *Chrysanthemo rotundifolii-Piceion*, *Piceion excelsae* a *Abietion albae*). Ako uviedli CHYTRÝ & TICHÝ (2003), v takýchto prípadoch je možné uvažovať o ich zlúčení do jednej vegetačnej jednotky. Vytvorenie najpodobnejších dvojíc zväzmi z rovnakej triedy svedčí o správnosti ich zaradenia (napr. *Vaccinion myrtilli* a *Loiseleurio-Vaccinion*, *Festucion versicoloris* a *Oxytropido-Elynon*, *Sphagnion medii* a *Oxycocco-Empetrium hermaphroditi*).

Predložená štúdia predstavuje štatistickú revíziu dát uložených v SNVD. Pomocou štatisticky determinovaného koeficientu fidelity bola stanovená väzba určitých diagnosticky významných taxónov cievnatých rastlín, machorastov a lišajníkov na vyššie syntaxóny – zväzy a triedy, vyskytujúce sa na Slovensku. Okrem diagnostických taxónov boli stanovené aj druhy konštantne sa vyskytujúce v jednotlivých vyšších syntaxónoch a druhy dominantné.

Zhodnotenie vegetačných jednotiek pomocou kritérií vyhranosti a jedinečnosti umožnilo odlišenie lepšie a horšie vymedzených zväzov a tried tu prezentovaného fytoecenologického systému a určenie problematcky vymedziteľných jednotiek pomocou štatisticky definovaných pravidiel. Pri niektorých zväzoch a triedach s nízkymi hodnotami vyhranosti a jedinečnosti by mohla byť zväzovaná revízia ich vymedzenia a postavenia v syntaxonomickej systéme.

Napriek určitým problémom, ktoré môžu ovplyvniť celkový výsledok analýzy veľkého súboru dát (uprednostňovanie zberu dát z určitých typov vegetácie a z určitých regiónov, nízky počet zápisov z niektorých jednotiek, napr. z prirodzene vzácných spoločenstiev, rôznorodé taxonomické koncepcie a i.), považujeme získané výsledky za užitočné z hľadiska celkového pohľadu na kvalitu a štruktúru dát uložených v SNVD a na kvalitu a použiteľnosť prezentovaného fytoecenologického systému.

Veríme, že predkladaná práca pomôže fytoecenológom pri generovaní syntaxonomických hypotéz a pri následných overovacích štúdiách a zároveň poslúži ako vhodná príručka a porovnávací etalón pre ostatných botanikov, zoológov, ekológov, pedagógov a študentov na prírodovedne zameraných univerzitách a v ochranárskej a lesníckej praxi.

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Appendix 1

A synopsis of alliances and classes analysed in this study

The units are arranged by Turboveg Code (TV CODE) for easy determination of individual syntaxa in the Appendices 2 and 3.

TV CODE	SYNTAXON	ABBREVIATION
01	<i>Alnetea glutinosae</i>	AG
01AA	<i>Salicion cinereae</i>	Sal cin
01BA	<i>Alnion glutinosae</i>	Aln glu
02	<i>Artemisietea vulgaris</i>	AV
02AA	<i>Onopordion acanthii</i>	Ono aca
02AB	<i>Dauco-Melilotion</i>	Dau-Mel
02AC	<i>Erysimo wittmannii-Hackelion deflexae</i>	Ery-Hac
02AD	<i>Arction lappae</i>	Arc lap
02BA	<i>Convolvulo-Agropyron repentis</i>	Con-Agr
03	<i>Asplenetea trichomanis</i>	AT
03AA	<i>Potentillion caulescentis</i>	Pot cau
03AB	<i>Cystopteridion</i>	Cystopt
03BA	<i>Cymbalario-Asplenion</i>	Cym-Asp
03CB	<i>Asplenion septentrionalis</i>	Asp sep
03CD	<i>Hypno-Polypodium vulgaris</i>	Hyp-Pol
04	<i>Bidentetea tripartitae</i>	BT
04AA	<i>Bidention tripartitae</i>	Bid tri
04AB	<i>Chenopodium glauci</i>	Che gla
06	<i>Elyno-Seslerietea</i>	ES
06AA	<i>Caricion firmae</i>	Car fir
06AB	<i>Astero alpini-Seslerion calcariae</i>	Ast-Ses
06AC	<i>Seslerion tatrae</i>	Ses tat
07	<i>Epilobietea angustifolii</i>	EA
07AA	<i>Atropion</i>	Atropio
07AC	<i>Carici piluliferae-Epilobion angustifolii</i>	Car-Epi
08	<i>Erico-Pinetea</i>	EP
08AA	<i>Pulsatillo slavicae-Pinion</i>	Pul-Pin
09	<i>Festucetea vaginatae</i>	FV
09AA	<i>Festucion vaginatae</i>	Fes vag
10	<i>Festuco-Brometea</i>	FB
10AA	<i>Festucion valesiacae</i>	Fes val
10AB	<i>Asplenio septentrionalis-Festucion pallentis</i>	Asp-Fes
10AC	<i>Bromo pannonicus-Festucion pallentis</i>	Bro-Fes
10AF	<i>Diantho lumnitzeri-Seslerion albicantis</i>	Dia-Ses
10BA	<i>Bromion erecti</i>	Bro ere
10BB	<i>Cirsio-Brachypodium pinnati</i>	Cir-Bra
10CA	<i>Koelerio-Phleion phleoidis</i>	Koe-Phl
11	<i>Festuco-Puccinellietea</i>	FP
11AA	<i>Juncion gerardii</i>	Jun ger
11AB	<i>Halo-Trichophorion pumili</i>	Hal-Tri

TV CODE	SYNTAXON	ABBREVIATION
11AC	<i>Beckmanion eruciformis</i>	<i>Bec eru</i>
11BA	<i>Puccinellion limosae</i>	<i>Puc lim</i>
11CA	<i>Festucion pseudovinae</i>	<i>Fes pse</i>
11DA	<i>Cypero-Spergularion salinae</i>	<i>Cyp-Spe</i>
12	<i>Isoeto-Nanojuncetea</i>	<i>IN</i>
12AA	<i>Nanocyperion flavescens</i>	<i>Nan fla</i>
12AB	<i>Radiolion linoidis</i>	<i>Rad lin</i>
12AD	<i>Elatini-Eleocharition ovatae</i>	<i>Ela-Ele</i>
13	<i>Caricetea curvulae</i>	<i>CC</i>
13AA	<i>Juncion trifidi</i>	<i>Jun tri</i>
14	<i>Koelerio-Corynepherea</i>	<i>KC</i>
14AA	<i>Corynephorion canescentis</i>	<i>Cor can</i>
14BA	<i>Koelerion arenariae</i>	<i>Koe are</i>
15	<i>Lemnetea</i>	<i>LE</i>
15AA	<i>Lemnon minoris</i>	<i>Lem min</i>
15BA	<i>Utricularion vulgaris</i>	<i>Utr vul</i>
15CA	<i>Hydrocharition morsus-ranae</i>	<i>Hyd mor</i>
16	<i>Isoeto-Littorelletea</i>	<i>IL</i>
16AA	<i>Littorelion uniflorae</i>	<i>Lit uni</i>
16AC	<i>Eleocharition acicularis</i>	<i>Ele aci</i>
16BA	<i>Scorpidio-Utricularion minoris</i>	<i>Sco-Utr</i>
16BB	<i>Sphagno-Utricularion minoris</i>	<i>Sph-Utr</i>
17	<i>Molinio-Arrhenatheretea</i>	<i>MA</i>
17AA	<i>Arrhenatherion elatioris</i>	<i>Arh ela</i>
17AB	<i>Cynosurion cristati</i>	<i>Cyn cri</i>
17BA	<i>Calthion palustris</i>	<i>Cal pal</i>
17BB	<i>Alopecurion pratensis</i>	<i>Alo pra</i>
17BC	<i>Molinion</i>	<i>Molinio</i>
17BD	<i>Deschampsion caespitosae</i>	<i>Des cae</i>
17BE	<i>Cnidion venosi</i>	<i>Cni ven</i>
17BF	<i>Veronico longifoliae-Lysimachion vulgaris</i>	<i>Ver-Lys</i>
17CA	<i>Potentillion anserinae</i>	<i>Pot ans</i>
17CD	<i>Juncion effusi</i>	<i>Jun eff</i>
17DA	<i>Plantagini-Prunellion</i>	<i>Pla-Pru</i>
17EA	<i>Polygono-Trisetion</i>	<i>Pol-Tri</i>
17EB	<i>Poion alpinae</i>	<i>Poi alp</i>
17EC	<i>Alchemillo-Poion supinae</i>	<i>Alc-Poi</i>
18	<i>Molinio-Betuletea pubescentis</i>	<i>MB</i>
18AA	<i>Eriophoro-Betulion pubescentis</i>	<i>Eri-Bet</i>
19	<i>Montio-Cardaminetea</i>	<i>MC</i>
19AA	<i>Cratoneuro filicini-Calthion laetae</i>	<i>Cra-Cal</i>
19AC	<i>Philonotidion seriatae</i>	<i>Phi ser</i>
19AE	<i>Cratoneurion commutati</i>	<i>Cra com</i>
19BB	<i>Lycopodio-Cratoneurion commutati</i>	<i>Lyc-Cra</i>
19BC	<i>Caricion remotae</i>	<i>Car rem</i>
20	<i>Mulgedio-Aconitetea</i>	<i>MU</i>
20CA	<i>Calamagrostion villosae</i>	<i>Cal vil</i>
20CB	<i>Trisetion fusci</i>	<i>Tri fus</i>
20CC	<i>Calamagrostion arundinaceae</i>	<i>Cal aru</i>
20CD	<i>Calamagrostion variae</i>	<i>Cal var</i>

TV CODE	SYNTAXON	ABBREVIATION
20CE	<i>Festucion carpaticae</i>	<i>Fes car</i>
20DA	<i>Adenostylon</i>	<i>Adenost</i>
20EA	<i>Petasition officinalis</i>	<i>Pet off</i>
22	<i>Phragmito-Magnocaricetea</i>	<i>PM</i>
22AA	<i>Phragmition australis</i>	<i>Phr aus</i>
22BA	<i>Sparganio-Glycerion</i>	<i>Sph-Gly</i>
22BB	<i>Phalaridion arundinaceae</i>	<i>Pha aru</i>
22CA	<i>Oenanthion aquaticae</i>	<i>Oen aqu</i>
22DA	<i>Cirsio brachycephali-Bolboschoenion compacti</i>	<i>Cir-Bol</i>
22EA	<i>Magnocaricion elatae</i>	<i>Mag ela</i>
23	<i>Polygono arenastri-Poetea annuae</i>	<i>PP</i>
23AA	<i>Matricario matricarioidis-Polygonion arenastri</i>	<i>Mat-Pol</i>
23AB	<i>Saginion procumbentis</i>	<i>Sag pro</i>
24	<i>Potametea</i>	<i>PO</i>
24AA	<i>Nymphaeion albae</i>	<i>Nym alb</i>
24AB	<i>Potamion lucentis</i>	<i>Pot luc</i>
24AC	<i>Potamion pusilli</i>	<i>Pot pus</i>
24BA	<i>Ranunculion fluitantis</i>	<i>Ran flu</i>
24BB	<i>Ranunculion aquatilis</i>	<i>Ran aqu</i>
25	<i>Pulsatillo-Pinetea</i>	<i>PU</i>
25AA	<i>Cytiso ruthenici-Pinion</i>	<i>Cyt-Pin</i>
26	<i>Quercetea robori-petraeae</i>	<i>QR</i>
26AA	<i>Genisto germanicae-Quercion</i>	<i>Gen-Que</i>
26BA	<i>Pino-Quercion</i>	<i>Pin-Que</i>
27	<i>Querco-Fagetea</i>	<i>QF</i>
27AA	<i>Quercion pubescenti-petraeae</i>	<i>Que pub</i>
27AB	<i>Quercion confertae-cerris</i>	<i>Que-cer</i>
27AC	<i>Aceri tatarici-Quercion</i>	<i>Ace-Que</i>
27AD	<i>Quercion petraeae</i>	<i>Que pet</i>
27BA	<i>Alnion incanae</i>	<i>Aln inc</i>
27BB	<i>Carpinion betuli</i>	<i>Car bet</i>
27BC	<i>Tilio-Acerion</i>	<i>Til-Ace</i>
27BD	<i>Fagion</i>	<i>Fagion</i>
27BE	<i>Luzulo-Fagion</i>	<i>Luz-Fag</i>
28	<i>Rhamno-Prunetea</i>	<i>RH</i>
28AA	<i>Berberidion vulgaris</i>	<i>Ber vul</i>
28AB	<i>Corylo-Populion tremulae</i>	<i>Cor-Pop</i>
28AC	<i>Prunion fruticosae</i>	<i>Pru fru</i>
28BA	<i>Sambuco-Salicion caprae</i>	<i>Sam-Sal</i>
28BB	<i>Arctio-Sambucion nigrae</i>	<i>Arc-Sam</i>
29	<i>Robinietea</i>	<i>RO</i>
29AA	<i>Chelidonio-Robinion</i>	<i>Che-Rob</i>
29AB	<i>Balloto nigrae-Robinion</i>	<i>Bal-Rob</i>
30	<i>Salicetea herbaceae</i>	<i>SH</i>
30AA	<i>Salicion herbaceae</i>	<i>Sal her</i>
30AB	<i>Festucion picturatae</i>	<i>Fes pic</i>
30BA	<i>Arabidion caeruleae</i>	<i>Ara cae</i>
31	<i>Salicetea purpureae</i>	<i>SP</i>
31AA	<i>Salicion incanae</i>	<i>Sal inc</i>
31AB	<i>Salicion triandrae</i>	<i>Sal tri</i>

TV CODE	SYNTAXON	ABBREVIATION
31AC	<i>Salicion albae</i>	<i>Sal alb</i>
32	<i>Scheuchzerio-Caricetea fuscae</i>	SC
32AB	<i>Caricion davallianae</i>	<i>Car dav</i>
32AG	<i>Sphagno warnstorffiani-Tomenthypnion</i>	<i>Sph-Tom</i>
32BB	<i>Rhynchosporion albae</i>	<i>Rhy alb</i>
32BE	<i>Sphagnion cuspidati</i>	<i>Sph cus</i>
32CA	<i>Caricion fuscae</i>	<i>Car fus</i>
32CB	<i>Caricion lasiocarpae</i>	<i>Car las</i>
32CC	<i>Drepanocladion exannulati</i>	<i>Dre exa</i>
32CD	<i>Sphagno recurvi-Caricion canescentis</i>	<i>Sph-Car</i>
33	<i>Stellarietea</i>	SM
33AA	<i>Caucalidion lappulae</i>	<i>Cau lap</i>
33AB	<i>Sherardion arvensis</i>	<i>She arv</i>
33AC	<i>Veronico-Euphorbion</i>	<i>Ver-Eup</i>
33BA	<i>Scleranthion annui</i>	<i>Scl ann</i>
33BB	<i>Spergulo-Oxalidion</i>	<i>Spe-Oxa</i>
33BC	<i>Panico-Setarion</i>	<i>Pan-Set</i>
33DA	<i>Sisymbrium officinalis</i>	<i>Sis off</i>
33DB	<i>Atriplicion nitentis</i>	<i>Atr nit</i>
33DC	<i>Malvion neglectae</i>	<i>Mal neg</i>
33EA	<i>Eragrostion</i>	<i>Eragros</i>
33EB	<i>Salsolion ruthenicae</i>	<i>Sal rut</i>
33EC	<i>Eragrostio-Polygonion arenastri</i>	<i>Era-Pol</i>
34	<i>Sedo-Scleranthetea</i>	SS
34AA	<i>Thero-Airion</i>	<i>The-Air</i>
34BA	<i>Arabidopsidion thalianae</i>	<i>Ara tha</i>
34CA	<i>Alysso alyssoidis-Sedion albi</i>	<i>Aly-Sed</i>
35	<i>Thero-Suaedetetea</i>	TS
35AB	<i>Thero-Camphorosmion</i>	<i>The-Cam</i>
36	<i>Thlaspietea rotundifolii</i>	TR
36AA	<i>Papaverion tatrici</i>	<i>Pap tat</i>
36BA	<i>Androsacion alpinae</i>	<i>And alp</i>
36CA	<i>Stipion calamagrostis</i>	<i>Sti cal</i>
36CB	<i>Parietarion officinalis</i>	<i>Par off</i>
36CC	<i>Arabidion alpinae</i>	<i>Ara alp</i>
36DA	<i>Galeopsision segetum</i>	<i>Gal seg</i>
37	<i>Trifolio-Geranietea sanguinei</i>	TG
37AA	<i>Geranion sanguinei</i>	<i>Ger san</i>
37AB	<i>Trifolion medii</i>	<i>Tri med</i>
37BA	<i>Melampyrion pratensis</i>	<i>Mel pra</i>
37BB	<i>Teucrium scordoniae</i>	<i>Teu sco</i>
39	<i>Vaccinio-Piceetea</i>	VP
39AA	<i>Piceion excelsae</i>	<i>Pic exc</i>
39BA	<i>Oxalido-Piceion</i>	<i>Oxa-Pic</i>
39BB	<i>Chrysanthemo rotundifolii-Piceion</i>	<i>Chr-Pic</i>
39BC	<i>Athyrio alpestris-Piceion</i>	<i>Ath-Pic</i>
39BD	<i>Abietion albae</i>	<i>Abi alb</i>
39CA	<i>Dicrano-Pinion</i>	<i>Dic-Pin</i>
40	<i>Oxycocco-Sphagnetetea</i>	OS
40AA	<i>Oxycocco-Empetrium hermafroditum</i>	<i>Oxy-Emp</i>

TV CODE	SYNTAXON	ABBREVIATION
40AB	<i>Sphagnion medii</i>	<i>Sph med</i>
41	<i>Charetea fragilis</i>	<i>CF</i>
41BA	<i>Charion fragilis</i>	<i>Cha fra</i>
42	<i>Carici rupestris-Kobresietea bellardii</i>	<i>CK</i>
42AA	<i>Oxytropido-Elyinion</i>	<i>Oxy-Ely</i>
42AB	<i>Festucion versicoloris</i>	<i>Fes ver</i>
43	<i>Galio-Urticetea</i>	<i>GU</i>
43AA	<i>Galio-Alliarion</i>	<i>Gal-All</i>
43AB	<i>Impatienti noli-tangere-Stachyion sylvaticae</i>	<i>Imp-Sta</i>
43AC	<i>Aegopodion podagrariae</i>	<i>Aeg pod</i>
43AD	<i>Carduo-Urticion dioicae</i>	<i>Car-Urt</i>
43AE	<i>Rumicion alpini</i>	<i>Rum alp</i>
43BA	<i>Senecionion fluviatilis</i>	<i>Sen flu</i>
44	<i>Roso pendulinae-Pinetea mugo</i>	<i>RP</i>
44AA	<i>Pinion mugo</i>	<i>Pin mug</i>
45	<i>Loiseleurio-Vaccinietea</i>	<i>LV</i>
45AA	<i>Loiseleurio-Vaccinion</i>	<i>Loi-Vac</i>
45AB	<i>Vaccinion myrtilli</i>	<i>Vac myr</i>
46	<i>Betulo carpaticae-Alnetea viridis</i>	<i>BA</i>
46AA	<i>Salicion silesiacae</i>	<i>Sal sil</i>
47	<i>Nardetea strictae</i>	<i>NS</i>
47AA	<i>Nardion</i>	<i>Nardion</i>
47AB	<i>Nardo-Agrostion tenuis</i>	<i>Nar-Agr</i>
47AC	<i>Violion caninae</i>	<i>Vio can</i>
48	<i>Calluno-Ulicetea</i>	<i>CU</i>
48AA	<i>Genistion pilosae</i>	<i>Gen pil</i>
48AC	<i>Euphorbio cyparissiae-Callunion vulgaris</i>	<i>Eup-Cal</i>
48AD	<i>Genisto pilosae-Vaccinion</i>	<i>Gen-Vac</i>
49	<i>Vaccinio uliginosi-Pinetea sylvestris</i>	<i>VU</i>
49AB	<i>Eriophoro-Piceion abietis</i>	<i>Eri-Pic</i>
50	<i>Franguletea</i>	<i>FR</i>
50AB	<i>Ulici-Sarothamnion</i>	<i>Uli-Sar</i>

Appendix 2

A list of classes and alliances with enumeration of statistically determined diagnostic, constant and dominant species

The codes of classes and alliances are identical with those in the list of syntaxa in SNVD and with codes in the Appendix 1. The syntaxon name is followed by short characteristics of the vegetation unit and the number of processed relevés. Number of diagnostic, constant and dominant taxa, included into each category of diagnostically important taxa is shown in brackets. If a taxon belongs to more than one category within the particular syntaxon, it is followed by a reference to another category (Dg – diagnostic taxa, C – constant taxa, Dm – dominant taxa). Diagnostic taxa are ordered by decreasing value of Phi coefficient ($\Phi > 0.24$) multiplied by 100 to display taxa with the best diagnostic capacity first. Constant taxa include taxa with percentage frequency of occurrence more than 25 % for classes and more than 40 % for alliances. They are in descending order. Dominant taxa comprise taxa with abundance higher than 50 % at least in 3 % of relevés. They are in descending order, so the most frequent dominants are listed first. The most right column refers to the classes and alliances, where the same taxon has also a status either diagnostic, constant or dominant taxon.

For correct interpretation of results, it is important to remember, that small groups (vegetation units with small number of relevés) are usually more homogeneous than bigger ones and they have more diagnostic taxa with higher fidelity. These units are more or less overestimated in consequence of using standardization of analysed dataset to the equal relevé size of all groups.

Class 01 *Alnetea glutinosae*

Alder and willow carrs

No. of relevés: 380

Diagnostic species (22)

<i>Alnus glutinosa</i>	C, Dm	64.0	01BA
<i>Solanum dulcamara</i>	C	52.0	01AA, 01BA, 31, 31AB
<i>Thelypteris palustris</i>	C, Dm	51.0	01BA, 17BF
<i>Carex elongata</i>	C, Dm	47.1	01BA
<i>Salix cinerea</i>	C, Dm	44.1	01AA, 18
<i>Lysimachia vulgaris</i>	C	44.1	17BF
<i>Lycopus europaeus</i>	C	43.5	01BA
<i>Peucedanum palustre</i>	C	41.1	17BF
<i>Calamagrostis canescens</i>		32.0	
<i>Carex pseudocyperus</i>		31.5	
<i>Frangula alnus</i>	C	30.7	01BA, 18
<i>Galium palustre</i> agg.	C	30.2	22, 31
<i>Scutellaria galericulata</i>		29.5	17BF
<i>Carex acutiformis</i>	Dm	28.5	
<i>Dryopteris cristata</i>		28.4	01BA
<i>Iris pseudacorus</i>	C	28.1	31, 31AC
<i>Carex remota</i>		26.7	19BC
<i>Carex riparia</i>	Dm	26.4	

<i>Caltha palustris</i>	C, Dm	26.4	19
<i>Filipendula ulmaria</i>	C	25.9	17BF, 32
<i>Dryopteris carthusiana</i> agg.	C	25.7	39, 39AA, 39BA, 39BB, 39BC, 44
<i>Calystegia sepium</i>	C	24.7	31, 31AB, 43BA
Constant species (23)			
<i>Lysimachia vulgaris</i>	Dg	73.0	01AA, 01BA, 17BC, 17BF, 18, 18AA, 22, 22EA, 31, 31AB
<i>Alnus glutinosa</i>	Dg, Dm	71.0	01BA
<i>Lycopus europaeus</i>	Dg	61.0	01BA, 17CD, 31AB
<i>Solanum dulcamara</i>	Dg	55.0	01AA, 01BA, 31, 31AB
<i>Urtica dioica</i>		54.0	01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Caltha palustris</i>	Dg, Dm	49.0	01BA, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CA, 32CC
<i>Galium palustre</i> agg.	Dg	47.0	01BA, 17BE, 17BF, 22, 22EA, 31, 31AC, 32, 32CA, 32CB
<i>Frangula alnus</i>	Dg	47.0	01BA, 18, 18AA, 26, 26BA, 27AD, 39CA
<i>Salix cinerea</i>	Dg, Dm	46.0	01AA, 18
<i>Dryopteris carthusiana</i> agg.	Dg	46.0	01BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44, 44AA
<i>Ranunculus repens</i>		41.0	01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Filipendula ulmaria</i>	Dg	37.0	17BA, 17BF, 31AA, 32, 32AB, 32AG, 32CA
<i>Athyrium filix-femina</i>		36.0	01BA, 07, 07AC, 19BC, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Thelypteris palustris</i>	Dg, Dm	35.0	01BA
<i>Lythrum salicaria</i>		33.0	17CD, 22, 22EA, 31
<i>Iris pseudacorus</i>	Dg	30.0	22, 31, 31AC
<i>Carex elongata</i>	Dg, Dm	30.0	
<i>Myosotis scorpioides</i> agg.		29.0	17BA, 17BF, 17CD, 19BC, 20EA, 31, 31AA, 31AB, 32, 32CA
<i>Deschampsia cespitosa</i>		29.0	17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Symphytum officinale</i> agg.		28.0	17BE, 31, 31AB, 31AC
<i>Calystegia sepium</i>	Dg	28.0	31, 31AB, 43, 43BA
<i>Rubus caesius</i>		26.0	27BA, 31, 31AB, 31AC, 43BA
<i>Peucedanum palustre</i>	Dg	26.0	17BF
Dominant species (6)			
<i>Alnus glutinosa</i>	Dg, C	39.0	01BA, 27BA
<i>Salix cinerea</i>	Dg, C	26.0	01AA
<i>Caltha palustris</i>	Dg, C	5.0	01BA, 17BA, 19, 19AA, 19BC
<i>Thelypteris palustris</i>	Dg, C	4.0	01AA, 01BA
<i>Carex riparia</i>	Dg	3.0	01BA, 22, 22EA, 31, 31AC
<i>Carex acutiformis</i>	Dg	3.0	01BA, 22, 22EA

Alliance 01AA *Salicion cinereae***Willow carrs**

No. of relevés: 117

Diagnostic species (2)

<i>Salix cinerea</i>	C, Dm	57.2	01, 18
<i>Solanum dulcamara</i>	C	24.1	01, 01BA, 31, 31AB

Constant species (4)

<i>Salix cinerea</i>	Dg, Dm	99.0	01, 18
<i>Lysimachia vulgaris</i>		67.0	01, 01BA, 17BC, 17BF, 18, 18AA, 22, 22EA, 31, 31AB
<i>Urtica dioica</i>		49.0	01, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Solanum dulcamara</i>	Dg	43.0	01, 01BA, 31, 31AB

Dominant species (6)

<i>Salix cinerea</i>	Dg, C	85.0	01
<i>Phragmites australis</i>		7.0	22, 22AA
<i>Thelypteris palustris</i>		5.0	01, 01BA
<i>Filipendula ulmaria</i>		4.0	17BA, 17BF
<i>Salix purpurea</i>		3.0	31, 31AA
<i>Rubus caesius</i>		3.0	31, 31AB, 31AC, 43BA

Alliance 01BA *Alnion glutinosae***Alder carrs**

No. of relevés: 263

Diagnostic species (7)

<i>Alnus glutinosa</i>	C, Dm	60.4	01
<i>Carex elongata</i>	Dm	46.1	01
<i>Thelypteris palustris</i>	C, Dm	35.8	01, 17BF
<i>Solanum dulcamara</i>	C	34.7	01, 01AA, 31, 31AB
<i>Dryopteris cristata</i>		29.6	01
<i>Frangula alnus</i>	C	27.2	01, 18
<i>Lycopus europaeus</i>	C	26.2	01

Constant species (12)

<i>Alnus glutinosa</i>	Dg, Dm	98.0	01
<i>Lysimachia vulgaris</i>		75.0	01, 01AA, 17BC, 17BF, 18, 18AA, 22, 22EA, 31, 31AB
<i>Lycopus europaeus</i>	Dg	72.0	01, 17CD, 31AB
<i>Dryopteris carthusiana</i> agg.		65.0	01, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44, 44AA
<i>Frangula alnus</i>	Dg	62.0	01, 18, 18AA, 26, 26BA, 27AD, 39CA
<i>Solanum dulcamara</i>	Dg	61.0	01, 01AA, 31, 31AB
<i>Urtica dioica</i>		57.0	01, 01AA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Galium palustre</i> agg.		55.0	01, 17BE, 17BF, 22, 22EA, 31, 31AC, 32, 32CA, 32CB
<i>Caltha palustris</i>	Dm	53.0	01, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CA, 32CC

<i>Athyrium filix-femina</i>		49.0	01, 07, 07AC, 19BC, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Ranunculus repens</i>		44.0	01, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Thelypteris palustris</i>	Dg, Dm	41.0	01
Dominant species (7)			
<i>Alnus glutinosa</i>	Dg, C	57.0	01, 27BA
<i>Caltha palustris</i>	C	7.0	01, 17BA, 19, 19AA, 19BC
<i>Carex acutiformis</i>		5.0	01, 22, 22EA
<i>Carex riparia</i>		4.0	01, 22, 22EA, 31, 31AC
<i>Thelypteris palustris</i>	Dg, C	3.0	01, 01AA
<i>Molinia caerulea</i> agg.		3.0	17BC, 18, 18AA, 26, 26AA, 40AB
<i>Carex elongata</i>	Dg	3.0	

Class 02 *Artemisietea vulgaris***Subxerothermophilous ruderal and natural communities of biennial and perennial herbs**

No. of relevés: 1725

Diagnostic species (15)

<i>Carduus acanthoides</i>	C, Dm	42.2	02AA, 02AB
<i>Artemisia vulgaris</i>	C, Dm	42.1	
<i>Silene latifolia</i> * <i>alba</i>	C	32.3	
<i>Ballota nigra</i>	C	32.1	02AA, 02AD, 28BB
<i>Elytrigia repens</i>	C, Dm	28.9	
<i>Hackelia deflexa</i>		28.2	02AC
<i>Cichorium intybus</i>		27.9	
<i>Reseda lutea</i>		26.4	
<i>Convolvulus arvensis</i>	C	26.3	33, 33AB
<i>Lactuca serriola</i>		25.9	33DA
<i>Melilotus officinalis</i>		25.8	02AB
<i>Berteroa incana</i>	Dm	25.8	
<i>Daucus carota</i>	C	25.1	
<i>Cardaria draba</i>	Dm	25.0	02BA
<i>Pastinaca sativa</i>		24.7	

Constant species (12)

<i>Artemisia vulgaris</i>	Dg, Dm	63.0	02AA, 02AB, 02AD, 02BA, 33DA, 33DB, 43, 43AA, 43BA
<i>Achillea millefolium</i> agg.		51.0	02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Elytrigia repens</i>	Dg, Dm	45.0	02AB, 02BA, 29, 33, 33AB, 33BA, 33BB, 43, 43AA, 43AC, 43BA
<i>Carduus acanthoides</i>	Dg, Dm	38.0	02AA, 02AB
<i>Convolvulus arvensis</i>	Dg	35.0	02BA, 33, 33AA, 33AB, 33BA, 33BB, 33BC, 33EA
<i>Daucus carota</i>	Dg	34.0	02AB, 33AB
<i>Tripleurospermum inodorum</i>		31.0	02AB, 04, 04AB, 12, 12AA, 33, 33AB, 33BA, 33BB, 33BC, 33DA, 33DB

<i>Plantago lanceolata</i>		31.0	02AA, 02AB, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Ballota nigra</i>	Dg	31.0	02AA, 02AD, 28BB
<i>Taraxacum</i> sect. <i>Ruderalia</i>		30.0	11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Urtica dioica</i>		29.0	01, 01AA, 01BA, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Silene latifolia</i> * <i>alba</i>	Dg	28.0	
Dominant species (4)			
<i>Artemisia vulgaris</i>	Dg, C	5.0	02AB, 02AD
<i>Cardaria draba</i>	Dg	4.0	02BA, 33DA
<i>Berteroa incana</i>	Dg	4.0	02AB
<i>Conium maculatum</i>		3.0	02AD

Alliance 02AA *Onopordion acanthii*

Archaeophytic xerothermophilous ruderal communities of tall perennial herbs

No. of relevés: 204

Diagnostic species (6)

<i>Marrubium peregrinum</i>	Dm	58.4	
<i>Salvia nemorosa</i>	Dm	35.8	
<i>Artemisia absinthium</i>	C, Dm	34.7	14BA
<i>Carduus acanthoides</i>	C	29.2	02, 02AB
<i>Sisymbrium orientale</i>		26.0	
<i>Ballota nigra</i>	C	24.4	02, 02AD, 28BB

Constant species (8)

<i>Achillea millefolium</i> agg.		73.0	02, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Plantago lanceolata</i>		62.0	02, 02AB, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Artemisia vulgaris</i>		54.0	02, 02AB, 02AD, 02BA, 33DA, 33DB, 43, 43AA, 43BA
<i>Carduus acanthoides</i>	Dg	52.0	02, 02AB
<i>Ballota nigra</i>	Dg	52.0	02, 02AD, 28BB
<i>Potentilla argentea</i> agg.		46.0	10AB, 10CA, 34AA
<i>Artemisia absinthium</i>	Dg, Dm	44.0	
<i>Poa pratensis</i> agg.		42.0	10BA, 10BB, 10CA, 17, 17AA, 17BB, 17BC, 17BD, 17BE, 27AB, 37, 43AD

Dominant species (3)

<i>Artemisia absinthium</i>	Dg, C	16.0	
<i>Xeranthemum annuum</i>		4.0	
<i>Marrubium peregrinum</i>	Dg	3.0	

Alliance 02AB *Dauco-Melilotion***Xerothermophilous ruderal communities of biennial and perennial herbs on dried gravelly soils**

No. of relevés: 754

Diagnostic species (3)

<i>Carduus acanthoides</i>	C, Dm	30.5	02, 02AA
<i>Onopordum acanthium</i>	Dm	25.9	
<i>Melilotus officinalis</i>	Dm	25.1	02

Constant species (7)

<i>Artemisia vulgaris</i>	Dm	76.0	02, 02AA, 02AD, 02BA, 33DA, 33DB, 43, 43AA, 43BA
<i>Achillea millefolium</i> agg.		64.0	02, 02AA, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Daucus carota</i>		58.0	02, 33AB
<i>Carduus acanthoides</i>	Dg, Dm	54.0	02, 02AA
<i>Elytrigia repens</i>		49.0	02, 02BA, 29, 33, 33AB, 33BA, 33BB, 43, 43AA, 43AC, 43BA
<i>Plantago lanceolata</i>		45.0	02, 02AA, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Tripleurospermum inodorum</i>		43.0	02, 04, 04AB, 12, 12AA, 33, 33AB, 33BA, 33BB, 33BC, 33DA, 33DB

Dominant species (6)

<i>Berteroa incana</i>		8.0	02
<i>Artemisia vulgaris</i>	C	7.0	02, 02AD
<i>Onopordum acanthium</i>	Dg	6.0	
<i>Carduus acanthoides</i>	Dg, C	5.0	
<i>Solidago gigantea</i>		3.0	29AA, 43, 43BA
<i>Melilotus albus</i>		3.0	

Alliance 02AC *Erysimo wittmannii-Hackelion deflexae***Relict natural nitrophilous vegetation on bottoms of overhangs in limestone mountains**

No. of relevés: 177

Diagnostic species (9)

<i>Hackelia deflexa</i>	C, Dm	89.1	02
<i>Cynoglossum officinale</i>	C	53.9	
<i>Taraxacum</i> sect. <i>Erythrosperma</i>		39.2	
<i>Erysimum wittmannii</i>	C	33.4	08, 08AA
<i>Sisymbrium austriacum</i>		30.1	
<i>Hieracium bifidum</i>	C	29.8	08, 08AA
<i>Chenopodium foliosum</i>		29.0	
<i>Campanula rapunculoides</i>	C	27.4	08, 25
<i>Nepeta cataria</i>		25.6	

Constant species (9)

<i>Hackelia deflexa</i>	Dg, Dm	80.0	
<i>Campanula rapunculoides</i>	Dg	70.0	08, 25, 25AA
<i>Arabidopsis arenosa</i> agg.		63.0	03, 03AB, 03CD, 36, 36AA, 36CC, 46
<i>Lactuca muralis</i>		59.0	07, 07AA, 25, 25AA, 26, 26BA, 27, 27BB, 27BC, 27BD, 27BE, 39, 39BD
<i>Hieracium bifidum</i>	Dg	50.0	08, 08AA
<i>Cynoglossum officinale</i>	Dg	50.0	
<i>Poa nemoralis</i>		48.0	03CD, 25, 25AA, 26, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 46AA, 50

<i>Geranium robertianum</i>		41.0	03, 07, 27, 27BC, 27BD, 36, 36CB, 36CC, 43AB
<i>Erysimum witmannii</i>	Dg	41.0	08
Dominant species (3)			
<i>Urtica dioica</i>		3.0	17EC, 28BB, 31, 31AB, 31AC, 36CB, 43, 43AB, 43AD, 43BA
<i>Hackelia deflexa</i>	Dg, C	3.0	
<i>Bromus tectorum</i>		3.0	14, 14BA, 29AA, 33DA

Alliance 02AD *Arction lappae***Nitrophilous ruderal communities of broad-leaved herbs on anthropogenous soils**

No. of relevés: 331

Diagnostic species (2)			
<i>Conium maculatum</i>	Dm	28.5	
<i>Ballota nigra</i>	C, Dm	27.8	02, 02AA, 28BB
Constant species (3)			
<i>Urtica dioica</i>	Dm	76.0	01, 01AA, 01BA, 02, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Artemisia vulgaris</i>	Dm	76.0	02, 02AA, 02AB, 02BA, 33DA, 33DB, 43, 43AA, 43BA
<i>Ballota nigra</i>	Dg, Dm	60.0	02, 02AA, 28BB
Dominant species (7)			
<i>Conium maculatum</i>	Dg	18.0	02
<i>Artemisia vulgaris</i>	C	11.0	02, 02AB
<i>Arctium tomentosum</i>		10.0	
<i>Arctium lappa</i>		6.0	
<i>Rumex obtusifolius</i>		4.0	43, 43AC, 43AD
<i>Chenopodium bonus-henricus</i>		3.0	
<i>Arctium minus</i>		3.0	

Alliance 02BA *Convolvulo arvensis-Agropyrion reptans***Perennial thermophilous ruderal and seminatural vegetation on disturbed loamy soils**

No. of relevés: 259

Diagnostic species (2)			
<i>Cardaria draba</i>	C, Dm	33.5	02
<i>Falcaria vulgaris</i>	Dm	27.9	
Constant species (5)			
<i>Elytrigia repens</i>	Dm	73.0	02, 02AB, 29, 33, 33AB, 33BA, 33BB, 43, 43AA, 43AC, 43BA
<i>Convolvulus arvensis</i>		68.0	02, 33, 33AA, 33AB, 33BA, 33BB, 33BC, 33EA
<i>Artemisia vulgaris</i>		56.0	02, 02AA, 02AB, 02AD, 33DA, 33DB, 43, 43AA, 43BA
<i>Achillea millefolium</i> agg.		46.0	02, 02AA, 02AB, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Cardaria draba</i>	Dg, Dm	41.0	
Dominant species (8)			
<i>Cardaria draba</i>	Dg, C	24.0	02, 33DA

<i>Falcaria vulgaris</i>	Dg	16.0	
<i>Elytrigia repens</i>	C	15.0	33AC
<i>Bromus inermis</i>		7.0	
<i>Chondrilla juncea</i>		6.0	
<i>Saponaria officinalis</i>		3.0	
<i>Poa compressa</i>		3.0	
<i>Bothriochloa ischaemum</i>		3.0	09, 09AA

Class 03 *Asplenietea trichomanis***Chasmophytic vegetation of rocky fissures and cliffs**

No. of relevés: 410

Diagnostic species (18)

<i>Cystopteris fragilis</i>	C	42.9	03AB, 36CC
<i>Asplenium trichomanes</i>	C	40.7	03BA, 03CD
<i>Neckera crispa</i>	C, Dm	35.0	03AB, 08
<i>Campanula cochleariifolia</i>	C	32.8	03AA, 08
<i>Asplenium viride</i>	C	31.1	03AB
<i>Carex brachystachys</i>		29.9	03AB
<i>Crepis jacquinii</i>	C	29.7	03AA, 06AA, 08
<i>Anomodon viticulosus</i>		29.1	03AB
<i>Carex firma</i>	C, Dm	27.9	03AA, 06, 06AA
<i>Trisetum alpestre</i>	C	27.3	03AA, 06, 08
<i>Ctenidium molluscum</i>	C	27.3	03AB, 08
<i>Polypodium vulgare</i>	Dm	27.2	03CD
<i>Orthothecium rufescens</i>		26.8	03AB
<i>Metzgeria conjugata</i>		25.3	
<i>Tortella tortuosa</i>	C	25.2	06, 06AA, 08, 08AA
<i>Ditrichium flexicaule</i>	C	24.5	03AA, 06AA, 08, 08AA, 42AA
<i>Arabidopsis arenosa</i> agg.	C	24.4	
<i>Primula auricula</i>	C	24.2	03AA, 06, 06AB, 08, 08AA

Constant species (18)

<i>Tortella tortuosa</i>	Dg	48.0	03AA, 03AB, 06, 06AA, 06AC, 08, 08AA, 42, 42AA
<i>Sesleria caerulea</i>	Dm	41.0	03AA, 03AB, 06, 06AB, 08, 08AA, 10AF, 20CD
<i>Cystopteris fragilis</i>	Dg	40.0	03AB, 03CD, 36CC
<i>Arabidopsis arenosa</i> agg.	Dg	40.0	02AC, 03AB, 03CD, 36, 36AA, 36CC, 46
<i>Campanula cochleariifolia</i>	Dg	38.0	03AA, 06, 06AA, 08, 08AA
<i>Asplenium trichomanes</i>	Dg	36.0	03AB, 03BA, 03CB, 03CD
<i>Crepis jacquinii</i>	Dg	33.0	03AA, 06, 06AA, 08
<i>Ctenidium molluscum</i>	Dg	32.0	03AB, 08
<i>Trisetum alpestre</i>	Dg	31.0	03AA, 06, 08
<i>Primula auricula</i>	Dg	31.0	03AA, 06, 06AA, 06AB, 08, 08AA
<i>Ditrichium flexicaule</i>	Dg	31.0	03AA, 06, 06AA, 08, 08AA, 42AA
<i>Asplenium viride</i>	Dg	31.0	03AB
<i>Carex firma</i>	Dg, Dm	28.0	03AA, 06, 06AA, 42AA
<i>Bellidiastrum michelii</i>		28.0	03AB, 06, 06AA, 06AC, 08, 30BA
<i>Valeriana tripteris</i>		27.0	03AB, 08, 39BB, 39BD, 46, 46AA
<i>Phyteuma orbiculare</i>		27.0	06, 06AA, 06AB, 06AC, 08, 08AA, 20CD, 20CE, 42, 42AA, 46
<i>Neckera crispa</i>	Dg, Dm	27.0	03AB
<i>Geranium robertianum</i>		26.0	02AC, 07, 27, 27BC, 27BD, 36, 36CB, 36CC, 43AB

Dominant species (3)

<i>Sesleria caerulea</i>	C	5.0	03AB, 06AB, 08, 08AA, 10, 10AC, 10AF, 27AA, 39BB
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<i>Polypodium vulgare</i>	Dg	3.0	03AB, 03CD
<i>Hypnum cupressiforme</i> agg.		3.0	03CB, 03CD

Alliance 03AA *Potentillion caulescentis*

Chasmophytic vegetation of insolated calcareous cliffs in (sub-)alpine belt

No. of relevés: 92

Diagnostic species (20)

<i>Primula auricula</i>	C	48.3	03, 06, 06AB, 08, 08AA
<i>Campanula cochleariifolia</i>	C	42.9	03, 08
<i>Gentiana clusii</i>	C	38.4	06, 06AB
<i>Poa margilicola</i>		37.5	
<i>Crepis jacquinii</i>	C	37.4	03, 06AA, 08
<i>Trisetum alpestre</i>	C	36.5	03, 06, 08
<i>Leontopodium alpinum</i>		34.0	
<i>Carex firma</i>	C, Dm	34.0	03, 06, 06AA
<i>Petrocallis pyrenaica</i>		33.0	
<i>Minuartia langii</i>	C	31.1	06, 06AB, 08, 08AA
<i>Poa sejuncta</i>		29.3	
<i>Xanthoria elegans</i>		29.3	
<i>Kernera saxatilis</i>		28.0	08, 08AA
<i>Euphrasia salisburgensis</i>	C	25.4	06, 08
<i>Draba aizoides</i>		25.4	
<i>Aster alpinus</i>		24.7	
<i>Cotoneaster matrensis</i>		24.6	
<i>Festuca amethystina</i>		24.4	
<i>Ditrichium flexicaule</i>	C	24.2	03, 06AA, 08, 08AA, 42AA
<i>Festuca versicolor</i>	C	24.1	06, 06AA, 06AC, 42, 42AA

Constant species (14)

<i>Primula auricula</i>	Dg	84.0	03, 06, 06AA, 06AB, 08, 08AA
<i>Campanula cochleariifolia</i>	Dg	79.0	03, 06, 06AA, 08, 08AA
<i>Crepis jacquinii</i>	Dg	67.0	03, 06, 06AA, 08
<i>Trisetum alpestre</i>	Dg	64.0	03, 06, 08
<i>Carex firma</i>	Dg, Dm	61.0	03, 06, 06AA, 42AA
<i>Festuca versicolor</i>	Dg	57.0	06, 06AA, 06AC, 36AA, 42, 42AA, 42AB
<i>Tortella tortuosa</i>		55.0	03, 03AB, 06, 06AA, 06AC, 08, 08AA, 42, 42AA
<i>Gentiana clusii</i>	Dg	51.0	06
<i>Saxifraga paniculata</i>		49.0	06, 06AA, 08, 42, 42AA, 42AB, 46
<i>Galium pumilum</i> agg.		47.0	06, 06AA, 06AB, 06AC, 08, 08AA, 17EB, 20CE, 36AA, 42, 42AA, 46
<i>Sesleria caerulea</i>		46.0	03, 03AB, 06, 06AB, 08, 08AA, 10AF, 20CD
<i>Euphrasia salisburgensis</i>	Dg	46.0	06, 08
<i>Ditrichium flexicaule</i>	Dg	46.0	03, 06, 06AA, 08, 08AA, 42AA
<i>Minuartia langii</i>	Dg	41.0	06, 06AB, 08

Dominant species (1)

<i>Carex firma</i>	Dg, C	5.0	06, 06AA, 42AA
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Alliance 03AB *Cystopteridion*

Chasmophytic vegetation of shaded calcareous cliffs in montane belt and inverse locations

No. of relevés: 229

Diagnostic species (12)

<i>Neckera crispa</i>	C, Dm	41.5	03, 08
<i>Anomodon viticulosus</i>		31.9	03
<i>Carex brachystachys</i>		30.4	03

<i>Asplenium viride</i>	C	30.1	03
<i>Ctenidium molluscum</i>	C	29.1	03, 08
<i>Homalia besseri</i>		28.7	
<i>Cystopteris fragilis</i>	C	27.4	03, 36CC
<i>Orthothecium rufescens</i>		26.7	03
<i>Barbula crocea</i>		26.2	
<i>Apometzgeria pubescens</i>		25.5	
<i>Plagiopus oederiana</i>		25.1	
<i>Porella platyphylla</i>		24.4	
Constant species (10)			
<i>Tortella tortuosa</i>		59.0	03, 03AA, 06, 06AA, 06AC, 08, 08AA, 42, 42AA
<i>Cystopteris fragilis</i>	Dg	57.0	03, 03CD, 36CC
<i>Sesleria caerulea</i>	Dm	53.0	03, 03AA, 06, 06AB, 08, 08AA, 10AF, 20CD
<i>Ctenidium molluscum</i>	Dg	50.0	03, 08
<i>Asplenium viride</i>	Dg	49.0	03
<i>Arabidopsis arenosa</i> agg.		48.0	02AC, 03, 03CD, 36, 36AA, 36CC, 46
<i>Bellidiastrum michelii</i>		45.0	03, 06, 06AA, 06AC, 08, 30BA
<i>Asplenium trichomanes</i>		45.0	03, 03BA, 03CB, 03CD
<i>Valeriana tripteris</i>		42.0	03, 08, 39BB, 39BD, 46, 46AA
<i>Neckera crispa</i>	Dg, Dm	42.0	03
Dominant species (3)			
<i>Sesleria caerulea</i>	C	9.0	03, 06AB, 08, 08AA, 10, 10AC, 10AF, 27AA, 39BB
<i>Polypodium vulgare</i>		3.0	03, 03CD
<i>Neckera crispa</i>	Dg, C	3.0	03BA, 03CD

Alliance 03BA *Cymbalario-Asplenion*

Chasmophytic vegetation of walls and cliffs in colline belt

No. of relevés: 34

Diagnostic species (6)

<i>Cymbalaria muralis</i>	Dm	48.4	
<i>Taxus baccata</i>		47.1	
<i>Tortula muralis</i>		44.0	
<i>Asplenium ruta-muraria</i>	C	30.7	08, 08AA
<i>Asplenium trichomanes</i>	C	24.4	03, 03CD
<i>Corydalis lutea</i>	Dm	24.2	

Constant species (2)

<i>Asplenium ruta-muraria</i>	Dg	53.0	08, 08AA
<i>Asplenium trichomanes</i>	Dg	47.0	03, 03AB, 03CB, 03CD

Dominant species (4)

<i>Corydalis lutea</i>	Dg	6.0	
<i>Cymbalaria muralis</i>	Dg	6.0	
<i>Valeriana tripteris</i>		3.0	
<i>Neckera crispa</i>		3.0	03AB, 03CD

Alliance 03CB *Asplenion septentrionalis*

Chasmophytic vegetation of siliceous bedrock in (sub-)montane belt

No. of relevés: 29

Diagnostic species (6)

<i>Asplenium septentrionale</i>	C	66.1	34, 34BA
<i>Woodsia ilvensis</i>		54.6	
<i>Stereocaulon nanodes</i>		30.4	
<i>Racomitrium canescens</i>		27.1	34BA

<i>Hypnum callichroum</i>		25.5	
<i>Lepraria incana</i>		24.1	
Constant species (4)			
<i>Asplenium septentrionale</i>	Dg	83.0	
<i>Hylotelephium maximum</i>		45.0	03CD, 28AC, 34BA
<i>Rumex acetosella</i>		45.0	09, 10CA, 14, 33AB, 34AA, 36DA, 48, 48AA, 50, 50AB
<i>Asplenium trichomanes</i>		41.0	03, 03AB, 03BA, 03CD
Dominant species (2)			
<i>Polytrichum piliferum</i>		3.0	34, 34AA, 34BA
<i>Hypnum cupressiforme</i> agg.		3.0	03, 03CD

Alliance 03CD *Hypno-Polypodium vulgare*

Chasmophytic vegetation of shaded siliceous cliffs

No. of relevés: 26

Diagnostic species (12)			
<i>Polypodium vulgare</i>	C, Dm	53.7	03
<i>Bartramia halleriana</i>		36.9	
<i>Isoetecium alopecuroides</i>		36.6	
<i>Hypnum cupressiforme</i> agg.	C, Dm	30.6	08
<i>Scopolia carniolica</i>		29.3	
<i>Asplenium trichomanes</i>	C	28.1	03, 03BA
<i>Scapania nemorea</i>		27.5	
<i>Pedinophyllum interruptum</i>		27.2	
<i>Dicranodontium denudatum</i>		26.4	
<i>Plagiothecium denticulatum</i>		25.5	
<i>Tortella fragilis</i>		25.2	
<i>Lophozia ventricosa</i>		25.0	
Constant species (8)			
<i>Polypodium vulgare</i>	Dg, Dm	96.0	
<i>Hypnum cupressiforme</i> agg.	Dg, Dm	73.0	08, 08AA, 26
<i>Arabidopsis arenosa</i> agg.		58.0	02AC, 03, 03AB, 36, 36AA, 36CC, 46
<i>Dicranum scoparium</i>		54.0	08, 18, 26, 26BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA
<i>Asplenium trichomanes</i>	Dg	54.0	03, 03AB, 03BA, 03CB
<i>Hylotelephium maximum</i>		50.0	03CB, 28AC, 34BA
<i>Poa nemoralis</i>		42.0	02AC, 25, 25AA, 26, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 46AA, 50
<i>Cystopteris fragilis</i>	Dm	42.0	03, 03AB, 36CC
Dominant species (6)			
<i>Hypnum cupressiforme</i> agg.	Dg, C	31.0	03, 03CB
<i>Polypodium vulgare</i>	Dg, C	19.0	03, 03AB
<i>Polytrichum formosum</i> agg.		4.0	
<i>Dicranum montanum</i>		4.0	
<i>Neckera crispa</i>		4.0	03AB, 03BA
<i>Cystopteris fragilis</i>	C	4.0	

Class 04 *Bidentetea tripartitae*

Annual ruderal and seminatural nitrophilous vegetation of wet watersides and exposed bottoms

No. of relevés: 696

Diagnostic species (12)			
<i>Persicaria lapathifolia</i>	C, Dm	48.7	04AB, 12
<i>Bidens tripartita</i>	C, Dm	43.6	04AA, 12
<i>Chenopodium glaucum</i>	C, Dm	43.1	04AB, 11DA

<i>Atriplex prostrata</i>		39.4	04AB
<i>Persicaria hydropiper</i>	C, Dm	38.2	04AA
<i>Echinochloa crus-galli</i>	C, Dm	37.7	04AB, 12, 33BB, 33BC
<i>Chenopodium ficifolium</i>	Dm	37.1	04AB, 33DB
<i>Chenopodium rubrum</i>	Dm	37.0	04AB
<i>Persicaria dubia</i>	Dm	27.6	04AA
<i>Rumex maritimus</i>		25.7	
<i>Tripleurospermum inodorum</i>	C	25.2	33
<i>Bidens frondosa</i>	Dm	25.2	
Constant species (10)			
<i>Persicaria lapathifolia</i>	Dg, Dm	58.0	04AA, 04AB, 12, 12AD, 33BB
<i>Bidens tripartita</i>	Dg, Dm	49.0	04AA, 11AC, 12, 12AD
<i>Persicaria hydropiper</i>	Dg, Dm	42.0	04AA, 31AB
<i>Echinochloa crus-galli</i>	Dg, Dm	39.0	04AB, 12, 33BB, 33BC
<i>Tripleurospermum inodorum</i>	Dg	36.0	02, 02AB, 04AB, 12, 12AA, 33, 33AB, 33BA, 33BB, 33BC, 33DA, 33DB
<i>Agrostis stolonifera</i>		36.0	04AA, 11, 11AA, 11AB, 11AC, 12, 12AB, 17BB, 17BE, 17CA, 17DA, 31AA
<i>Plantago major</i>		35.0	17CA, 17DA, 17EC, 23, 23AA, 23AB, 33AB, 33BB
<i>Ranunculus repens</i>		33.0	01, 01BA, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Chenopodium glaucum</i>	Dg, Dm	31.0	04AB
<i>Urtica dioica</i>		26.0	01, 01AA, 01BA, 02, 02AD, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
Dominant species (10)			
<i>Persicaria lapathifolia</i>	Dg, C	7.0	04AA, 04AB
<i>Bidens tripartita</i>	Dg, C	7.0	04AA
<i>Persicaria hydropiper</i>	Dg, C	6.0	04AA
<i>Persicaria dubia</i>	Dg	6.0	04AA
<i>Echinochloa crus-galli</i>	Dg, C	6.0	04AB, 33BB, 33BC
<i>Chenopodium glaucum</i>	Dg, C	4.0	04AB, 11DA
<i>Puccinellia distans</i> agg.		3.0	04AB, 11, 11BA
<i>Chenopodium ficifolium</i>	Dg	3.0	04AB
<i>Bidens frondosa</i>	Dg	3.0	04AA
<i>Alopecurus aequalis</i>		3.0	04AA

Alliance 04AA *Bidention tripartitae***Annual hydrophilous vegetation of wet watersides and exposed bottoms**

No. of relevés: 385

Diagnostic species (3)

<i>Bidens tripartita</i>	C, Dm	29.3	04, 12
<i>Persicaria hydropiper</i>	C, Dm	29.2	04
<i>Persicaria dubia</i>	Dm	27.3	04

Constant species (5)

<i>Bidens tripartita</i>	Dg, Dm	62.0	04, 11AC, 12, 12AD
<i>Persicaria hydropiper</i>	Dg, Dm	61.0	04, 31AB
<i>Persicaria lapathifolia</i>	Dm	55.0	04, 04AB, 12, 12AD, 33BB

<i>Ranunculus repens</i>	46.0	01, 01BA, 04, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Agrostis stolonifera</i>	44.0	04, 11, 11AA, 11AB, 11AC, 12, 12AB, 17BB, 17BE, 17CA, 17DA, 31AA

Dominant species (7)

<i>Persicaria dubia</i>	Dg	12.0	04
<i>Bidens tripartita</i>	Dg, C	12.0	04
<i>Persicaria hydropiper</i>	Dg, C	10.0	04
<i>Persicaria lapathifolia</i>	C	6.0	04, 04AB
<i>Bidens frondosa</i>		6.0	04
<i>Alopecurus aequalis</i>		5.0	04
<i>Rumex maritimus</i>		3.0	

Alliance 04AB *Chenopodium glauci***Subhalophilous annual ruderal vegetation on ammoniac-rich soils**

No. of relevés: 311

Diagnostic species (6)

<i>Chenopodium glaucum</i>	C, Dm	39.7	04, 11DA
<i>Chenopodium ficifolium</i>	Dm	38.8	04, 33DB
<i>Atriplex prostrata</i>		38.2	04
<i>Chenopodium rubrum</i>	Dm	36.3	04
<i>Persicaria lapathifolia</i>	C, Dm	26.3	04, 12
<i>Echinochloa crus-galli</i>	C, Dm	26.1	04, 12, 33BB, 33BC

Constant species (4)

<i>Persicaria lapathifolia</i>	Dg, Dm	62.0	04, 04AA, 12, 12AD, 33BB
<i>Echinochloa crus-galli</i>	Dg, Dm	57.0	04, 12, 33BB, 33BC
<i>Chenopodium glaucum</i>	Dg, Dm	55.0	04
<i>Tripleurospermum inodorum</i>		44.0	02, 02AB, 04, 12, 12AA, 33, 33AB, 33BA, 33BB, 33BC, 33DA, 33DB

Dominant species (8)

<i>Echinochloa crus-galli</i>	Dg, C	14.0	04, 33BB, 33BC
<i>Chenopodium glaucum</i>	Dg, C	10.0	04, 11DA
<i>Persicaria lapathifolia</i>	Dg, C	8.0	04, 04AA
<i>Puccinellia distans</i> agg.		7.0	04, 11, 11BA
<i>Chenopodium ficifolium</i>	Dg	7.0	04
<i>Xanthium albinum</i>		5.0	
<i>Chenopodium rubrum</i>	Dg	5.0	
<i>Persicaria maculosa</i>		4.0	

Class 06 *Elyno-Seslerietea***Montane and alpine calcareous stepped and garland grasslands**

No. of relevés: 1440

Diagnostic species (26)

<i>Scabiosa lucida</i>	C	34.9	06AC, 08
<i>Galium pumilum</i> agg. ¹	C	34.9	08, 42AA
<i>Phyteuma orbiculare</i>	C	34.8	06AC, 08, 08AA
<i>Carex firma</i>	C, Dm	34.8	03, 03AA, 06AA
<i>Saxifraga caesia</i>		34.4	06AA
<i>Sesleria caerulea</i>	C, Dm	34.3	06AB, 08, 08AA, 10AF

¹ In this class *Galium anisophyllum* prevails.

<i>Gentiana clusii</i>	C	34.0	03AA, 06AB
<i>Festuca versicolor</i>	C, Dm	33.0	03AA, 06AA, 06AC, 42, 42AA
<i>Dianthus nitidus</i>		33.0	06AA
<i>Euphrasia salisburgensis</i>	C	32.6	03AA, 08
<i>Primula auricula</i>	C	30.8	03, 03AA, 06AB, 08, 08AA
<i>Dryas octopetala</i>	Dm	30.7	06AA, 42AA
<i>Anthyllis vulneraria</i> ²	C	30.5	10
<i>Minuartia langii</i>	C	29.0	03AA, 06AB, 08, 08AA
<i>Trisetum alpestre</i>	C	28.9	03, 03AA, 08
<i>Ranunculus breyninus</i>	C	28.4	42, 42AA
<i>Thymus pulcherrimus</i>	C	28.3	08, 08AA
<i>Salix alpina</i>		28.0	06AA
<i>Bellidiastrum michelii</i>	C	28.0	06AC, 08
<i>Ranunculus alpestris</i>		26.8	06AA, 30BA
<i>Helianthemum grandiflorum</i>	C	26.6	
<i>Tortella tortuosa</i>	C	26.5	03, 06AA, 08, 08AA
<i>Thesium alpinum</i>	C	25.9	06AB, 08, 08AA, 20CD
<i>Carex sempervirens</i> ³	C, Dm	25.5	06AC, 13, 42
<i>Festuca tatrae</i>	C	24.8	06AB, 08, 08AA
<i>Saxifraga paniculata</i>	C	24.7	42, 42AA
Constant species (32)			
<i>Galium pumilum</i> agg.	Dg	62.0	03AA, 06AA, 06AB, 06AC, 08, 08AA, 17EB, 20CE, 36AA, 42, 42AA, 46
<i>Sesleria caerulea</i>	Dg, Dm	59.0	03, 03AA, 03AB, 06AB, 08, 08AA, 10AF, 20CD
<i>Phyteuma orbiculare</i>	Dg	59.0	03, 06AA, 06AB, 06AC, 08, 08AA, 20CD, 20CE, 42, 42AA, 46
<i>Tortella tortuosa</i>	Dg	50.0	03, 03AA, 03AB, 06AA, 06AC, 08, 08AA, 42, 42AA
<i>Scabiosa lucida</i>	Dg	49.0	06AB, 06AC, 08, 08AA, 20CD
<i>Carex sempervirens</i>	Dg, Dm	44.0	06AB, 06AC, 13, 13AA, 20CE, 42, 42AA, 42AB
<i>Festuca versicolor</i>	Dg, Dm	42.0	03AA, 06AA, 06AC, 36AA, 42, 42AA, 42AB
<i>Helianthemum grandiflorum</i>	Dg	40.0	06AB, 06AC, 08, 10, 10AF, 46
<i>Thymus pulcherrimus</i>	Dg	38.0	06AB, 06AC, 08, 08AA
<i>Saxifraga paniculata</i>	Dg	38.0	03AA, 06AA, 08, 42, 42AA, 42AB, 46
<i>Primula auricula</i>	Dg	38.0	03, 03AA, 06AA, 06AB, 08, 08AA
<i>Anthyllis vulneraria</i>	Dg	38.0	06AB, 10, 10AC, 10AF, 10BA
<i>Bellidiastrum michelii</i>	Dg	36.0	03, 03AB, 06AA, 06AC, 08, 30BA
<i>Euphrasia salisburgensis</i>	Dg	35.0	03AA, 08
<i>Carex firma</i>	Dg, Dm	34.0	03, 03AA, 06AA, 42AA
<i>Trisetum alpestre</i>	Dg	33.0	03, 03AA, 08
<i>Jovibarba globifera</i>		33.0	06AB, 08, 08AA, 10AC, 34, 34CA
<i>Thesium alpinum</i>	Dg	31.0	06AB, 08, 08AA, 20CD
<i>Ranunculus breyninus</i>	Dg	30.0	06AC, 36AA, 42, 42AA
<i>Leucanthemum vulgare</i> agg. ⁴		30.0	08, 10BA, 10BB, 17, 17AA, 17AB, 17BD, 17EA, 20CD, 46
<i>Gentiana clusii</i>	Dg	30.0	03AA
<i>Festuca tatrae</i>	Dg	30.0	06AB, 08, 08AA

² In this class *Anthyllis *alpestris* strongly prevails.

³ In this class *Carex *tatorum* (Zapał) Pawł. occurs.

⁴ In this class *Leucanthemum margaritae* (Jáv.) Zelený strongly prevails.

<i>Ditrichium flexicaule</i>		30.0	03, 03AA, 06AA, 08, 08AA, 42AA
<i>Lotus corniculatus</i>		29.0	06AC, 10, 10BA, 10BB, 11CA, 12AB, 17, 17AA, 17AB, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Bistorta vivipara</i>		29.0	06AA, 06AC, 30BA, 42, 42AA, 42AB
<i>Campanula cochleariifolia</i>		28.0	03, 03AA, 06AA, 08, 08AA
<i>Bartsia alpina</i>		28.0	06AA, 06AC, 30BA, 42, 42AA, 42AB
<i>Polygala amara</i>		27.0	08, 08AA
<i>Minuartia langii</i>	Dg	27.0	03AA, 06AB, 08
<i>Crepis jacquini</i>		27.0	03, 03AA, 06AA, 08
<i>Carlina acaulis</i>		26.0	06AC, 08, 10BA, 10BB, 20CC, 20CD
<i>Carduus glaucinus</i>		26.0	08, 08AA, 20CD
Dominant species (4)			
<i>Carex sempervirens</i>	Dg, C	11.0	06AB, 06AC, 13, 13AA
<i>Carex firma</i>	Dg, C	6.0	03AA, 06AA, 42AA
<i>Festuca versicolor</i>	Dg, C	3.0	06AA, 06AC, 42, 42AA, 42AB
<i>Dryas octopetala</i>	Dg	3.0	06AA

Alliance 06AA *Caricion firmae*

Alpine and subalpine open sedge swards on shallow calcareous soils on northern windswept slopes and ridges

No. of relevés: 375

Diagnostic species (25)

<i>Saxifraga caesia</i>	C	61.1	06
<i>Dryas octopetala</i>	C, Dm	54.0	06, 42AA
<i>Carex firma</i>	C, Dm	50.8	03, 03AA, 06
<i>Ranunculus alpestris</i>	C	46.0	06, 30BA
<i>Festuca versicolor</i>	C, Dm	41.2	03AA, 06, 06AC, 42, 42AA
<i>Salix alpina</i>	C	39.5	06
<i>Crepis jacquini</i>	C	34.7	03, 03AA, 08
<i>Hypnum bambergeri</i>		34.5	
<i>Pinguicula alpina</i>	C	34.2	
<i>Dianthus nitidus</i>		31.9	06
<i>Saxifraga aizoides</i>	C	31.3	30BA, 42AA
<i>Ditrichium flexicaule</i>	C	31.3	03, 03AA, 08, 08AA, 42AA
<i>Androsace lactea</i>		29.9	
<i>Chamorchis alpina</i>		29.2	
<i>Caloplaca ammiospila</i>		29.0	
<i>Vulpicida tubulosus</i>		28.9	42, 42AA
<i>Ctenidium procerrimum</i>		28.4	42AA
<i>Selaginella selaginoides</i>	C	28.3	30BA
<i>Arenaria tenella</i>		28.2	36AA, 42AA
<i>Bartsia alpina</i>	C	27.9	06AC, 42, 42AB
<i>Bistorta vivipara</i>	C	26.8	30BA, 42, 42AA, 42AB
<i>Helianthemum alpestre</i>		26.4	42AA
<i>Androsace chamaejasme</i>		25.8	42, 42AA
<i>Tortella tortuosa</i>	C	24.4	03, 06, 08, 08AA
<i>Tofieldia calyculata</i>		24.1	

Constant species (24)

<i>Festuca versicolor</i>	Dg, Dm	95.0	03AA, 06, 06AC, 36AA, 42, 42AA, 42AB
<i>Carex firma</i>	Dg, Dm	90.0	03, 03AA, 06, 42AA
<i>Ranunculus alpestris</i>	Dg	79.0	30BA, 42AA
<i>Dryas octopetala</i>	Dg, Dm	73.0	42AA
<i>Tortella tortuosa</i>	Dg	72.0	03, 03AA, 03AB, 06, 06AC, 08, 08AA, 42, 42AA

<i>Bistorta vivipara</i>	Dg	68.0	06, 06AC, 30BA, 42, 42AA, 42AB
<i>Crepis jacquinii</i>	Dg	63.0	03, 03AA, 06, 08
<i>Galium pumilum</i> agg.		62.0	03AA, 06, 06AB, 06AC, 08, 08AA, 17EB, 20CE, 36AA, 42, 42AA, 46
<i>Ditrichium flexicaule</i>	Dg	58.0	03, 03AA, 06, 08, 08AA, 42AA
<i>Bartsia alpina</i>	Dg	56.0	06, 06AC, 30BA, 42, 42AA, 42AB
<i>Saxifraga caesia</i>	Dg	53.0	
<i>Selaginella selaginoides</i>	Dg	46.0	30BA
<i>Saxifraga paniculata</i>		46.0	03AA, 06, 08, 42, 42AA, 42AB, 46
<i>Saxifraga aizoides</i>	Dg	46.0	30BA, 42AA
<i>Soldanella carpatica</i>		45.0	06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 42AB, 46, 47, 47AA
<i>Campanula cochleariifolia</i>		45.0	03, 03AA, 06, 08, 08AA
<i>Salix alpina</i>	Dg	43.0	
<i>Pinguicula alpina</i>	Dg	42.0	
<i>Phyteuma orbiculare</i>		42.0	03, 06, 06AB, 06AC, 08, 08AA, 20CD, 20CE, 42, 42AA, 46
<i>Pedicularis verticillata</i>		42.0	42, 42AA, 42AB
<i>Cetraria islandica</i>		42.0	13, 13AA, 42, 42AA, 42AB, 44, 45, 45AA, 45AB
<i>Silene acaulis</i>		41.0	36BA, 42, 42AA, 42AB
<i>Primula auricula</i>		41.0	03, 03AA, 06, 06AB, 08, 08AA
<i>Bellidiastrum michelii</i>		41.0	03, 03AB, 06, 06AC, 08, 30BA
Dominant species (3)			
<i>Carex firma</i>	Dg, C	22.0	03AA, 06, 42AA
<i>Dryas octopetala</i>	Dg, C	11.0	06
<i>Festuca versicolor</i>	Dg, C	3.0	06, 06AC, 42, 42AA, 42AB

Alliance 06AB *Astero alpini-Seslerion calcariae*

High mountain open communities on relatively protected steep sunny slopes with shallow soils on calcareous bedrock

No. of relevés: 872

Diagnostic species (7)

<i>Minuartia langii</i>	C	31.4	03AA, 06, 08, 08AA
<i>Sesleria caerulea</i>	C, Dm	30.7	06, 08, 08AA, 10AF
<i>Festuca tatrae</i>	C	28.2	06, 08, 08AA
<i>Pulsatilla slavica</i>		26.5	08, 08AA
<i>Thesium alpinum</i>	C	25.5	06, 08, 08AA, 20CD
<i>Primula auricula</i>	C	24.8	03, 03AA, 06, 08, 08AA
<i>Gentiana clusii</i>		24.6	03AA, 06

Constant species (13)

<i>Sesleria caerulea</i>	Dg, Dm	88.0	03, 03AA, 03AB, 06, 08, 08AA, 10AF, 20CD
<i>Phyteuma orbiculare</i>		61.0	03, 06, 06AA, 06AC, 08, 08AA, 20CD, 20CE, 42, 42AA, 46
<i>Galium pumilum</i> agg.		60.0	03AA, 06, 06AA, 06AC, 08, 08AA, 17EB, 20CE, 36AA, 42, 42AA, 46
<i>Scabiosa lucida</i>		58.0	06, 06AC, 08, 08AA, 20CD
<i>Thymus pulcherrimus</i>		51.0	06, 06AC, 08, 08AA
<i>Jovibarba globifera</i>		49.0	06, 08, 08AA, 10AC, 34, 34CA
<i>Helianthemum grandiflorum</i>		47.0	06, 06AC, 08, 10, 10AF, 46
<i>Festuca tatrae</i>	Dg	46.0	06, 08, 08AA
<i>Anthyllis vulneraria</i>		46.0	06, 10, 10AC, 10AF, 10BA
<i>Thesium alpinum</i>	Dg	45.0	06, 08, 08AA, 20CD
<i>Primula auricula</i>	Dg	44.0	03, 03AA, 06, 06AA, 08, 08AA

<i>Carex sempervirens</i>	Dm	44.0	06, 06AC, 13, 13AA, 20CE, 42, 42AA, 42AB
<i>Minuartia langii</i>	Dg	42.0	03AA, 06, 08
Dominant species (2)			
<i>Carex sempervirens</i>	C	14.0	06, 06AC, 13, 13AA
<i>Sesleria caerulea</i>	Dg, C	4.0	03, 03AB, 08, 08AA, 10, 10AC, 10AF, 27AA, 39BB

Alliance 06AC *Seslerion tatrae*

Alpine and subalpine chionophilous blue-grass swards on leeward slopes with deeper soils on calcareous bedrock

No. of relevés: 193

Diagnostic species (11)

<i>Sesleria tatrae</i>	C, Dm	40.5	20CE, 36AA, 42AA, 46
<i>Gentiana verna</i>		36.0	
<i>Carex sempervirens</i>	C, Dm	31.7	06, 13, 42
<i>Phyteuma orbiculare</i>	C	29.8	06, 08, 08AA
<i>Tephrosieris capitata</i>		29.2	
<i>Scabiosa lucida</i>	C	29.1	06, 08
<i>Hieracium villosum</i>		28.1	
<i>Festuca versicolor</i>	C, Dm	27.1	03AA, 06, 06AA, 42, 42AA
<i>Bellidiastrum michelii</i>	C	26.5	06, 08
<i>Bartsia alpina</i>	C	24.3	06AA, 42, 42AB
<i>Phleum hirsutum</i>		24.2	20CC, 20CE, 46

Constant species (23)

<i>Sesleria tatrae</i>	Dg, Dm	87.0	20CE, 30BA, 36AA, 42AA, 46, 46AA
<i>Carex sempervirens</i>	Dg, Dm	87.0	06, 06AB, 13, 13AA, 20CE, 42, 42AA, 42AB
<i>Phyteuma orbiculare</i>	Dg	84.0	03, 06, 06AA, 06AB, 08, 08AA, 20CD, 20CE, 42, 42AA, 46
<i>Galium pumilum</i> agg.		73.0	03AA, 06, 06AA, 06AB, 08, 08AA, 17EB, 20CE, 36AA, 42, 42AA, 46
<i>Scabiosa lucida</i>	Dg	71.0	06, 06AB, 08, 08AA, 20CD
<i>Festuca versicolor</i>	Dg, Dm	63.0	03AA, 06, 06AA, 36AA, 42, 42AA, 42AB
<i>Helianthemum grandiflorum</i>		60.0	06, 06AB, 08, 10, 10AF, 46
<i>Bellidiastrum michelii</i>	Dg	59.0	03, 03AB, 06, 06AA, 08, 30BA
<i>Potentilla aurea</i>		56.0	13, 17EB, 20, 20CA, 20CB, 20CE, 30, 30AB, 47, 47AA, 47AB
<i>Tortella tortuosa</i>		54.0	03, 03AA, 03AB, 06, 06AA, 08, 08AA, 42, 42AA
<i>Bistorta vivipara</i>		53.0	06, 06AA, 30BA, 42, 42AA, 42AB
<i>Soldanella carpatica</i>		51.0	06AA, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Poa alpina</i>		51.0	17EB, 19AC, 30BA, 36AA, 36BA, 42, 42AA
<i>Bartsia alpina</i>	Dg	49.0	06, 06AA, 30BA, 42, 42AA, 42AB
<i>Ranunculus breyninus</i>		48.0	06, 36AA, 42, 42AA
<i>Primula elatior</i>		45.0	17EA, 17EB, 20, 20CE, 46, 46AA
<i>Parnassia palustris</i>		45.0	11AB, 32, 32AB
<i>Carlina acaulis</i>		45.0	06, 08, 10BA, 10BB, 20CC, 20CD
<i>Anthoxanthum odoratum</i> agg.		45.0	10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Alchemilla</i> spec. div.		44.0	17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE,

			20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Lotus corniculatus</i>		43.0	06, 10, 10BA, 10BB, 11CA, 12AB, 17, 17AA, 17AB, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Achillea millefolium</i> agg. ⁵		43.0	02, 02AA, 02AB, 02BA, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Thymus pulcherrimus</i>		41.0	06, 06AB, 08, 08AA
Dominant species (4)			
<i>Carex sempervirens</i>	Dg, C	16.0	06, 06AB, 13, 13AA
<i>Sesleria tatrae</i>	Dg, C	13.0	
<i>Festuca versicolor</i>	Dg, C	12.0	06, 06AA, 42, 42AA, 42AB
<i>Calamagrostis varia</i>		4.0	20, 20CD, 20CE, 46, 46AA

Class 07 *Epilobietea angustifolii***Vegetation of forest clearings**

No. of relevés: 356

Diagnostic species (21)

<i>Chamerion angustifolium</i>	C, Dm	47.0	07AC, 28BA
<i>Atropa bella-donna</i>		37.6	07AA
<i>Rubus idaeus</i>	C, Dm	35.9	39
<i>Gnaphalium sylvaticum</i>		34.0	
<i>Salix caprea</i>	C	33.9	28BA
<i>Calamagrostis epigejos</i>	C, Dm	33.7	07AA, 26BA
<i>Rubus hirtus</i>		32.4	28BA
<i>Cirsium vulgare</i>		31.7	07AA
<i>Senecio nemorensis</i> agg.	C, Dm	31.1	39, 46
<i>Galium odoratum</i>	C	30.1	27, 27BD
<i>Stachys alpina</i>		29.5	07AA
<i>Stachys sylvatica</i>	C	29.2	
<i>Fagus sylvatica</i>	C	28.9	27, 27BD, 27BE, 28BA
<i>Scrophularia nodosa</i>	C	28.3	
<i>Hypericum hirsutum</i>		28.3	07AA
<i>Athyrium filix-femina</i>	C	28.1	39
<i>Epilobium montanum</i>	C	26.5	
<i>Dryopteris filix-mas</i> agg.	C	26.1	39
<i>Salvia glutinosa</i>		25.9	07AA
<i>Galeopsis speciosa</i>		25.7	
<i>Festuca gigantea</i>		25.1	
Constant species (27)			
<i>Rubus idaeus</i>	Dg, Dm	74.0	07AA, 07AC, 25, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 43AE, 44, 46, 46AA
<i>Senecio nemorensis</i> agg.	Dg, Dm	63.0	07AA, 07AC, 20, 25, 27, 27BC, 27BD, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Calamagrostis epigejos</i>	Dg, Dm	52.0	07AA, 26BA, 28BA, 50
<i>Fagus sylvatica</i>	Dg	50.0	07AA, 07AC, 25, 26, 26AA, 27, 27BB, 27BC, 27BD, 27BE, 28BA, 39, 39BD, 39CA

⁵ In this alliance *Achillea *alpestris* strongly prevails.

<i>Picea abies</i>		49.0	07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Chamerion angustifolium</i>	Dg, Dm	48.0	07AC, 28BA
<i>Urtica dioica</i>		47.0	01, 01AA, 01BA, 02, 02AD, 04, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Fragaria vesca</i>		47.0	07AA, 20CD, 25, 25AA, 26, 27, 27AB, 27BB, 28, 28BA, 39BD, 46, 46AA
<i>Athyrium filix-femina</i>	Dg	47.0	01, 01BA, 07AC, 19BC, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Salix caprea</i>	Dg	42.0	07AA, 07AC, 28BA
<i>Dryopteris filix-mas</i> agg.	Dg	42.0	07AC, 27, 27BC, 27BD, 27BE, 28BA, 39, 39BB, 39BD, 46
<i>Hypericum maculatum</i>		40.0	07AC, 17EA, 17EB, 20, 20CC, 20CE, 20DA, 43AE, 46, 46AA, 47, 47AB, 47AC
<i>Agrostis capillaris</i>		40.0	07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Epilobium montanum</i>	Dg	36.0	07AA, 36CC
<i>Galium odoratum</i>	Dg	34.0	07AA, 27, 27BB, 27BC, 27BD, 28BA
<i>Cirsium arvense</i>		33.0	07AA, 33, 33AA, 33AB, 33AC, 33BA, 33BB, 33BC
<i>Acer pseudoplatanus</i>		33.0	27, 27BC, 27BD, 28BA, 39BD
<i>Hypericum perforatum</i>		32.0	07AA, 10, 10AB, 10CA, 25, 25AA, 28AC, 37, 37AB, 37BB, 48, 50
<i>Veronica officinalis</i>		31.0	25, 25AA, 27AD, 27BE, 47, 47AC
<i>Lactuca muralis</i>		30.0	02AC, 07AA, 25, 25AA, 26, 26BA, 27, 27BB, 27BC, 27BD, 27BE, 39, 39BD
<i>Stachys sylvatica</i>	Dg	28.0	07AA, 27AC, 27BA, 28BA
<i>Scrophularia nodosa</i>	Dg	28.0	07AA
<i>Luzula luzuloides</i>		28.0	20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Sorbus aucuparia</i>		27.0	08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Geranium robertianum</i>		27.0	02AC, 03, 27, 27BC, 27BD, 36, 36CB, 36CC, 43AB
<i>Eupatorium cannabinum</i>		26.0	07AA, 19BB
<i>Calamagrostis arundinacea</i>	Dm	26.0	20CC, 39, 39BD, 46, 46AA
Dominant species (6)			
<i>Calamagrostis epigejos</i>	Dg, C	24.0	07AA, 07AC, 26, 26BA
<i>Rubus idaeus</i>	Dg, C	13.0	07AC, 25, 25AA, 28BA, 39BD
<i>Senecio nemorensis</i> agg.	Dg, C	7.0	07AC
<i>Calamagrostis arundinacea</i>	C	7.0	07AC, 17EC, 20, 20CC, 25, 25AA, 27BE, 39BD, 46, 46AA, 47AB
<i>Chamerion angustifolium</i>	Dg, C	6.0	07AC
<i>Rubus fruticosus</i> agg.		3.0	07AA

Alliance 07AA *Atropion***Vegetation of forest clearings on eutrophic soils**

No. of relevés: 136

Diagnostic species (8)

<i>Atropa bella-donna</i>	C	56.2	07
<i>Stachys alpina</i>		39.4	07
<i>Hypericum hirsutum</i>		33.1	07
<i>Cirsium vulgare</i>		31.0	07
<i>Calamagrostis epigejos</i>	C, Dm	28.2	07, 26BA
<i>Salvia glutinosa</i>	C	27.0	07
<i>Eupatorium cannabinum</i>	C, Dm	25.7	
<i>Hordehymus europaeus</i>		24.5	

Constant species (20)

<i>Calamagrostis epigejos</i>	Dg, Dm	72.0	07, 26BA, 28BA, 50
<i>Rubus idaeus</i>		68.0	07, 07AC, 25, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 43AE, 44, 46, 46AA
<i>Cirsium arvense</i>		60.0	07, 33, 33AA, 33AB, 33AC, 33BA, 33BB, 33BC
<i>Urtica dioica</i>		59.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Fragaria vesca</i>		59.0	07, 20CD, 25, 25AA, 26, 27, 27AB, 27BB, 28, 28BA, 39BD, 46, 46AA
<i>Senecio nemorensis</i> agg.		58.0	07, 07AC, 20, 25, 27, 27BC, 27BD, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Hypericum perforatum</i>		57.0	07, 10, 10AB, 10CA, 25, 25AA, 28AC, 37, 37AB, 37BB, 48, 50
<i>Epilobium montanum</i>		57.0	07, 36CC
<i>Eupatorium cannabinum</i>	Dg, Dm	55.0	07, 19BB
<i>Fagus sylvatica</i>		53.0	07, 07AC, 25, 26, 26AA, 27, 27BB, 27BC, 27BD, 27BE, 28BA, 39, 39BD, 39CA
<i>Galium odoratum</i>		50.0	07, 27, 27BB, 27BC, 27BD, 28BA
<i>Lactuca muralis</i>		48.0	02AC, 07, 25, 25AA, 26, 26BA, 27, 27BB, 27BC, 27BD, 27BE, 39, 39BD
<i>Stachys sylvatica</i>		45.0	07, 27AC, 27BA, 28BA
<i>Picea abies</i>		45.0	07, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Scrophularia nodosa</i>		44.0	07
<i>Salvia glutinosa</i>	Dg	42.0	
<i>Salix caprea</i>		42.0	07, 07AC, 28BA
<i>Brachypodium sylvaticum</i>		42.0	27AA, 27AB, 27AC
<i>Agrostis capillaris</i>		42.0	07, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Atropa bella-donna</i>	Dg	41.0	
Dominant species (4)			
<i>Calamagrostis epigejos</i>	Dg, C	23.0	07, 07AC, 26, 26BA
<i>Rubus fruticosus</i> agg.		7.0	07

<i>Eupatorium cannabinum</i>	Dg, C	5.0	
<i>Sambucus ebulus</i>		4.0	43, 43AA

Alliance 07AC *Carici piluliferae-Epilobion angustifolii*

Vegetation of forest clearings on mesotrophic to oligotrophic soils

No. of relevés: 220

Diagnostic species (1)

<i>Chamerion angustifolium</i>	C, Dm	33.6	07, 28BA
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Constant species (9)

<i>Rubus idaeus</i>	Dm	77.0	07, 07AA, 25, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 43AE, 44, 46, 46AA
<i>Senecio nemorensis</i> agg.	Dm	66.0	07, 07AA, 20, 25, 27, 27BC, 27BD, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Chamerion angustifolium</i>	Dg, Dm	63.0	07, 28BA
<i>Picea abies</i>		51.0	07, 07AA, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Athyrium filix-femina</i>		51.0	01, 01BA, 07, 19BC, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Fagus sylvatica</i>		49.0	07, 07AA, 25, 26, 26AA, 27, 27BB, 27BC, 27BD, 27BE, 28BA, 39, 39BD, 39CA
<i>Hypericum maculatum</i>		48.0	07, 17EA, 17EB, 20, 20CC, 20CE, 20DA, 43AE, 46, 46AA, 47, 47AB, 47AC
<i>Dryopteris filix-mas</i> agg.		43.0	07, 27, 27BC, 27BD, 27BE, 28BA, 39, 39BB, 39BD, 46
<i>Salix caprea</i>		41.0	07, 07AA, 28BA
Dominant species (5)			
<i>Calamagrostis epigejos</i>		24.0	07, 07AA, 26, 26BA
<i>Rubus idaeus</i>	C	20.0	07, 25, 25AA, 28BA, 39BD
<i>Senecio nemorensis</i> agg.	C	12.0	07
<i>Calamagrostis arundinacea</i>		11.0	07, 17EC, 20, 20CC, 25, 25AA, 27BE, 39BD, 46, 46AA, 47AB
<i>Chamerion angustifolium</i>	Dg, C	10.0	07

Class 08 *Erico-Pinetea*

Natural relict pine forests on carbonates

No. of relevés: 266

Diagnostic species (77)

<i>Pulsatilla slavica</i>	C	74.1	06AB, 08AA
<i>Cotoneaster tomentosus</i>	C	70.1	08AA
<i>Hieracium bupleuroides</i>	C	69.8	08AA
<i>Hieracium bifidum</i>	C	68.1	02AC, 08AA
<i>Thesium alpinum</i>	C	58.7	06, 06AB, 08AA, 20CD
<i>Sorbus aria</i> agg.	C	56.1	08AA, 27AA
<i>Asplenium ruta-muraria</i>	C	55.1	03BA, 08AA
<i>Sesleria caerulea</i>	C, Dm	54.8	06, 06AB, 08AA, 10AF
<i>Calamagrostis varia</i>	C	54.6	08AA, 20CD
<i>Kernera saxatilis</i>	C	53.8	03AA, 08AA
<i>Polygala amara</i>	C	53.7	08AA
<i>Rhytidium rugosum</i>	C	53.4	08AA, 42AA
<i>Thymus pulcherrimus</i>	C	53.1	06, 08AA
<i>Primula auricula</i>	C	52.5	03, 03AA, 06, 06AB, 08AA
<i>Larix decidua</i>	C	51.6	08AA

<i>Epipactis atrorubens</i>	C	50.6	08AA
<i>Carduus glaucinus</i>	C	50.6	08AA, 20CD
<i>Laserpitium latifolium</i>	C	49.7	08AA, 20CD, 46
<i>Festuca tatrae</i>	C	49.6	06, 06AB, 08AA
<i>Jovibarba globifera</i>	C	49.1	08AA
<i>Leontodon incanus</i>	C	48.5	08AA, 10AF
<i>Homalothecium philippeanum</i>	C	47.9	08AA
<i>Pinus sylvestris</i>	C, Dm	46.4	08AA, 18, 26BA, 39CA
<i>Amelanchier ovalis</i>		45.1	08AA
<i>Coronilla vaginalis</i>	C	44.9	08AA
<i>Phyteuma orbiculare</i>	C	44.0	06, 06AC, 08AA
<i>Carex digitata</i>	C	43.6	08AA
<i>Allium ochroleucum</i>	C	43.2	08AA
<i>Cyanus triumfettii</i>	C	42.8	08AA
<i>Erysimum witmannii</i>	C	42.4	02AC, 08AA
<i>Fissidens dubius</i>	C	42.0	08AA
<i>Carex humilis</i>	C, Dm	41.8	10, 10AC, 10AF
<i>Asperula tinctoria</i>	C	41.2	08AA, 27AA
<i>Seseli osseum</i>	C	40.4	10AC
<i>Anthericum ramosum</i>	C	40.3	10AF
<i>Tortella tortuosa</i>	C	39.8	03, 06, 06AA, 08AA
<i>Ditrichum flexicaule</i>	C	38.8	03, 03AA, 06AA, 08AA, 42AA
<i>Polygonatum odoratum</i>	C	38.0	
<i>Hippocrepis comosa</i>	C	37.9	10AF
<i>Knautia slovacica</i>		37.7	08AA
<i>Knautia kitaibelii</i>	C	37.7	10BA
<i>Scabiosa lucida</i>	C	37.2	06, 06AC
<i>Rubus saxatilis</i>	C	37.0	08AA, 20CD, 46
<i>Schistidium apocarpum</i> agg.	C	36.8	08AA
<i>Minuartia langii</i>	C	36.6	03AA, 06, 06AB, 08AA
<i>Campanula cochleariifolia</i>	C	36.6	03, 03AA
<i>Arctostaphylos uva-ursi</i>		36.5	08AA
<i>Juniperus communis</i> agg.	C	36.3	
<i>Galium pumilum</i> agg.	C	36.2	06, 42AA
<i>Trisetum alpestre</i>	C	35.2	03, 03AA, 06
<i>Ctenidium molluscum</i>	C	35.2	03, 03AB
<i>Solorina saccata</i>		35.1	08AA
<i>Cotoneaster integerrimus</i>	C	34.9	08AA, 46
<i>Convallaria majalis</i>	C	34.1	46
<i>Crepis alpestris</i>		33.8	08AA
<i>Campanula carpatica</i>		33.8	36CB
<i>Orthotrichum anomalum</i>		33.4	08AA
<i>Encalypta vulgaris</i>		33.0	08AA
<i>Crepis jacquinii</i>	C	32.6	03, 03AA, 06AA
<i>Neckera crispa</i>		32.0	03, 03AB
<i>Hypnum cupressiforme</i> agg.	C	31.4	03CD
<i>Sorbus aucuparia</i>	C	30.5	39, 46
<i>Gymnadenia odoratissima</i>		30.4	
<i>Festuca pallens</i>	C	29.9	10AC
<i>Homalothecium sericeum</i>		29.5	
<i>Clematis alpina</i>		29.4	39BD
<i>Goodyera repens</i>		28.9	08AA
<i>Teucrium montanum</i>	C	28.4	10, 10AC, 10AF
<i>Buphthalmum salicifolium</i>		28.4	
<i>Bellidiastrum michelii</i>	C	28.1	06, 06AC

<i>Platanthera bifolia</i>		27.0	
<i>Campanula rapunculoides</i>	C	26.8	02AC, 25
<i>Gentianella fatrae</i>		25.8	
<i>Euphrasia salisburgensis</i>	C	25.8	03AA, 06
<i>Rhytidiadelphus triquetrus</i>	C	25.1	
<i>Euphorbia cyparissias</i>	C	25.0	10
<i>Vincetoxicum hirsundinaria</i>	C	24.6	27AA, 37
Constant species (73)			
<i>Pinus sylvestris</i>	Dg, Dm	93.0	08AA, 18, 18AA, 25, 25AA, 26, 26BA, 39CA, 48AC
<i>Sesleria caerulea</i>	Dg, Dm	91.0	03, 03AA, 03AB, 06, 06AB, 08AA, 10AF, 20CD
<i>Pulsatilla slavica</i>	Dg	81.0	08AA
<i>Hieracium bifidum</i>	Dg	77.0	02AC, 08AA
<i>Sorbus aria</i> agg.	Dg	76.0	08AA, 27AA
<i>Calamagrostis varia</i>	Dg	74.0	08AA, 20CD
<i>Phyteuma orbiculare</i>	Dg	73.0	03, 06, 06AA, 06AB, 06AC, 08AA, 20CD, 20CE, 42, 42AA, 46
<i>Jovibarba globifera</i>	Dg	73.0	06, 06AB, 08AA, 10AC, 34, 34CA
<i>Tortella tortuosa</i>	Dg	72.0	03, 03AA, 03AB, 06, 06AA, 06AC, 08AA, 42, 42AA
<i>Thymus pulcherrimus</i>	Dg	69.0	06, 06AB, 06AC, 08AA
<i>Sorbus aucuparia</i>	Dg	68.0	07, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Thesium alpinum</i>	Dg	67.0	06, 06AB, 08AA, 20CD
<i>Laserpitium latifolium</i>	Dg	67.0	08AA, 20CD, 46, 46AA
<i>Hieracium bupleuroides</i>	Dg	67.0	08AA
<i>Picea abies</i>		65.0	07, 07AA, 07AC, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Euphorbia cyparissias</i>	Dg	64.0	08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Galium pumilum</i> agg.	Dg	64.0	03AA, 06, 06AA, 06AB, 06AC, 08AA, 17EB, 20CE, 36AA, 42, 42AA, 46
<i>Primula auricula</i>	Dg	63.0	03, 03AA, 06, 06AA, 06AB, 08AA
<i>Cotoneaster tomentosus</i>	Dg	63.0	08AA
<i>Polygala amara</i>	Dg	62.0	06, 08AA
<i>Asplenium ruta-muraria</i>	Dg	62.0	03BA, 08AA
<i>Rhytidium rugosum</i>	Dg	61.0	08AA, 42, 42AA
<i>Festuca tatrae</i>	Dg	57.0	06, 06AB, 08AA
<i>Carex digitata</i>	Dg	56.0	08AA
<i>Carduus glaucinus</i>	Dg	56.0	06, 08AA, 20CD
<i>Larix decidua</i>	Dg	55.0	08AA
<i>Seseli osseum</i>	Dg	54.0	08AA, 10, 10AB, 10AC, 10AF, 34, 34BA
<i>Anthericum ramosum</i>	Dg	54.0	08AA, 10, 10AC, 10AF
<i>Scabiosa lucida</i>	Dg	52.0	06, 06AB, 06AC, 08AA, 20CD
<i>Kernera saxatilis</i>	Dg	52.0	08AA
<i>Polygonatum odoratum</i>	Dg	50.0	08AA, 27AC
<i>Carex humilis</i>	Dg, Dm	50.0	08AA, 10, 10AC, 10AF, 27AA
<i>Leontodon incanus</i>	Dg	47.0	08AA, 10AF
<i>Ditrichium flexicaule</i>	Dg	47.0	03, 03AA, 06, 06AA, 08AA, 42AA
<i>Hypnum cupressiforme</i> agg.	Dg	46.0	03CD, 08AA, 26

<i>Juniperus communis</i> agg.	Dg	43.0	08AA
<i>Convallaria majalis</i>	Dg	43.0	08AA, 46
<i>Rubus saxatilis</i>	Dg	42.0	08AA, 20CD, 46
<i>Homalothecium philippeanum</i>	Dg	42.0	08AA
<i>Campanula cochleariifolia</i>	Dg	42.0	03, 03AA, 06, 06AA, 08AA
<i>Vaccinium vitis-idaea</i>	Dm	41.0	08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Leucanthemum vulgare</i> agg.		40.0	06, 10BA, 10BB, 17, 17AA, 17AB, 17BD, 17EA, 20CD, 46
<i>Epipactis atrorubens</i>	Dg	40.0	
<i>Ctenidium molluscum</i>	Dg	40.0	03, 03AB
<i>Vincetoxicum hircundinaria</i>	Dg	39.0	10AC, 10AF, 27AA, 27AB, 27AC, 28AC, 36CA, 37, 37AA, 37BB
<i>Trisetum alpestre</i>	Dg	39.0	03, 03AA, 06
<i>Campanula rapunculoides</i>	Dg	39.0	02AC, 25, 25AA
<i>Fissidens dubius</i>	Dg	38.0	
<i>Dicranum scoparium</i>		38.0	03CD, 18, 26, 26BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA
<i>Saxifraga paniculata</i>		37.0	03AA, 06, 06AA, 42, 42AA, 42AB, 46
<i>Valeriana tripteris</i>		36.0	03, 03AB, 39BB, 39BD, 46, 46AA
<i>Knautia kitaibelii</i>	Dg	36.0	10BA
<i>Festuca pallens</i>	Dg	36.0	10, 10AC, 10AF
<i>Cyanus triumfettii</i>	Dg	36.0	
<i>Crepis jacquinii</i>	Dg	36.0	03, 03AA, 06, 06AA
<i>Bellidiastrum michelii</i>	Dg	36.0	03, 03AB, 06, 06AA, 06AC, 30BA
<i>Schistidium apocarpum</i> agg.	Dg	35.0	
<i>Allium ochroleucum</i>	Dg	34.0	
<i>Rhytidadelphus triquetrus</i>	Dg	33.0	42AA
<i>Minuartia langii</i>	Dg	33.0	03AA, 06, 06AB
<i>Helianthemum grandiflorum</i>		33.0	06, 06AB, 06AC, 10, 10AF, 46
<i>Asperula tinctoria</i>	Dg	33.0	
<i>Erysimum witmannii</i>	Dg	32.0	02AC
<i>Hippocrepis comosa</i>	Dg	30.0	
<i>Hylocomium splendens</i>		29.0	26BA, 39, 42, 42AA, 44, 44AA, 48AD
<i>Coronilla vaginalis</i>	Dg	29.0	
<i>Carlina acaulis</i>		29.0	06, 06AC, 10BA, 10BB, 20CC, 20CD
<i>Teucrium montanum</i>	Dg	28.0	10, 10AC, 10AF
<i>Euphrasia salisburgensis</i>	Dg	28.0	03AA, 06
<i>Vaccinium myrtillus</i>		27.0	13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Genista pilosa</i>		27.0	10AF, 25, 27AD, 37BB, 48, 48AA
<i>Cotoneaster integerrimus</i>	Dg	27.0	
<i>Abies alba</i>		27.0	27BD, 39, 39BD, 39CA
Dominant species (3)			
<i>Pinus sylvestris</i>	Dg, C	24.0	08AA, 25, 25AA, 26, 26BA
<i>Sesleria caerulea</i>	Dg, C	8.0	03, 03AB, 06AB, 08AA, 10, 10AC, 10AF, 27AA, 39BB
<i>Carex humilis</i>	Dg, C	5.0	08AA, 10AC, 10AF

Alliance 08AA Pulsatillo slavicae-Pinion**Natural relict pine and larch forests on carbonates in the Carpathians**

No. of relevés: 266

Diagnostic species (45)

<i>Hieracium bupleuroides</i>	C	57.4	08
<i>Pulsatilla slavica</i>	C	56.3	06AB, 08
<i>Cotoneaster tomentosus</i>	C	54.0	08
<i>Hieracium bifidum</i>	C	46.4	02AC, 08
<i>Thesium alpinum</i>	C	38.3	06, 06AB, 08, 20CD
<i>Larix decidua</i>	C	38.1	08
<i>Rhytidium rugosum</i>	C	37.9	08, 42AA
<i>Kernera saxatilis</i>	C	37.6	03AA, 08
<i>Primula auricula</i>	C	36.2	03, 03AA, 06, 06AB, 08
<i>Asplenium ruta-muraria</i>	C	36.2	03BA, 08
<i>Amelanchier ovalis</i>		36.0	08
<i>Homalothecium philippeanum</i>	C	35.6	08
<i>Coronilla vaginalis</i>		35.4	08
<i>Festuca tatrae</i>	C	35.2	06, 06AB, 08
<i>Sorbus aria</i> agg.	C	35.1	08, 27AA
<i>Polygala amara</i>	C	33.5	08
<i>Epipactis atrorubens</i>		33.1	08
<i>Laserpitium latifolium</i>	C	32.8	08, 20CD, 46
<i>Arctostaphylos uva-ursi</i>		32.8	08
<i>Thymus pulcherrimus</i>	C	32.4	06, 08
<i>Calamagrostis varia</i>	C	32.1	08, 20CD
<i>Sesleria caerulea</i>	C, Dm	31.8	06, 06AB, 08, 10AF
<i>Fissidens dubius</i>		31.5	08
<i>Allium ochroleucum</i>		31.4	08
<i>Pinus sylvestris</i>	C, Dm	31.1	08, 18, 26BA, 39CA
<i>Orthotrichum anomalum</i>		30.9	08
<i>Carduus glaucinus</i>	C	30.4	08, 20CD
<i>Jovibarba globifera</i>	C	30.0	08
<i>Leontodon incanus</i>	C	29.9	08, 10AF
<i>Cotoneaster integerrimus</i>		29.2	08, 46
<i>Carex digitata</i>	C	28.9	08
<i>Cyanus triumfettii</i>		27.3	08
<i>Knautia slovacica</i>		26.6	08
<i>Crepis alpestris</i>		26.5	08
<i>Solorina saccata</i>		26.3	08
<i>Phyteuma orbiculare</i>	C	25.7	06, 06AC, 08
<i>Erysimum witmannii</i>		25.7	02AC, 08
<i>Rubus saxatilis</i>	C	25.5	08, 20CD, 46
<i>Asperula tinctoria</i>		25.4	08, 27AA
<i>Ditrichium flexicaule</i>	C	25.2	03, 03AA, 06AA, 08, 42AA
<i>Minuartia langii</i>		25.1	03AA, 06, 06AB, 08
<i>Encalypta vulgaris</i>		25.1	08
<i>Schistidium apocarpum</i> agg.		24.9	08
<i>Tortella tortuosa</i>	C	24.6	03, 06, 06AA, 08
<i>Goodyera repens</i>		24.4	08
Constant species (41)			
<i>Pinus sylvestris</i>	Dg, Dm	93.0	08, 18, 18AA, 25, 25AA, 26, 26BA, 39CA, 48AC
<i>Sesleria caerulea</i>	Dg, Dm	91.0	03, 03AA, 03AB, 06, 06AB, 08, 10AF, 20CD
<i>Pulsatilla slavica</i>	Dg	81.0	08

<i>Hieracium bifidum</i>	Dg	77.0	02AC, 08
<i>Sorbus aria</i> agg.	Dg	76.0	08, 27AA
<i>Calamagrostis varia</i>	Dg	74.0	08, 20CD
<i>Phyteuma orbiculare</i>	Dg	73.0	03, 06, 06AA, 06AB, 06AC, 08, 20CD, 20CE, 42, 42AA, 46
<i>Jovibarba globifera</i>	Dg	73.0	06, 06AB, 08, 10AC, 34, 34CA
<i>Tortella tortuosa</i>	Dg	72.0	03, 03AA, 03AB, 06, 06AA, 06AC, 08, 42, 42AA
<i>Thymus pulcherrimus</i>	Dg	69.0	06, 06AB, 06AC, 08
<i>Sorbus aucuparia</i>		68.0	07, 08, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Thesium alpinum</i>	Dg	67.0	06, 06AB, 08, 20CD
<i>Laserpitium latifolium</i>	Dg	67.0	08, 20CD, 46, 46AA
<i>Hieracium bupleuroides</i>	Dg	67.0	08
<i>Picea abies</i>		65.0	07, 07AA, 07AC, 08, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Euphorbia cyparissias</i>		64.0	08, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Galium pumilum</i> agg.		64.0	03AA, 06, 06AA, 06AB, 06AC, 08, 17EB, 20CE, 36AA, 42, 42AA, 46
<i>Primula auricula</i>	Dg	63.0	03, 03AA, 06, 06AA, 06AB, 08
<i>Cotoneaster tomentosus</i>	Dg	63.0	08
<i>Polygala amara</i>	Dg	62.0	06, 08
<i>Asplenium ruta-muraria</i>	Dg	62.0	03BA, 08
<i>Rhytidium rugosum</i>	Dg	61.0	08, 42, 42AA
<i>Festuca tatrae</i>	Dg	57.0	06, 06AB, 08
<i>Carex digitata</i>	Dg	56.0	08
<i>Carduus glaucinus</i>	Dg	56.0	06, 08, 20CD
<i>Larix decidua</i>	Dg	55.0	08
<i>Seseli osseum</i>		54.0	08, 10, 10AB, 10AC, 10AF, 34, 34BA
<i>Anthericum ramosum</i>		54.0	08, 10, 10AC, 10AF
<i>Scabiosa lucida</i>		52.0	06, 06AB, 06AC, 08, 20CD
<i>Kerneria saxatilis</i>	Dg	52.0	08
<i>Polygonatum odoratum</i>		50.0	08, 27AC
<i>Carex humilis</i>	Dm	50.0	08, 10, 10AC, 10AF, 27AA
<i>Leontodon incanus</i>	Dg	47.0	08, 10AF
<i>Ditrichium flexicaule</i>	Dg	47.0	03, 03AA, 06, 06AA, 08, 42AA
<i>Hypnum cupressiforme</i> agg.		46.0	03CD, 08, 26
<i>Juniperus communis</i> agg.		43.0	08
<i>Convallaria majalis</i>		43.0	08, 46
<i>Rubus saxatilis</i>	Dg	42.0	08, 20CD, 46
<i>Homalothecium philippeanum</i>	Dg	42.0	08
<i>Campanula cochlearifolia</i>		42.0	03, 03AA, 06, 06AA, 08
<i>Vaccinium vitis-idaea</i>	Dm	41.0	08, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
Dominant species (3)			
<i>Pinus sylvestris</i>	Dg, C	24.0	08, 25, 25AA, 26, 26BA
<i>Sesleria caerulea</i>	Dg, C	8.0	03, 03AB, 06AB, 08, 10, 10AC, 10AF, 27AA, 39BB
<i>Carex humilis</i>	C	5.0	08, 10AC, 10AF

Class 09 Festucetea vaginatae
Sub-continental open sand grasslands

No. of relevés: 30

Diagnostic species (25)

<i>Festuca vaginata</i>	C, Dm	65.6	09AA, 26BA
<i>Potentilla tabernaemontani</i>	C	58.0	09AA
<i>Thymus serpyllum</i>	C	54.8	09AA, 14, 14AA, 48AC
<i>Dianthus serotinus</i>	C	52.2	09AA
<i>Cynodon dactylon</i>	C, Dm	51.2	09AA, 14, 33EC
<i>Euphorbia seguieriana</i>	C	47.1	09AA
<i>Petrorhagia saxifraga</i>	C	40.4	09AA, 48AC
<i>Corynephorus canescens</i>	C	39.8	09AA, 14, 14AA, 48AC
<i>Helichrysum arenarium</i>	C	39.2	09AA, 14, 14AA
<i>Carex stenophylla</i>	C	38.7	12AB, 48AC
<i>Silene otites</i> agg.	C	37.4	09AA
<i>Conyza canadensis</i>	C	35.9	14, 33EB
<i>Filago vulgaris</i>		35.1	09AA
<i>Jasione montana</i>	C	34.6	48
<i>Eryngium campestre</i>	C	34.5	14
<i>Koeleria glauca</i>		32.3	09AA
<i>Sedum sexangulare</i>	C	31.4	34
<i>Trifolium arvense</i>	C	29.1	
<i>Crepis tectorum</i>		28.5	
<i>Carex hirta</i>	C, Dm	28.1	48AC
<i>Scirpoides holoschoenus</i>	Dm	26.8	
<i>Setaria viridis</i>		25.4	
<i>Plantago arenaria</i>		24.8	14, 33EB
<i>Armeria vulgaris</i> *vulgaris		24.6	
<i>Equisetum ramosissimum</i>		24.1	14

Constant species (19)

<i>Festuca vaginata</i>	Dg, Dm	77.0	09AA, 26BA
<i>Thymus serpyllum</i>	Dg	73.0	09AA, 14, 14AA, 48AC
<i>Cynodon dactylon</i>	Dg, Dm	57.0	09AA, 14, 33EC
<i>Conyza canadensis</i>	Dg	53.0	09AA, 14, 33EA, 33EB, 33EC
<i>Potentilla tabernaemontani</i>	Dg	50.0	09AA
<i>Corynephorus canescens</i>	Dg	50.0	09AA, 14, 14AA, 48AC
<i>Eryngium campestre</i>	Dg	47.0	09AA, 10AA, 10AB, 14
<i>Dianthus serotinus</i>	Dg	40.0	
<i>Carex hirta</i>	Dg, Dm	40.0	11AA, 14, 17CD, 48AC
<i>Euphorbia seguieriana</i>	Dg	37.0	
<i>Sedum sexangulare</i>	Dg	37.0	34
<i>Euphorbia cyparissias</i>		33.0	08, 08AA, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Jasione montana</i>	Dg	33.0	
<i>Rumex acetosella</i>		33.0	03CB, 10CA, 14, 33AB, 34AA, 36DA, 48, 48AA, 50, 50AB
<i>Trifolium arvense</i>	Dg	30.0	10AB, 33AB
<i>Silene otites</i> agg.	Dg	30.0	
<i>Helichrysum arenarium</i>	Dg	30.0	
<i>Carex stenophylla</i>	Dg	30.0	12AB, 48AC
<i>Petrorhagia saxifraga</i>	Dg	27.0	

Dominant species (5)

<i>Festuca vaginata</i>	Dg, C	7.0	09AA
<i>Scirpoides holoschoenus</i>	Dg	3.0	09AA

<i>Cynodon dactylon</i>	Dg, C	3.0	09AA, 33, 33EC
<i>Carex hirta</i>	Dg, C	3.0	09AA
<i>Bothriochloa ischaemum</i>		3.0	02BA, 09AA

Alliance 09AA *Festucion vaginatae***Sub-continental open sand grasslands**

No. of relevés: 30

Diagnostic species (12)

<i>Festuca vaginata</i>	C, Dm	54.6	09, 26BA
<i>Potentilla tabernaemontani</i>	C	50.7	09
<i>Dianthus serotinus</i>		50.6	09
<i>Thymus serpyllum</i>	C	44.1	09, 14, 14AA, 48AC
<i>Euphorbia seguieriana</i>		40.0	09
<i>Helichrysum arenarium</i>		37.5	09, 14, 14AA
<i>Corynephorus canescens</i>	C	32.6	09, 14, 14AA, 48AC
<i>Cynodon dactylon</i>	C, Dm	31.5	09, 14, 33EC
<i>Petrorhagia saxifraga</i>		28.7	09, 48AC
<i>Filago vulgaris</i>		27.2	09
<i>Koeleria glauca</i>		24.5	09
<i>Silene otites</i> agg.		24.2	09

Constant species (7)

<i>Festuca vaginata</i>	Dg, Dm	77.0	09, 26BA
<i>Thymus serpyllum</i>	Dg	73.0	09, 14, 14AA, 48AC
<i>Cynodon dactylon</i>	Dg, Dm	57.0	09, 14, 33EC
<i>Conyza canadensis</i>		53.0	09, 14, 33EA, 33EB, 33EC
<i>Potentilla tabernaemontani</i>	Dg	50.0	09
<i>Corynephorus canescens</i>	Dg	50.0	09, 14, 14AA, 48AC
<i>Eryngium campestre</i>		47.0	09, 10AA, 10AB, 14

Dominant species (5)

<i>Festuca vaginata</i>	Dg, C	7.0	09
<i>Scirpoides holoschoenus</i>		3.0	09
<i>Cynodon dactylon</i>	Dg, C	3.0	09, 33, 33EC
<i>Carex hirta</i>		3.0	09
<i>Bothriochloa ischaemum</i>		3.0	02BA, 09

Class 10 *Festuco-Brometea***Dry grasslands**

No. of relevés: 2375

Diagnostic species (34)

<i>Sanguisorba minor</i>	C	44.5	10AA, 10BA
<i>Koeleria macrantha</i>	C	39.5	10AA, 10AB
<i>Asperula cynanchica</i>	C	38.4	10AA, 10AC
<i>Salvia pratensis</i>	C	37.9	10BA, 10BB, 37
<i>Teucrium chamaedrys</i>	C	36.6	27AA, 37, 37AA
<i>Potentilla acaulis</i>	C	34.9	10AA, 10AB, 10AC
<i>Bromus erectus</i>		33.4	10BA, 10BB
<i>Thymus pannonicus</i>		33.0	10AB
<i>Thymus praecox</i>		32.7	10AA, 10AC
<i>Medicago falcata</i>	C	31.6	10BA, 10BB
<i>Scabiosa ochroleuca</i>	C	31.5	
<i>Teucrium montanum</i>	C	30.8	08, 10AC, 10AF
<i>Carex humilis</i>	C	30.8	08, 10AC, 10AF
<i>Potentilla heptaphylla</i>	C	30.0	10AF
<i>Festuca rupicola</i>	C	29.8	10BA, 10CA
<i>Festuca valesiaca</i> agg.	C, Dm	29.7	10AB, 34BA

<i>Globularia bisnagarica</i>		28.7	10AF
<i>Anthyllis vulneraria</i>	C	28.1	06
<i>Plantago media</i>	C	27.5	10BA, 10BB
<i>Cirsium pannonicum</i>		27.4	10BB
<i>Linum tenuifolium</i>		26.8	
<i>Carex caryophyllea</i>		26.8	10BA, 10BB
<i>Campanula sibirica</i>		26.7	10AC
<i>Colymbada scabiosa</i> agg.		25.9	10BA
<i>Alyssum montanum</i>		25.8	10AC
<i>Stipa capillata</i>		25.7	10AA
<i>Euphorbia cyparissias</i>	C	25.3	08
<i>Bothriochloa ischaemum</i>		25.0	10AB
<i>Poa badensis</i>		24.6	10AC
<i>Helianthemum canum</i>		24.4	10AC
<i>Pimpinella saxifraga</i>	C	24.3	
<i>Trifolium montanum</i>		24.2	10BA, 10BB
<i>Stachys recta</i>		24.2	10AB, 37
<i>Inula ensifolia</i>		24.0	10AF
Constant species (29)			
<i>Euphorbia cyparissias</i>	Dg	64.0	08, 08AA, 09, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Teucrium chamaedrys</i>	Dg	55.0	10AA, 10AB, 10AC, 10AF, 10BA, 27AA, 28AC, 37, 37AA
<i>Sanguisorba minor</i>	Dg	50.0	10AA, 10AC, 10AF, 10BA, 10BB
<i>Asperula cynanchica</i>	Dg	46.0	10AA, 10AB, 10AC, 10AF
<i>Achillea millefolium</i> agg.		43.0	02, 02AA, 02AB, 02BA, 06AC, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Salvia pratensis</i>	Dg	41.0	10BA, 10BB, 37, 37AA
<i>Pimpinella saxifraga</i>	Dg	40.0	10BA, 10BB, 17, 17AA, 17AB, 27AA, 37AB, 50
<i>Potentilla acaulis</i>	Dg	39.0	10AA, 10AB, 10AC
<i>Carex humilis</i>	Dg	38.0	08, 08AA, 10AC, 10AF, 27AA
<i>Anthyllis vulneraria</i>	Dg	35.0	06, 06AB, 10AC, 10AF, 10BA
<i>Seseli osseum</i>		34.0	08, 08AA, 10AB, 10AC, 10AF, 34, 34BA
<i>Lotus corniculatus</i>		34.0	06, 06AC, 10BA, 10BB, 11CA, 12AB, 17, 17AA, 17AB, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Helianthemum grandiflorum</i> ⁶		34.0	06, 06AB, 06AC, 08, 10AF, 46
<i>Festuca rupicola</i>	Dg	33.0	10BA, 10BB, 10CA
<i>Plantago media</i>	Dg	32.0	10BA, 10BB, 17, 17AA, 17AB
<i>Plantago lanceolata</i>		32.0	02, 02AA, 02AB, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Anthericum ramosum</i>		32.0	08, 08AA, 10AC, 10AF
<i>Teucrium montanum</i>	Dg	30.0	08, 10AC, 10AF
<i>Scabiosa ochroleuca</i>	Dg	29.0	

⁶ In this class *Helianthemum *obscurum* (Pers. ex Wahlenb.) Holub strongly prevails.

<i>Hypericum perforatum</i>		29.0	07, 07AA, 10AB, 10CA, 25, 25AA, 28AC, 37, 37AB, 37BB, 48, 50
<i>Festuca valesiaca</i> agg.	Dg, Dm	29.0	10AA, 10AB, 34BA
<i>Medicago falcata</i>	Dg	28.0	10BA, 10BB
<i>Koeleria macrantha</i>	Dg	28.0	10AA, 10AB
<i>Festuca pallens</i>		28.0	08, 10AC, 10AF
<i>Brachypodium pinnatum</i>	Dm	28.0	10BA, 10BB, 27AA, 37, 37AA, 37AB
<i>Viola hirta</i>		26.0	10BA, 10BB, 27AA, 27AC, 37, 37AB
<i>Potentilla heptaphylla</i>	Dg	26.0	10AF, 10BB
<i>Galium verum</i> agg.		26.0	10BA, 10BB, 10CA, 17BC, 37, 37AB, 50, 50AB
<i>Dianthus carthusianorum</i>		26.0	10BA
Dominant species (3)			
<i>Festuca valesiaca</i> agg.	Dg, C	4.0	10AA, 10AB, 10CA
<i>Sesleria caerulea</i>		3.0	03, 03AB, 06AB, 08, 08AA, 10AC, 10AF, 27AA, 39BB
<i>Brachypodium pinnatum</i>	C	3.0	10BB, 20CD, 27AA, 37, 37AA

Alliance 10AA *Festucion valesiacae***Species rich subxerothermophilous narrow-leaved grasslands on deeper skeleton soils**

No. of relevés: 724

Diagnostic species (6)

<i>Koeleria macrantha</i>	C	30.9	10, 10AB
<i>Thymus praecox</i>		27.3	10, 10AC
<i>Sanguisorba minor</i>	C	26.1	10, 10BA
<i>Potentilla acaulis</i>	C	25.4	10, 10AB, 10AC
<i>Stipa capillata</i>		25.0	10
<i>Asperula cynanchica</i>	C	24.0	10, 10AC

Constant species (8)

<i>Euphorbia cyparissias</i>		67.0	08, 08AA, 09, 10, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Teucrium chamaedrys</i>		61.0	10, 10AB, 10AC, 10AF, 10BA, 27AA, 28AC, 37, 37AA
<i>Sanguisorba minor</i>	Dg	59.0	10, 10AC, 10AF, 10BA, 10BB
<i>Potentilla acaulis</i>	Dg	55.0	10, 10AB, 10AC
<i>Asperula cynanchica</i>	Dg	55.0	10, 10AB, 10AC, 10AF
<i>Koeleria macrantha</i>	Dg	50.0	10, 10AB
<i>Festuca valesiaca</i> agg.	Dm	48.0	10, 10AB, 34BA
<i>Eryngium campestre</i>		42.0	09, 09AA, 10AB, 14

Dominant species (2)

<i>Festuca valesiaca</i> agg. ⁷	C	7.0	10, 10AB, 10CA
<i>Festuca pseudovina</i>		3.0	11, 11CA

Alliance 10AB *Asplenio septentrionalis-Festucion pallentis***Open subxerophilous grasslands on shallow skeleton-rich soils at neovulcanite bedrock**

No. of relevés: 162

Diagnostic species (19)

<i>Festuca valesiaca</i> agg. ⁸	C, Dm	44.1	10, 34BA
<i>Thymus pannonicus</i>	C	38.1	10
<i>Riccia ciliata</i>		35.0	

⁷ In this alliance *Festuca valesiaca* s. str. strongly prevails.⁸ In this alliance *Festuca pseudodalmatica* Krajina ex Domin strongly prevails.

<i>Potentilla acaulis</i>	C	34.8	10, 10AA, 10AC
<i>Koeleria macrantha</i>	C	33.1	10, 10AA
<i>Cerastium brachypetalum</i> agg.		32.0	
<i>Acinos arvensis</i>	C	31.3	34, 34BA
<i>Cruciata pedemontana</i>		30.8	
<i>Inula oculus-christi</i>		30.7	
<i>Arenaria serpyllifolia</i> agg.	C	30.7	34
<i>Sedum acre</i>		30.1	34, 34CA
<i>Carduus collinus</i>		30.1	28AC
<i>Achillea nobilis</i>		29.5	
<i>Cota tinctoria</i>		29.4	
<i>Stachys recta</i>	C		27.9 10, 37
<i>Cleistogenes serotina</i>		27.8	
<i>Bothriochloa ischaemum</i>		27.4	10
<i>Galium glaucum</i>	C	25.6	37
<i>Orlaya grandiflora</i>		24.1	
Constant species (16)			
<i>Festuca valesiaca</i> agg.	Dg, Dm	96.0	10, 10AA, 34BA
<i>Potentilla acaulis</i>	Dg	74.0	10, 10AA, 10AC
<i>Euphorbia cyparissias</i>		70.0	08, 08AA, 09, 10, 10AA, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Arenaria serpyllifolia</i> agg.	Dg	62.0	34
<i>Teucrium chamaedrys</i>		57.0	10, 10AA, 10AC, 10AF, 10BA, 27AA, 28AC, 37, 37AA
<i>Acinos arvensis</i>	Dg	55.0	34, 34BA
<i>Thymus pannonicus</i>	Dg	54.0	
<i>Koeleria macrantha</i>	Dg	54.0	10, 10AA
<i>Hypericum perforatum</i>		54.0	07, 07AA, 10, 10CA, 25, 25AA, 28AC, 37, 37AB, 37BB, 48, 50
<i>Seseli osseum</i>		52.0	08, 08AA, 10, 10AC, 10AF, 34, 34BA
<i>Trifolium arvense</i>		50.0	09, 33AB
<i>Stachys recta</i>	Dg	48.0	
<i>Galium glaucum</i>	Dg	45.0	
<i>Potentilla argentea</i> agg.		43.0	02AA, 10CA, 34AA
<i>Asperula cynanchica</i>		43.0	10, 10AA, 10AC, 10AF
<i>Eryngium campestre</i>		41.0	09, 09AA, 10AA, 14
Dominant species (1)			
<i>Festuca valesiaca</i> agg.	Dg, C	21.0	10, 10AA, 10CA

Alliance 10AC *Bromo pannonici-Festucion pallentis*

Open subxerophilous grasslands on shallow rocky calcareous soils in the Pannonian floristic province

No. of relevés: 474

Diagnostic species (11)

<i>Campanula sibirica</i>	C	40.4	10
<i>Teucrium montanum</i>	C	39.5	08, 10, 10AF
<i>Festuca pallens</i>	C	37.2	08
<i>Carex humilis</i>	C, Dm	37.2	08, 10, 10AF
<i>Alyssum montanum</i>		36.7	10
<i>Poa badensis</i>		36.6	10
<i>Helianthemum canum</i>		31.8	10
<i>Potentilla acaulis</i>	C	31.6	10, 10AA, 10AB
<i>Seseli osseum</i>	C	28.3	08
<i>Asperula cynanchica</i>	C	24.6	10, 10AA
<i>Thymus praecox</i>		24.4	10, 10AA

Constant species (14)

<i>Carex humilis</i>	Dg, Dm	80.0	08, 08AA, 10, 10AF, 27AA
<i>Festuca pallens</i>	Dg	74.0	08, 10, 10AF
<i>Teucrium montanum</i>	Dg	68.0	08, 10, 10AF
<i>Seseli osseum</i>	Dg	68.0	08, 08AA, 10, 10AB, 10AF, 34, 34BA
<i>Potentilla acaulis</i>	Dg	68.0	10, 10AA, 10AB
<i>Teucrium chamaedrys</i>		66.0	10, 10AA, 10AB, 10AF, 10BA, 27AA, 28AC, 37, 37AA
<i>Euphorbia cyparissias</i>		65.0	08, 08AA, 09, 10, 10AA, 10AB, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Asperula cynanchica</i>	Dg	57.0	10, 10AA, 10AB, 10AF
<i>Jovibarba globifera</i>		55.0	06, 06AB, 08, 08AA, 34, 34CA
<i>Anthericum ramosum</i>		48.0	08, 08AA, 10, 10AF
<i>Sanguisorba minor</i>		43.0	10, 10AA, 10AF, 10BA, 10BB
<i>Campanula sibirica</i>	Dg	42.0	
<i>Anthyllis vulneraria</i>		42.0	06, 06AB, 10, 10AF, 10BA
<i>Vincetoxicum hirundinaria</i>		41.0	08, 10AF, 27AA, 27AB, 27AC, 28AC, 36CA, 37, 37AA, 37BB

Dominant species (2)

<i>Sesleria caerulea</i>		3.0	03, 03AB, 06AB, 08, 08AA, 10, 10AF, 27AA, 39BB
<i>Carex humilis</i>	Dg, C	3.0	08, 08AA, 10AF

Alliance 10AF *Diantho lumnitzeri-Seslerion albicantis***Dealpine grasslands with *Sesleria caerulea***

No. of relevés: 237

Diagnostic species (14)

<i>Carex humilis</i>	C, Dm	37.0	08, 10, 10AC
<i>Leontodon incanus</i>	C	36.5	08, 08AA
<i>Globularia bisnagarica</i>		35.6	10
<i>Teucrium montanum</i>	C	34.0	08, 10, 10AC
<i>Inula ensifolia</i>	C	33.8	10
<i>Sesleria caerulea</i>	C, Dm	32.8	06, 06AB, 08, 08AA
<i>Campanula moravica</i>		32.6	
<i>Anthericum ramosum</i>	C	31.2	08
<i>Acinos alpinus</i>	C	29.9	
<i>Genista pilosa</i>	C	26.8	37BB, 48, 48AA
<i>Bupleurum falcatum</i>	C	26.8	
<i>Hippocrepis comosa</i>		26.4	08
<i>Bromus monocladus</i>		25.0	
<i>Potentilla heptaphylla</i>	C	24.1	10

Constant species (19)

<i>Sesleria caerulea</i>	Dg, Dm	93.0	03, 03AA, 03AB, 06, 06AB, 08, 08AA, 20CD
<i>Carex humilis</i>	Dg, Dm	80.0	08, 08AA, 10, 10AC, 27AA
<i>Euphorbia cyparissias</i>		70.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Anthericum ramosum</i>	Dg	70.0	08, 08AA, 10, 10AC
<i>Teucrium chamaedrys</i>		61.0	10, 10AA, 10AB, 10AC, 10BA, 27AA, 28AC, 37, 37AA
<i>Genista pilosa</i>	Dg	61.0	08, 25, 27AD, 37BB, 48, 48AA
<i>Vincetoxicum hirundinaria</i>		58.0	08, 10AC, 27AA, 27AB, 27AC, 28AC, 36CA, 37, 37AA, 37BB

<i>Teucrium montanum</i>	Dg	58.0	08, 10, 10AC
<i>Leontodon incanus</i>	Dg	57.0	08, 08AA
<i>Inula ensifolia</i>	Dg	56.0	
<i>Asperula cynanchica</i>		54.0	10, 10AA, 10AB, 10AC
<i>Helianthemum grandiflorum</i>		51.0	06, 06AB, 06AC, 08, 10, 46
<i>Bupleurum falcatum</i>	Dg	46.0	
<i>Seseli osseum</i>		44.0	08, 08AA, 10, 10AB, 10AC, 34, 34BA
<i>Sanguisorba minor</i>		44.0	10, 10AA, 10AC, 10BA, 10BB
<i>Potentilla heptaphylla</i>	Dg	44.0	10, 10BB
<i>Festuca pallens</i>		44.0	08, 10, 10AC
<i>Anthyllis vulneraria</i>		43.0	06, 06AB, 10, 10AC, 10BA
<i>Acinos alpinus</i>	Dg	41.0	
Dominant species (2)			
<i>Sesleria caerulea</i>	Dg, C	23.0	03, 03AB, 06AB, 08, 08AA, 10, 10AC, 27AA, 39BB
<i>Carex humilis</i>	Dg, C	3.0	08, 08AA, 10AC

Alliance 10BA *Bromion erecti*

Subatlantic broad-leaved dry grasslands on deep calcareous soils

No. of relevés: 269

Diagnostic species (20)

<i>Bromus erectus</i>	C, Dm	48.9	10, 10BB
<i>Salvia pratensis</i>	C	34.6	10, 10BB, 37
<i>Onobrychis viciifolia</i>		32.2	
<i>Sanguisorba minor</i>	C	31.5	10, 10AA
<i>Ranunculus bulbosus</i>		31.0	
<i>Trifolium montanum</i>	C	30.9	10, 10BB
<i>Plantago media</i>	C	29.1	10, 10BB
<i>Medicago falcata</i>	C	28.2	10, 10BB
<i>Primula veris</i>	C	27.4	10BB
<i>Polygala major</i>		27.4	
<i>Festuca rupicola</i>	C, Dm	27.4	10, 10CA
<i>Polygala comosa</i>		27.1	
<i>Salvia verticillata</i>		26.9	
<i>Knautia kitaibelii</i>	C	26.8	08
<i>Carex caryophylla</i>		26.7	10, 10BB
<i>Avenula pubescens</i>		26.3	
<i>Tragopogon orientalis</i>	C	25.2	10BB
<i>Primula vulgaris</i>		25.2	
<i>Colymbada scabiosa</i> agg.	C	25.2	10
<i>Trisetum flavescens</i>	C	24.6	17, 17AA, 17EA

Constant species (38)

<i>Lotus corniculatus</i>		80.0	06, 06AC, 10, 10BB, 11CA, 12AB, 17, 17AA, 17AB, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Salvia pratensis</i>	Dg	76.0	10, 10BB, 37, 37AA
<i>Plantago media</i>	Dg	76.0	10, 10BB, 17, 17AA, 17AB
<i>Achillea millefolium</i> agg.		75.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Sanguisorba minor</i>	Dg	71.0	10, 10AA, 10AC, 10AF, 10BB

<i>Dactylis glomerata</i>		69.0	10BB, 17, 17AA, 17EA, 20EA, 31AA, 43, 43AC
<i>Plantago lanceolata</i>		68.0	02, 02AA, 02AB, 10, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Bromus erectus</i>	Dg, Dm	68.0	10BB
<i>Festuca rupicola</i>	Dg, Dm	67.0	10, 10BB, 10CA
<i>Pimpinella saxifraga</i>		66.0	10, 10BB, 17, 17AA, 17AB, 27AA, 37AB, 50
<i>Leucanthemum vulgare</i> agg.		65.0	06, 08, 10BB, 17, 17AA, 17AB, 17BD, 17EA, 20CD, 46
<i>Briza media</i>		65.0	10BB, 17, 17AA, 17AB, 17BC, 17EA, 32, 32AB, 32AG, 32CC, 48AC
<i>Leontodon hispidus</i>		64.0	10BB, 17, 17AA, 17AB, 17EA, 20CE
<i>Arrhenatherum elatius</i>		60.0	10BB, 10CA, 17AA
<i>Trifolium montanum</i>	Dg	57.0	10BB
<i>Poa pratensis</i> agg.		54.0	02AA, 10BB, 10CA, 17, 17AA, 17BB, 17BC, 17BD, 17BE, 27AB, 37, 43AD
<i>Dianthus carthusianorum</i>		54.0	10
<i>Euphorbia cyparissias</i>		53.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Carlina acaulis</i>		53.0	06, 06AC, 08, 10BB, 20CC, 20CD
<i>Viola hirta</i>		51.0	10, 10BB, 27AA, 27AC, 37, 37AB
<i>Medicago falcata</i>	Dg	51.0	10, 10BB
<i>Brachypodium pinnatum</i>		49.0	10, 10BB, 27AA, 37, 37AA, 37AB
<i>Anthyllis vulneraria</i>		49.0	06, 06AB, 10, 10AC, 10AF
<i>Linum catharticum</i>		48.0	10BB
<i>Trisetum flavescens</i>	Dg	46.0	17, 17AA, 17EA
<i>Tragopogon orientalis</i>	Dg	46.0	10BB
<i>Thymus pulegioides</i>		46.0	10BB, 17AB, 50
<i>Primula veris</i>	Dg	46.0	10BB
<i>Knautia kitaibelii</i>	Dg	44.0	08
<i>Cruciata glabra</i>		44.0	10BB, 17, 17AA, 17AB, 17EA, 20CC, 25, 25AA, 27AB, 47, 47AC
<i>Trifolium pratense</i> * <i>pratense</i>		43.0	10BB, 17, 17AA, 17AB, 17BB, 17BD, 17EA, 17EB, 17EC
<i>Teucrium chamaedrys</i>		43.0	10, 10AA, 10AB, 10AC, 10AF, 27AA, 28AC, 37, 37AA
<i>Colymbada scabiosa</i> agg.	Dg	43.0	27AA, 37
<i>Securigera varia</i>		42.0	27AA, 37
<i>Galium verum</i> agg.		42.0	10, 10BB, 10CA, 17BC, 37, 37AB, 50, 50AB
<i>Agrimonia eupatoria</i>		42.0	50, 50AB
<i>Vicia cracca</i> agg.		41.0	10BB, 17, 17AA, 17BE, 17EA, 46, 46AA
<i>Veronica chamaedrys</i> agg.		41.0	17, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 43AD
Dominant species (2)			
<i>Bromus erectus</i>	Dg, C	9.0	
<i>Festuca rupicola</i>	Dg, C	3.0	

Alliance 10BB Cirsio-Brachypodium pinnati**Subcontinental broad-leaved dry grasslands on calcareous soils**

No. of relevés: 458

Diagnostic species (14)

<i>Lathyrus latifolius</i>		41.1	
<i>Cirsium pannonicum</i>		40.1	10
<i>Brachypodium pinnatum</i>	C, Dm	35.3	37
<i>Bromus erectus</i>	C	31.8	10, 10BA
<i>Salvia pratensis</i>	C	30.0	10, 10BA, 37
<i>Primula veris</i>	C	29.2	10BA
<i>Trifolium montanum</i>	C	29.1	10, 10BA
<i>Filipendula vulgaris</i>	C	28.7	
<i>Carex montana</i>	C	27.7	27AB, 27AD
<i>Hypochaeris maculata</i>		25.3	
<i>Plantago media</i>	C	25.3	10, 10BA
<i>Medicago falcata</i>	C	24.3	10, 10BA
<i>Carex caryophyllea</i>		24.3	10, 10BA
<i>Tragopogon orientalis</i>	C	24.0	10BA

Constant species (37)

<i>Brachypodium pinnatum</i>	Dg, Dm	85.0	10, 10BA, 27AA, 37, 37AA, 37AB
<i>Achillea millefolium</i> agg.		81.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Pimpinella saxifraga</i>		70.0	10, 10BA, 17, 17AA, 17AB, 27AA, 37AB, 50
<i>Briza media</i>		70.0	10BA, 17, 17AA, 17AB, 17BC, 17EA, 32, 32AB, 32AG, 32CC, 48AC
<i>Lotus corniculatus</i>		69.0	06, 06AC, 10, 10BA, 11CA, 12AB, 17, 17AA, 17AB, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Plantago media</i>	Dg	67.0	10, 10BA, 17, 17AA, 17AB
<i>Salvia pratensis</i>	Dg	66.0	10, 10BA, 37, 37AA
<i>Plantago lanceolata</i>		64.0	02, 02AA, 02AB, 10, 10BA, 10CA, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Dactylis glomerata</i>		62.0	10BA, 17, 17AA, 17EA, 20EA, 31AA, 43, 43AC
<i>Euphorbia cyparissias</i>		61.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Viola hirta</i>		59.0	10, 10BA, 27AA, 27AC, 37, 37AB
<i>Leucanthemum vulgare</i> agg.		59.0	06, 08, 10BA, 17, 17AA, 17AB, 17BD, 17EA, 20CD, 46
<i>Leontodon hispidus</i>		59.0	10BA, 17, 17AA, 17AB, 17EA, 20CE
<i>Galium verum</i> agg.		57.0	10, 10BA, 10CA, 17BC, 37, 37AB, 50, 50AB
<i>Carlina acaulis</i>		57.0	06, 06AC, 08, 10BA, 20CC, 20CD
<i>Trifolium montanum</i>	Dg	54.0	10BA
<i>Linum catharticum</i>		52.0	10BA
<i>Festuca rupicola</i>		52.0	10, 10BA, 10CA
<i>Cruciata glabra</i>		52.0	10BA, 17, 17AA, 17AB, 17EA, 20CC, 25, 25AA, 27AB, 47, 47AC
<i>Arrhenatherum elatius</i>		51.0	10BA, 10CA, 17AA

<i>Primula veris</i>	Dg	49.0	10BA
<i>Sanguisorba minor</i>		47.0	10, 10AA, 10AC, 10AF, 10BA
<i>Thymus pulegioides</i>		46.0	10BA, 17AB, 50
<i>Filipendula vulgaris</i>	Dg	46.0	
<i>Anthoxanthum odoratum</i> agg.		46.0	06AC, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Tragopogon orientalis</i>	Dg	44.0	10BA
<i>Medicago falcata</i>	Dg	44.0	10, 10BA
<i>Campanula glomerata</i>		44.0	46, 46AA
<i>Bromus erectus</i>	Dg	44.0	10BA
<i>Potentilla heptaphylla</i>		43.0	10, 10AF
<i>Poa pratensis</i> agg.		43.0	02AA, 10BA, 10CA, 17, 17AA, 17BB, 17BC, 17BD, 17BE, 27AB, 37, 43AD
<i>Carex montana</i>	Dg	43.0	27AD
<i>Trifolium pratense</i> * <i>pratense</i>		42.0	10BA, 17, 17AA, 17AB, 17BB, 17BD, 17EA, 17EB, 17EC
<i>Vicia cracca</i> agg.		41.0	10BA, 17, 17AA, 17BE, 17EA, 46, 46AA
<i>Ranunculus polyanthemos</i>		41.0	
<i>Festuca pratensis</i>		41.0	17, 17AA, 17AB, 17BB, 17BD, 17EA
<i>Agrostis capillaris</i>		41.0	07, 07AA, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
Dominant species (2)			
<i>Brachypodium pinnatum</i>	Dg, C	14.0	10, 20CD, 27AA, 37, 37AA
<i>Inula ensifolia</i>		3.0	

Alliance 10CA *Koelerio-Phleion phleoidis***Acidophilous dry grasslands on sandy to gravelly soils**

No. of relevés: 51

Diagnostic species (14)

<i>Draba muralis</i>		35.9	
<i>Pulsatilla pratensis</i> agg.		35.7	
<i>Centaurea stoebe</i>	C	35.4	
<i>Viscaria vulgaris</i>	C	34.1	
<i>Aira elegantissima</i>		34.0	
<i>Phleum phleoides</i>	C	32.8	
<i>Saxifraga bulbifera</i>		32.7	
<i>Galatella linosyris</i>		31.4	
<i>Orphantha lutea</i>		30.2	
<i>Potentilla argentea</i> agg.	C	27.6	
<i>Vicia lathyroides</i>		27.4	
<i>Stipa pennata</i>		27.0	
<i>Festuca rupicola</i>	C	24.6	10, 10BA
<i>Arabidopsis thaliana</i>		24.5	

Constant species (17)

<i>Centaurea stoebe</i>	Dg	75.0	
<i>Euphorbia cyparissias</i>		67.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Rumex acetosella</i>		67.0	03CB, 09, 14, 33AB, 34AA, 36DA, 48, 48AA, 50, 50AB
<i>Potentilla argentea</i> agg.	Dg	65.0	02AA, 10AB, 34AA

<i>Pilosella officinarum</i>		63.0	47AC, 48AC
<i>Viscaria vulgaris</i>	Dg	61.0	
<i>Hypericum perforatum</i>		61.0	07, 07AA, 10, 10AB, 25, 25AA, 28AC, 37, 37AB, 37BB, 48, 50
<i>Festuca rupicola</i>	Dg	61.0	10, 10BA, 10BB
<i>Plantago lanceolata</i>		59.0	02, 02AA, 02AB, 10, 10BA, 10BB, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Achillea millefolium</i> agg.		55.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Arrhenatherum elatius</i>		53.0	10BA, 10BB, 17AA
<i>Galium verum</i> agg.		51.0	10, 10BA, 10BB, 17BC, 37, 37AB, 50, 50AB
<i>Poa pratensis</i> agg.		49.0	02AA, 10BA, 10BB, 17, 17AA, 17BB, 17BC, 17BD, 17BE, 27AB, 37, 43AD
<i>Agrostis capillaris</i>		45.0	07, 07AA, 10BB, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Pilosella bauhinii</i>		43.0	
<i>Anthoxanthum odoratum</i> agg.		43.0	06AC, 10BB, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Phleum phleoides</i>	Dg	41.0	
Dominant species (2)			
<i>Festuca valesiaca</i> agg.		6.0	10, 10AA, 10AB
<i>Festuca filiformis</i>		4.0	

Class 11 *Festuco-Puccinellietea*

Inland salt-marshes

No. of relevés: 372

Diagnostic species (20)

<i>Plantago maritima</i>	C	54.1	11AB, 11BA
<i>Taraxacum bessarabicum</i>		48.0	11BA
<i>Lotus tenuis</i>	C	46.1	11AA, 11AC
<i>Tripolium pannonicum</i>	C	43.3	11BA, 35
<i>Podospermum canum</i>		43.3	11BA, 11CA
<i>Bupleurum tenuissimum</i>		43.3	11BA, 11CA
<i>Juncus gerardii</i>	Dm	40.6	11AA, 11BA
<i>Festuca pseudovina</i>	C, Dm	40.2	11CA
<i>Trifolium bonannii</i>		38.9	11AB, 11AC
<i>Pulegium vulgare</i>		31.5	11AC
<i>Odonites vulgaris</i> agg.		30.9	
<i>Carex distans</i>	Dm	30.3	11AB
<i>Artemisia santonicum</i> *patens		29.6	11BA, 11CA, 35
<i>Triglochin maritima</i>		29.2	11AB
<i>Spergularia salina</i>		27.4	11DA
<i>Glaux maritima</i>		27.2	11AB
<i>Inula britannica</i>		25.9	17BE
<i>Trifolium fragiferum</i>		25.7	11BA
<i>Puccinellia distans</i> agg.	C, Dm	25.4	11BA, 35, 35AB

<i>Trichophorum pumilum</i>	Dm	24.0	11AB
Constant species (8)			
<i>Plantago maritima</i>	Dg	43.0	11AB, 11BA, 11CA
<i>Agrostis stolonifera</i>		42.0	04, 04AA, 11AA, 11AB, 11AC, 12, 12AB, 17BB, 17BE, 17CA, 17DA, 31AA
<i>Achillea millefolium</i> agg.		38.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Festuca pseudovina</i>	Dg, Dm	33.0	11CA
<i>Tripolium pannonicum</i>	Dg	31.0	11BA
<i>Lotus tenuis</i>	Dg	28.0	11AC
<i>Puccinellia distans</i> agg.	Dg, Dm	27.0	11BA, 35, 35AB
<i>Potentilla anserina</i>		27.0	11AA, 11AC, 17CA
Dominant species (6)			
<i>Festuca pseudovina</i>	Dg, C	19.0	10AA, 11CA
<i>Puccinellia distans</i> agg.	Dg, C	9.0	04, 04AB, 11BA
<i>Heleochoa schoenoides</i>		5.0	11DA
<i>Trichophorum pumilum</i>	Dg	3.0	11AB
<i>Mentha longifolia</i>		3.0	11AA, 17BA
<i>Juncus gerardii</i>	Dg	3.0	11BA

Alliance 11AA *Juncion gerardii***Saline meadows on wet solonchak soils**

No. of relevés: 133

Diagnostic species (6)			
<i>Juncus gerardii</i>	Dm	35.4	11, 11BA
<i>Carex divisa</i>	Dm	31.0	
<i>Scorzonera parviflora</i>	Dm	28.0	
<i>Hypericum tetrapterum</i>		27.7	
<i>Juncus inflexus</i>	Dm	26.4	19BB
<i>Lotus tenuis</i>		25.1	11, 11AC
Constant species (4)			
<i>Agrostis stolonifera</i>	Dm	70.0	04, 04AA, 11, 11AB, 11AC, 12, 12AB, 17BB, 17BE, 17CA, 17DA, 31AA
<i>Potentilla anserina</i>	Dm	57.0	11, 11AC, 17CA
<i>Ranunculus repens</i>		50.0	01, 01BA, 04, 04AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Carex hirta</i>		41.0	09, 14, 17CD, 48AC
Dominant species (8)			
<i>Mentha longifolia</i>		10.0	11, 17BA
<i>Juncus inflexus</i>	Dg	6.0	
<i>Carex distans</i>		6.0	
<i>Carex divisa</i>	Dg	5.0	
<i>Agrostis stolonifera</i>	C	5.0	17BB, 17BE, 17CA, 22CA
<i>Plantago maritima</i>		4.0	11AB
<i>Scorzonera parviflora</i>	Dg	3.0	
<i>Potentilla anserina</i>	C	3.0	17CA

Alliance 11AB *Halo-Trichophorion pumili***Saline vegetation on magnesium-rich travertines**

No. of relevés: 24

Diagnostic species (11)

<i>Trichophorum pumilum</i>	C, Dm	89.7	11
<i>Glaux maritima</i>	C	86.1	11
<i>Triglochin maritima</i>	C	78.9	11
<i>Plantago maritima</i>	C, Dm	58.8	11, 11BA
<i>Primula farinosa</i>	C	55.7	32, 32AB
<i>Carex distans</i>	C	46.6	11
<i>Pinguicula vulgaris</i>	C	36.2	16BA, 32
<i>Schoenoplectus tabernaemontani</i>	C, Dm	35.1	22DA
<i>Trifolium bonannii</i>	C	32.4	11, 11AC
<i>Centaurea jacea</i> agg.	C	27.3	50
<i>Campylium elodes</i>	Dm	25.2	

Constant species (12)

<i>Plantago maritima</i>	Dg, Dm	100.0	11, 11BA, 11CA
<i>Triglochin maritima</i>	Dg	96.0	
<i>Trichophorum pumilum</i>	Dg, Dm	92.0	
<i>Primula farinosa</i>	Dg	83.0	
<i>Glaux maritima</i>	Dg	83.0	
<i>Centaurea jacea</i> agg.	Dg	71.0	11CA, 17BC, 50, 50AB
<i>Pinguicula vulgaris</i>	Dg	62.0	16BA
<i>Carex distans</i>	Dg	58.0	
<i>Agrostis stolonifera</i>		54.0	04, 04AA, 11, 11AA, 11AC, 12, 12AB, 17BB, 17BE, 17CA, 17DA, 31AA
<i>Parnassia palustris</i>		50.0	06AC, 32, 32AB
<i>Trifolium bonannii</i>	Dg	42.0	11AC
<i>Schoenoplectus tabernaemontani</i>	Dg, Dm	42.0	22DA

Dominant species (4)

<i>Trichophorum pumilum</i>	Dg, C	42.0	11
<i>Schoenoplectus tabernaemontani</i>	Dg, C	17.0	22DA
<i>Plantago maritima</i>	Dg, C	8.0	11AA
<i>Campylium elodes</i>	Dg	4.0	

Alliance 11AC *Beckmannion eruciformis***Moderately saline wet grasslands**

No. of relevés: 7

Diagnostic species (12)

<i>Beckmannia eruciformis</i>	C, Dm	99.8	
<i>Ranunculus lateriflorus</i>	C	65.7	
<i>Ranunculus sardous</i>	C	56.3	12, 12AA
<i>Alopecurus geniculatus</i>	C	52.8	12
<i>Glyceria fluitans</i>	C	52.0	
<i>Pulegium vulgare</i>	C	49.7	11
<i>Lotus tenuis</i>	C	47.5	11, 11AA
<i>Trifolium bonannii</i>	C	44.7	11, 11AB
<i>Plantago uliginosa</i>	C	43.8	12, 12AA
<i>Juncus compressus</i>	C	41.4	
<i>Myosurus minimus</i>	C	39.7	12, 12AA
<i>Scorzoneroideis autumnalis</i>	C	30.2	50

Constant species (16)

<i>Beckmannia eruciformis</i>	Dg, Dm	100.0	
<i>Glyceria fluitans</i>	Dg	86.0	

<i>Agrostis stolonifera</i>		86.0	04, 04AA, 11, 11AA, 11AB, 12, 12AB, 17BB, 17BE, 17CA, 17DA, 31AA
<i>Ranunculus sardous</i>	Dg	71.0	12AA
<i>Ranunculus repens</i>		71.0	01, 01BA, 04, 04AA, 11AA, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Pulegium vulgare</i>	Dg	71.0	
<i>Plantago uliginosa</i>	Dg	71.0	12
<i>Lotus tenuis</i>	Dg	71.0	11
<i>Scorzoneroides autumnalis</i>	Dg	71.0	50
<i>Alopecurus geniculatus</i>	Dg	71.0	
<i>Trifolium bonannii</i>	Dg	57.0	11AB
<i>Ranunculus lateriflorus</i>	Dg	57.0	
<i>Potentilla anserina</i>		43.0	11, 11AA, 17CA
<i>Myosurus minimus</i>	Dg	43.0	12AA
<i>Juncus compressus</i>	Dg	43.0	
<i>Bidens tripartita</i>		43.0	04, 04AA, 12, 12AD
Dominant species (1)			
<i>Beckmannia eruciformis</i>	Dg, C	14.0	

Alliance 11BA *Puccinellion limosae***Saline grasslands on dry solonetz soils**

No. of relevés: 73

Diagnostic species (15)

<i>Puccinellia distans</i> agg.	C, Dm	63.3	11, 35, 35AB
<i>Tripolium pannonicum</i>	C	62.3	11, 35
<i>Taraxacum bessarabicum</i>	C	61.1	11
<i>Plantago maritima</i>	C	44.1	11, 11AB
<i>Dichodon viscidum</i>	C	40.2	12AA, 35
<i>Artemisia santonicum</i> *patens		38.9	11, 11CA, 35
<i>Hordeum marinum</i>	Dm	35.0	
<i>Atriplex littoralis</i>		33.7	
<i>Matricaria chamomilla</i>	C	33.2	35, 35AB
<i>Bupleurum tenuissimum</i>		32.5	11, 11CA
<i>Juncus gerardii</i>	Dm	30.8	11, 11AA
<i>Podospermum canum</i>		30.4	11, 11CA
<i>Pholiusrus pannonicus</i>		29.8	
<i>Trifolium fragiferum</i>		29.3	11
<i>Plantago tenuiflora</i>	Dm	27.0	35, 35AB

Constant species (6)

<i>Puccinellia distans</i> agg.	Dg, Dm	99.0	11, 35, 35AB
<i>Tripolium pannonicum</i>	Dg	82.0	11
<i>Plantago maritima</i>	Dg	75.0	11, 11AB, 11CA
<i>Taraxacum bessarabicum</i>	Dg	64.0	
<i>Matricaria chamomilla</i>	Dg	55.0	35, 35AB
<i>Dichodon viscidum</i>	Dg	52.0	35

Dominant species (4)

<i>Puccinellia distans</i> agg.	Dg, C	44.0	04, 04AB, 11
<i>Juncus gerardii</i>	Dg	14.0	11
<i>Hordeum marinum</i>	Dg	10.0	
<i>Plantago tenuiflora</i>	Dg	7.0	

Alliance 11CA *Festucion pseudovinae***Pontic-Pannonian saline pastures**

No. of relevés: 102

Diagnostic species (11)

<i>Festuca pseudovina</i>	C, Dm	65.6	11
<i>Podospermum canum</i>	C	56.9	11, 11BA
<i>Bupleurum tenuissimum</i>	C	53.2	11, 11BA
<i>Trifolium angulatum</i>		38.3	
<i>Artemisia santonicum</i> *patens	Dm	37.8	11, 11BA, 35
<i>Lactuca saligna</i>		36.5	
<i>Ranunculus pedatus</i>		29.1	
<i>Gypsophila muralis</i>	C	28.7	33AB
<i>Eryngium planum</i>		28.3	
<i>Trifolium retusum</i>		25.8	
<i>Galatella cana</i>		24.2	

Constant species (10)

<i>Festuca pseudovina</i>	Dg, Dm	97.0	11
<i>Achillea millefolium</i> agg.		79.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Podospermum canum</i>	Dg	56.0	
<i>Plantago lanceolata</i>		50.0	02, 02AA, 02AB, 10, 10BA, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Centaurea jacea</i> agg.		50.0	11AB, 17BC, 50, 50AB
<i>Taraxacum</i> sect. <i>Ruderalia</i>		49.0	02, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23BA, 29, 29AB, 33, 33DA, 43AC
<i>Bupleurum tenuissimum</i>	Dg	49.0	
<i>Lotus corniculatus</i>		44.0	06, 06AC, 10, 10BA, 10BB, 12AB, 17, 17AA, 17AB, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Gypsophila muralis</i>	Dg	44.0	33AB
<i>Plantago maritima</i>		41.0	11, 11AB, 11BA

Dominant species (2)

<i>Festuca pseudovina</i>	Dg, C	69.0	10AA, 11
<i>Artemisia santonicum</i> *patens	Dg	3.0	

Alliance 11DA *Cypero-Spergularion salinae***Open ephemeral saline vegetation on exposed bottoms of fishponds**

No. of relevés: 33

Diagnostic species (6)

<i>Spergularia salina</i>	C	78.5	11
<i>Crypsis aculeata</i>	C, Dm	76.3	
<i>Heleochoa schoenoides</i>	C, Dm	68.9	
<i>Cyperus pannonicus</i>	Dm	52.1	
<i>Chenopodium glaucum</i>	Dm	26.0	04, 04AB
<i>Juncus bufonius</i> agg.		24.9	12, 12AA

Constant species (3)

<i>Spergularia salina</i>	Dg	73.0	
<i>Crypsis aculeata</i>	Dg, Dm	61.0	
<i>Heleochoa schoenoides</i>	Dg, Dm	55.0	

Dominant species (4)

<i>Heleochloa schoenoides</i>	Dg, C	52.0	11
<i>Crypsis aculeata</i>	Dg, C	18.0	
<i>Cyperus pannonicus</i>	Dg	12.0	
<i>Chenopodium glaucum</i>	Dg	3.0	04, 04AB

Class 12 *Isoëto-Nanojuncetea***Hygrophilous vegetation of annual herbs on exposed bottoms**

No. of relevés: 161

Diagnostic species (25)

<i>Cyperus fuscus</i>	C, Dm	53.3	12AD
<i>Lythrum hyssopifolia</i>	C	51.6	12AA
<i>Gnaphalium uliginosum</i>	C	51.5	12AA, 12AD
<i>Juncus bufonius</i> agg.	C	49.7	11DA, 12AA
<i>Ranunculus sardous</i>	Dm	42.5	11AC, 12AA
<i>Myosurus minimus</i>	Dm	41.7	11AC, 12AA
<i>Plantago uliginosa</i>	C	37.5	11AC, 12AA
<i>Peplis portula</i>		37.0	12AD
<i>Radiola linoides</i>		35.8	12AB
<i>Limosella aquatica</i>		35.5	12AD, 16AC
<i>Juncus bulbosus</i>		34.9	12AB
<i>Isolepis setacea</i>		32.8	12AB
<i>Centunculus minimus</i>		32.1	12AB
<i>Potentilla supina</i>		30.6	12AD
<i>Ranunculus sceleratus</i>		28.1	12AD
<i>Rorippa sylvestris</i>		27.5	
<i>Alopecurus geniculatus</i>		27.2	11AC
<i>Centaurium pulchellum</i>		27.1	12AA
<i>Cyperus flavescens</i>		26.3	12AB
<i>Echinochloa crus-galli</i>	C	26.3	04, 04AB, 33BB, 33BC
<i>Persicaria lapathifolia</i>	C	26.1	04, 04AB
<i>Juncus articulatus</i>	C	25.9	32
<i>Veronica anagalloides</i>		25.7	12AA
<i>Bidens tripartita</i>	C	24.8	04, 04AA
<i>Eleocharis acicularis</i>	Dm	24.6	16, 16AC

Constant species (11)

<i>Juncus bufonius</i> agg.	Dg	39.0	12AA
<i>Gnaphalium uliginosum</i>	Dg	38.0	12AA, 12AD
<i>Cyperus fuscus</i>	Dg, Dm	35.0	12AD
<i>Lythrum hyssopifolia</i>	Dg	34.0	12AA
<i>Agrostis stolonifera</i>		33.0	04, 04AA, 11, 11AA, 11AB, 11AC, 12AB, 17BB, 17BE, 17CA, 17DA, 31AA
<i>Persicaria lapathifolia</i>	Dg	32.0	04, 04AA, 04AB, 12AD, 33BB
<i>Tripleurospermum inodorum</i>		31.0	02, 02AB, 04, 04AB, 12AA, 33, 33AB, 33BA, 33BB, 33BC, 33DA, 33DB
<i>Plantago uliginosa</i>	Dg	30.0	11AC
<i>Juncus articulatus</i>	Dg	30.0	12AD, 19BB, 32, 32AG
<i>Bidens tripartita</i>	Dg	29.0	04, 04AA, 11AC, 12AD
<i>Echinochloa crus-galli</i>	Dg	28.0	04, 04AB, 33BB, 33BC

Dominant species (4)

<i>Ranunculus sardous</i>	Dg	8.0	12AA
<i>Eleocharis acicularis</i>	Dg	6.0	12AD, 16, 16AC
<i>Cyperus fuscus</i>	Dg, C	5.0	12AA, 12AD
<i>Myosurus minimus</i>	Dg	4.0	12AA

Alliance 12AA *Nanocyperion flavescens*

Hygrophilous vegetation of annual herbs on exposed bottoms of periodically flooded depressions on clay soils

No. of relevés: 60

Diagnostic species (11)

<i>Myosurus minimus</i>	C, Dm	55.9	11AC, 12
<i>Ranunculus sardous</i>	C, Dm	47.1	11AC, 12
<i>Lythrum hyssopifolia</i>	C	46.3	12
<i>Juncus bufonius</i> agg.	C	36.3	11DA, 12
<i>Veronica anagalloides</i>		33.5	12
<i>Riccia cavernosa</i>		31.5	
<i>Centaurium pulchellum</i>		29.5	12
<i>Gnaphalium uliginosum</i>	C	27.7	12, 12AD
<i>Dichodon viscidum</i>		26.8	11BA, 35
<i>Rorippa palustris</i>		24.8	
<i>Plantago uliginosa</i>		24.1	11AC, 12

Constant species (6)

<i>Tripleurospermum inodorum</i>		65.0	02, 02AB, 04, 04AB, 12, 33, 33AB, 33BA, 33BB, 33BC, 33DA, 33DB
<i>Ranunculus sardous</i>	Dg, Dm	60.0	11AC
<i>Myosurus minimus</i>	Dg, Dm	60.0	11AC
<i>Lythrum hyssopifolia</i>	Dg	57.0	12
<i>Juncus bufonius</i> agg.	Dg	57.0	12
<i>Gnaphalium uliginosum</i>	Dg	43.0	12, 12AD

Dominant species (3)

<i>Ranunculus sardous</i>	Dg, C	22.0	12
<i>Myosurus minimus</i>	Dg, C	12.0	12
<i>Cyperus fuscus</i>		3.0	12, 12AD

Alliance 12AB *Radiolion linoidis*

Annual vegetation on wet sands

No. of relevés: 25

Diagnostic species (10)

<i>Radiola linoides</i>	C	91.6	12
<i>Centunculus minimus</i>	C	82.2	12
<i>Juncus bulbosus</i>	C	81.0	12
<i>Isolepis setacea</i>	C	67.0	12
<i>Cyperus flavescens</i>		58.6	12
<i>Juncus capitatus</i>		52.8	
<i>Pseudognaphalium luteoalbum</i>		48.1	
<i>Carex stenophylla</i>	C	43.0	09, 48AC
<i>Sagina procumbens</i>	C	41.7	23AB
<i>Lycopodiella inundata</i>		27.9	

Constant species (8)

<i>Radiola linoides</i>	Dg	84.0	
<i>Juncus bulbosus</i>	Dg	84.0	
<i>Centunculus minimus</i>	Dg	68.0	
<i>Carex stenophylla</i>	Dg	56.0	09, 48AC
<i>Sagina procumbens</i>	Dg	52.0	
<i>Isolepis setacea</i>	Dg	52.0	
<i>Lotus corniculatus</i>		44.0	06, 06AC, 10, 10BA, 10BB, 11CA, 17, 17AA, 17AB, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Agrostis stolonifera</i>		44.0	04, 04AA, 11, 11AA, 11AB, 11AC, 12, 17BB, 17BE, 17CA, 17DA, 31AA

Dominant species (0)

Alliance 12AD *Elatini-Eleocharition ovatae***Vegetation of exposed fishpond bottoms and river alluviums**

No. of relevés: 76

Diagnostic species (7)

<i>Cyperus fuscus</i>	C, Dm	53.9	12
<i>Peplis portula</i>	Dm	32.7	12
<i>Limosella aquatica</i>	Dm	30.1	12, 16AC
<i>Gnaphalium uliginosum</i>	C	29.5	12, 12AA
<i>Ranunculus sceleratus</i>		25.3	12
<i>Potentilla supina</i>		25.3	12
<i>Ranunculus baudotii</i>		24.6	

Constant species (6)

<i>Cyperus fuscus</i>	Dg, Dm	55.0	12
<i>Persicaria lapathifolia</i>		53.0	04, 04AA, 04AB, 12, 33BB
<i>Juncus articulatus</i>		50.0	12, 19BB, 32, 32AG
<i>Gnaphalium uliginosum</i>	Dg	46.0	12, 12AA
<i>Bidens tripartita</i>		42.0	04, 04AA, 11AC, 12
<i>Alisma plantago-aquatica</i>		41.0	41

Dominant species (8)

<i>Eleocharis acicularis</i>		11.0	12, 16, 16AC
<i>Cyperus fuscus</i>	Dg, C	8.0	12, 12AA
<i>Marsilea quadrifolia</i>		4.0	16, 16AC
<i>Limosella aquatica</i>	Dg	4.0	16, 16AC
<i>Ranunculus lateriflorus</i>		3.0	
<i>Pulicaria vulgaris</i>		3.0	
<i>Peplis portula</i>	Dg	3.0	
<i>Juncus bufonius</i> agg.		3.0	

Class 13 *Caricetea curvulae***(Sub-)alpine siliceous grasslands**

No. of relevés: 1133

Diagnostic species (18)

<i>Campanula alpina</i>	C	52.5	13AA, 42, 42AB, 45, 45AA
<i>Oreochloa disticha</i>	C, Dm	50.5	13AA, 42, 42AB, 45, 45AA
<i>Juncus trifidus</i>	C, Dm	47.6	13AA, 42, 42AB, 45, 45AA
<i>Festuca supina</i>	C, Dm	47.3	13AA, 36BA, 42, 42AA, 42AB, 45, 45AA
<i>Avenula versicolor</i>	C	44.7	13AA, 45, 45AA
<i>Hieracium alpinum</i>	C	44.6	13AA, 45, 45AA, 47AA
<i>Agrostis rupestris</i>	C, Dm	44.5	13AA, 47AA
<i>Cetraria islandica</i>	C, Dm	38.8	13AA, 42, 42AA, 45, 45AA
<i>Cladonia coccifera</i>	C	34.9	13AA
<i>Cladonia gracilis</i> agg.	C	30.7	45AA
<i>Senecio abrotanifolius</i>		29.6	
<i>Pulsatilla scherfelii</i>	C	29.5	42, 42AB, 45AA
<i>Luzula alpinopilosa</i>	C	29.3	30, 30AA, 30AB, 36BA, 42
<i>Alectoria ochroleuca</i>		27.5	42
<i>Polytrichum alpinum</i>	C	27.2	36BA, 42
<i>Primula minima</i>	C	25.8	42, 42AA, 42AB
<i>Carex sempervirens</i> ⁹	C, Dm	25.3	06, 06AC, 42
<i>Cladonia arbuscula</i>	C	24.0	36DA, 39CA

Constant species (26)

<i>Campanula alpina</i>	Dg	85.0	13AA, 42, 42AA, 42AB, 45, 45AA
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⁹ In this class *Carex *silicicola* Holub occurs.

<i>Oreochloa disticha</i>	Dg, Dm	78.0	13AA, 36BA, 42, 42AB, 45, 45AA
<i>Festuca supina</i>	Dg, Dm	76.0	13AA, 36BA, 42, 42AA, 42AB, 45, 45AA
<i>Cetraria islandica</i>	Dg, Dm	74.0	06AA, 13AA, 42, 42AA, 42AB, 44, 45, 45AA, 45AB
<i>Juncus trifidus</i>	Dg, Dm	72.0	13AA, 42, 42AA, 42AB, 45, 45AA
<i>Hieracium alpinum</i>	Dg	64.0	13AA, 45, 45AA, 47AA
<i>Agrostis rupestris</i>	Dg, Dm	60.0	13AA, 30, 30AA, 45, 45AA, 47AA
<i>Avenula versicolor</i>	Dg	58.0	13AA, 42, 45, 45AA, 47AA
<i>Luzula alpinopilosa</i>	Dg	49.0	13AA, 19AC, 20CB, 30, 30AA, 30AB, 36BA, 42, 42AB
<i>Homogyne alpina</i>		46.0	13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Ligusticum mutellina</i>		45.0	13AA, 17EB, 19AC, 20, 20CA, 20CB, 20DA, 30, 30AA, 30AB, 30BA, 45, 47AA
<i>Vaccinium vitis-idaea</i>		44.0	08, 08AA, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Carex sempervirens</i>	Dg, Dm	44.0	06, 06AB, 06AC, 13AA, 20CE, 42, 42AA, 42AB
<i>Vaccinium myrtillus</i>		43.0	08, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Avenella flexuosa</i>		43.0	13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Cladonia gracilis</i> agg.	Dg	36.0	42, 45, 45AA
<i>Pulsatilla scherfelii</i>	Dg	34.0	42, 42AB
<i>Primula minima</i>	Dg	33.0	36BA, 42, 42AA, 42AB
<i>Polytrichum piliferum</i>		33.0	37BB, 48, 48AA
<i>Polytrichum alpinum</i>	Dg	32.0	36BA, 42, 42AB
<i>Cladonia coccifera</i>	Dg	30.0	
<i>Potentilla aurea</i>		29.0	06AC, 17EB, 20, 20CA, 20CB, 20CE, 30, 30AB, 47, 47AA, 47AB
<i>Soldanella carpatica</i>		28.0	06AA, 06AC, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Cladonia arbuscula</i>	Dg	28.0	36DA, 39CA, 45AA
<i>Cladonia rangiferina</i>		27.0	39CA, 45, 45AA
<i>Doronicum stiriacum</i>		26.0	30, 36BA, 42, 42AB
Dominant species (6)			
<i>Juncus trifidus</i>	Dg, C	16.0	13AA
<i>Cetraria islandica</i>	Dg, C	12.0	13AA, 30BA, 42AB, 45, 45AA, 45AB
<i>Agrostis rupestris</i>	Dg, C	11.0	13AA
<i>Oreochloa disticha</i>	Dg, C	8.0	13AA
<i>Carex sempervirens</i>	Dg, C	7.0	06, 06AB, 06AC, 13AA
<i>Salix herbacea</i>		4.0	13AA, 30, 30AA

Alliance 13AA *Juncion trifidi***(Sub-)alpine siliceous grasslands in the Alps and the Carpathians**

No. of relevés: 1133

Diagnostic species (9)

<i>Campanula alpina</i>	C	38.5	13, 42, 42AB, 45, 45AA
<i>Oreochloa disticha</i>	C, Dm	38.0	13, 42, 42AB, 45, 45AA
<i>Juncus trifidus</i>	C, Dm	35.9	13, 42, 42AB, 45, 45AA
<i>Festuca supina</i>	C, Dm	33.9	13, 36BA, 42, 42AA, 42AB, 45, 45AA
<i>Avenula versicolor</i>	C	31.9	13, 45, 45AA
<i>Hieracium alpinum</i>	C	31.8	13, 45, 45AA, 47AA
<i>Agrostis rupestris</i>	C, Dm	30.6	13, 47AA
<i>Cetraria islandica</i>	C, Dm	27.5	13, 42, 42AA, 45, 45AA
<i>Cladonia coccifera</i>		26.6	13

Constant species (15)

<i>Campanula alpina</i>	Dg	85.0	13, 42, 42AA, 42AB, 45, 45AA
<i>Oreochloa disticha</i>	Dg, Dm	78.0	13, 36BA, 42, 42AB, 45, 45AA
<i>Festuca supina</i>	Dg, Dm	76.0	13, 36BA, 42, 42AA, 42AB, 45, 45AA
<i>Cetraria islandica</i>	Dg, Dm	74.0	06AA, 13, 42, 42AA, 42AB, 44, 45, 45AA, 45AB
<i>Juncus trifidus</i>	Dg, Dm	72.0	13, 42, 42AA, 42AB, 45, 45AA
<i>Hieracium alpinum</i>	Dg	64.0	13, 45, 45AA, 47AA
<i>Agrostis rupestris</i>	Dg, Dm	60.0	13, 30, 30AA, 45, 45AA, 47AA
<i>Avenula versicolor</i>	Dg	58.0	13, 42, 45, 45AA, 47AA
<i>Luzula alpinopilosa</i>		49.0	13, 19AC, 20CB, 30, 30AA, 30AB, 36BA, 42, 42AB
<i>Homogyne alpina</i>		46.0	13, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Ligusticum mutellina</i>		45.0	13, 17EB, 19AC, 20, 20CA, 20CB, 20DA, 30, 30AA, 30AB, 30BA, 45, 47AA
<i>Vaccinium vitis-idaea</i>		44.0	08, 08AA, 13, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Carex sempervirens</i>	Dm	44.0	06, 06AB, 06AC, 13, 20CE, 42, 42AA, 42AB
<i>Vaccinium myrtillus</i>		43.0	08, 13, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Avenella flexuosa</i>		43.0	13, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB

Dominant species (6)

<i>Juncus trifidus</i>	Dg, C	16.0	13
<i>Cetraria islandica</i>	Dg, C	12.0	13, 30BA, 42AB, 45, 45AA, 45AB
<i>Agrostis rupestris</i>	Dg, C	11.0	13
<i>Oreochloa disticha</i>	Dg, C	8.0	13
<i>Carex sempervirens</i>	C	7.0	06, 06AB, 06AC, 13
<i>Salix herbacea</i>		4.0	13, 30, 30AA

Class 14 Koelerio-Corynephoretea**Subatlantic grasslands with *Corynephorus canescens* on open-sands**

No. of relevés: 64

Diagnostic species (13)

<i>Corynephorus canescens</i>	C, Dm	63.6	09, 09AA, 14AA, 48AC
<i>Thymus serpyllum</i>	C	45.1	09, 09AA, 14AA, 48AC
<i>Veronica dillenii</i>	C	44.5	14AA, 34AA
<i>Plantago arenaria</i>		33.0	09, 33EB
<i>Helichrysum arenarium</i>		30.3	09, 09AA, 14AA
<i>Anthemis ruthenica</i>		28.9	
<i>Cynodon dactylon</i>	C	28.6	09, 09AA, 33EC
<i>Erysimum diffusum</i>		27.9	14BA
<i>Teesdalia nudicaulis</i>	Dm	27.7	14AA
<i>Eryngium campestre</i>	C	25.9	09
<i>Coryza canadensis</i>	C	25.5	09, 33EB
<i>Equisetum ramosissimum</i>		25.4	09
<i>Bassia laniflora</i>		25.4	

Constant species (9)

<i>Corynephorus canescens</i>	Dg, Dm	78.0	09, 09AA, 14AA, 48AC
<i>Thymus serpyllum</i>	Dg	61.0	09, 09AA, 14AA, 48AC
<i>Coryza canadensis</i>	Dg	39.0	09, 09AA, 33EA, 33EB, 33EC
<i>Rumex acetosella</i>		38.0	03CB, 09, 10CA, 33AB, 34AA, 36DA, 48, 48AA, 50, 50AB
<i>Veronica dillenii</i>	Dg	36.0	
<i>Eryngium campestre</i>	Dg	36.0	09, 09AA, 10AA, 10AB
<i>Cynodon dactylon</i>	Dg	33.0	09, 09AA, 33EC
<i>Euphorbia cyparissias</i>		28.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 27AA, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Carex hirta</i>		27.0	09, 11AA, 17CD, 48AC

Dominant species (5)

<i>Corynephorus canescens</i>	Dg, C	20.0	14AA
<i>Bromus tectorum</i>		5.0	02AC, 14BA, 29AA, 33DA
<i>Teesdalia nudicaulis</i>	Dg	3.0	14AA
<i>Sedum rupestre</i>		3.0	14BA
<i>Ceratodon purpureus</i>		3.0	14AA

Alliance 14AA *Corynephorion canescentis***Subatlantic grasslands on calcium-less open sands**

No. of relevés: 59

Diagnostic species (5)

<i>Corynephorus canescens</i>	C, Dm	55.9	09, 09AA, 14, 48AC
<i>Thymus serpyllum</i>	C	39.7	09, 09AA, 14, 48AC
<i>Helichrysum arenarium</i>		31.7	09, 09AA, 14
<i>Veronica dillenii</i>		29.8	14, 34AA
<i>Teesdalia nudicaulis</i>	Dm	29.0	14

Constant species (2)

<i>Corynephorus canescens</i>	Dg, Dm	85.0	09, 09AA, 14, 48AC
<i>Thymus serpyllum</i>	Dg	66.0	09, 09AA, 14, 48AC

Dominant species (3)

<i>Corynephorus canescens</i>	Dg, C	22.0	14
<i>Teesdalia nudicaulis</i>	Dg	3.0	14
<i>Ceratodon purpureus</i>		3.0	14

Alliance 14BA *Koelerion arenariae***Subatlantic basiphilous grasslands on open sands**

No. of relevés: 5

Diagnostic species (9)

<i>Sedum rupestre</i>	Dm	62.8	
<i>Tortula intermedia</i>		54.0	
<i>Erysimum diffusum</i>	C	52.8	14
<i>Ambrosia artemisiifolia</i>		43.5	
<i>Trifolium diffusum</i>		41.3	
<i>Polygonum arenarium</i>		39.0	
<i>Silene conica</i>		34.8	
<i>Artemisia absinthium</i>		31.4	02AA
<i>Chondrilla juncea</i>		25.6	

Constant species (1)

<i>Erysimum diffusum</i>	Dg	60.0	
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Dominant species (2)

<i>Sedum rupestre</i>	Dg	40.0	14
<i>Bromus tectorum</i>		40.0	02AC, 14, 29AA, 33DA

Class 15 *Lemnetea***Communities of floating pleustophytes on eutrophic to mesotrophic still waters**

No. of relevés: 354

Diagnostic species (10)

<i>Lemna minor</i>	C, Dm	57.6	15AA, 15BA, 15CA
<i>Hydrocharis morsus-ranae</i>	C, Dm	50.5	15CA
<i>Lemna trisulca</i>	C, Dm	49.8	15BA, 15CA
<i>Spirodela polyrhiza</i>	C, Dm	48.6	15AA
<i>Ceratophyllum demersum</i>	C, Dm	38.4	15CA, 24, 24AA, 24AB
<i>Salvinia natans</i>	Dm	38.0	15CA
<i>Stratiotes aloides</i>	Dm	36.0	15CA
<i>Utricularia vulgaris</i> agg.	Dm	31.8	15BA
<i>Riccia fluitans</i>	Dm	29.2	15BA
<i>Lemna gibba</i>	Dm	28.4	15AA

Constant species (5)

<i>Lemna minor</i>	Dg, Dm	76.0	15AA, 15BA, 15CA, 24, 41
<i>Spirodela polyrhiza</i>	Dg, Dm	37.0	15AA
<i>Lemna trisulca</i>	Dg, Dm	37.0	15CA
<i>Ceratophyllum demersum</i>	Dg, Dm	36.0	15CA, 24, 24AA, 24AB
<i>Hydrocharis morsus-ranae</i>	Dg, Dm	34.0	15CA

Dominant species (10)

<i>Lemna minor</i>	Dg, C	26.0	15AA, 15BA
<i>Ceratophyllum demersum</i>	Dg, C	17.0	15CA
<i>Stratiotes aloides</i>	Dg	9.0	15CA
<i>Spirodela polyrhiza</i>	Dg, C	7.0	15AA
<i>Hydrocharis morsus-ranae</i>	Dg, C	7.0	15CA
<i>Utricularia vulgaris</i> agg.	Dg	6.0	15BA, 16, 16BB
<i>Lemna trisulca</i>	Dg, C	6.0	15AA, 15BA, 15CA
<i>Lemna gibba</i>	Dg	5.0	15AA
<i>Salvinia natans</i>	Dg	3.0	15AA
<i>Riccia fluitans</i>	Dg	3.0	15AA

Alliance 15AA *Lemnion minoris***Pleustonic vegetation of eutrophic waters with species from *Lemnaceae***

No. of relevés: 175

Diagnostic species (3)

<i>Lemna minor</i>	C, Dm	38.2	15, 15BA, 15CA
<i>Spirodela polyrhiza</i>	C, Dm	32.7	15
<i>Lemna gibba</i>	Dm	30.2	15

Constant species (2)

<i>Lemna minor</i>	Dg, Dm	92.0	15, 15BA, 15CA, 24, 41
<i>Spirodela polyrhiza</i>	Dg, Dm	47.0	15

Dominant species (7)

<i>Lemna minor</i>	Dg, C	49.0	15, 15BA
<i>Spirodela polyrhiza</i>	Dg, C	14.0	15
<i>Lemna trisulca</i>		9.0	15, 15BA, 15CA
<i>Lemna gibba</i>	Dg	9.0	15
<i>Riccia fluitans</i>		6.0	15
<i>Salvinia natans</i>		4.0	15
<i>Azolla filiculoides</i>		3.0	

Alliance 15BA *Utricularion vulgaris***Free-floating submerse communities of carnivorous plants**

No. of relevés: 28

Diagnostic species (4)

<i>Utricularia vulgaris</i> agg.	C, Dm	75.3	15
<i>Riccia fluitans</i>		26.4	15
<i>Lemna minor</i>	C, Dm	26.3	15, 15AA, 15CA
<i>Lemna trisulca</i>	Dm	25.3	15, 15CA

Constant species (2)

<i>Utricularia vulgaris</i> agg.	Dg, Dm	100.0	
<i>Lemna minor</i>	Dg, Dm	64.0	15, 15AA, 15CA, 24, 41

Dominant species (4)

<i>Utricularia vulgaris</i> agg.	Dg, C	68.0	15, 16, 16BB
<i>Lemna trisulca</i>	Dg	7.0	15, 15AA, 15CA
<i>Lemna minor</i>	Dg, C	7.0	15, 15AA
<i>Chara foetida</i>		4.0	24BA

Alliance 15CA *Hydrocharition morsus-ranae***Free-floating aquatic macrophyte vegetation**

No. of relevés: 151

Diagnostic species (6)

<i>Hydrocharis morsus-ranae</i>	C, Dm	56.3	15
<i>Stratiotes aloides</i>	Dm	51.2	15
<i>Salvinia natans</i>		44.8	15
<i>Lemna trisulca</i>	C, Dm	32.6	15, 15BA
<i>Ceratophyllum demersum</i>	C, Dm	32.6	15, 24, 24AA, 24AB
<i>Lemna minor</i>	C	24.2	15, 15AA, 15BA

Constant species (4)

<i>Hydrocharis morsus-ranae</i>	Dg, Dm	64.0	15
<i>Lemna minor</i>	Dg	60.0	15, 15AA, 15BA, 24, 41
<i>Ceratophyllum demersum</i>	Dg, Dm	56.0	15, 24, 24AA, 24AB
<i>Lemna trisulca</i>	Dg, Dm	46.0	15

Dominant species (5)

<i>Ceratophyllum demersum</i>	Dg, C	37.0	15
<i>Stratiotes aloides</i>	Dg	22.0	15
<i>Hydrocharis morsus-ranae</i>	Dg, C	17.0	15

<i>Ceratophyllum submersum</i>		5.0	
<i>Lemna trisulca</i>	Dg, C	3.0	15, 15AA, 15BA

Class 16 *Isoeto-Littorelletea***Waterside vegetation of perennial amphibious herbs in shallow waters**

No. of relevés: 27

Diagnostic species (8)

<i>Sparganium natans</i>	C, Dm	66.0	16BB
<i>Potamogeton natans</i>	C	51.3	16BB
<i>Menyanthes trifoliata</i>	C	45.9	16BB, 32CB
<i>Equisetum fluviatile</i>	C, Dm	44.6	16BB, 32CB
<i>Eleocharis quinqueflora</i>		33.0	16BA
<i>Sparganium angustifolium</i>	Dm	32.9	16AA
<i>Eleocharis acicularis</i>	Dm	28.4	12, 16AC
<i>Drepanocladus cossonii</i>		27.2	16BA

Constant species (4)

<i>Equisetum fluviatile</i>	Dg, Dm	52.0	16BA, 16BB, 32CB
<i>Sparganium natans</i>	Dg, Dm	44.0	16BB
<i>Menyanthes trifoliata</i>	Dg	41.0	16BB, 32CB
<i>Potamogeton natans</i>	Dg	37.0	16BB

Dominant species (11)

<i>Sparganium angustifolium</i>	Dg	11.0	16AA
<i>Eleocharis acicularis</i>	Dg	11.0	12, 12AD, 16AC
<i>Utricularia vulgaris</i> agg.		4.0	15, 15BA, 16BB
<i>Utricularia minor</i>		4.0	16BB
<i>Sphagnum recurvum</i> agg.		4.0	16BA, 18, 18AA, 32, 32BB, 32BE, 32CD, 40, 40AB, 49, 49AB
<i>Sparganium natans</i>	Dg, C	4.0	16BB
<i>Scorpidium scorpioides</i>		4.0	16BA
<i>Potamogeton lucens</i>		4.0	16BB, 24, 24AB
<i>Marsilea quadrifolia</i>		4.0	12AD, 16AC
<i>Limosella aquatica</i>		4.0	12AD, 16AC
<i>Equisetum fluviatile</i>	Dg, C	4.0	16BB

Alliance 16AA *Littorellion uniflorae***Subatlantic waterside vegetation in shallow waters with fluctuating water level**

No. of relevés: 3

Diagnostic species (1)

<i>Sparganium angustifolium</i>	C, Dm	100.0	16
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Constant species (1)

<i>Sparganium angustifolium</i>	Dg, Dm	100.0	
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Dominant species (1)

<i>Sparganium angustifolium</i>	Dg, C	100.0	16
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Alliance 16AC *Eleocharition acicularis***Continental waterside vegetation in shallow waters with fluctuating water level**

No. of relevés: 6

Diagnostic species (2)

<i>Eleocharis acicularis</i>	C, Dm	67.2	12, 16
<i>Limosella aquatica</i>	Dm	33.2	12, 12AD

Constant species (2)

<i>Eleocharis acicularis</i>	Dg, Dm	83.0	
<i>Eleocharis palustris</i> agg.		50.0	

Dominant species (3)

<i>Eleocharis acicularis</i>	Dg, C	50.0	12, 12AD, 16
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<i>Marsilea quadrifolia</i>		17.0	12AD, 16
<i>Limosella aquatica</i>	Dg	17.0	12AD, 16

Alliance 16BA *Scorpidio-Utricularion minoris*

Free-floating vegetation of moor sinks with moderately acid to neutral water

No. of relevés: 3

Diagnostic species (8)

<i>Eleocharis quinqueflora</i>	C	54.3	16
<i>Drepanocladus cossonii</i>	C	52.3	16
<i>Triglochin palustris</i>	C	43.5	32
<i>Bryum pseudotriquetrum</i>	C	40.3	19, 19AE, 32
<i>Eriophorum angustifolium</i>	C	38.9	32, 32AG, 32CC, 32CD
<i>Pinguicula vulgaris</i>	C	38.6	11AB, 32
<i>Carex nigra</i>	C	31.7	18, 32, 32CA, 32CD
<i>Vaccinium oxycoccos</i>	C	30.2	18, 18AA, 40, 40AB, 49

Constant species (19)

<i>Eriophorum angustifolium</i>	Dg	100.0	32, 32AG, 32BB, 32CA, 32CB, 32CC, 32CD
<i>Carex nigra</i>	Dg	100.0	18, 18AA, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 40, 40AB, 49
<i>Bryum pseudotriquetrum</i>	Dg	100.0	19, 19AC, 19AE, 19BB, 32, 32AB, 32AG, 32CB
<i>Triglochin palustris</i>	Dg	67.0	
<i>Potentilla erecta</i>		67.0	17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Plagiomnium affine</i> agg.		67.0	17BF, 32, 32AB, 32AG
<i>Pinguicula vulgaris</i>	Dg	67.0	11AB
<i>Vaccinium oxycoccos</i>	Dg	67.0	18, 18AA, 32BB, 32CD, 40, 40AB, 49, 49AB
<i>Eriophorum latifolium</i>		67.0	19BB, 32, 32AB, 32CC
<i>Equisetum fluviatile</i>		67.0	16, 16BB, 32CB
<i>Eleocharis quinqueflora</i>	Dg	67.0	
<i>Drepanocladus cossonii</i>	Dg	67.0	
<i>Dactylorhiza majalis</i>		67.0	32, 32AG
<i>Carex rostrata</i>		67.0	17BF, 18, 18AA, 32, 32BE, 32CB
<i>Carex panicea</i>		67.0	17BA, 17BC, 19BB, 32, 32AB, 32AG, 32BB, 32CA, 32CB, 32CC
<i>Carex flava</i> agg.		67.0	19BB, 32, 32AB, 32CA, 32CC
<i>Campylium stellatum</i> agg.		67.0	32, 32AB, 32CB
<i>Caltha palustris</i>		67.0	01, 01BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CA, 32CC
<i>Calliergonella cuspidata</i>		67.0	32, 32AG
Dominant species (2)			
<i>Sphagnum recurvum</i> agg.		33.0	16, 18, 18AA, 32, 32BB, 32BE, 32CD, 40, 40AB, 49, 49AB
<i>Scorpidium scorpioides</i>		33.0	16

Alliance 16BB *Sphagno-Utricularion minoris***Free-floating vegetation of bog lakes on calcium-free bedrock**

No. of relevés: 15

Diagnostic species (4)

<i>Sparganium natans</i>	C, Dm	88.2	16
<i>Potamogeton natans</i>	C	61.5	16
<i>Menyanthes trifoliata</i>	C	38.8	16, 32CB
<i>Equisetum fluviatile</i>	C, Dm	37.4	16, 32CB

Constant species (4)

<i>Sparganium natans</i>	Dg, Dm	80.0	16
<i>Equisetum fluviatile</i>	Dg, Dm	80.0	16, 16BA, 32CB
<i>Potamogeton natans</i>	Dg	67.0	16
<i>Menyanthes trifoliata</i>	Dg	67.0	16, 32CB

Dominant species (5)

<i>Utricularia vulgaris</i> agg.		7.0	15, 15BA, 16
<i>Utricularia minor</i>		7.0	16
<i>Sparganium natans</i>	Dg, C	7.0	16
<i>Potamogeton lucens</i>		7.0	16, 24, 24AB
<i>Equisetum fluviatile</i>	Dg, C	7.0	16

Class 17 *Molinio-Arrhenatheretea***Meadows and eutrophic mesophilous pastures**

No. of relevés: 7360

Diagnostic species (21)

<i>Rumex acetosa</i>	C	41.7	
<i>Festuca pratensis</i>	C	41.2	
<i>Ranunculus acris</i>	C	39.9	32
<i>Trifolium pratense</i> * <i>pratense</i>	C	39.2	17AA
<i>Campanula patula</i>	C	35.8	17AA
<i>Rhinanthus minor</i>	C	33.5	
<i>Trisetum flavescens</i>	C	33.2	10BA, 17AA, 17EA
<i>Festuca rubra</i> agg.	C	32.5	47
<i>Stellaria graminea</i>	C	31.9	
<i>Cynosurus cristatus</i>		30.5	17AB
<i>Trifolium repens</i>	C	30.4	
<i>Cerastium fontanum</i> agg.	C	30.0	
<i>Leontodon hispidus</i>	C	29.7	
<i>Lychnis flos-cuculi</i>	C	29.4	17BB, 17BE, 32
<i>Alopecurus pratensis</i>	C, Dm	29.4	17BB, 17BE
<i>Carum carvi</i>		29.1	
<i>Briza media</i>	C	27.7	32
<i>Luzula campestris</i> agg.	C	27.1	47
<i>Colchicum autumnale</i>		26.4	
<i>Plantago lanceolata</i>	C	25.7	
<i>Leucanthemum vulgare</i> agg.	C	25.7	

Constant species (36)

<i>Achillea millefolium</i> agg.		61.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Ranunculus acris</i>	Dg	60.0	17AA, 17AB, 17BA, 17BB, 17BC, 17BD, 17BE, 17EA, 17EC, 32, 32AB, 32CA, 47AC

<i>Trifolium pratense</i> *pratense	Dg	54.0	10BA, 10BB, 17AA, 17AB, 17BB, 17BD, 17EA, 17EB, 17EC
<i>Rumex acetosa</i>	Dg	51.0	17AA, 17AB, 17BA, 17BB, 17EA, 37BB
<i>Plantago lanceolata</i>	Dg	50.0	02, 02AA, 02AB, 10, 10BA, 10BB, 10CA, 11CA, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Anthoxanthum odoratum</i> agg.		50.0	06AC, 10BB, 10CA, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Trifolium repens</i>	Dg	48.0	17AA, 17AB, 17BE, 17CA, 17DA, 17EA, 17EB, 17EC, 23
<i>Festuca rubra</i> agg.	Dg	48.0	17AA, 17AB, 17BA, 17BC, 17EA, 32, 32AG, 47, 47AB, 47AC
<i>Lotus corniculatus</i>		46.0	06, 06AC, 10, 10BA, 10BB, 11CA, 12AB, 17AA, 17AB, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Leucanthemum vulgare</i> agg.	Dg	46.0	06, 08, 10BA, 10BB, 17AA, 17AB, 17BD, 17EA, 20CD, 46
<i>Festuca pratensis</i>	Dg	46.0	10BB, 17AA, 17AB, 17BB, 17BD, 17EA
<i>Poa pratensis</i> agg.		45.0	02AA, 10BA, 10BB, 10CA, 17AA, 17BB, 17BC, 17BD, 17BE, 27AB, 37, 43AD
<i>Alchemilla</i> spec. div.		45.0	06AC, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Veronica chamaedrys</i> agg.		43.0	10BA, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Taraxacum</i> sect. <i>Ruderalia</i>		43.0	02, 11CA, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Briza media</i>	Dg	42.0	10BA, 10BB, 17AA, 17AB, 17BC, 17EA, 32, 32AB, 32AG, 32CC, 48AC
<i>Agrostis capillaris</i>		41.0	07, 07AA, 10BB, 10CA, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Dactylis glomerata</i>		40.0	10BA, 10BB, 17AA, 17EA, 20EA, 31AA, 43, 43AC
<i>Leontodon hispidus</i>	Dg	39.0	10BA, 10BB, 17AA, 17AB, 17EA, 20CE
<i>Cruciata glabra</i>		37.0	10BA, 10BB, 17AA, 17AB, 17EA, 20CC, 25, 25AA, 27AB, 47, 47AC
<i>Cerastium fontanum</i> agg.	Dg	37.0	17AA, 17AB, 17BD, 17DA, 17EB
<i>Luzula campestris</i> agg.	Dg	36.0	17AA, 17AB, 17EA, 47, 47AB, 47AC
<i>Prunella vulgaris</i>		33.0	17AB, 17BC, 17DA, 32, 32AB, 50, 50AB
<i>Campanula patula</i>	Dg	33.0	17AA, 17AB, 17EA
<i>Stellaria graminea</i>	Dg	31.0	17EA
<i>Vicia cracca</i> agg.		30.0	10BA, 10BB, 17AA, 17BE, 17EA, 46, 46AA
<i>Potentilla erecta</i>		30.0	16BA, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB

<i>Pimpinella saxifraga</i>		29.0	10, 10BA, 10BB, 17AA, 17AB, 27AA, 37AB, 50
<i>Ranunculus repens</i>		28.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Plantago media</i>		28.0	10, 10BA, 10BB, 17AA, 17AB
<i>Lathyrus pratensis</i>		28.0	17BA
<i>Rhinanthus minor</i>	Dg	27.0	17AA
<i>Lychnis flos-cuculi</i>	Dg	27.0	17BA, 17BB, 17BD, 17BE, 32CA
<i>Deschampsia cespitosa</i>		27.0	01, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Alopecurus pratensis</i>	Dg, Dm	27.0	17BB, 17BE
<i>Trisetum flavescens</i>	Dg	26.0	10BA, 17AA, 17EA

Dominant species (0)**Alliance 17AA *Arrhenatherion elatioris*****Tall-grass mesophilous one or twice mown meadows**

No. of relevés: 1810

Diagnostic species (4)

<i>Trisetum flavescens</i>	C	33.8	10BA, 17, 17EA
<i>Campanula patula</i>	C	29.1	17
<i>Crepis biennis</i>		26.4	
<i>Trifolium pratense *pratense</i>	C	24.3	17

Constant species (29)

<i>Achillea millefolium</i> agg.		85.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Trifolium pratense *pratense</i>	Dg	82.0	10BA, 10BB, 17, 17AB, 17BB, 17BD, 17EA, 17EB, 17EC
<i>Plantago lanceolata</i>		76.0	02, 02AA, 02AB, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AB, 17BC, 17BD, 17EA, 48AC, 50
<i>Dactylis glomerata</i>		76.0	10BA, 10BB, 17, 17EA, 20EA, 31AA, 43, 43AC
<i>Leucanthemum vulgare</i> agg.		75.0	06, 08, 10BA, 10BB, 17, 17AB, 17BD, 17EA, 20CD, 46
<i>Rumex acetosa</i>		71.0	17, 17AB, 17BA, 17BB, 17EA, 37BB
<i>Taraxacum</i> sect. <i>Ruderalia</i>		69.0	02, 11CA, 17, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Poa pratensis</i> agg.		69.0	02AA, 10BA, 10BB, 10CA, 17, 17BB, 17BC, 17BD, 17BE, 27AB, 37, 43AD
<i>Veronica chamaedrys</i> agg.		67.0	10BA, 17, 17AB, 17EA, 17EB, 25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Ranunculus acris</i>		67.0	17, 17AB, 17BA, 17BB, 17BC, 17BD, 17BE, 17EA, 17EC, 32, 32AB, 32CA, 47AC

<i>Lotus corniculatus</i>		66.0	06, 06AC, 10, 10BA, 10BB, 11CA, 12AB, 17, 17AB, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Festuca pratensis</i>	Dm	66.0	10BB, 17, 17AB, 17BB, 17BD, 17EA
<i>Trifolium repens</i>		65.0	17, 17AB, 17BE, 17CA, 17DA, 17EA, 17EB, 17EC, 23
<i>Arrhenatherum elatius</i>	Dm	64.0	10BA, 10BB, 10CA
<i>Trisetum flavescens</i>	Dg	62.0	10BA, 17, 17EA
<i>Leontodon hispidus</i>		62.0	10BA, 10BB, 17, 17AB, 17EA, 20CE
<i>Anthoxanthum odoratum</i> agg.		62.0	06AC, 10BB, 10CA, 17, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Campanula patula</i>	Dg	59.0	17, 17AB, 17EA
<i>Cerastium fontanum</i> agg.		54.0	17, 17AB, 17BD, 17DA, 17EB
<i>Festuca rubra</i> agg.		53.0	17, 17AB, 17BA, 17BC, 17EA, 32, 32AG, 47, 47AB, 47AC
<i>Vicia cracca</i> agg.		48.0	10BA, 10BB, 17, 17BE, 17EA, 46, 46AA
<i>Briza media</i>		48.0	10BA, 10BB, 17, 17AB, 17BC, 17EA, 32, 32AB, 32AG, 32CC, 48AC
<i>Alchemilla</i> spec. div.		48.0	06AC, 17, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Pimpinella saxifraga</i>		47.0	10, 10BA, 10BB, 17, 17AB, 27AA, 37AB, 50
<i>Galium mollugo</i> agg.		46.0	25, 25AA, 27AA, 28, 28AA, 28AC, 31AA, 36, 36CA, 36CB, 36CC, 37
<i>Luzula campestris</i> agg.		45.0	17, 17AB, 17EA, 47, 47AB, 47AC
<i>Rhinanthus minor</i>		44.0	17
<i>Plantago media</i>		44.0	10, 10BA, 10BB, 17, 17AB
<i>Cruciata glabra</i>		44.0	10BA, 10BB, 17, 17AB, 17EA, 20CC, 25, 25AA, 27AB, 47, 47AC
Dominant species (1)			
<i>Arrhenatherum elatius</i>	C	5.0	29AA

Alliance 17AB *Cynosurion cristati*

Short-grass mesophilous mown and/or grazed meadows and pastures

No. of relevés: 1866

Diagnostic species (2)

<i>Cynosurus cristatus</i>		27.5	17
<i>Thymus pulegioides</i>	C	24.1	50

Constant species (28)

<i>Achillea millefolium</i> agg.		80.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Plantago lanceolata</i>		75.0	02, 02AA, 02AB, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17BC, 17BD, 17EA, 48AC, 50
<i>Agrostis capillaris</i>		74.0	07, 07AA, 10BB, 10CA, 17, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB

<i>Trifolium repens</i>		72.0	17, 17AA, 17BE, 17CA, 17DA, 17EA, 17EB, 17EC, 23
<i>Trifolium pratense</i> * <i>pratense</i>		70.0	10BA, 10BB, 17, 17AA, 17BB, 17BD, 17EA, 17EB, 17EC
<i>Lotus corniculatus</i>		69.0	06, 06AC, 10, 10BA, 10BB, 11CA, 12AB, 17, 17AA, 17BE, 17EA, 20CD, 47AC, 48AC
<i>Anthoxanthum odoratum</i> agg.		66.0	06AC, 10BB, 10CA, 17, 17AA, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Festuca rubra</i> agg.		65.0	17, 17AA, 17BA, 17BC, 17EA, 32, 32AG, 47, 47AB, 47AC
<i>Leontodon hispidus</i>		58.0	10BA, 10BB, 17, 17AA, 17EA, 20CE
<i>Alchemilla</i> spec. div.		58.0	06AC, 17, 17AA, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Leucanthemum vulgare</i> agg.		57.0	06, 08, 10BA, 10BB, 17, 17AA, 17BD, 17EA, 20CD, 46
<i>Briza media</i>		57.0	10BA, 10BB, 17, 17AA, 17BC, 17EA, 32, 32AB, 32AG, 32CC, 48AC
<i>Thymus pulegioides</i>	Dg	54.0	10BA, 10BB, 50
<i>Pimpinella saxifraga</i>		54.0	10, 10BA, 10BB, 17, 17AA, 27AA, 37AB, 50
<i>Veronica chamaedrys</i> agg.		52.0	10BA, 17, 17AA, 17EA, 17EB, 25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Ranunculus acris</i>		52.0	17, 17AA, 17BA, 17BB, 17BC, 17BD, 17BE, 17EA, 17EC, 32, 32AB, 32CA, 47AC
<i>Plantago media</i>		51.0	10, 10BA, 10BB, 17, 17AA
<i>Prunella vulgaris</i>		49.0	17, 17BC, 17DA, 32, 32AB, 50, 50AB
<i>Luzula campestris</i> agg.		48.0	17, 17AA, 17EA, 47, 47AB, 47AC
<i>Cruciata glabra</i>		48.0	10BA, 10BB, 17, 17AA, 17EA, 20CC, 25, 25AA, 27AB, 47, 47AC
<i>Campanula patula</i>		47.0	17, 17AA, 17EA
<i>Taraxacum</i> sect. <i>Ruderalia</i>		45.0	02, 11CA, 17, 17AA, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Potentilla erecta</i>		45.0	16BA, 17, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Cerastium fontanum</i> agg.		44.0	17, 17AA, 17BD, 17DA, 17EB
<i>Rumex acetosa</i>		43.0	17, 17AA, 17BA, 17BB, 17EA, 37BB
<i>Viola canina</i>		41.0	47AC
<i>Nardus stricta</i>	Dm	41.0	47, 47AA, 47AB, 47AC, 48, 48AC, 48AD
<i>Festuca pratensis</i>		41.0	10BB, 17, 17AA, 17BB, 17BD, 17EA
Dominant species (2)			
<i>Nardus stricta</i>	C	4.0	47, 47AA, 47AB, 47AC, 48AC
<i>Lolium perenne</i>		3.0	

Alliance 17BA *Calthion palustris***Tall-herb permanently wet eutrophic meadows**

No. of relevés: 1580

Diagnostic species (2)

<i>Cirsium rivulare</i>	C, Dm	29.2	32
<i>Scirpus sylvaticus</i>	C, Dm	26.2	

Constant species (16)

<i>Myosotis scorpioides</i> agg.		70.0	01, 17BF, 17CD, 19BC, 20EA, 31, 31AA, 31AB, 32, 32CA
<i>Ranunculus acris</i>		65.0	17, 17AA, 17AB, 17BB, 17BC, 17BD, 17BE, 17EA, 17EC, 32, 32AB, 32CA, 47AC
<i>Caltha palustris</i>	Dm	60.0	01, 01BA, 16BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CA, 32CC
<i>Lathyrus pratensis</i>		59.0	17
<i>Rumex acetosa</i>		57.0	17, 17AA, 17AB, 17BB, 17EA, 37BB
<i>Filipendula ulmaria</i>	Dm	56.0	01, 17BF, 31AA, 32, 32AB, 32AG, 32CA
<i>Scirpus sylvaticus</i>	Dg, Dm	55.0	
<i>Lychnis flos-cuculi</i>		55.0	17, 17BB, 17BD, 17BE, 32CA
<i>Cirsium rivulare</i>	Dg, Dm	53.0	32, 32AB
<i>Poa trivialis</i>		51.0	20EA, 31AA, 43, 43AC, 43AD
<i>Deschampsia cespitosa</i>		51.0	01, 17, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Equisetum palustre</i>		49.0	19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC
<i>Festuca rubra</i> agg.		46.0	17, 17AA, 17AB, 17BC, 17EA, 32, 32AG, 47, 47AB, 47AC
<i>Carex panicea</i>		46.0	16BA, 17BC, 19BB, 32, 32AB, 32AG, 32BB, 32CA, 32CB, 32CC
<i>Ranunculus repens</i>		42.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Potentilla erecta</i>		41.0	16BA, 17, 17AB, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB

Dominant species (6)

<i>Scirpus sylvaticus</i>	Dg, C	11.0	
<i>Filipendula ulmaria</i>	C	6.0	01AA, 17BF
<i>Mentha longifolia</i>		4.0	11, 11AA
<i>Cirsium rivulare</i>	Dg, C	4.0	
<i>Carex paniculata</i>		3.0	22EA
<i>Caltha palustris</i>	C	3.0	01, 01BA, 19, 19AA, 19BC

Alliance 17BB *Alopecurion pratensis***Alluvial *Alopecurus* meadows**

No. of relevés: 348

Diagnostic species (3)

<i>Alopecurus pratensis</i>	C, Dm	41.0	17, 17BE
<i>Lychnis flos-cuculi</i>	C	26.6	17, 17BE, 32
<i>Trifolium hybridum</i>		25.3	17BE

Constant species (13)

<i>Alopecurus pratensis</i>	Dg, Dm	98.0	17, 17BE
<i>Ranunculus acris</i>		73.0	17, 17AA, 17AB, 17BA, 17BC, 17BD, 17BE, 17EA, 17EC, 32, 32AB, 32CA, 47AC
<i>Taraxacum</i> sect. <i>Ruderalia</i>		70.0	02, 11CA, 17, 17AA, 17AB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Ranunculus repens</i>		68.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Poa pratensis</i> agg.		67.0	02AA, 10BA, 10BB, 10CA, 17, 17AA, 17BC, 17BD, 17BE, 27AB, 37, 43AD
<i>Rumex acetosa</i>		66.0	17, 17AA, 17AB, 17BA, 17EA, 37BB
<i>Festuca pratensis</i>		64.0	10BB, 17, 17AA, 17AB, 17BD, 17EA
<i>Lychnis flos-cuculi</i>	Dg	62.0	17, 17BA, 17BD, 17BE, 32CA
<i>Trifolium pratense</i> * <i>pratense</i>		55.0	10BA, 10BB, 17, 17AA, 17AB, 17BD, 17EA, 17EB, 17EC
<i>Lysimachia nummularia</i>		54.0	17BE, 31, 31AC
<i>Achillea millefolium</i> agg.		50.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Cardamine pratensis</i> agg.		48.0	17BE, 46
<i>Agrostis stolonifera</i>	Dm	45.0	04, 04AA, 11, 11AA, 11AB, 11AC, 12, 12AB, 17BE, 17CA, 17DA, 31AA

Dominant species (2)

<i>Alopecurus pratensis</i>	Dg, C	32.0	17BE
<i>Agrostis stolonifera</i>	C	3.0	11AA, 17BE, 17CA, 22CA

Alliance 17BC *Molinion***Intermittently wet *Molinia* meadows with strongly fluctuating underground water level**

No. of relevés: 364

Diagnostic species (12)

<i>Galium boreale</i>	C	43.2	17BE
<i>Serratula tinctoria</i>	C	37.6	17BE
<i>Succisa pratensis</i>	C	36.6	32
<i>Molinia caerulea</i> agg.	C, Dm	36.2	18
<i>Carex buxbaumii</i> agg.		34.3	
<i>Sanguisorba officinalis</i>	C	34.0	
<i>Salix rosmarinifolia</i> agg.		32.7	
<i>Gladiolus palustris</i>		27.8	
<i>Gentiana pneumonanthe</i>		26.8	
<i>Tetragonolobus maritimus</i>		25.9	
<i>Laserpitium prutenicum</i>		24.7	
<i>Dianthus superbus</i>		24.7	

Constant species (19)

<i>Molinia caerulea</i> agg.	Dg, Dm	81.0	18
<i>Ranunculus acris</i>		78.0	17, 17AA, 17AB, 17BA, 17BB, 17BD, 17BE, 17EA, 17EC, 32, 32AB, 32CA, 47AC

<i>Carex panicea</i>		72.0	16BA, 17BA, 19BB, 32, 32AB, 32AG, 32BB, 32CA, 32CB, 32CC
<i>Potentilla erecta</i>		68.0	16BA, 17, 17AB, 17BA, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Briza media</i>		68.0	10BA, 10BB, 17, 17AA, 17AB, 17EA, 32, 32AB, 32AG, 32CC, 48AC
<i>Succisa pratensis</i>	Dg	64.0	
<i>Sanguisorba officinalis</i>	Dg	59.0	
<i>Galium boreale</i>	Dg	58.0	
<i>Achillea millefolium</i> agg.		54.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Deschampsia caespitosa</i>		53.0	01, 17, 17BA, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Serratula tinctoria</i>	Dg	52.0	17BE
<i>Plantago lanceolata</i>		51.0	02, 02AA, 02AB, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BD, 17EA, 48AC, 50
<i>Prunella vulgaris</i>		49.0	17, 17AB, 17DA, 32, 32AB, 50, 50AB
<i>Anthoxanthum odoratum</i> agg.		48.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Centaurea jacea</i> agg.		47.0	11AB, 11CA, 50, 50AB
<i>Galium verum</i> agg.		46.0	10, 10BA, 10BB, 10CA, 37, 37AB, 50, 50AB
<i>Festuca rubra</i> agg.		45.0	17, 17AA, 17AB, 17BA, 17EA, 32, 32AG, 47, 47AB, 47AC
<i>Poa pratensis</i> agg.	Dm	41.0	02AA, 10BA, 10BB, 10CA, 17, 17AA, 17BB, 17BD, 17BE, 27AB, 37, 43AD
<i>Lysimachia vulgaris</i>		41.0	01, 01AA, 01BA, 17BF, 18, 18AA, 22, 22EA, 31, 31AB
Dominant species (1)			
<i>Molinia caerulea</i> agg.	Dg, C	12.0	01BA, 18, 18AA, 26, 26AA, 40AB

Alliance 17BD *Deschampsia caespitosa*

Extensive *Deschampsia* pastures and meadows on clayey soils in lowlands

No. of relevés: 141

Diagnostic species (1)

Cirsium canum 25.3

Constant species (12)

Deschampsia caespitosa Dm 100.0 01, 17, 17BA, 17BC, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC

Ranunculus acris 67.0 17, 17AA, 17AB, 17BA, 17BB, 17BC, 17BE, 17EA, 17EC, 32, 32AB, 32CA, 47AC

Achillea millefolium agg. 65.0 02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA,

			17AB, 17BB, 17BC, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Poa pratensis</i> agg.	50.0		02AA, 10BA, 10BB, 10CA, 17, 17AA, 17BB, 17BC, 17BE, 27AB, 37, 43AD
<i>Anthoxanthum odoratum</i> agg.	49.0		06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Ranunculus repens</i>	48.0		01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Trifolium pratense</i> * <i>pratense</i>	45.0		10BA, 10BB, 17, 17AA, 17AB, 17BB, 17EA, 17EB, 17EC
<i>Leucanthemum vulgare</i> agg.	45.0		06, 08, 10BA, 10BB, 17, 17AA, 17AB, 17EA, 20CD, 46
<i>Lychnis flos-cuculi</i>	44.0		17, 17BA, 17BB, 17BE, 32CA
<i>Cerastium fontanum</i> agg.	44.0		17, 17AA, 17AB, 17DA, 17EB
<i>Festuca pratensis</i>	43.0		10BB, 17, 17AA, 17AB, 17BB, 17EA
<i>Plantago lanceolata</i>	41.0		02, 02AA, 02AB, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BC, 17EA, 48AC, 50
Dominant species (1)			
<i>Deschampsia cespitosa</i>	C	38.0	17EA, 20, 20CB, 20CC, 47, 47AB

Alliance 17BE *Cnidion venosi***Continental alluvial meadows**

No. of relevés: 178

Diagnostic species (21)

<i>Carex praecox</i> agg.	C, Dm	51.8	
<i>Allium angulosum</i>		46.5	
<i>Gratiola officinalis</i>	C	43.5	
<i>Oenanthe silaifolia</i>		41.8	
<i>Carex melanostachya</i>		40.5	
<i>Viola pumila</i>		40.0	
<i>Alopecurus pratensis</i>	C, Dm	39.4	17, 17BB
<i>Clematis integrifolia</i>		38.0	
<i>Potentilla reptans</i>	C, Dm	36.8	
<i>Pseudolysimachion maritimum</i>		35.6	
<i>Scutellaria hastifolia</i>		34.9	
<i>Lythrum virgatum</i>	C	34.8	
<i>Carex vulpina</i> agg.	C	31.7	
<i>Serratula tinctoria</i>	C, Dm	30.8	17BC
<i>Trifolium hybridum</i>	C	29.5	17BB
<i>Inula britannica</i>		29.2	11
<i>Galium boreale</i>		29.0	17BC
<i>Lysimachia nummularia</i>	C	28.6	31
<i>Lychnis flos-cuculi</i>	C	28.1	17, 17BB, 32
<i>Cardamine pratensis</i> agg.	C	26.9	46
<i>Leucosium aestivum</i>		24.6	31, 31AC

Constant species (23)

<i>Alopecurus pratensis</i>	Dg, Dm	94.0	17, 17BB
<i>Ranunculus repens</i>		87.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17,

			17BA, 17BB, 17BD, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Potentilla reptans</i>	Dg, Dm	83.0	
<i>Lysimachia nummularia</i>	Dg	83.0	17BB, 31, 31AC
<i>Poa pratensis</i> agg.	Dm	79.0	02AA, 10BA, 10BB, 10CA, 17, 17AA, 17BB, 17BC, 17BD, 27AB, 37, 43AD
<i>Taraxacum</i> sect. <i>Ruderalia</i>		72.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Carex praecox</i> agg.	Dg, Dm	70.0	
<i>Lychnis flos-cuculi</i>	Dg	66.0	17, 17BA, 17BB, 17BD, 32CA
<i>Agrostis stolonifera</i>	Dm	66.0	04, 04AA, 11, 11AA, 11AB, 11AC, 12, 12AB, 17BB, 17CA, 17DA, 31AA
<i>Cardamine pratensis</i> agg.	Dg	63.0	17BB, 46
<i>Gratiola officinalis</i>	Dg	57.0	
<i>Rumex crispus</i>		53.0	17CA
<i>Carex vulpina</i> agg.	Dg	52.0	
<i>Vicia cracca</i> agg.		49.0	10BA, 10BB, 17, 17AA, 17EA, 46, 46AA
<i>Galium palustre</i> agg.		48.0	01, 01BA, 17BF, 22, 22EA, 31, 31AC, 32, 32CA, 32CB
<i>Lotus corniculatus</i>		45.0	06, 06AC, 10, 10BA, 10BB, 11CA, 12AB, 17, 17AA, 17AB, 17EA, 20CD, 47AC, 48AC
<i>Symphytum officinale</i> agg.		44.0	01, 31, 31AB, 31AC
<i>Trifolium hybridum</i>	Dg	43.0	
<i>Serratula tinctoria</i>	Dg, Dm	43.0	17BC
<i>Trifolium repens</i>		42.0	17, 17AA, 17AB, 17CA, 17DA, 17EA, 17EB, 17EC, 23
<i>Ranunculus auricomus</i> agg.		42.0	
<i>Ranunculus acris</i>		42.0	17, 17AA, 17AB, 17BA, 17BB, 17BC, 17BD, 17EA, 17EC, 32, 32AB, 32CA, 47AC
<i>Lythrum virgatum</i>	Dg	42.0	
Dominant species (4)			
<i>Alopecurus pratensis</i>	Dg, C	22.0	17BB
<i>Poa pratensis</i> agg.	C	4.0	
<i>Serratula tinctoria</i>	Dg, C	3.0	
<i>Agrostis stolonifera</i>	C	3.0	11AA, 17BB, 17CA, 22CA

Alliance 17BF *Veronico longifoliae-Lysimachion vulgaris*

Tall-forb vegetation on alluviums of rivers

No. of relevés: 5

Diagnostic species (12)

<i>Calliargon cordifolium</i>	C	58.8	
<i>Tephrosieris crispa</i>	C	53.5	
<i>Peucedanum palustre</i>	C	45.4	01
<i>Scutellaria galericulata</i>	C	37.9	01
<i>Thelypteris palustris</i>		34.5	01, 01BA
<i>Sphagnum teres</i>		32.7	
<i>Lysimachia vulgaris</i>	C, Dm	32.1	01
<i>Carex rostrata</i>	C	31.7	18, 32, 32CB
<i>Veratrum album</i>	C	31.1	20DA
<i>Poa palustris</i>	C	28.2	22BB, 31

<i>Filipendula ulmaria</i>	C, Dm	27.6	01, 32
<i>Crepis paludosa</i>	C	27.3	32AG
Constant species (13)			
<i>Lysimachia vulgaris</i>	Dg, Dm	100.0	01, 01AA, 01BA, 17BC, 18, 18AA, 22, 22EA, 31, 31AB
<i>Veratrum album</i>	Dg	80.0	20, 20CA, 20DA
<i>Myosotis scorpioides</i> agg.		80.0	01, 17BA, 17CD, 19BC, 20EA, 31, 31AA, 31AB, 32, 32CA
<i>Filipendula ulmaria</i>	Dg, Dm	80.0	01, 17BA, 31AA, 32, 32AB, 32AG, 32CA
<i>Crepis paludosa</i>	Dg	80.0	19AE, 32, 32AG, 32CC
<i>Carex rostrata</i>	Dg	80.0	16BA, 18, 18AA, 32, 32BE, 32CB
<i>Tephrosieris crispa</i>	Dg	60.0	
<i>Scutellaria galericulata</i>	Dg	60.0	
<i>Poa palustris</i>	Dg	60.0	22BB, 31
<i>Plagiomnium affine</i> agg.		60.0	16BA, 32, 32AB, 32AG
<i>Peucedanum palustre</i>	Dg	60.0	01
<i>Galium palustre</i> agg.		60.0	01, 01BA, 17BE, 22, 22EA, 31, 31AC, 32, 32CA, 32CB
<i>Calliargon cordifolium</i>	Dg	60.0	
Dominant species (3)			
<i>Euphorbia palustris</i>		20.0	
<i>Lysimachia vulgaris</i>	Dg, C	20.0	
<i>Filipendula ulmaria</i>	Dg, C	20.0	01AA, 17BA

Alliance 17CA *Potentillion anserinae***Trampled vegetation on wet irregularly inundated habitats**

No. of relevés: 313

Diagnostic species (0)**Constant species (8)**

<i>Agrostis stolonifera</i>	Dm	66.0	04, 04AA, 11, 11AA, 11AB, 11AC, 12, 12AB, 17BB, 17BE, 17DA, 31AA
<i>Ranunculus repens</i>	Dm	57.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Plantago major</i>		57.0	04, 17DA, 17EC, 23, 23AA, 23AB, 33AB, 33BB
<i>Potentilla anserina</i>	Dm	54.0	11, 11AA, 11AC
<i>Taraxacum</i> sect. <i>Ruderalia</i>		42.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Rorippa sylvestris</i>		42.0	
<i>Trifolium repens</i>		41.0	17, 17AA, 17AB, 17BE, 17DA, 17EA, 17EB, 17EC, 23
<i>Rumex crispus</i>		41.0	17BE
Dominant species (5)			
<i>Agrostis stolonifera</i>	C	27.0	11AA, 17BB, 17BE, 22CA
<i>Potentilla anserina</i>	C	19.0	11AA
<i>Potentilla reptans</i>		7.0	
<i>Alopecurus geniculatus</i>		7.0	
<i>Ranunculus repens</i>	C	4.0	17DA, 33AB, 43AD

Alliance 17CD *Juncus effusus***Nitrophilous vegetation on wet siliceous disturbed soils with *Juncus effusus***

No. of relevés: 25

Diagnostic species (2)

<i>Juncus effusus</i>	C, Dm	42.1	18
<i>Epilobium ciliatum</i>		31.1	

Constant species (6)

<i>Juncus effusus</i>	Dg, Dm	96.0	18, 18AA
<i>Ranunculus repens</i>		64.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Lycopus europaeus</i>		48.0	01, 01BA, 31AB
<i>Carex hirta</i>		48.0	09, 11AA, 14, 48AC
<i>Myosotis scorpioides</i> agg.		44.0	01, 17BA, 17BF, 19BC, 20EA, 31, 31AA, 31AB, 32, 32CA
<i>Lythrum salicaria</i>		44.0	01, 22, 22EA, 31

Dominant species (1)

<i>Juncus effusus</i>	Dg, C	36.0	
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Alliance 17DA *Plantagini-Prunellion***Mesophilous trampled vegetation on forest roads**

No. of relevés: 67

Diagnostic species (4)

<i>Juncus tenuis</i>	Dm	42.8	
<i>Poa annua</i> agg.	C	30.5	17EC, 23, 23AA, 23AB
<i>Plantago major</i>	C	28.3	23
<i>Sagina apetala</i>		24.3	

Constant species (9)

<i>Plantago major</i>	Dg	99.0	04, 17CA, 17EC, 23, 23AA, 23AB, 33AB, 33BB
<i>Trifolium repens</i>		88.0	17, 17AA, 17AB, 17BE, 17CA, 17EA, 17EB, 17EC, 23
<i>Poa annua</i> agg.	Dg	85.0	17EC, 23, 23AA, 23AB
<i>Ranunculus repens</i>	Dm	82.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Prunella vulgaris</i>	Dm	79.0	17, 17AB, 17BC, 32, 32AB, 50, 50AB
<i>Agrostis stolonifera</i>		63.0	04, 04AA, 11, 11AA, 11AB, 11AC, 12, 12AB, 17BB, 17BE, 17CA, 31AA
<i>Taraxacum</i> sect. <i>Ruderalia</i>		57.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Cerastium fontanum</i> agg.		51.0	17, 17AA, 17AB, 17BD, 17EB
<i>Alchemilla</i> spec. div.		49.0	06AC, 17, 17AA, 17AB, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC

Dominant species (3)

<i>Prunella vulgaris</i>	C	25.0	
<i>Juncus tenuis</i>	Dg	12.0	
<i>Ranunculus repens</i>	C	4.0	17CA, 43AD

Alliance 17EA *Polygono-Trisetion***Montane *Trisetum* meadows**

No. of relevés: 541

Diagnostic species (1)*Trisetum flavescens* C 25.2 10BA, 17, 17AA**Constant species (28)**

<i>Alchemilla</i> spec. div.	Dm	85.0	06AC, 17, 17AA, 17AB, 17DA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Cruciata glabra</i>		77.0	10BA, 10BB, 17, 17AA, 17AB, 20CC, 25, 25AA, 27AB, 47, 47AC
<i>Hypericum maculatum</i>		73.0	07, 07AC, 17EB, 20, 20CC, 20CE, 20DA, 43AE, 46, 46AA, 47, 47AB, 47AC
<i>Agrostis capillaris</i>	Dm	73.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Achillea millefolium</i> agg.		72.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Ranunculus acris</i>		71.0	17, 17AA, 17AB, 17BA, 17BB, 17BC, 17BD, 17BE, 17EC, 32, 32AB, 32CA, 47AC
<i>Veronica chamaedrys</i> agg.		68.0	10BA, 17, 17AA, 17AB, 17EB, 25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Trifolium pratense</i> * <i>pratense</i>		62.0	10BA, 10BB, 17, 17AA, 17AB, 17BB, 17BD, 17EB, 17EC
<i>Leucanthemum vulgare</i> agg.		60.0	06, 08, 10BA, 10BB, 17, 17AA, 17AB, 17BD, 20CD, 46
<i>Festuca rubra</i> agg.		60.0	17, 17AA, 17AB, 17BA, 17BC, 32, 32AG, 47, 47AB, 47AC
<i>Dactylis glomerata</i>		60.0	10BA, 10BB, 17, 17AA, 20EA, 31AA, 43, 43AC
<i>Anthoxanthum odoratum</i> agg.		58.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Rumex acetosa</i>		56.0	17, 17AA, 17AB, 17BA, 17BB, 37BB
<i>Leontodon hispidus</i>		55.0	10BA, 10BB, 17, 17AA, 17AB, 20CE
<i>Trifolium repens</i>		50.0	17, 17AA, 17AB, 17BE, 17CA, 17DA, 17EB, 17EC, 23
<i>Primula elatior</i>		50.0	06AC, 17EB, 20, 20CE, 46, 46AA
<i>Lotus corniculatus</i>		50.0	06, 06AC, 10, 10BA, 10BB, 11CA, 12AB, 17, 17AA, 17AB, 17BE, 20CD, 47AC, 48AC
<i>Briza media</i>		50.0	10BA, 10BB, 17, 17AA, 17AB, 17BC, 32, 32AB, 32AG, 32CC, 48AC
<i>Luzula campestris</i> agg.		48.0	17, 17AA, 17AB, 47, 47AB, 47AC
<i>Campanula patula</i>		48.0	17, 17AA, 17AB
<i>Trisetum flavescens</i>	Dg	47.0	10BA, 17, 17AA
<i>Plantago lanceolata</i>		47.0	02, 02AA, 02AB, 10, 10BA, 10BB, 10CA,

			11CA, 17, 17AA, 17AB, 17BC, 17BD, 48AC, 50
<i>Vicia cracca</i> agg.		46.0	10BA, 10BB, 17, 17AA, 17BE, 46, 46AA
<i>Taraxacum</i> sect. <i>Ruderalia</i>		45.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Stellaria graminea</i>		45.0	17
<i>Geranium sylvaticum</i>	Dm	44.0	20, 20CC, 20CE, 20DA, 46, 46AA
<i>Festuca pratensis</i>		43.0	10BB, 17, 17AA, 17AB, 17BB, 17BD
<i>Deschampsia cespitosa</i>	Dm	42.0	01, 17, 17BA, 17BC, 17BD, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
Dominant species (2)			
<i>Deschampsia cespitosa</i>	C	6.0	17BD, 20, 20CB, 20CC, 47, 47AB
<i>Alchemilla</i> spec. div.	C	6.0	17EB

Alliance 17EB *Poion alpinae*

Cattle pastures with *Poa alpina* and *Alchemilla* spec div. on fertile soils in montane to subalpine belt

No. of relevés: 78

Diagnostic species (4)

<i>Poa alpina</i>	C, Dm	25.9	19AC, 30BA, 36BA
<i>Potentilla aurea</i>	C	24.3	47
<i>Trifolium pratense</i> * <i>kotulae</i>		24.2	
<i>Senecio subalpinus</i>	C	24.1	

Constant species (16)

<i>Alchemilla</i> spec. div.	Dm	100.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Poa alpina</i>	Dg, Dm	78.0	06AC, 19AC, 30BA, 36AA, 36BA, 42, 42AA
<i>Achillea millefolium</i> agg.		74.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Potentilla aurea</i>	Dg	72.0	06AC, 13, 20, 20CA, 20CB, 20CE, 30, 30AB, 47, 47AA, 47AB
<i>Agrostis capillaris</i>	Dm	67.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Deschampsia cespitosa</i>		65.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Trifolium repens</i>		53.0	17, 17AA, 17AB, 17BE, 17CA, 17DA, 17EA, 17EC, 23
<i>Primula elatior</i>		50.0	06AC, 17EA, 20, 20CE, 46, 46AA
<i>Senecio subalpinus</i>	Dg	49.0	20CE
<i>Anthoxanthum odoratum</i> agg.		49.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Veronica chamaedrys</i> agg.		47.0	10BA, 17, 17AA, 17AB, 17EA, 25, 25AA,

			26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Hypericum maculatum</i>	46.0		07, 07AC, 17EA, 20, 20CC, 20CE, 20DA, 43AE, 46, 46AA, 47, 47AB, 47AC
<i>Trifolium pratense</i> *pratense	45.0		10BA, 10BB, 17, 17AA, 17AB, 17BB, 17BD, 17EA, 17EC
<i>Ligusticum mutellina</i>	44.0		13, 13AA, 19AC, 20, 20CA, 20CB, 20DA, 30, 30AA, 30AB, 30BA, 45, 47AA
<i>Cerastium fontanum</i> agg.	44.0		17, 17AA, 17AB, 17BD, 17DA
<i>Galium pumilum</i> agg.	42.0		03AA, 06, 06AA, 06AB, 06AC, 08, 08AA, 20CE, 36AA, 42, 42AA, 46
Dominant species (3)			
<i>Alchemilla</i> spec. div.	C	32.0	17EA
<i>Agrostis capillaris</i>	C	6.0	17EC, 39BC
<i>Poa alpina</i>	Dg, C	4.0	

Alliance 17EC *Alchemillo-Poion supinae***Trampled and overgazed pastures at higher montane altitudes**

No. of relevés: 44

Diagnostic species (3)

<i>Chenopodium bonus-henricus</i>	C	36.5	43AD
<i>Poa annua</i> agg.	C, Dm	26.7	17DA, 23, 23AA, 23AB
<i>Carex leporina</i>		25.8	

Constant species (12)

<i>Trifolium repens</i>	Dm	84.0	17, 17AA, 17AB, 17BE, 17CA, 17DA, 17EA, 17EB, 23
<i>Poa annua</i> agg.	Dg, Dm	75.0	17DA, 23, 23AA, 23AB
<i>Plantago major</i>		70.0	04, 17CA, 17DA, 23, 23AA, 23AB, 33AB, 33BB
<i>Alchemilla</i> spec. div.		61.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Stellaria media</i> agg.	Dm	55.0	29, 29AA, 29AB, 33, 33AA, 33AC, 33BA, 43AD
<i>Capsella bursa-pastoris</i>		55.0	23, 23AA, 33, 33AC, 33BA, 33BB, 33BC, 33DA
<i>Taraxacum</i> sect. <i>Ruderalia</i>		52.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 23, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Deschampsia cespitosa</i>		48.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Trifolium pratense</i> *pratense		43.0	10BA, 10BB, 17, 17AA, 17AB, 17BB, 17BD, 17EA, 17EB
<i>Ranunculus repens</i>		41.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Ranunculus acris</i>		41.0	17, 17AA, 17AB, 17BA, 17BB, 17BC, 17BD, 17BE, 17EA, 32, 32AB, 32CA, 47AC
<i>Chenopodium bonus-henricus</i>	Dg	41.0	43AD

Dominant species (6)

<i>Poa annua</i> agg.	Dg, C	45.0	23, 23AA
<i>Stellaria media</i> agg.	C	9.0	29, 29AB, 33AC, 33BA
<i>Agrostis capillaris</i>		7.0	17EB, 39BC
<i>Urtica dioica</i>		5.0	02AC, 28BB, 31, 31AB, 31AC, 36CB, 43, 43AB, 43AD, 43BA
<i>Matricaria discoidea</i>		5.0	23, 23AA
<i>Calamagrostis arundinacea</i>		5.0	07, 07AC, 20, 20CC, 25, 25AA, 27BE, 39BD, 46, 46AA, 47AB

Class 18 Molinio-Betuletea pubescentis**Birch-mire forests**

No. of relevés: 48

Diagnostic species (32)

<i>Betula pubescens</i>	C, Dm	86.0	18AA, 39CA
<i>Salix aurita</i>	C	59.0	18AA
<i>Vaccinium oxycoccos</i>	C	55.2	16BA, 18AA, 40, 40AB, 49
<i>Equisetum sylvaticum</i>	C	52.7	18AA
<i>Sphagnum palustre</i> agg.	C, Dm	52.2	18AA, 32BB, 40
<i>Eriophorum vaginatum</i>	C, Dm	51.3	18AA, 40, 40AA, 40AB, 49, 49AB
<i>Agrostis canina</i>	C	48.3	
<i>Potentilla palustris</i>	C	43.5	
<i>Carex canescens</i>	C	43.4	18AA
<i>Carex rostrata</i>	C, Dm	42.1	17BF, 32, 32CB
<i>Carex echinata</i>	C	41.8	32, 32CA
<i>Polytrichum commune</i>	C	41.7	18AA, 32CD, 40, 40AB
<i>Juncus effusus</i>	C	36.9	17CD
<i>Alnus incana</i>	C	35.6	28AB, 31AA
<i>Vaccinium vitis-idaea</i>	C	33.1	18AA, 45, 49
<i>Sphagnum recurvum</i> agg.	C, Dm	33.1	32CD, 49, 49AB
<i>Pinus sylvestris</i>	C	33.1	08, 08AA, 26BA, 39CA
<i>Viola palustris</i>	C	32.9	32CD
<i>Picea abies</i>	C, Dm	31.9	39
<i>Carex nigra</i>	C	31.8	16BA, 32, 32CA, 32CD
<i>Trientalis europaea</i>		31.4	
<i>Frangula alnus</i>	C	30.1	01, 01BA
<i>Potentilla erecta</i>	C	29.6	32
<i>Sphagnum squarrosum</i>		29.5	32AG
<i>Pyrola rotundifolia</i>		28.9	
<i>Calamagrostis villosa</i>	C, Dm	28.6	20CA, 39, 44
<i>Salix cinerea</i>	C	27.0	01, 01AA
<i>Molinia caerulea</i> agg.	C, Dm	26.9	17BC
<i>Sphagnum quinquefarium</i>	Dm	26.8	
<i>Sphagnum warnstorffii</i>		25.5	32CC
<i>Drosera rotundifolia</i>		25.4	32AG, 32BB, 40
<i>Salix pentandra</i>		25.3	

Constant species (33)

<i>Betula pubescens</i>	Dg, Dm	94.0	18AA, 39CA
<i>Vaccinium vitis-idaea</i>	Dg	88.0	08, 08AA, 13, 13AA, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Picea abies</i>	Dg, Dm	85.0	07, 07AA, 07AC, 08, 08AA, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Eriophorum vaginatum</i>	Dg, Dm	85.0	18AA, 40, 40AA, 40AB, 49, 49AB

<i>Vaccinium oxycoccos</i>	Dg	77.0	16BA, 18AA, 32BB, 32CD, 40, 40AB, 49, 49AB
<i>Vaccinium myrtillus</i>		75.0	08, 13, 13AA, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Pinus sylvestris</i>	Dg	69.0	08, 08AA, 18AA, 25, 25AA, 26, 26BA, 39CA, 48AC
<i>Potentilla erecta</i>	Dg	60.0	16BA, 17, 17AB, 17BA, 17BC, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Polytrichum commune</i>	Dg	60.0	18AA, 32CD, 40, 40AB, 49
<i>Sphagnum palustre</i> agg.	Dg, Dm	58.0	18AA, 32BB, 40
<i>Calamagrostis villosa</i>	Dg, Dm	58.0	18AA, 20, 20CA, 20DA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 46, 46AA
<i>Equisetum sylvaticum</i>	Dg	52.0	18AA
<i>Carex nigra</i>	Dg	52.0	16BA, 18AA, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 40, 40AB, 49
<i>Carex rostrata</i>	Dg, Dm	50.0	16BA, 17BF, 18AA, 32, 32BE, 32CB
<i>Salix aurita</i>	Dg	48.0	18AA
<i>Pleurozium schreberi</i>		48.0	18AA, 26, 26BA, 39, 39CA, 44, 44AA, 45, 45AB, 48AD, 49
<i>Frangula alnus</i>	Dg	46.0	01, 01BA, 18AA, 26, 26BA, 27AD, 39CA
<i>Juncus effusus</i>	Dg	44.0	17CD, 18AA
<i>Carex echinata</i>	Dg	44.0	18AA, 32, 32AG, 32CA, 32CC, 32CD
<i>Agrostis canina</i>	Dg	44.0	18AA, 32AG, 32BB
<i>Lysimachia vulgaris</i>		42.0	01, 01AA, 01BA, 17BC, 17BF, 18AA, 22, 22EA, 31, 31AB
<i>Sphagnum recurvum</i> agg.	Dg, Dm	40.0	32CD, 49, 49AB
<i>Carex canescens</i>	Dg	40.0	
<i>Alnus incana</i>	Dg	33.0	
<i>Polytrichum strictum</i>		31.0	40, 49, 49AB
<i>Salix cinerea</i>	Dg	29.0	01, 01AA
<i>Molinia caerulea</i> agg.	Dg, Dm	29.0	17BC
<i>Caltha palustris</i>		29.0	01, 01BA, 16BA, 17BA, 19, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CA, 32CC
<i>Viola palustris</i>	Dg	27.0	32CD
<i>Sphagnum magellanicum</i>		27.0	40, 49, 49AB
<i>Dicranum scoparium</i>		27.0	03CD, 08, 26, 26BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA
<i>Potentilla palustris</i>	Dg	27.0	
<i>Calluna vulgaris</i>		27.0	39CA, 40, 48, 48AA, 48AC, 49, 49AB, 50
Dominant species (7)			
<i>Sphagnum recurvum</i> agg.	Dg, C	12.0	16, 16BA, 18AA, 32, 32BB, 32BE, 32CD, 40, 40AB, 49, 49AB
<i>Picea abies</i>	Dg, C	12.0	18AA, 27BD, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Betula pubescens</i>	Dg, C	12.0	18AA
<i>Molinia caerulea</i> agg.	Dg, C	10.0	01BA, 17BC, 18AA, 26, 26AA, 40AB
<i>Carex rostrata</i>	Dg, C	8.0	18AA, 22EA, 32BB, 32BE, 32CA
<i>Sphagnum quinquefarium</i>	Dg	4.0	18AA
<i>Calamagrostis villosa</i>	Dg, C	4.0	18AA, 20, 20CA, 20CC, 39, 39AA, 39BC, 44, 44AA, 46, 46AA

Alliance 18AA Eriophoro-Betulion pubescentis**Birch-mire forests**

No. of relevés: 48

Diagnostic species (9)

<i>Betula pubescens</i>	C, Dm	57.9	18, 39CA
<i>Eriophorum vaginatum</i>	C, Dm	37.8	18, 40, 40AA, 40AB, 49, 49AB
<i>Salix aurita</i>	C	36.5	18
<i>Sphagnum palustre</i> agg.	C, Dm	35.1	18, 32BB, 40
<i>Vaccinium oxycoccos</i>	C	35.1	16BA, 18, 40, 40AB, 49
<i>Equisetum sylvaticum</i>	C	32.9	18
<i>Polytrichum commune</i>	C	28.9	18, 32CD, 40, 40AB
<i>Carex canescens</i>		24.8	18
<i>Vaccinium vitis-idaea</i>	C	24.2	18, 45, 49

Constant species (21)

<i>Betula pubescens</i>	Dg, Dm	94.0	18, 39CA
<i>Vaccinium vitis-idaea</i>	Dg	88.0	08, 08AA, 13, 13AA, 18, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Picea abies</i>	Dm	85.0	07, 07AA, 07AC, 08, 08AA, 18, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Eriophorum vaginatum</i>	Dg, Dm	85.0	18, 40, 40AA, 40AB, 49, 49AB
<i>Vaccinium oxycoccos</i>	Dg	77.0	16BA, 18, 32BB, 32CD, 40, 40AB, 49, 49AB
<i>Vaccinium myrtillus</i>		75.0	08, 13, 13AA, 18, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Pinus sylvestris</i>		69.0	08, 08AA, 18, 25, 25AA, 26, 26BA, 39CA, 48AC
<i>Potentilla erecta</i>		60.0	16BA, 17, 17AB, 17BA, 17BC, 18, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Polytrichum commune</i>	Dg	60.0	18, 32CD, 40, 40AB, 49
<i>Sphagnum palustre</i> agg.	Dg, Dm	58.0	18, 32BB, 40
<i>Calamagrostis villosa</i>	Dm	58.0	18, 20, 20CA, 20DA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 46, 46AA
<i>Equisetum sylvaticum</i>	Dg	52.0	18
<i>Carex nigra</i>		52.0	16BA, 18, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 40, 40AB, 49
<i>Carex rostrata</i>	Dm	50.0	16BA, 17BF, 18, 32, 32BE, 32CB
<i>Salix aurita</i>	Dg	48.0	18
<i>Pleurozium schreberi</i>		48.0	18, 26, 26BA, 39, 39CA, 44, 44AA, 45, 45AB, 48AD, 49
<i>Frangula alnus</i>		46.0	01, 01BA, 18, 26, 26BA, 27AD, 39CA
<i>Juncus effusus</i>		44.0	17CD, 18
<i>Carex echinata</i>		44.0	18, 32, 32AG, 32CA, 32CC, 32CD
<i>Agrostis canina</i>		44.0	18, 32AG, 32BB
<i>Lysimachia vulgaris</i>		42.0	01, 01AA, 01BA, 17BC, 17BF, 18, 22, 22EA, 31, 31AB

Dominant species (7)

<i>Sphagnum recurvum</i> agg.		12.0	16, 16BA, 18, 32, 32BB, 32BE, 32CD, 40, 40AB, 49, 49AB
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<i>Picea abies</i>	C	12.0	18, 27BD, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Betula pubescens</i>	Dg, C	12.0	18
<i>Molinia caerulea</i> agg.		10.0	01BA, 17BC, 18, 26, 26AA, 40AB
<i>Carex rostrata</i>	C	8.0	18, 22EA, 32BB, 32BE, 32CA
<i>Sphagnum quinquefarium</i>		4.0	18
<i>Calamagrostis villosa</i>	C	4.0	18, 20, 20CA, 20CC, 39, 39AA, 39BC, 44, 44AA, 46, 46AA

Class 19 *Montio-Cardaminetea***Plant communities of water-springs**

No. of relevés: 678

Diagnostic species (19)

<i>Cardamine amara</i> * <i>opicii</i>	C, Dm	51.3	19AA
<i>Palustriella commutata</i>	C, Dm	49.4	19AE, 19BB
<i>Brachythecium rivulare</i>	C, Dm	46.9	19AA, 19BC
<i>Epilobium alsinifolium</i>	C	46.1	19AA
<i>Philonotis seriata</i>	Dm	43.1	19AA, 19AC
<i>Silene pusilla</i>		42.0	19AA, 19AE
<i>Bryum pseudotriquetrum</i>	C	38.1	16BA, 19AE, 32
<i>Scapania undulata</i>		37.2	19AA, 19AC
<i>Palustriella decipiens</i>	Dm	32.7	19AA
<i>Arabis</i> * <i>subcoriacea</i>		31.7	19AE
<i>Dicranella palustris</i>		31.1	19AA
<i>Caltha palustris</i>	C, Dm	31.1	01
<i>Cardamine amara</i>	C, Dm	30.3	19BC
<i>Aconitum firmum</i>	C	27.7	19AA, 20CB
<i>Stellaria nemorum</i>	C	26.7	43AE
<i>Pohlia wahlenbergii</i>		26.6	19AC
<i>Rhizomnium punctatum</i> agg.		25.4	
<i>Epilobium anagallidifolium</i>		24.7	19AC
<i>Chrysosplenium alternifolium</i>		24.4	19BC

Constant species (12)

<i>Caltha palustris</i>	Dg, Dm	56.0	01, 01BA, 16BA, 17BA, 18, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CA, 32CC
<i>Deschampsia cespitosa</i>		40.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Bryum pseudotriquetrum</i>	Dg	40.0	16BA, 19AC, 19AE, 19BB, 32, 32AB, 32AG, 32CB
<i>Stellaria nemorum</i>	Dg	36.0	19AA, 20, 20EA, 39BB, 39BC, 43AE
<i>Viola biflora</i>		35.0	19AA, 19AC, 19AE, 20, 20CB, 20CE, 20DA, 46, 46AA
<i>Palustriella commutata</i>	Dg, Dm	34.0	19AE, 19BB
<i>Chaerophyllum hirsutum</i>		31.0	19AE, 20, 20EA, 31AA
<i>Brachythecium rivulare</i>	Dg, Dm	30.0	
<i>Cardamine amara</i> * <i>opicii</i>	Dg, Dm	28.0	19AA
<i>Cardamine amara</i>	Dg, Dm	28.0	19BC
<i>Aconitum firmum</i>	Dg	28.0	19AA, 20CB, 20DA
<i>Epilobium alsinifolium</i>	Dg	26.0	19AA

Dominant species (6)

<i>Palustriella commutata</i>	Dg, C	17.0	19AA, 19AE, 19BB
<i>Cardamine amara</i> * <i>opicii</i>	Dg, C	12.0	19AA
<i>Caltha palustris</i>	Dg, C	8.0	01, 01BA, 17BA, 19AA, 19BC

<i>Cardamine amara</i>	Dg, C	4.0	19BC
<i>Philonotis seriata</i>	Dg	3.0	19AA, 19AC
<i>Palustriella decipiens</i>	Dg	3.0	19AA

Alliance 19AA *Cratoneuro flicini-Calthion laetae*

Vegetation of (high-)mountain oligotrophic water springs

No. of relevés: 265

Diagnostic species (9)

<i>Cardamine amara</i> *opicii	C, Dm	64.8	19
<i>Epilobium alsinifolium</i>	C	48.1	19
<i>Dicranella palustris</i>	Dm	38.4	19
<i>Philonotis seriata</i>	C, Dm	34.6	19, 19AC
<i>Palustriella decipiens</i>	Dm	31.6	19
<i>Scapania undulata</i>	Dm	31.0	19, 19AC
<i>Silene pusilla</i>		28.2	19, 19AE
<i>Aconitum firmum</i>	C	27.1	19, 20CB
<i>Brachythecium rivulare</i>	Dm	24.5	19, 19BC

Constant species (9)

<i>Caltha palustris</i> ¹⁰	Dm	70.0	01, 01BA, 16BA, 17BA, 18, 19, 19AC, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CA, 32CC
<i>Cardamine amara</i> *opicii	Dg, Dm	68.0	19
<i>Deschampsia cespitosa</i>		61.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Aconitum firmum</i>	Dg	61.0	19, 20CB, 20DA
<i>Stellaria nemorum</i>		58.0	19, 20, 20EA, 39BB, 39BC, 43AE
<i>Epilobium alsinifolium</i>	Dg	55.0	19
<i>Viola biflora</i>		52.0	19, 19AC, 19AE, 20, 20CB, 20CE, 20DA, 46, 46AA
<i>Philonotis seriata</i>	Dg, Dm	44.0	19AC
<i>Alchemilla</i> spec. div.		43.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC

Dominant species (7)

<i>Cardamine amara</i> *opicii	Dg, C	31.0	19
<i>Caltha palustris</i>	C	17.0	01, 01BA, 17BA, 19, 19BC
<i>Palustriella decipiens</i>	Dg	6.0	19
<i>Philonotis seriata</i>	Dg, C	5.0	19, 19AC
<i>Dicranella palustris</i>	Dg	5.0	
<i>Palustriella commutata</i>		5.0	19, 19AE, 19BB
<i>Brachythecium rivulare</i>	Dg	5.0	

Alliance 19AC *Philonotidion seriatae*

Moss-rich vegetation of subalpine water-springs on silicate bedrock

No. of relevés: 27

Diagnostic species (20)

<i>Philonotis seriata</i>	C, Dm	65.0	19, 19AA
<i>Pohlia wahlenbergii</i>	C, Dm	59.3	19
<i>Scapania undulata</i>	C	49.8	19, 19AA
<i>Blindia acuta</i>		44.3	
<i>Epilobium nutans</i>		43.0	

¹⁰ In this alliance *Caltha* *laeta strongly prevails.

<i>Bryum weigelii</i>		35.1	
<i>Racomitrium microcarpon</i>		33.7	
<i>Racomitrium fasciculare</i>		33.3	
<i>Dichodon cerastoides</i>		32.3	30, 30AA
<i>Epilobium anagallidifolium</i>		31.0	19
<i>Bryum pallens</i>		30.7	
<i>Pellia neesiana</i>		27.3	
<i>Scapania paludicola</i>		27.1	
<i>Hygrohypnum molle</i>		27.1	
<i>Jungermannia gracillima</i>		26.4	
<i>Poa alpina</i>	C	25.8	17EB, 30BA, 36BA
<i>Calliergon sarmentosum</i>		25.5	
<i>Dermatocarpon rivulorum</i>		25.4	
<i>Warnstorfia exannulata</i>		24.8	32CC
<i>Cephaloziella rubella</i>		24.7	
Constant species (11)			
<i>Philonotis seriata</i>	Dg, Dm	81.0	19AA
<i>Poa alpina</i>	Dg	78.0	06AC, 17EB, 30BA, 36AA, 36BA, 42, 42AA
<i>Caltha palustris</i> ¹¹		63.0	01, 01BA, 16BA, 17BA, 18, 19, 19AA, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CA, 32CC
<i>Ligusticum mutellina</i>		59.0	13, 13AA, 17EB, 20, 20CA, 20CB, 20DA, 30, 30AA, 30AB, 30BA, 45, 47AA
<i>Pohlia wahlenbergii</i>	Dg, Dm	56.0	
<i>Deschampsia cespitosa</i>		56.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 20, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Luzula alpinopilosa</i>		52.0	13, 13AA, 20CB, 30, 30AA, 30AB, 36BA, 42, 42AB
<i>Viola biflora</i>		48.0	19, 19AA, 19AE, 20, 20CB, 20CE, 20DA, 46, 46AA
<i>Scapania undulata</i>	Dg	48.0	
<i>Alchemilla spec. div.</i>		48.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Bryum pseudotriquetrum</i>		41.0	16BA, 19, 19AE, 19BB, 32, 32AB, 32AG, 32CB
Dominant species (3)			
<i>Pohlia wahlenbergii</i>	Dg, C	26.0	
<i>Philonotis seriata</i>	Dg, C	19.0	19, 19AA
<i>Scapania irrigua</i>		4.0	

Alliance 19AE *Cratoneurion commutati***Water-spring mountain vegetation on limestones**

No. of relevés: 156

Diagnostic species (5)

<i>Arabis *subcoriacea</i>	C	60.2	19
<i>Palustriella commutata</i>	C, Dm	57.7	19, 19BB
<i>Bryum pseudotriquetrum</i>	C	32.3	16BA, 19, 32
<i>Silene pusilla</i>		29.4	19, 19AA
<i>Philonotis calcarea</i>		24.1	

¹¹ In this class *Caltha *laeta* occurs.

Constant species (7)

<i>Palustriella commutata</i>	Dg, Dm	88.0	19, 19BB
<i>Bryum pseudotriquetrum</i>	Dg	81.0	16BA, 19, 19AC, 19BB, 32, 32AB, 32AG, 32CB
<i>Crepis paludosa</i>		55.0	17BF, 32, 32AG, 32CC
<i>Viola biflora</i>		45.0	19, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 46, 46AA
<i>Cortusa matthioli</i>		44.0	20CE, 46, 46AA
<i>Chaerophyllum hirsutum</i>		43.0	19, 20, 20EA, 31AA
<i>Arabis *subcoriacea</i>	Dg	42.0	

Dominant species (1)

<i>Palustriella commutata</i>	Dg, C	52.0	19, 19AA, 19BB
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Alliance 19BB *Lycopodio-Cratoneurion commutati***Colline to montane water-spring vegetation**

No. of relevés: 43

Diagnostic species (4)

<i>Palustriella commutata</i>	C, Dm	42.2	19, 19AE
<i>Cochlearia pyrenaica</i>	Dm	30.8	
<i>Juncus inflexus</i>		27.2	11AA
<i>Carex flacca</i>	C	26.7	

Constant species (12)

<i>Palustriella commutata</i>	Dg, Dm	65.0	19, 19AE
<i>Carex flava</i> agg.		58.0	16BA, 32, 32AB, 32CA, 32CC
<i>Potentilla erecta</i>		51.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Eupatorium cannabinum</i>		49.0	07, 07AA
<i>Carex flacca</i>	Dg	49.0	
<i>Equisetum palustre</i>		47.0	17BA, 32, 32AB, 32AG, 32CA, 32CB, 32CC
<i>Eriophorum latifolium</i>		44.0	16BA, 32, 32AB, 32CC
<i>Carex panicea</i>		44.0	16BA, 17BA, 17BC, 32, 32AB, 32AG, 32BB, 32CA, 32CB, 32CC
<i>Tussilago farfara</i>		42.0	28BA
<i>Juncus articulatus</i>		42.0	12, 12AD, 32, 32AG
<i>Caltha palustris</i>		42.0	01, 01BA, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BC, 22, 22EA, 32, 32AB, 32CA, 32CC
<i>Bryum pseudotriquetrum</i>		42.0	16BA, 19, 19AC, 19AE, 32, 32AB, 32AG, 32CB

Dominant species (1)

<i>Palustriella commutata</i>	Dg, C	44.0	19, 19AA, 19AE
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Alliance 19BC *Caricion remotae***Shade-tolerant water-spring vegetation in lowland and colline forests**

No. of relevés: 187

Diagnostic species (5)

<i>Cardamine amara</i>	C, Dm	42.4	19
<i>Carex remota</i>	Dm	35.6	01
<i>Chrysosplenium alternifolium</i>	C	29.5	19
<i>Brachythecium rivulare</i>		27.7	19, 19AA
<i>Impatiens noli-tangere</i>	C	25.0	

Constant species (8)

<i>Cardamine amara</i>	Dg, Dm	74.0	19
<i>Impatiens noli-tangere</i>	Dg	63.0	20EA, 27BC, 28BA
<i>Chrysosplenium alternifolium</i>	Dg	60.0	20EA
<i>Caltha palustris</i>	Dm	54.0	01, 01BA, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 22, 22EA, 32, 32AB, 32CA, 32CC
<i>Myosotis scorpioides</i> agg.		47.0	01, 17BA, 17BF, 17CD, 20EA, 31, 31AA, 31AB, 32, 32CA
<i>Ranunculus repens</i>		44.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Urtica dioica</i>		42.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Athyrium filix-femina</i>		41.0	01, 01BA, 07, 07AC, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD

Dominant species (8)

<i>Cardamine amara</i>	Dg, C	13.0	19
<i>Carex remota</i>	Dg	6.0	
<i>Petasites albus</i>		5.0	
<i>Caltha palustris</i>	C	5.0	01, 01BA, 17BA, 19, 19AA
<i>Veronica beccabunga</i>		4.0	
<i>Chaerophyllum hirsutum</i>		4.0	20EA, 36CC
<i>Schoenus ferrugineus</i>		3.0	
<i>Campyllum stellatum</i> agg.		3.0	22DA, 32AB

Class 20 *Mulgedio-Aconitetea***Tall-herb communities in the montane to alpine belt**

No. of relevés: 2314

Diagnostic species (3)

<i>Petasites hybridus</i>	Dm	25.4	20EA, 31AA
<i>Rumex alpestris</i>	C	24.4	20DA
<i>Chaerophyllum hirsutum</i>	C, Dm	24.2	20EA

Constant species (20)

<i>Ligusticum mutellina</i>		38.0	13, 13AA, 17EB, 19AC, 20CA, 20CB, 20DA, 30, 30AA, 30AB, 30BA, 45, 47AA
<i>Alchemilla</i> spec. div.		37.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Hypericum maculatum</i>		35.0	07, 07AC, 17EA, 17EB, 20CC, 20CE, 20DA, 43AE, 46, 46AA, 47, 47AB, 47AC
<i>Calamagrostis villosa</i>	Dm	35.0	18, 18AA, 20CA, 20DA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 46, 46AA
<i>Homogyne alpina</i>		34.0	13, 13AA, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44,

			44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Chaerophyllum hirsutum</i>	Dg, Dm	32.0	19, 19AE, 20EA, 31AA
<i>Geranium sylvaticum</i>		32.0	17EA, 20CC, 20CE, 20DA, 46, 46AA
<i>Rumex alpestris</i>	Dg	32.0	20CC, 20DA, 39BC, 43AE
<i>Viola biflora</i>		31.0	19, 19AA, 19AC, 19AE, 20CB, 20CE, 20DA, 46, 46AA
<i>Soldanella carpatica</i>		31.0	06AA, 06AC, 13, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Luzula luzuloides</i>		31.0	07, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Deschampsia cespitosa</i>	Dm	30.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20CB, 39CA, 43AE, 47, 47AB, 47AC
<i>Stellaria nemorum</i>		29.0	19, 19AA, 20EA, 39BB, 39BC, 43AE
<i>Potentilla aurea</i>		29.0	06AC, 13, 17EB, 20CA, 20CB, 20CE, 30, 30AB, 47, 47AA, 47AB
<i>Avenella flexuosa</i>		28.0	13, 13AA, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Veratrum album</i> ¹²		27.0	17BF, 20CA, 20DA
<i>Urtica dioica</i>		27.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Senecio nemorensis</i> agg.		26.0	07, 07AA, 07AC, 25, 27, 27BC, 27BD, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Primula elatior</i>		26.0	06AC, 17EA, 17EB, 20CE, 46, 46AA
<i>Geum montanum</i>		26.0	20CA, 20CB, 30, 30AA, 30AB, 47AA
Dominant species (11)			
<i>Calamagrostis villosa</i>	C	16.0	18, 18AA, 20CA, 20CC, 39, 39AA, 39BC, 44, 44AA, 46, 46AA
<i>Petasites hybridus</i>	Dg	15.0	20EA, 22BB, 31AA
<i>Adenostyles alliariae</i>		7.0	20DA, 39BB, 39BC
<i>Petasites kablikianus</i>		6.0	20EA
<i>Calamagrostis arundinacea</i>		6.0	07, 07AC, 17EC, 20CC, 25, 25AA, 27BE, 39BD, 46, 46AA, 47AB
<i>Festuca pseudolaxa</i>		5.0	20CE
<i>Salix helvetica</i>		4.0	20CA, 20CB
<i>Rumex alpinus</i>		4.0	20EA, 43, 43AE
<i>Deschampsia cespitosa</i>	C	3.0	17BD, 17EA, 20CB, 20CC, 47, 47AB
<i>Calamagrostis varia</i>		3.0	06AC, 20CD, 20CE, 46, 46AA
<i>Athyrium distentifolium</i>		3.0	20DA, 39BC

¹² In this class *Veratrum *lobelianum* occurs.

Alliance 20CA *Calamagrostion villosae***Subalpine tall grasslands with *Calamagrostis villosa* on siliceous bedrock**

No. of relevés: 376

Diagnostic species (4)

<i>Calamagrostis villosa</i>	C, Dm	33.1	18, 39, 44
<i>Festuca picturata</i>	C	28.5	20CB, 30, 30AB
<i>Geum montanum</i>	C	28.2	20CB, 30, 30AB
<i>Gentiana punctata</i>	C	25.3	30, 30AB

Constant species (14)

<i>Calamagrostis villosa</i>	Dg, Dm	99.0	18, 18AA, 20, 20DA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 46, 46AA
<i>Homogyne alpina</i>		83.0	13, 13AA, 20, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Ligusticum mutellina</i>		79.0	13, 13AA, 17EB, 19AC, 20, 20CB, 20DA, 30, 30AA, 30AB, 30BA, 45, 47AA
<i>Avenella flexuosa</i>		75.0	13, 13AA, 20, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Vaccinium myrtillus</i>	Dm	70.0	08, 13, 13AA, 18, 18AA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Geum montanum</i>	Dg	68.0	20, 20CB, 30, 30AA, 30AB, 47AA
<i>Potentilla aurea</i>		64.0	06AC, 13, 17EB, 20, 20CB, 20CE, 30, 30AB, 47, 47AA, 47AB
<i>Festuca picturata</i>	Dg	56.0	20CB, 30, 30AB
<i>Luzula luzuloides</i>		55.0	07, 20, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Veratrum album</i>		51.0	17BF, 20, 20DA
<i>Soldanella carpatica</i>		51.0	06AA, 06AC, 13, 20, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Solidago virgaurea</i>		49.0	20CC, 39, 46, 47
<i>Anthoxanthum odoratum</i> agg.		49.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Gentiana punctata</i>	Dg	46.0	30, 30AB
Dominant species (3)			
<i>Calamagrostis villosa</i>	Dg, C	71.0	18, 18AA, 20, 20CC, 39, 39AA, 39BC, 44, 44AA, 46, 46AA
<i>Salix helvetica</i>		4.0	20, 20CB
<i>Vaccinium myrtillus</i>	C	3.0	26, 26AA, 27AD, 39, 39AA, 44, 44AA, 45, 45AB, 47, 47AB, 48, 48AD, 49, 49AB

Alliance 20CB *Trisetion fusci***Tall grasslands on alluviums of mountain streams on siliceous bedrock**

No. of relevés: 300

Diagnostic species (5)

<i>Salix helvetica</i>	Dm	43.5	
<i>Aconitum firmum</i>	C, Dm	30.5	19, 19AA
<i>Trisetum fuscum</i>		29.8	

<i>Festuca picturata</i>	C	26.3	20CA, 30, 30AB
<i>Geum montanum</i>	C	25.3	20CA, 30, 30AB
Constant species (13)			
<i>Ligusticum mutellina</i>		79.0	13, 13AA, 17EB, 19AC, 20, 20CA, 20DA, 30, 30AA, 30AB, 30BA, 45, 47AA
<i>Deschampsia cespitosa</i>	Dm	74.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 39CA, 43AE, 47, 47AB, 47AC
<i>Aconitum firmum</i>	Dg, Dm	68.0	19, 19AA, 20DA
<i>Alchemilla spec. div.</i>		67.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Viola biflora</i>		64.0	19, 19AA, 19AC, 19AE, 20, 20CE, 20DA, 46, 46AA
<i>Geum montanum</i>	Dg	61.0	20, 20CA, 30, 30AA, 30AB, 47AA
<i>Rhodiola rosea</i>	Dm	56.0	30BA, 36AA, 36BA, 42, 42AA, 42AB
<i>Bistorta major</i>		56.0	20CE
<i>Soldanella carpatica</i>		53.0	06AA, 06AC, 13, 20, 20CA, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Potentilla aurea</i>		52.0	06AC, 13, 17EB, 20, 20CA, 20CE, 30, 30AB, 47, 47AA, 47AB
<i>Festuca picturata</i>	Dg	52.0	20CA, 30, 30AB
<i>Homogyne alpina</i>		48.0	13, 13AA, 20, 20CA, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Luzula alpinopilosa</i>		45.0	13, 13AA, 19AC, 30, 30AA, 30AB, 36BA, 42, 42AB
Dominant species (4)			
<i>Salix helvetica</i>	Dg	23.0	20, 20CA
<i>Deschampsia cespitosa</i>	C	23.0	17BD, 17EA, 20, 20CC, 47, 47AB
<i>Aconitum firmum</i>	Dg, C	13.0	
<i>Rhodiola rosea</i>	C	8.0	

Alliance 20CC *Calamagrostion arundinaceae*

Tall grasslands with *Calamagrostis arundinacea* in supramontane to subalpine belt

No. of relevés: 379

Diagnostic species (8)

<i>Knautia dipsacifolia</i>	C	34.5	46, 46AA
<i>Calamagrostis arundinacea</i>	C, Dm	30.4	39, 46, 46AA
<i>Campanula serrata</i>	C	28.5	46, 46AA
<i>Allium victorialis</i>		28.5	46
<i>Hieracium prenanthoides</i>		28.3	
<i>Vicia oreophila</i>		28.1	
<i>Ranunculus nemorosus</i>	C	25.6	46, 46AA
<i>Phleum hirsutum</i>		24.7	06AC, 20CE, 46

Constant species (18)

<i>Luzula luzuloides</i>		84.0	07, 20, 20CA, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Calamagrostis arundinacea</i>	Dg, Dm	81.0	07, 39, 39BD, 46, 46AA
<i>Hypericum maculatum</i>		80.0	07, 07AC, 17EA, 17EB, 20, 20CE, 20DA, 43AE, 46, 46AA, 47, 47AB, 47AC

<i>Campanula serrata</i>	Dg	65.0	46, 46AA, 47
<i>Achillea millefolium</i> agg.		61.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Tanacetum corymbosum</i> agg.		57.0	20CD, 25, 27AA, 27AB, 46, 46AA
<i>Geranium sylvaticum</i>		55.0	17EA, 20, 20CE, 20DA, 46, 46AA
<i>Pimpinella major</i>		52.0	20CD, 20CE, 46, 46AA
<i>Agrostis capillaris</i>		50.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Knautia dipsacifolia</i>	Dg	47.0	46
<i>Carlina acaulis</i>		47.0	06, 06AC, 08, 10BA, 10BB, 20CD
<i>Solidago virgaurea</i>		45.0	20CA, 39, 46, 47
<i>Cirsium erisithales</i>		44.0	20CD, 46, 46AA
<i>Ranunculus nemorosus</i>	Dg	43.0	46, 46AA
<i>Cruciata glabra</i>		43.0	10BA, 10BB, 17, 17AA, 17AB, 17EA, 25, 25AA, 27AB, 47, 47AC
<i>Avenella flexuosa</i>	Dm	43.0	13, 13AA, 20, 20CA, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Rumex alpestris</i>		42.0	20, 20DA, 39BC, 43AE
<i>Digitalis grandiflora</i>		41.0	20CD, 25, 25AA, 46
Dominant species (4)			
<i>Calamagrostis arundinacea</i>	Dg, C	36.0	07, 07AC, 17EC, 20, 25, 25AA, 27BE, 39BD, 46, 46AA, 47AB
<i>Calamagrostis villosa</i>		23.0	18, 18AA, 20, 20CA, 39, 39AA, 39BC, 44, 44AA, 46, 46AA
<i>Deschampsia cespitosa</i>		3.0	17BD, 17EA, 20, 20CB, 47, 47AB
<i>Avenella flexuosa</i>	C	3.0	26AA, 37BA, 47, 47AB

Alliance 20CD *Calamagrostion variaie***Calciphilous tall grasslands on gravelly soils in montane to subalpine belts**

No. of relevés: 101

Diagnostic species (9)

<i>Calamagrostis varia</i>	C, Dm	41.4	08, 08AA
<i>Laserpitium latifolium</i>	C	37.3	08, 08AA, 46
<i>Achillea stricta</i>		32.7	
<i>Cirsium erisithales</i>	C	31.8	46, 46AA
<i>Carduus glaucinus</i>	C	28.0	08, 08AA
<i>Rubus saxatilis</i>	C	27.3	08, 08AA, 46
<i>Cyanus montanus</i> *mollis		26.3	46
<i>Pimpinella major</i> ¹³	C	25.1	46, 46AA
<i>Thesium alpinum</i>	C	24.7	06, 06AB, 08, 08AA

Constant species (17)

<i>Calamagrostis varia</i>	Dg, Dm	95.0	08, 08AA
<i>Laserpitium latifolium</i>	Dg	76.0	08, 08AA, 46, 46AA
<i>Cirsium erisithales</i>	Dg	65.0	20CC, 46, 46AA
<i>Phyteuma orbiculare</i>		61.0	03, 06, 06AA, 06AB, 06AC, 08, 08AA,

¹³ Subspecies *Pimpinella* **rhodochlamys* strongly prevails.

			20CE, 42, 42AA, 46
<i>Pimpinella major</i>	Dg	60.0	20CC, 20CE, 46, 46AA
<i>Scabiosa lucida</i>		52.0	06, 06AB, 06AC, 08, 08AA
<i>Lotus corniculatus</i>		52.0	06, 06AC, 10, 10BA, 10BB, 11CA, 12AB, 17, 17AA, 17AB, 17BE, 17EA, 47AC, 48AC
<i>Sesleria caerulea</i>		51.0	03, 03AA, 03AB, 06, 06AB, 08, 08AA, 10AF
<i>Carduus glaucinus</i>	Dg	51.0	06, 08, 08AA
<i>Fragaria vesca</i>		50.0	07, 07AA, 25, 25AA, 26, 27, 27AB, 27BB, 28, 28BA, 39BD, 46, 46AA
<i>Mercurialis perennis</i>		49.0	27, 27BC, 27BD
<i>Leucanthemum vulgare</i> agg. ¹⁴		49.0	06, 08, 10BA, 10BB, 17, 17AA, 17AB, 17BD, 17EA, 46
<i>Digitalis grandiflora</i>		49.0	20CC, 25, 25AA, 46
<i>Carlina acaulis</i>		49.0	06, 06AC, 08, 10BA, 10BB, 20CC
<i>Tanacetum corymbosum</i> agg.		48.0	20CC, 25, 27AA, 27AB, 46, 46AA
<i>Rubus saxatilis</i>	Dg	45.0	08, 08AA, 46
<i>Thesium alpinum</i>	Dg	44.0	06, 06AB, 08, 08AA
Dominant species (2)			
<i>Calamagrostis varia</i>	Dg, C	57.0	06AC, 20, 20CE, 46, 46AA
<i>Brachypodium pinnatum</i>		3.0	10, 10BB, 27AA, 37, 37AA

Alliance 20CE *Festucion carpaticeae*

Chionophilous tall grasslands with *Festuca pseudolaxa* in wet calcareous glens in supramontane to subalpine belt

No. of relevés: 144

Diagnostic species (7)

<i>Festuca pseudolaxa</i> ¹⁵	C, Dm	60.8	46, 46AA
<i>Geranium sylvaticum</i>	C	32.9	46, 46AA
<i>Crepis mollis</i>	C	30.7	46, 46AA
<i>Sesleria tatrae</i>	C	28.9	06AC, 36AA, 42AA, 46
<i>Phleum hirsutum</i>	C	27.5	06AC, 20CC, 46
<i>Linum extraaxillare</i>		27.3	46
<i>Astrantia major</i>	C	26.9	46, 46AA

Constant species (25)

<i>Festuca pseudolaxa</i>	Dg, Dm	94.0	46, 46AA
<i>Geranium sylvaticum</i>	Dg	83.0	17EA, 20, 20CC, 20DA, 46, 46AA
<i>Primula elatior</i>		74.0	06AC, 17EA, 17EB, 20, 46, 46AA
<i>Heracleum sphondylium</i>		71.0	28AB, 31AA, 43AC, 46, 46AA
<i>Alchemilla</i> spec. div.		65.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Soldanella carpaticea</i>		62.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Sesleria tatrae</i>	Dg	62.0	06AC, 30BA, 36AA, 42AA, 46, 46AA
<i>Hypericum maculatum</i>		58.0	07, 07AC, 17EA, 17EB, 20, 20CC, 20DA, 43AE, 46, 46AA, 47, 47AB, 47AC
<i>Viola biflora</i>		57.0	19, 19AA, 19AC, 19AE, 20, 20CB, 20DA, 46, 46AA

¹⁴ In this alliance *Leucanthemum margaritae* (Jáv.) Zelený strongly prevails.

¹⁵ *Festuca pseudolaxa* Schur (syn.: *F. carpaticea* auct. non Dietr.).

<i>Astrantia major</i>	Dg	56.0	46, 46AA
<i>Luzula sylvatica</i>		51.0	39, 39BA, 39BB, 39BC, 46, 46AA, 48AD
<i>Luzula luzuloides</i>		51.0	07, 20, 20CA, 20CC, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Crepis mollis</i>	Dg	51.0	46, 46AA
<i>Bistorta major</i>		51.0	20CB
<i>Phyteuma orbiculare</i>		49.0	03, 06, 06AA, 06AB, 06AC, 08, 08AA, 20CD, 42, 42AA, 46
<i>Achillea millefolium</i> agg.		48.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Swertia perennis</i>		47.0	30BA, 42AA
<i>Pimpinella major</i>		46.0	20CC, 20CD, 46, 46AA
<i>Phleum hirsutum</i>	Dg	44.0	
<i>Galium pumilum</i> agg.		44.0	03AA, 06, 06AA, 06AB, 06AC, 08, 08AA, 17EB, 36AA, 42, 42AA, 46
<i>Carex sempervirens</i>		44.0	06, 06AB, 06AC, 13, 13AA, 42, 42AA, 42AB
<i>Senecio subalpinus</i>		42.0	17EB
<i>Potentilla aurea</i>		42.0	06AC, 13, 17EB, 20, 20CA, 20CB, 30, 30AB, 47, 47AA, 47AB
<i>Leontodon hispidus</i>		42.0	10BA, 10BB, 17, 17AA, 17AB, 17EA
<i>Cortusa matthioli</i>		42.0	19AE, 46, 46AA
Dominant species (2)			
<i>Festuca pseudolaxa</i>	Dg, C	73.0	20
<i>Calamagrostis varia</i>		3.0	06AC, 20, 20CD, 46, 46AA

Alliance 20DA *Adenostylyon alliariae***Subalpine tall-forb vegetation**

No. of relevés: 349

Diagnostic species (6)

<i>Adenostyles alliariae</i>	C, Dm	36.7	39BB, 39BC, 46
<i>Doronicum austriacum</i>	C, Dm	27.5	39BB
<i>Athyrium distentifolium</i>	C, Dm	25.7	39BC, 44
<i>Brachythecium reflexum</i>	Dm	25.4	
<i>Veratrum album</i>	C	24.4	17BF
<i>Rumex alpestris</i>	C	24.0	20

Constant species (15)

<i>Adenostyles alliariae</i>	Dg, Dm	81.0	39BB, 39BC, 46
<i>Rumex alpestris</i>	Dg	68.0	20, 20CC, 39BC, 43AE
<i>Veratrum album</i>	Dg	64.0	17BF, 20, 20CA
<i>Ligusticum mutellina</i>		61.0	13, 13AA, 17EB, 19AC, 20, 20CA, 20CB, 30, 30AA, 30AB, 30BA, 45, 47AA
<i>Homogyne alpina</i>		50.0	13, 13AA, 20, 20CA, 20CB, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Calamagrostis villosa</i>		50.0	18, 18AA, 20, 20CA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 46, 46AA
<i>Viola biflora</i>		49.0	19, 19AA, 19AC, 19AE, 20, 20CB, 20CE, 46, 46AA

<i>Soldanella carpatica</i>		45.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Milium effusum</i>		45.0	39BB
<i>Doronicum austriacum</i>	Dg, Dm	45.0	39BB
<i>Geranium sylvaticum</i>		44.0	17EA, 20, 20CC, 20CE, 46, 46AA
<i>Athyrium distentifolium</i>	Dg, Dm	43.0	39BC, 44
<i>Alchemilla</i> spec. div.		43.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Aconitum firmum</i>		42.0	19, 19AA, 20CB
<i>Hypericum maculatum</i>		41.0	07, 07AC, 17EA, 17EB, 20, 20CC, 20CE, 43AE, 46, 46AA, 47, 47AB, 47AC
Dominant species (6)			
<i>Adenostyles alliariae</i>	Dg, C	46.0	20, 39BB, 39BC
<i>Athyrium distentifolium</i>	Dg, C	19.0	20, 39BC
<i>Doronicum austriacum</i>	Dg, C	5.0	
<i>Pseudoleskea incurvata</i>		3.0	
<i>Lactuca alpina</i>		3.0	
<i>Brachythecium reflexum</i>	Dg	3.0	

Alliance 20EA *Petasition officinalis***Aluvial tall-forb vegetation with *Petasites* spec. div.**

No. of relevés: 665

Diagnostic species (6)

<i>Petasites hybridus</i>	C, Dm	40.0	20, 31AA
<i>Petasites kablikianus</i>	Dm	35.5	
<i>Orobancha flava</i>		32.8	
<i>Chaerophyllum hirsutum</i>	C, Dm	26.9	20
<i>Carduus personata</i>		26.0	
<i>Geranium phaeum</i>		24.6	43AD

Constant species (11)

<i>Urtica dioica</i>		79.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Chaerophyllum hirsutum</i>	Dg, Dm	74.0	19, 19AE, 20, 31AA
<i>Stellaria nemorum</i>		67.0	19, 19AA, 20, 39BB, 39BC, 43AE
<i>Petasites hybridus</i>	Dg, Dm	59.0	31AA
<i>Ranunculus repens</i>		44.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Poa trivialis</i>		44.0	17BA, 31AA, 43, 43AC, 43AD
<i>Chrysosplenium alternifolium</i>		44.0	19BC
<i>Myosotis scorpioides</i> agg.		43.0	01, 17BA, 17BF, 17CD, 19BC, 31, 31AA, 31AB, 32, 32CA
<i>Dactylis glomerata</i>		43.0	10BA, 10BB, 17, 17AA, 17EA, 31AA, 43, 43AC
<i>Impatiens noli-tangere</i>		42.0	19BC, 27BC, 28BA
<i>Geum rivale</i>		42.0	46

Dominant species (4)

<i>Petasites hybridus</i>	Dg, C	51.0	20, 22BB, 31AA
<i>Petasites kablikianus</i>	Dg	20.0	20
<i>Rumex alpinus</i>		15.0	20, 43, 43AE
<i>Chaerophyllum hirsutum</i>	Dg, C	6.0	19BC, 36CC

Class 22 *Phragmito-Magnocaricetea***Vegetation of reeds and sedge-dominated fresh-water and brakish swamps**

No. of relevés: 2754

Diagnostic species (5)

<i>Carex acuta</i>	C, Dm	34.1	22EA
<i>Glyceria maxima</i>	Dm	30.4	22AA
<i>Lythrum salicaria</i>	C	28.6	
<i>Carex vesicaria</i>	Dm	27.7	22EA
<i>Galium palustre</i> agg.	C	24.8	01, 31

Constant species (7)

<i>Lythrum salicaria</i>	Dg	41.0	01, 17CD, 22EA, 31
<i>Galium palustre</i> agg.	Dg	39.0	01, 01BA, 17BE, 17BF, 22EA, 31, 31AC, 32, 32CA, 32CB
<i>Lysimachia vulgaris</i>		33.0	01, 01AA, 01BA, 17BC, 17BF, 18, 18AA, 22EA, 31, 31AB
<i>Carex acuta</i>	Dg, Dm	31.0	22EA
<i>Ranunculus repens</i>		28.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Iris pseudacorus</i>		26.0	01, 31, 31AC
<i>Caltha palustris</i>		26.0	01, 01BA, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22EA, 32, 32AB, 32CA, 32CC

Dominant species (10)

<i>Carex acuta</i>	Dg, C	12.0	22EA
<i>Phragmites australis</i>		7.0	01AA, 22AA
<i>Glyceria maxima</i>	Dg	5.0	22AA
<i>Carex acutiformis</i>		5.0	01, 01BA, 22EA
<i>Typha latifolia</i>		4.0	22AA
<i>Carex riparia</i>		4.0	01, 01BA, 22EA, 31, 31AC
<i>Carex elata</i>		4.0	22EA
<i>Sparganium erectum</i>		3.0	22AA
<i>Phalaris arundinacea</i>		3.0	22BB, 22EA, 31, 31AC
<i>Carex vesicaria</i>	Dg	3.0	22EA

Alliance 22AA *Phragmition australis***Reed beds of shallow eutrophic still waters**

No. of relevés: 746

Diagnostic species (1)

<i>Glyceria maxima</i>	Dm	25.5	22
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Constant species (0)**Dominant species (6)**

<i>Phragmites australis</i>		25.0	01AA, 22
<i>Glyceria maxima</i>	Dg	17.0	22
<i>Typha latifolia</i>		14.0	22
<i>Sparganium erectum</i>		9.0	22
<i>Typha angustifolia</i>		5.0	
<i>Schoenoplectus lacustris</i>		4.0	

Alliance 22BA Sparganio-Glycerion**Reed vegetation of brooks in lowlands to hills**

No. of relevés: 178

Diagnostic species (2)

<i>Berula erecta</i>	Dm	34.7	
<i>Glyceria notata</i>	Dm	31.1	

Constant species (0)**Dominant species (6)**

<i>Glyceria fluitans</i>		22.0	
<i>Glyceria notata</i>	Dg	21.0	
<i>Berula erecta</i>	Dg	12.0	
<i>Glyceria nemoralis</i>		10.0	
<i>Leersia oryzoides</i>		7.0	
<i>Galium palustre</i> agg.		3.0	

Alliance 22BB Phalaridion arundinaceae**Riverine reed vegetation in colline to montane belt**

No. of relevés: 127

Diagnostic species (6)

<i>Carex buekii</i>	Dm	38.7	
<i>Phalaris arundinacea</i>	C, Dm	37.7	31, 31AB, 31AC
<i>Calamagrostis pseudophragmites</i>	Dm	34.8	31AA
<i>Rumex aquaticus</i>		26.6	
<i>Epilobium roseum</i>		25.5	
<i>Poa palustris</i>	C	24.3	17BF, 31

Constant species (3)

<i>Phalaris arundinacea</i>	Dg, Dm	89.0	31, 31AB, 31AC
<i>Poa palustris</i>	Dg	52.0	17BF, 31
<i>Ranunculus repens</i>		48.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE

Dominant species (4)

<i>Phalaris arundinacea</i>	Dg, C	38.0	22, 22EA, 31, 31AC
<i>Carex buekii</i>	Dg	20.0	
<i>Petasites hybridus</i>		9.0	20, 20EA, 31AA
<i>Calamagrostis pseudophragmites</i>	Dg	6.0	

Alliance 22CA Oenanthion aquaticae**Periodically inundated tall-herb vegetation on eutrophic muddy substrata**

No. of relevés: 235

Diagnostic species (2)

<i>Phellandrium aquaticum</i>	C, Dm	35.5	
<i>Rorippa amphibia</i>	C, Dm	33.2	

Constant species (2)

<i>Rorippa amphibia</i>	Dg, Dm	54.0	
<i>Phellandrium aquaticum</i>	Dg, Dm	50.0	

Dominant species (8)

<i>Eleocharis palustris</i> agg.		18.0	
<i>Rorippa amphibia</i>	Dg, C	17.0	
<i>Phellandrium aquaticum</i>	Dg, C	9.0	
<i>Butomus umbellatus</i>		7.0	
<i>Scirpus radicans</i>		4.0	
<i>Sagittaria sagittifolia</i>		4.0	

<i>Bolboschoenus maritimus</i>	3.0	22DA
<i>Agrostis stolonifera</i>	3.0	11AA, 17BB, 17BE, 17CA

Alliance 22DA *Cirsio brachycephali-Bolboschoenion compacti*Vegetation of brackish and alkaline periodical waters with *Schoenoplectus tabernaemontani*

No. of relevés: 42

Diagnostic species (2)

<i>Schoenoplectus tabernaemontani</i>	C, Dm	66.8	11AB
<i>Bolboschoenus maritimus</i>	Dm	25.1	

Constant species (1)

<i>Schoenoplectus tabernaemontani</i>	Dg, Dm	79.0	11AB
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Dominant species (4)

<i>Schoenoplectus tabernaemontani</i>	Dg, C	48.0	11AB
<i>Bolboschoenus maritimus</i>	Dg	17.0	22CA
<i>Schoenoplectus triqueter</i>		5.0	
<i>Campylium stellatum</i> agg.		5.0	19BC, 32AB

Alliance 22EA *Magnocaricion elatae*

Tall-sedge beds

No. of relevés: 1426

Diagnostic species (2)

<i>Carex vesicaria</i>	Dm	27.9	22
<i>Carex acuta</i>	C, Dm	25.4	22

Constant species (5)

<i>Galium palustre</i> agg.		57.0	01, 01BA, 17BE, 17BF, 22, 31, 31AC, 32, 32CA, 32CB
<i>Lythrum salicaria</i>		53.0	01, 17CD, 22, 31
<i>Lysimachia vulgaris</i>		48.0	01, 01AA, 01BA, 17BC, 17BF, 18, 18AA, 22, 31, 31AB
<i>Carex acuta</i>	Dg, Dm	47.0	22
<i>Caltha palustris</i>		42.0	01, 01BA, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22, 32, 32AB, 32CA, 32CC

Dominant species (9)

<i>Carex acuta</i>	Dg, C	23.0	22
<i>Carex acutiformis</i>		9.0	01, 01BA, 22
<i>Carex riparia</i>		8.0	01, 01BA, 22, 31, 31AC
<i>Carex elata</i>		8.0	22
<i>Carex vesicaria</i>	Dg	5.0	22
<i>Carex rostrata</i>		4.0	18, 18AA, 32BB, 32BE, 32CA
<i>Carex paniculata</i>		4.0	17BA
<i>Phalaris arundinacea</i>		3.0	22, 22BB, 31, 31AC
<i>Carex vulpina</i> agg.		3.0	

Class 23 *Polygono arenastri-Poetea annuae*

Therophyte-rich vegetation of trampled habitats

No. of relevés: 240

Diagnostic species (9)

<i>Matricaria discoidea</i>	C, Dm	63.8	23AA
<i>Poa annua</i> agg.	C, Dm	61.5	17DA, 17EC, 23AA, 23AB
<i>Sclerochloa dura</i>	C, Dm	57.0	23AA
<i>Polygonum aviculare</i> agg.	C, Dm	55.5	23AA, 33AB
<i>Plantago major</i>	C	47.7	17DA
<i>Capsella bursa-pastoris</i>	C	42.5	33
<i>Lolium perenne</i>	C	42.2	

<i>Lepidium ruderales</i>	Dm	30.0	
<i>Taraxacum</i> sect. <i>Ruderalia</i>	C	24.7	
Constant species (9)			
<i>Polygonum aviculare</i> agg.	Dg, Dm	80.0	23AA, 33, 33AA, 33AB, 33BA, 33DC
<i>Poa annua</i> agg.	Dg, Dm	77.0	17DA, 17EC, 23AA, 23AB
<i>Plantago major</i>	Dg	72.0	04, 17CA, 17DA, 17EC, 23AA, 23AB, 33AB, 33BB
<i>Matricaria discoidea</i>	Dg, Dm	60.0	23AA
<i>Capsella bursa-pastoris</i>	Dg	54.0	17EC, 23AA, 33, 33AC, 33BA, 33BB, 33BC, 33DA
<i>Taraxacum</i> sect. <i>Ruderalia</i>	Dg	52.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23AA, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Lolium perenne</i>	Dg	49.0	23AA
<i>Sclerochloa dura</i>	Dg, Dm	34.0	
<i>Trifolium repens</i>		33.0	17, 17AA, 17AB, 17BE, 17CA, 17DA, 17EA, 17EB, 17EC
Dominant species (5)			
<i>Polygonum aviculare</i> agg.	Dg, C	19.0	23AA
<i>Poa annua</i> agg.	Dg, C	16.0	17EC, 23AA
<i>Sclerochloa dura</i>	Dg, C	10.0	23AA
<i>Lepidium ruderales</i>	Dg	4.0	23AA
<i>Matricaria discoidea</i>	Dg, C	3.0	17EC, 23AA

Alliance 23AA *Matricario matricarioidis-Polygonion arenastri*

Therophyte-rich vegetation of drier trampled places

No. of relevés: 223

Diagnostic species (4)			
<i>Sclerochloa dura</i>	Dm	57.1	23
<i>Matricaria discoidea</i>	C, Dm	37.6	23
<i>Polygonum aviculare</i> agg.	C, Dm	27.4	23, 33AB
<i>Poa annua</i> agg.	C, Dm	27.4	17DA, 17EC, 23, 23AB
Constant species (7)			
<i>Polygonum aviculare</i> agg.	Dg, Dm	85.0	23, 33, 33AA, 33AB, 33BA, 33DC
<i>Poa annua</i> agg.	Dg, Dm	77.0	17DA, 17EC, 23, 23AB
<i>Plantago major</i>		72.0	04, 17CA, 17DA, 17EC, 23, 23AB, 33AB, 33BB
<i>Matricaria discoidea</i>	Dg, Dm	63.0	23
<i>Capsella bursa-pastoris</i>		56.0	17EC, 23, 33, 33AC, 33BA, 33BB, 33BC, 33DA
<i>Taraxacum</i> sect. <i>Ruderalia</i>		52.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AB, 29, 29AB, 33, 33DA, 43AC
<i>Lolium perenne</i>		52.0	23
Dominant species (5)			
<i>Polygonum aviculare</i> agg.	Dg, C	20.0	23
<i>Poa annua</i> agg.	Dg, C	17.0	17EC, 23
<i>Sclerochloa dura</i>	Dg	10.0	23
<i>Matricaria discoidea</i>	Dg, C	4.0	17EC, 23
<i>Lepidium ruderales</i>		4.0	23

Alliance 23AB *Saginion procumbentis***Strongly trampled vegetation of moister places**

No. of relevés: 17

Diagnostic species (6)

<i>Sagina procumbens</i>	Dm	28.1	12AB
<i>Bryum argenteum</i>	Dm	27.9	
<i>Poa annua</i> agg.	C	27.3	17DA, 17EC, 23, 23AA
<i>Funaria hygrometrica</i>	Dm	27.1	
<i>Veronica serpyllifolia</i>	Dm	24.7	
<i>Herniaria glabra</i>	Dm	24.1	

Constant species (3)

<i>Poa annua</i> agg.	Dg	76.0	17DA, 17EC, 23, 23AA
<i>Plantago major</i>		71.0	04, 17CA, 17DA, 17EC, 23, 23AA, 33AB, 33BB
<i>Taraxacum</i> sect. <i>Ruderalia</i>		47.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 29, 29AB, 33, 33DA, 43AC

Dominant species (6)

<i>Bryum argenteum</i>	Dg	18.0	
<i>Veronica serpyllifolia</i>	Dg	6.0	
<i>Spergularia rubra</i>		6.0	
<i>Sagina procumbens</i>	Dg	6.0	
<i>Herniaria glabra</i>	Dg	6.0	
<i>Funaria hygrometrica</i>	Dg	6.0	

Class 24 *Potametea***Communities of rooted, floating or submerged plants in mesotrophic and eutrophic fresh waters**

No. of relevés: 408

Diagnostic species (12)

<i>Ceratophyllum demersum</i>	C	42.5	15, 15CA, 24AA, 24AB
<i>Nuphar lutea</i>	Dm	37.8	24AA
<i>Ranunculus circinatum</i>	Dm	36.1	24BB
<i>Potamogeton crispus</i>	Dm	33.6	24AB
<i>Nymphaea alba</i>	Dm	32.4	24AA
<i>Myriophyllum spicatum</i>	C, Dm	32.0	24BA
<i>Potamogeton perfoliatus</i>	Dm	29.2	24AB
<i>Trapa natans</i>	Dm	28.1	24AA
<i>Potamogeton pectinatus</i>	Dm	27.0	24AC, 41
<i>Myriophyllum verticillatum</i>		26.9	
<i>Potamogeton nodosus</i>	Dm	26.3	24BA
<i>Potamogeton lucens</i>	Dm	25.9	24AB

Constant species (3)

<i>Ceratophyllum demersum</i>	Dg	39.0	15, 15CA, 24AA, 24AB
<i>Lemna minor</i>		31.0	15, 15AA, 15BA, 15CA, 41
<i>Myriophyllum spicatum</i>	Dg, Dm	27.0	24BA

Dominant species (14)

<i>Nuphar lutea</i>	Dg	9.0	24AA
<i>Potamogeton pectinatus</i>	Dg	7.0	24AB, 24AC
<i>Potamogeton nodosus</i>	Dg	7.0	24BA
<i>Trapa natans</i>	Dg	5.0	24AA
<i>Nymphaea alba</i>	Dg	5.0	24AA
<i>Hottonia palustris</i>		5.0	24BB
<i>Potamogeton natans</i>		4.0	24AA
<i>Potamogeton lucens</i>	Dg	4.0	16, 16BB, 24AB
<i>Potamogeton pusillus</i> agg.		3.0	24AC

<i>Potamogeton perfoliatus</i>	Dg	3.0	24AB
<i>Potamogeton crispus</i>	Dg	3.0	24AB
<i>Najas marina</i>		3.0	24AC
<i>Myriophyllum spicatum</i>	Dg, C	3.0	24AB, 24BA
<i>Ranunculus circinatum</i>	Dg	3.0	24BB

Alliance 24AA *Nymphaeion albae*

Communities of rooted macrophytes with floating leaves in nutrient-rich fresh waters

No. of relevés: 157

Diagnostic species (4)

<i>Nuphar lutea</i>	C, Dm	48.8	24
<i>Nymphaea alba</i>	Dm	45.6	24
<i>Trapa natans</i>	Dm	36.2	24
<i>Ceratophyllum demersum</i>	C	28.6	15, 15CA, 24, 24AB

Constant species (2)

<i>Ceratophyllum demersum</i>	Dg	50.0	15, 15CA, 24, 24AB
<i>Nuphar lutea</i>	Dg, Dm	43.0	

Dominant species (5)

<i>Nuphar lutea</i>	Dg, C	23.0	24
<i>Trapa natans</i>	Dg	13.0	24
<i>Nymphaea alba</i>	Dg	13.0	24
<i>Potamogeton natans</i>		11.0	24
<i>Persicaria amphibia</i>		5.0	

Alliance 24AB *Potamion lucentis*

Vegetation dominated by floating rooted broad-leaved *Potamogeton* species

No. of relevés: 77

Diagnostic species (5)

<i>Potamogeton crispus</i>	Dm	34.0	24
<i>Potamogeton lucens</i>	Dm	31.3	24
<i>Potamogeton perfoliatus</i>	Dm	30.9	24
<i>Elodea canadensis</i>	Dm	27.9	
<i>Ceratophyllum demersum</i>	C	25.3	15, 15CA, 24, 24AA

Constant species (1)

<i>Ceratophyllum demersum</i>	Dg	44.0	15, 15CA, 24, 24AA
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Dominant species (8)

<i>Potamogeton lucens</i>	Dg	18.0	16, 16BB, 24
<i>Potamogeton crispus</i>	Dg	18.0	24
<i>Potamogeton perfoliatus</i>	Dg	14.0	24
<i>Elodea canadensis</i>	Dg	9.0	
<i>Myriophyllum verticillatum</i>		8.0	
<i>Myriophyllum spicatum</i>		8.0	24, 24BA
<i>Potamogeton pectinatus</i>		3.0	24, 24AC
<i>Chara fragilis</i>		3.0	41, 41BA

Alliance 24AC *Potamion pusilli*

Rooted aquatic vegetation in moderate to deep still waters

No. of relevés: 70

Diagnostic species (3)

<i>Potamogeton pectinatus</i>	C, Dm	44.9	24, 41
<i>Najas marina</i>	Dm	38.8	41
<i>Potamogeton pusillus</i> agg.	C, Dm	36.2	41, 41BA

Constant species (2)

<i>Potamogeton pectinatus</i>	Dg, Dm	54.0	
<i>Potamogeton pusillus</i> agg.	Dg, Dm	41.0	41

Dominant species (4)

<i>Potamogeton pectinatus</i>	Dg, C	40.0	24, 24AB
<i>Najas marina</i>	Dg	19.0	24
<i>Potamogeton pusillus</i> agg.	Dg, C	17.0	24
<i>Najas minor</i>		7.0	

Alliance 24BA *Ranunculion fluitantis***Crowfoot and milfoil vegetation of moving waters and water margins**

No. of relevés: 40

Diagnostic species (4)

<i>Potamogeton nodosus</i>	C, Dm	76.3	24
<i>Groenlandia densa</i>	Dm	34.9	
<i>Myriophyllum spicatum</i>	C, Dm	29.3	24
<i>Sparganium emersum</i>	Dm	27.7	

Constant species (2)

<i>Potamogeton nodosus</i>	Dg, Dm	68.0	
<i>Myriophyllum spicatum</i>	Dg, Dm	45.0	24

Dominant species (4)

<i>Potamogeton nodosus</i>	Dg, C	65.0	24
<i>Groenlandia densa</i>	Dg	12.0	
<i>Myriophyllum spicatum</i>	Dg, C	8.0	24, 24AB
<i>Chara foetida</i>		5.0	15BA

Alliance 24BB *Ranunculion aquatilis***Crosswort vegetation of shallow water and margins of streams, ditches and pools**

No. of relevés: 64

Diagnostic species (3)

<i>Hottonia palustris</i>	Dm	47.3	
<i>Potamogeton gramineus</i>	Dm	41.7	
<i>Ranunculus circinatum</i>	Dm	28.2	24

Constant species (0)**Dominant species (5)**

<i>Hottonia palustris</i>	Dg	30.0	24
<i>Ranunculus circinatum</i>	Dg	17.0	24
<i>Potamogeton gramineus</i>	Dg	14.0	
<i>Ranunculus aquatilis</i>		6.0	
<i>Ranunculus trichophyllus</i>		5.0	

Class 25 *Pulsatillo-Pinetea sylvestris***Continental thermophilous pine forest on sandy soils**

No. of relevés: 24

Diagnostic species (41)

<i>Lathyrus niger</i>	C	53.8	25AA, 27AB
<i>Dactylis polygama</i>	C	52.6	25AA, 27AC
<i>Clinopodium vulgare</i>	C	49.1	25AA, 27AB
<i>Quercus petraea</i> agg.	C, Dm	47.3	25AA, 26, 26AA, 27AB, 27AD, 27BB
<i>Lactuca quercina</i>		45.9	25AA
<i>Cruciata glabra</i>	C	44.7	
<i>Trifolium flexuosum</i>	C	43.6	
<i>Melica nutans</i>	C	43.0	25AA
<i>Crataegus laevigata</i>	C	40.4	27AB
<i>Viola reichenbachiana</i>	C	39.5	27
<i>Symphytum tuberosum</i>	C	39.3	
<i>Astragalus glycyphyllos</i>	C	39.1	27AB
<i>Vicia angustifolia</i>		37.6	33AB

<i>Poa nemoralis</i>	C, Dm	37.6	
<i>Bromus benekenii</i>	C	37.6	
<i>Verbascum phoeniceum</i>		37.1	25AA
<i>Veronica chamaedrys</i> agg.	C	35.8	
<i>Brachythecium velutinum</i>	C	35.7	
<i>Rosa canina</i> agg.	C	35.5	28, 28AA, 50, 50AB
<i>Hieracium murorum</i>	C	35.4	
<i>Campanula rapunculoides</i>	C	35.0	02AC, 08
<i>Melittis melissophyllum</i>	C	34.9	
<i>Digitalis grandiflora</i>	C	34.9	
<i>Luzula luzuloides</i>	C, Dm	34.0	47
<i>Cornus mas</i>	C	33.7	27AA
<i>Cardamine bulbifera</i>	C	33.5	27, 27BC, 27BD
<i>Galium schultesii</i>	C	33.3	
<i>Veronica officinalis</i>	C	32.4	
<i>Luzula pilosa</i>	C	32.4	
<i>Lonicera xylosteum</i>	C	32.2	
<i>Lactuca muralis</i>	C	28.8	27
<i>Campanula persicifolia</i>	C	28.4	
<i>Tortula subulata</i>		28.1	25AA
<i>Securigera elegans</i>		27.7	
<i>Fragaria viridis</i>	C	27.7	37
<i>Orchis purpurea</i>		27.5	
<i>Sorbus torminalis</i>		27.2	27AA, 27AB
<i>Vicia pisiformis</i>		26.7	27AC
<i>Lathyrus vernus</i>	C	25.8	27BB, 46, 46AA
<i>Moehringia trinervia</i>		25.6	
Constant species (45)			
<i>Quercus petraea</i> agg.	Dg, Dm	88.0	25AA, 26, 26AA, 26BA, 27, 27AB, 27AD, 27BB, 27BE, 37BB, 50
<i>Poa nemoralis</i>	Dg, Dm	79.0	02AC, 03CD, 25AA, 26, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 46AA, 50
<i>Luzula luzuloides</i>	Dg, Dm	79.0	07, 20, 20CA, 20CC, 20CE, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Cruciata glabra</i>	Dg	79.0	10BA, 10BB, 17, 17AA, 17AB, 17EA, 20CC, 25AA, 27AB, 47, 47AC
<i>Veronica chamaedrys</i> agg.	Dg	71.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Clinopodium vulgare</i>	Dg	71.0	25AA, 27AB
<i>Rosa canina</i> agg.	Dg	67.0	25AA, 27AD, 28, 28AA, 37BB, 50, 50AB
<i>Hieracium murorum</i>	Dg	62.0	25AA, 26, 26AA, 27, 27AD, 27BE, 39, 39BB, 39BD
<i>Melica nutans</i>	Dg	58.0	25AA, 28AB, 46
<i>Dactylis polygama</i>	Dg	58.0	25AA, 27AB, 27AC, 27BB
<i>Viola reichenbachiana</i>	Dg	50.0	25AA, 27, 27AC, 27BB, 27BD
<i>Veronica officinalis</i>	Dg	50.0	07, 25AA, 27AD, 27BE, 47, 47AC
<i>Lactuca muralis</i>	Dg	50.0	02AC, 07, 07AA, 25AA, 26, 26BA, 27, 27BB, 27BC, 27BD, 27BE, 39, 39BD
<i>Galium schultesii</i>	Dg	50.0	25AA, 26, 27, 27BB
<i>Fragaria vesca</i>		50.0	07, 07AA, 20CD, 25AA, 26, 27, 27AB, 27BB, 28, 28BA, 39BD, 46, 46AA
<i>Campanula rapunculoides</i>	Dg	50.0	02AC, 08, 25AA

<i>Lathyrus niger</i>	Dg	46.0	25AA, 27AB
<i>Digitalis grandiflora</i>	Dg	46.0	20CC, 20CD, 25AA, 46
<i>Crataegus laevigata</i>	Dg	46.0	25AA, 27AB, 27AC, 28
<i>Symphytum tuberosum</i>	Dg	42.0	25AA
<i>Pinus sylvestris</i>	Dm	42.0	08, 08AA, 18, 18AA, 25AA, 26, 26BA, 39CA, 48AC
<i>Hypericum perforatum</i>		42.0	07, 07AA, 10, 10AB, 10CA, 25AA, 28AC, 37, 37AB, 37BB, 48, 50
<i>Galium mollugo</i> agg.		42.0	17AA, 25AA, 27AA, 28, 28AA, 28AC, 31AA, 36, 36CA, 36CB, 36CC, 37
<i>Astragalus glycyphyllos</i>	Dg	38.0	27AB
<i>Trifolium flexuosum</i>	Dg	33.0	
<i>Senecio nemorensis</i> agg.		33.0	07, 07AA, 07AC, 20, 27, 27BC, 27BD, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Rubus idaeus</i>	Dm	33.0	07, 07AA, 07AC, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 43AE, 44, 46, 46AA
<i>Tanacetum corymbosum</i> agg.		33.0	20CC, 20CD, 27AA, 27AB, 46, 46AA
<i>Picea abies</i>		33.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Melittis melissophyllum</i>	Dg	33.0	
<i>Lonicera xylosteum</i>	Dg	33.0	
<i>Lathyrus vernus</i>	Dg	33.0	27, 27BB, 46, 46AA
<i>Cardamine bulbifera</i>	Dg	33.0	27, 27BC, 27BD
<i>Campanula persicifolia</i>	Dg	33.0	
<i>Brachythecium velutinum</i>	Dg	33.0	
<i>Prunus spinosa</i>		29.0	27AB, 27AC, 28, 28AA, 50
<i>Luzula pilosa</i>	Dg	29.0	
<i>Genista pilosa</i>		29.0	08, 10AF, 27AD, 37BB, 48, 48AA
<i>Fragaria viridis</i>	Dg	29.0	37
<i>Fagus sylvatica</i>		29.0	07, 07AA, 07AC, 26, 26AA, 27, 27BB, 27BC, 27BD, 27BE, 28BA, 39, 39BD, 39CA
<i>Cornus mas</i>	Dg	29.0	27AA
<i>Carpinus betulus</i>		29.0	26, 26AA, 27, 27AB, 27AC, 27AD, 27BB
<i>Bromus benekenii</i>	Dg	29.0	
<i>Alliaria petiolata</i>		29.0	29, 29AB
<i>Acer campestre</i>		29.0	27, 27AA, 27AB, 27AC, 27BB
Dominant species (6)			
<i>Quercus petraea</i> agg.	Dg, C	62.0	25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 27BE
<i>Poa nemoralis</i>	Dg, C	12.0	25AA, 27AB, 27BB
<i>Pinus sylvestris</i>	C	12.0	08, 08AA, 25AA, 26, 26BA
<i>Rubus idaeus</i>	C	4.0	07, 07AC, 25AA, 28BA, 39BD
<i>Luzula luzuloides</i>	Dg, C	4.0	25AA, 26, 26AA, 27BE
<i>Calamagrostis arundinacea</i>		4.0	07, 07AC, 17EC, 20, 20CC, 25AA, 27BE, 39BD, 46, 46AA, 47AB

Alliance 25AA Cytiso ruthenici-Pinion**Sub-continental thermophilous oak-pine forest on sandy soils**

No. of relevés: 24

Diagnostic species (8)

<i>Lactuca quercina</i>		34.1	25
<i>Dactylis polygama</i>	C	29.1	25, 27AC
<i>Lathyrus niger</i>	C	28.9	25, 27AB
<i>Clinopodium vulgare</i>	C	27.9	25, 27AB
<i>Quercus petraea</i> agg.	C, Dm	27.7	25, 26, 26AA, 27AB, 27AD, 27BB
<i>Melica nutans</i>	C	26.6	25
<i>Verbascum phoeniceum</i>		26.0	25
<i>Tortula subulata</i>		24.9	25

Constant species (23)

<i>Quercus petraea</i> agg.	Dg, Dm	88.0	25, 26, 26AA, 26BA, 27, 27AB, 27AD, 27BB, 27BE, 37BB, 50
<i>Poa nemoralis</i>	Dm	79.0	02AC, 03CD, 25, 26, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 46AA, 50
<i>Luzula luzuloides</i>	Dm	79.0	07, 20, 20CA, 20CC, 20CE, 25, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Cruciata glabra</i>		79.0	10BA, 10BB, 17, 17AA, 17AB, 17EA, 20CC, 25, 27AB, 47, 47AC
<i>Veronica chamaedrys</i> agg.		71.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Clinopodium vulgare</i>	Dg	71.0	25, 27AB
<i>Rosa canina</i> agg.		67.0	25, 27AD, 28, 28AA, 37BB, 50, 50AB
<i>Hieracium murorum</i>		62.0	25, 26, 26AA, 27, 27AD, 27BE, 39, 39BB, 39BD
<i>Melica nutans</i>	Dg	58.0	25, 28AB, 46
<i>Dactylis polygama</i>	Dg	58.0	25, 27AB, 27AC, 27BB
<i>Viola reichenbachiana</i>		50.0	25, 27, 27AC, 27BB, 27BD
<i>Veronica officinalis</i>		50.0	07, 25, 27AD, 27BE, 47, 47AC
<i>Lactuca muralis</i>		50.0	02AC, 07, 07AA, 25, 26, 26BA, 27, 27BB, 27BC, 27BD, 27BE, 39, 39BD
<i>Galium schultesii</i>		50.0	25, 26, 27, 27BB
<i>Fragaria vesca</i>		50.0	07, 07AA, 20CD, 25, 26, 27, 27AB, 27BB, 28, 28BA, 39BD, 46, 46AA
<i>Campanula rapunculoides</i>		50.0	02AC, 08, 25
<i>Lathyrus niger</i>	Dg	46.0	25, 27AB
<i>Digitalis grandiflora</i>		46.0	20CC, 20CD, 25, 46
<i>Crataegus laevigata</i>		46.0	25, 27AB, 27AC, 28
<i>Symphytum tuberosum</i>		42.0	25
<i>Pinus sylvestris</i>	Dm	42.0	08, 08AA, 18, 18AA, 25, 26, 26BA, 39CA, 48AC
<i>Hypericum perforatum</i>		42.0	07, 07AA, 10, 10AB, 10CA, 25, 28AC, 37, 37AB, 37BB, 48, 50
<i>Galium mollugo</i> agg.		42.0	17AA, 25, 27AA, 28, 28AA, 28AC, 31AA, 36, 36CA, 36CB, 36CC, 37
Dominant species (6)			
<i>Quercus petraea</i> agg.	Dg, C	62.0	25, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 27BE
<i>Poa nemoralis</i>	C	12.0	25, 27AB, 27BB
<i>Pinus sylvestris</i>	C	12.0	08, 08AA, 25, 26, 26BA
<i>Rubus idaeus</i>		4.0	07, 07AC, 25, 28BA, 39BD

<i>Luzula luzuloides</i>	C	4.0	25, 26, 26AA, 27BE
<i>Calamagrostis arundinacea</i>		4.0	07, 07AC, 17EC, 20, 20CC, 25, 27BE, 39BD, 46, 46AA, 47AB

Class 26 *Quercetea robori-petraeae***Acidophilous species-poor oak and oak-birch deciduous woods on nutrient-poor soils**

No. of relevés: 221

Diagnostic species (8)

<i>Quercus petraea</i> agg.	C, Dm	43.0	25, 25AA, 26AA, 27AB, 27AD, 27BB
<i>Hieracium sabaudum</i>		32.7	27AD
<i>Melampyrum pratense</i>	C	30.7	26AA, 27AD, 37BA
<i>Carpinus betulus</i>	C, Dm	28.9	27, 27AB, 27AD, 27BB
<i>Betula pendula</i>	C	28.8	
<i>Leucobryum glaucum</i>		27.8	26BA, 39CA
<i>Hieracium lachenalii</i>	C	24.8	
<i>Brachythecium starkei</i>		24.8	26BA

Constant species (20)

<i>Quercus petraea</i> agg.	Dg, Dm	80.0	25, 25AA, 26AA, 26BA, 27, 27AB, 27AD, 27BB, 27BE, 37BB, 50
<i>Luzula luzuloides</i>	Dm	58.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Avenella flexuosa</i>	Dm	47.0	13, 13AA, 20, 20CA, 20CC, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Pinus sylvestris</i>	Dm	46.0	08, 08AA, 18, 18AA, 25, 25AA, 26BA, 39CA, 48AC
<i>Hieracium murorum</i>		44.0	25, 25AA, 26AA, 27, 27AD, 27BE, 39, 39BB, 39BD
<i>Fagus sylvatica</i>		42.0	07, 07AA, 07AC, 25, 26AA, 27, 27BB, 27BC, 27BD, 27BE, 28BA, 39, 39BD, 39CA
<i>Carpinus betulus</i>	Dg, Dm	38.0	25, 26AA, 27, 27AB, 27AC, 27AD, 27BB
<i>Poa nemoralis</i>		33.0	02AC, 03CD, 25, 25AA, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 46AA, 50
<i>Melampyrum pratense</i>	Dg	33.0	26AA, 27AD, 37BA
<i>Frangula alnus</i>		33.0	01, 01BA, 18, 18AA, 26BA, 27AD, 39CA
<i>Betula pendula</i>	Dg	33.0	
<i>Pleurozium schreberi</i>	Dm	32.0	18, 18AA, 26BA, 39, 39CA, 44, 44AA, 45, 45AB, 48AD, 49
<i>Veronica chamaedrys</i> agg.		29.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Sorbus aucuparia</i>		29.0	07, 08, 08AA, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Hieracium lachenalii</i>	Dg	28.0	26AA, 27AD
<i>Galium schultesii</i>		28.0	25, 25AA, 27, 27BB
<i>Fragaria vesca</i>		27.0	07, 07AA, 20CD, 25, 25AA, 27, 27AB, 27BB, 28, 28BA, 39BD, 46, 46AA
<i>Lactuca muralis</i>		26.0	02AC, 07, 07AA, 25, 25AA, 26BA, 27, 27BB, 27BC, 27BD, 27BE, 39, 39BD
<i>Hypnum cupressiforme</i> agg.		26.0	03CD, 08, 08AA

<i>Dicranum scoparium</i>		26.0	03CD, 08, 18, 26BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA
Dominant species (9)			
<i>Quercus petraea</i> agg.	Dg, C	28.0	25, 25AA, 26AA, 27, 27AA, 27AB, 27AD, 27BB, 27BE
<i>Pinus sylvestris</i>	C	17.0	08, 08AA, 25, 25AA, 26BA
<i>Luzula luzuloides</i>	C	8.0	25, 25AA, 26AA, 27BE
<i>Vaccinium myrtillus</i>		7.0	20CA, 26AA, 27AD, 39, 39AA, 44, 44AA, 45, 45AB, 47, 47AB, 48, 48AD, 49, 49AB
<i>Calamagrostis epigejos</i>		7.0	07, 07AA, 07AC, 26BA
<i>Molinia caerulea</i> agg.		6.0	01BA, 17BC, 18, 18AA, 26AA, 40AB
<i>Pleurozium schreberi</i>	C	4.0	26BA, 45AB, 48AD
<i>Quercus pubescens</i> agg.		3.0	26AA, 27AA
<i>Carpinus betulus</i>	Dg, C	3.0	26AA, 27, 27BB, 27BC

Alliance 26AA *Genisto germanicae-Quercion*

Acidophilous species-poor oak woods

No. of relevés: 150

Diagnostic species (2)			
<i>Quercus petraea</i> agg.	C, Dm	28.1	25, 25AA, 26, 27AB, 27AD, 27BB
<i>Melampyrum pratense</i>	C	26.3	26, 27AD, 37BA
Constant species (10)			
<i>Quercus petraea</i> agg.	Dg, Dm	89.0	25, 25AA, 26, 26BA, 27, 27AB, 27AD, 27BB, 27BE, 37BB, 50
<i>Luzula luzuloides</i>	Dm	86.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Avenella flexuosa</i>	Dm	65.0	13, 13AA, 20, 20CA, 20CC, 26, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Fagus sylvatica</i>		61.0	07, 07AA, 07AC, 25, 26, 27, 27BB, 27BC, 27BD, 27BE, 28BA, 39, 39BD, 39CA
<i>Hieracium murorum</i>		59.0	25, 25AA, 26, 27, 27AD, 27BE, 39, 39BB, 39BD
<i>Carpinus betulus</i>	Dm	55.0	25, 26, 27, 27AB, 27AC, 27AD, 27BB
<i>Poa nemoralis</i>		48.0	02AC, 03CD, 25, 25AA, 26, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 46AA, 50
<i>Melampyrum pratense</i>	Dg	47.0	26, 27AD, 37BA
<i>Veronica chamaedrys</i> agg.		41.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26, 27, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Hieracium lachenalii</i>		41.0	26, 27AD
Dominant species (7)			
<i>Quercus petraea</i> agg.	Dg, C	41.0	25, 25AA, 26, 27, 27AA, 27AB, 27AD, 27BB, 27BE
<i>Luzula luzuloides</i>	C	11.0	25, 25AA, 26, 27BE
<i>Vaccinium myrtillus</i>		9.0	20CA, 26, 27AD, 39, 39AA, 44, 44AA, 45, 45AB, 47, 47AB, 48, 48AD, 49, 49AB
<i>Molinia caerulea</i> agg.		9.0	01BA, 17BC, 18, 18AA, 26, 40AB
<i>Quercus pubescens</i> agg.		4.0	26, 27AA
<i>Carpinus betulus</i>	C	4.0	26, 27, 27BB, 27BC
<i>Avenella flexuosa</i>	C	3.0	20CC, 37BA, 47, 47AB

Alliance 26BA *Pino-Quercion***Acidophilous pine-oak woods**

No. of relevés: 71

Diagnostic species (10)

<i>Pseudoscleropodium purum</i>	Dm	43.5	
<i>Brachythecium starkei</i>		41.9	26
<i>Phytolacca americana</i>		39.9	
<i>Pinus sylvestris</i>	C, Dm	33.5	08, 08AA, 18, 39CA
<i>Viscum album</i>		31.3	
<i>Festuca vaginata</i>	C	30.8	09, 09AA
<i>Carex supina</i>	Dm	30.3	
<i>Dicranum polysetum</i>		27.1	
<i>Calamagrostis epigejos</i>	C, Dm	25.8	07, 07AA
<i>Leucobryum glaucum</i>		25.3	26, 39CA

Constant species (10)

<i>Pinus sylvestris</i>	Dg, Dm	100.0	08, 08AA, 18, 18AA, 25, 25AA, 26, 39CA, 48AC
<i>Pleurozium schreberi</i>	Dm	70.0	18, 18AA, 26, 39, 39CA, 44, 44AA, 45, 45AB, 48AD, 49
<i>Calamagrostis epigejos</i>	Dg, Dm	66.0	07, 07AA, 28BA, 50
<i>Quercus petraea</i> agg.		62.0	25, 25AA, 26, 26AA, 27, 27AB, 27AD, 27BB, 27BE, 37BB, 50
<i>Frangula alnus</i>		51.0	01, 01BA, 18, 18AA, 26, 27AD, 39CA
<i>Lactuca muralis</i>		46.0	02AC, 07, 07AA, 25, 25AA, 26, 27, 27BB, 27BC, 27BD, 27BE, 39, 39BD
<i>Hylocomium splendens</i>	Dm	46.0	08, 39, 42, 42AA, 44, 44AA, 48AD
<i>Festuca vaginata</i>	Dg	44.0	09, 09AA
<i>Dicranum scoparium</i>	Dm	44.0	03CD, 08, 18, 26, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA
<i>Anthoxanthum odoratum</i> agg.		44.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB

Dominant species (7)

<i>Pinus sylvestris</i>	Dg, C	54.0	08, 08AA, 25, 25AA, 26
<i>Calamagrostis epigejos</i>	Dg, C	21.0	07, 07AA, 07AC, 26
<i>Pleurozium schreberi</i>	C	13.0	26, 45AB, 48AD
<i>Pseudoscleropodium purum</i>	Dg	4.0	
<i>Hylocomium splendens</i>	C	3.0	42AA, 45AB
<i>Dicranum scoparium</i>	C	3.0	44, 44AA
<i>Carex supina</i>	Dg	3.0	

Class 27 *Querco-Fagetea***Broad-leaved deciduous woodlands**

No. of relevés: 5669

Diagnostic species (17)

<i>Galium odoratum</i>	C	40.8	07, 27BD
<i>Fagus sylvatica</i>	C, Dm	35.3	07, 27BD, 27BE, 28BA
<i>Pulmonaria officinalis</i> agg.	C	34.5	
<i>Carex pilosa</i>	Dm	32.1	27BB
<i>Cardamine bulbifera</i>	C	31.3	25, 27BC, 27BD
<i>Viola reichenbachiana</i>	C	30.1	25
<i>Carpinus betulus</i>	C, Dm	29.9	26, 27AB, 27AD, 27BB
<i>Acer campestre</i>	C	29.7	27AB, 27AC, 27BB
<i>Acer platanoides</i>		27.8	27BC

<i>Mercurialis perennis</i>	C	27.4	27BC
<i>Asarum europaeum</i>	C	27.2	28AB
<i>Galeobdolon luteum</i> agg.	C	26.9	27BC
<i>Melica uniflora</i>	Dm	26.5	27BB
<i>Fraxinus excelsior</i>	C	25.4	
<i>Lactuca muralis</i>	C	25.3	25
<i>Acer pseudoplatanus</i>	C	24.3	27BC
<i>Actaea spicata</i>		24.1	27BC
Constant species (26)			
<i>Fagus sylvatica</i>	Dg, Dm	60.0	07, 07AA, 07AC, 25, 26, 26AA, 27BB, 27BC, 27BD, 27BE, 28BA, 39, 39BD, 39CA
<i>Lactuca muralis</i>	Dg	45.0	02AC, 07, 07AA, 25, 25AA, 26, 26BA, 27BB, 27BC, 27BD, 27BE, 39, 39BD
<i>Galium odoratum</i>	Dg	45.0	07, 07AA, 27BB, 27BC, 27BD, 28BA
<i>Viola reichenbachiana</i>	Dg	39.0	25, 25AA, 27AC, 27BB, 27BD
<i>Carpinus betulus</i>	Dg, Dm	39.0	25, 26, 26AA, 27AB, 27AC, 27AD, 27BB
<i>Acer pseudoplatanus</i>	Dg	39.0	07, 27BC, 27BD, 28BA, 39BD
<i>Dryopteris filix-mas</i> agg.		38.0	07, 07AC, 27BC, 27BD, 27BE, 28BA, 39, 39BB, 39BD, 46
<i>Quercus petraea</i> agg.	Dm	37.0	25, 25AA, 26, 26AA, 26BA, 27AB, 27AD, 27BB, 27BE, 37BB, 50
<i>Pulmonaria officinalis</i> agg.	Dg	37.0	27AC, 27BB, 27BC, 28AB
<i>Acer campestre</i>	Dg	37.0	25, 27AA, 27AB, 27AC, 27BB
<i>Poa nemoralis</i>		36.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 46AA, 50
<i>Fragaria vesca</i>		36.0	07, 07AA, 20CD, 25, 25AA, 26, 27AB, 27BB, 28, 28BA, 39BD, 46, 46AA
<i>Asarum europaeum</i>	Dg	35.0	27BC, 27BD, 28, 28AB, 46
<i>Geranium robertianum</i>		34.0	02AC, 03, 07, 27BC, 27BD, 36, 36CB, 36CC, 43AB
<i>Senecio nemorensis</i> agg.		32.0	07, 07AA, 07AC, 20, 25, 27BC, 27BD, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Mercurialis perennis</i>	Dg	32.0	20CD, 27BC, 27BD
<i>Cardamine bulbifera</i>	Dg	31.0	25, 27BC, 27BD
<i>Ajuga reptans</i>		31.0	27BB
<i>Oxalis acetosella</i>		30.0	27BC, 27BD, 27BE, 28AB, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44
<i>Galium schultesii</i>		30.0	25, 25AA, 26, 27BB
<i>Galeobdolon luteum</i> agg.	Dg	30.0	27BC, 27BD, 39BB, 39BD
<i>Hieracium murorum</i>		29.0	25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39BB, 39BD
<i>Corylus avellana</i>		29.0	28, 28AB, 28BA
<i>Lathyrus vernus</i>		27.0	25, 27BB, 46, 46AA
<i>Veronica chamaedrys</i> agg.		26.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26, 26AA, 27AA, 27AB, 27AD, 27BB, 43AD
<i>Fraxinus excelsior</i>	Dg	26.0	27BC
Dominant species (5)			
<i>Fagus sylvatica</i>	Dg, C	22.0	27BB, 27BC, 27BD, 27BE, 36CB
<i>Quercus petraea</i> agg.	C	12.0	25, 25AA, 26, 26AA, 27AA, 27AB, 27AD, 27BB, 27BE
<i>Carpinus betulus</i>	Dg, C	8.0	26, 26AA, 27BB, 27BC

<i>Melica uniflora</i>	Dg	3.0	27AA, 27BB
<i>Carex pilosa</i>	Dg	3.0	27BB

Alliance 27AA *Quercion pubescenti-petraeae***Thermophilous calciphilous oak forests**

No. of relevés: 392

Diagnostic species (16)

<i>Quercus pubescens</i> agg.	C, Dm	65.9	
<i>Cornus mas</i>	C	52.5	25
<i>Sorbus torminalis</i>	C	45.8	25, 27AB
<i>Lithospermum purpurocaeruleum</i>		39.3	27AC
<i>Oryzopsis virescens</i>		37.8	
<i>Viburnum lantana</i>	C	35.5	
<i>Melampyrum cristatum</i>		30.1	
<i>Ligustrum vulgare</i>	C	29.2	27AB, 27AC, 28
<i>Sorbus aria</i> agg.	C	28.2	08, 08AA
<i>Crataegus monogyna</i>	C	28.1	50
<i>Vincetoxicum hirundinaria</i>	C	27.5	08, 37
<i>Euphorbia epithymoides</i>		26.9	
<i>Asperula tinctoria</i>		25.4	08, 08AA
<i>Laser trilobum</i>		25.0	
<i>Teucrium chamaedrys</i>	C	24.6	10, 37, 37AA
<i>Fragaria moschata</i>		24.4	

Constant species (20)

<i>Cornus mas</i>	Dg	91.0	25
<i>Vincetoxicum hirundinaria</i>	Dg	80.0	08, 10AC, 10AF, 27AB, 27AC, 28AC, 36CA, 37, 37AA, 37BB
<i>Quercus pubescens</i> agg.	Dg, Dm	80.0	
<i>Teucrium chamaedrys</i>	Dg	72.0	10, 10AA, 10AB, 10AC, 10AF, 10BA, 28AC, 37, 37AA
<i>Ligustrum vulgare</i>	Dg	70.0	27AB, 27AC, 27BB, 28, 28AA
<i>Crataegus monogyna</i>	Dg	68.0	27AB, 28, 28AA, 29, 50
<i>Sorbus aria</i> agg.	Dg	62.0	08, 08AA
<i>Tanacetum corymbosum</i> agg.		60.0	20CC, 20CD, 25, 27AB, 46, 46AA
<i>Euphorbia cyparissias</i>		59.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AB, 28AC, 34, 37, 37AA, 50, 50AB
<i>Sorbus torminalis</i>	Dg	59.0	
<i>Acer campestre</i>		59.0	25, 27, 27AB, 27AC, 27BB
<i>Brachypodium pinnatum</i>	Dm	53.0	10, 10BA, 10BB, 37, 37AA, 37AB
<i>Galium mollugo</i> agg.		51.0	17AA, 25, 25AA, 28, 28AA, 28AC, 31AA, 36, 36CA, 36CB, 36CC, 37
<i>Securigera varia</i>		47.0	10BA, 37
<i>Pimpinella saxifraga</i>		47.0	10, 10BA, 10BB, 17, 17AA, 17AB, 37AB, 50
<i>Carex humilis</i>		47.0	08, 08AA, 10, 10AC, 10AF
<i>Veronica chamaedrys</i> agg.		46.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26, 26AA, 27, 27AB, 27AD, 27BB, 43AD
<i>Viola hirta</i>		42.0	10, 10BA, 10BB, 27AC, 37, 37AB
<i>Viburnum lantana</i>	Dg	42.0	
<i>Brachypodium sylvaticum</i>		42.0	07AA, 27AB, 27AC
Dominant species (6)			
<i>Quercus pubescens</i> agg.	Dg, C	26.0	26, 26AA

<i>Quercus petraea</i> agg.		8.0	25, 25AA, 26, 26AA, 27, 27AB, 27AD, 27BB, 27BE
<i>Quercus cerris</i>		4.0	27AB, 27AC, 27BB
<i>Melica uniflora</i>		4.0	27, 27BB
<i>Brachypodium pinnatum</i>	C	4.0	10, 10BB, 20CD, 37, 37AA
<i>Sesleria caerulea</i>		3.0	03, 03AB, 06AB, 08, 08AA, 10, 10AC, 10AF, 39BB

Alliance 27AB *Quercion confertae-cerris*

Thermophilous turkey oak forests

No. of relevés: 155

Diagnostic species (15)

<i>Quercus cerris</i>	C, Dm	38.1	27AC
<i>Lathyrus niger</i>	C	34.4	25, 25AA
<i>Ligustrum vulgare</i>	C	30.5	27AA, 27AC, 28
<i>Symphytum angustifolium</i>		30.4	
<i>Crataegus laevigata</i>	C	28.7	25
<i>Astragalus glycyphyllos</i>	C	28.7	25
<i>Pyrus communis</i> agg.		28.3	
<i>Lychnis coronaria</i>		28.2	
<i>Clinopodium vulgare</i>	C	28.2	25, 25AA
<i>Vicia cassubica</i>		27.3	
<i>Acer campestre</i>	C	25.6	27, 27AC, 27BB
<i>Carpinus betulus</i>	C	25.2	26, 27, 27AD, 27BB
<i>Carex montana</i>		25.0	10BB, 27AD
<i>Quercus petraea</i> agg.	C, Dm	24.3	25, 25AA, 26, 26AA, 27AD, 27BB
<i>Sorbus torminalis</i>		24.2	25, 27AA

Constant species (21)

<i>Quercus petraea</i> agg.	Dg, Dm	77.0	25, 25AA, 26, 26AA, 26BA, 27, 27AD, 27BB, 27BE, 37BB, 50
<i>Veronica chamaedrys</i> agg.		74.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26, 26AA, 27, 27AA, 27AD, 27BB, 43AD
<i>Ligustrum vulgare</i>	Dg	73.0	27AA, 27AC, 27BB, 28, 28AA
<i>Clinopodium vulgare</i>	Dg	72.0	25, 25AA
<i>Acer campestre</i>	Dg	65.0	25, 27, 27AA, 27AC, 27BB
<i>Poa nemoralis</i>	Dm	63.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 46AA, 50
<i>Carpinus betulus</i>	Dg	62.0	25, 26, 26AA, 27, 27AC, 27AD, 27BB
<i>Quercus cerris</i>	Dg, Dm	61.0	
<i>Crataegus laevigata</i>	Dg	56.0	25, 25AA, 27AC, 28
<i>Poa pratensis</i> agg.		55.0	02AA, 10BA, 10BB, 10CA, 17, 17AA, 17BB, 17BC, 17BD, 17BE, 37, 43AD
<i>Lathyrus niger</i>	Dg	54.0	25, 25AA
<i>Fragaria vesca</i>		53.0	07, 07AA, 20CD, 25, 25AA, 26, 27, 27BB, 28, 28BA, 39BD, 46, 46AA
<i>Euphorbia cyparissias</i>		51.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 28AC, 34, 37, 37AA, 50, 50AB
<i>Astragalus glycyphyllos</i>	Dg	50.0	25
<i>Cruciata glabra</i>		49.0	10BA, 10BB, 17, 17AA, 17AB, 17EA, 20CC, 25, 25AA, 47, 47AC
<i>Prunus spinosa</i>		48.0	25, 27AC, 28, 28AA, 50
<i>Brachypodium sylvaticum</i>		48.0	07AA, 27AA, 27AC

<i>Vincetoxicum hirundinaria</i>		43.0	08, 10AC, 10AF, 27AA, 27AC, 28AC, 36CA, 37, 37AA, 37BB
<i>Dactylis polygama</i>		43.0	25, 25AA, 27AC, 27BB
<i>Crataegus monogyna</i>		43.0	27AA, 28, 28AA, 29, 50
<i>Tanacetum corymbosum</i> agg.		41.0	20CC, 20CD, 25, 27AA, 46, 46AA
Dominant species (4)			
<i>Quercus petraea</i> agg.	Dg, C	32.0	25, 25AA, 26, 26AA, 27, 27AA, 27AD, 27BB, 27BE
<i>Quercus cerris</i>	Dg, C	26.0	27AA, 27AC, 27BB
<i>Poa nemoralis</i>	C	6.0	25, 25AA, 27BB
<i>Quercus robur</i> agg.		5.0	27AC, 27AD, 27BA

Alliance 27AC *Aceri tatarici-Quercion***Pannonian xero-thermophilous oak woods on deeper soils on loess and sand**

No. of relevés: 42

Diagnostic species (27)

<i>Ulmus minor</i>	C	61.7	
<i>Arum alpinum</i>	C	53.2	
<i>Polygonatum latifolium</i>		50.0	
<i>Quercus robur</i> agg.	C, Dm	49.4	
<i>Acer tataricum</i>	C	48.6	
<i>Fraxinus angustifolia</i>	C	46.3	31
<i>Dactylis polygama</i>	C	40.8	25, 25AA
<i>Dictamnus albus</i>		39.3	
<i>Ligustrum vulgare</i>	C, Dm	38.1	27AA, 27AB, 28
<i>Allium ursinum</i>	Dm	37.2	
<i>Acer campestre</i>	C	36.5	27, 27AB, 27BB
<i>Corydalis cava</i>		35.8	
<i>Viola odorata</i>		34.2	
<i>Cruciata laevipes</i>		33.1	
<i>Euonymus europaeus</i>	C	32.9	28
<i>Clematis recta</i>		29.8	
<i>Viola mirabilis</i>		29.4	
<i>Anemone ranunculoides</i>		29.4	
<i>Viola hirta</i>	C	27.8	
<i>Vicia pisiformis</i>		27.1	25
<i>Geum urbanum</i>	C	26.9	28, 29
<i>Lithospermum purpureocaeruleum</i>		26.0	27AA
<i>Quercus cerris</i>	Dm	25.1	27AB
<i>Carex muricata</i> agg.	C	24.9	
<i>Brachypodium sylvaticum</i>	C, Dm	24.6	
<i>Phlomis tuberosa</i>		24.4	
<i>Cornus sanguinea</i> agg.	C	24.3	28, 28AA, 31
Constant species (25)			
<i>Ligustrum vulgare</i>	Dg, Dm	90.0	27AA, 27AB, 27BB, 28, 28AA
<i>Acer campestre</i>	Dg	90.0	25, 27, 27AA, 27AB, 27BB
<i>Dactylis polygama</i>	Dg	81.0	25, 25AA, 27AB, 27BB
<i>Ulmus minor</i>	Dg	79.0	
<i>Quercus robur</i> agg.	Dg, Dm	79.0	
<i>Geum urbanum</i>	Dg	79.0	27BA, 28, 28AA, 28AB, 29, 29AB
<i>Viola hirta</i>	Dg	69.0	10, 10BA, 10BB, 27AA, 37, 37AB
<i>Brachypodium sylvaticum</i>	Dg, Dm	60.0	07AA, 27AA, 27AB
<i>Viola reichenbachiana</i>	Dm	57.0	25, 25AA, 27, 27BB, 27BD
<i>Cornus sanguinea</i> agg.	Dg	55.0	28, 28AA, 31
<i>Pulmonaria officinalis</i> agg.		55.0	27, 27BB, 27BC, 28AB

<i>Poa nemoralis</i>		55.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27, 27AB, 27AD, 27BB, 28AB, 36CC, 46, 46AA, 50
<i>Euonymus europaeus</i>	Dg	52.0	
<i>Galium aparine</i>		50.0	28, 28BB, 29, 29AA, 29AB, 31, 31AB, 33BA, 43, 43AA, 43BA
<i>Campanula trachelium</i>		50.0	28, 28AB
<i>Carpinus betulus</i>		48.0	25, 26, 26AA, 27, 27AB, 27AD, 27BB
<i>Arum alpinum</i>	Dg	48.0	
<i>Acer tataricum</i>	Dg	48.0	
<i>Vincetoxicum hirundinaria</i>		45.0	08, 10AC, 10AF, 27AA, 27AB, 28AC, 36CA, 37, 37AA, 37BB
<i>Prunus spinosa</i>		45.0	25, 27AB, 28, 28AA, 50
<i>Fraxinus angustifolia</i>	Dg	45.0	
<i>Carex muricata</i> agg.	Dg	45.0	
<i>Stachys sylvatica</i>		43.0	07, 07AA, 27BA, 28BA
<i>Polygonatum odoratum</i>		43.0	08, 08AA
<i>Crataegus laevigata</i>		43.0	25, 25AA, 27AB, 28
Dominant species (2)			
<i>Quercus robur</i> agg.	Dg, C	10.0	27AB, 27AD, 27BA
<i>Quercus cerris</i>	Dg	7.0	27AA, 27AB, 27BB

Alliance 27AD *Quercion petraeae*

Central European thermophilous oak forests

No. of relevés: 108

Diagnostic species (10)

<i>Hieracium sabaudum</i>	C	33.7	26
<i>Melampyrum pratense</i>	C	29.4	26, 26AA, 37BA
<i>Quercus petraea</i> agg.	C, Dm	28.5	25, 25AA, 26, 26AA, 27AB, 27BB
<i>Carex montana</i>	C	28.3	10BB, 27AB
<i>Festuca heterophylla</i>	C	27.5	
<i>Viola riviniana</i>		26.7	
<i>Selinum carvifolia</i>		25.8	
<i>Potentilla alba</i>		25.6	
<i>Pulmonaria mollis</i>		25.2	
<i>Carpinus betulus</i>	C	24.1	26, 27, 27AB, 27BB

Constant species (16)

<i>Quercus petraea</i> agg.	Dg, Dm	90.0	25, 25AA, 26, 26AA, 26BA, 27, 27AB, 27BB, 27BE, 37BB, 50
<i>Poa nemoralis</i>		72.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27, 27AB, 27AC, 27BB, 28AB, 36CC, 46, 46AA, 50
<i>Veronica chamaedrys</i> agg.		69.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27BB, 43AD
<i>Luzula luzuloides</i>		69.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Carpinus betulus</i>	Dg	59.0	25, 26, 26AA, 27, 27AB, 27AC, 27BB
<i>Melampyrum pratense</i>	Dg	53.0	26, 26AA, 37BA
<i>Frangula alnus</i>		52.0	01, 01BA, 18, 18AA, 26, 26BA, 39CA
<i>Hieracium murorum</i>		51.0	25, 25AA, 26, 26AA, 27, 27BE, 39, 39BB, 39BD
<i>Hieracium sabaudum</i>	Dg	50.0	
<i>Rosa canina</i> agg.		48.0	25, 25AA, 28, 28AA, 37BB, 50, 50AB
<i>Hieracium lachenalii</i>		44.0	26, 26AA

<i>Carex montana</i>	Dg	44.0	10BB
<i>Avenella flexuosa</i>		43.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Veronica officinalis</i>		42.0	07, 25, 25AA, 27BE, 47, 47AC
<i>Genista pilosa</i>		41.0	08, 10AF, 25, 37BB, 48, 48AA
<i>Festuca heterophylla</i>	Dg	41.0	
Dominant species (3)			
<i>Quercus petraea</i> agg.	Dg, C	56.0	25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27BB, 27BE
<i>Vaccinium myrtillus</i>		7.0	20CA, 26, 26AA, 39, 39AA, 44, 44AA, 45, 45AB, 47, 47AB, 48, 48AD, 49, 49AB
<i>Quercus robur</i> agg.		6.0	27AB, 27AC, 27BA

Alliance 27BA *Alnion incanae***Alluvial woodlands**

No. of relevés: 740

Diagnostic species (0)**Constant species (6)**

<i>Urtica dioica</i>		63.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Aegopodium podagraria</i>	Dm	53.0	28AB, 31AA, 31AB
<i>Geum urbanum</i>		51.0	27AC, 28, 28AA, 28AB, 29, 29AB
<i>Stachys sylvatica</i>		45.0	07, 07AA, 27AC, 28BA
<i>Rubus caesius</i>		45.0	01, 31, 31AB, 31AC, 43BA
<i>Glechoma hederacea</i> agg.		44.0	28, 31, 43AC

Dominant species (7)

<i>Alnus glutinosa</i>		16.0	01, 01BA
<i>Alnus incana</i>		14.0	28, 28AB
<i>Fraxinus excelsior</i>		5.0	27BC
<i>Aegopodium podagraria</i>	C	5.0	43AC
<i>Quercus robur</i> agg.		4.0	27AB, 27AC, 27AD
<i>Ulmus minor</i>		3.0	
<i>Solidago canadensis</i>		3.0	43BA

Alliance 27BB *Carpinion betuli***Mesophilous broad-leaved oak-hornbeam woodlands**

No. of relevés: 1603

Diagnostic species (6)

<i>Carex pilosa</i>	C, Dm	41.6	27
<i>Carpinus betulus</i>	C, Dm	34.6	26, 27, 27AB, 27AD
<i>Quercus petraea</i> agg.	C, Dm	25.8	25, 25AA, 26, 26AA, 27AB, 27AD
<i>Melica uniflora</i>	C, Dm	25.5	27
<i>Lathyrus vernus</i>	C	24.7	25, 46, 46AA
<i>Acer campestre</i>	C	24.6	27, 27AB, 27AC

Constant species (18)

<i>Carpinus betulus</i>	Dg, Dm	84.0	25, 26, 26AA, 27, 27AB, 27AC, 27AD
<i>Quercus petraea</i> agg.	Dg, Dm	82.0	25, 25AA, 26, 26AA, 26BA, 27, 27AB, 27AD, 27BE, 37BB, 50

<i>Poa nemoralis</i>	Dm	65.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27, 27AB, 27AC, 27AD, 28AB, 36CC, 46, 46AA, 50
<i>Acer campestre</i>	Dg	62.0	25, 27, 27AA, 27AB, 27AC
<i>Viola reichenbachiana</i>		56.0	25, 25AA, 27, 27AC, 27BD
<i>Fragaria vesca</i>		54.0	07, 07AA, 20CD, 25, 25AA, 26, 27, 27AB, 28, 28BA, 39BD, 46, 46AA
<i>Pulmonaria officinalis</i> agg.		52.0	27, 27AC, 27BC, 28AB
<i>Veronica chamaedrys</i> agg.		51.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 43AD
<i>Fagus sylvatica</i>	Dm	51.0	07, 07AA, 07AC, 25, 26, 26AA, 27, 27BC, 27BD, 27BE, 28BA, 39, 39BD, 39CA
<i>Lathyrus vernus</i>	Dg	49.0	25, 27, 46, 46AA
<i>Galium odoratum</i>		48.0	07, 07AA, 27, 27BC, 27BD, 28BA
<i>Melica uniflora</i>	Dg, Dm	47.0	
<i>Galium schultesii</i>		46.0	25, 25AA, 26, 27
<i>Carex pilosa</i>	Dg, Dm	46.0	
<i>Lactuca muralis</i>		45.0	02AC, 07, 07AA, 25, 25AA, 26, 26BA, 27, 27BC, 27BD, 27BE, 39, 39BD
<i>Ajuga reptans</i>		43.0	27
<i>Ligustrum vulgare</i>		42.0	27AA, 27AB, 27AC, 28, 28AA
<i>Dactylis polygama</i>		42.0	25, 25AA, 27AB, 27AC
Dominant species (7)			
<i>Quercus petraea</i> agg.	Dg, C	32.0	25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BE
<i>Carpinus betulus</i>	Dg, C	25.0	26, 26AA, 27, 27BC
<i>Carex pilosa</i>	Dg, C	9.0	27
<i>Melica uniflora</i>	Dg, C	7.0	27, 27AA
<i>Poa nemoralis</i>	C	4.0	25, 25AA, 27AB
<i>Fagus sylvatica</i>	C	4.0	27, 27BC, 27BD, 27BE, 36CB
<i>Quercus cerris</i>		3.0	27AA, 27AB, 27AC

Alliance 27BC Tilio-Acerion

Scree and ravine forests

No. of relevés: 429

Diagnostic species (11)

<i>Asplenium scolopendrium</i>		33.7	
<i>Tilia platyphyllos</i>	Dm	32.8	
<i>Mercurialis perennis</i>	C, Dm	31.5	27
<i>Lunaria rediviva</i>	Dm	29.6	
<i>Actaea spicata</i>		27.8	27
<i>Ulmus glabra</i>		26.9	
<i>Galeobdolon luteum</i> agg.	C	26.6	27
<i>Polystichum aculeatum</i>		26.5	
<i>Acer platanoides</i>		26.5	27
<i>Acer pseudoplatanus</i>	C, Dm	26.4	27
<i>Cardamine bulbifera</i>	C	24.6	25, 27, 27BD

Constant species (16)

<i>Acer pseudoplatanus</i>	Dg, Dm	80.0	07, 27, 27BD, 28BA, 39BD
<i>Geranium robertianum</i>		77.0	02AC, 03, 07, 27, 27BD, 36, 36CB, 36CC, 43AB
<i>Mercurialis perennis</i>	Dg, Dm	76.0	20CD, 27, 27BD
<i>Dryopteris filix-mas</i> agg.		72.0	07, 07AC, 27, 27BD, 27BE, 28BA, 39, 39BB, 39BD, 46

<i>Fagus sylvatica</i>	Dm	71.0	07, 07AA, 07AC, 25, 26, 26AA, 27, 27BB, 27BD, 27BE, 28BA, 39, 39BD, 39CA
<i>Urtica dioica</i>		66.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Galeobdolon luteum</i> agg.	Dg	62.0	27, 27BD, 39BB, 39BD
<i>Lactuca muralis</i>		61.0	02AC, 07, 07AA, 25, 25AA, 26, 26BA, 27, 27BB, 27BD, 27BE, 39, 39BD
<i>Asarum europaeum</i>		57.0	27, 27BD, 28, 28AB, 46
<i>Galium odoratum</i>		54.0	07, 07AA, 27, 27BB, 27BD, 28BA
<i>Senecio nemorensis</i> agg.		51.0	07, 07AA, 07AC, 20, 25, 27, 27BD, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Pulmonaria officinalis</i> agg.		51.0	27, 27AC, 27BB, 28AB
<i>Fraxinus excelsior</i>	Dm	49.0	27
<i>Oxalis acetosella</i>		45.0	27, 27BD, 27BE, 28AB, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44
<i>Cardamine bulbifera</i>	Dg	45.0	25, 27, 27BD
<i>Impatiens noli-tangere</i>		44.0	19BC, 20EA, 28BA
Dominant species (7)			
<i>Fagus sylvatica</i>	C	14.0	27, 27BB, 27BD, 27BE, 36CB
<i>Lunaria rediviva</i>	Dg	7.0	
<i>Acer pseudoplatanus</i>	Dg, C	7.0	
<i>Carpinus betulus</i>		6.0	26, 26AA, 27, 27BB
<i>Tilia platyphyllos</i>	Dg	5.0	
<i>Mercurialis perennis</i>	Dg, C	3.0	
<i>Fraxinus excelsior</i>	C	3.0	27BA

Alliance 27BD *Fagion***Mesotrophic beech and fir forests**

No. of relevés: 2011

Diagnostic species (3)

<i>Cardamine bulbifera</i>	C	29.0	25, 27, 27BC
<i>Fagus sylvatica</i>	C, Dm	28.7	07, 27, 27BE, 28BA
<i>Galium odoratum</i>	C	28.5	07, 27

Constant species (17)

<i>Fagus sylvatica</i>	Dg, Dm	95.0	07, 07AA, 07AC, 25, 26, 26AA, 27, 27BB, 27BC, 27BE, 28BA, 39, 39BD, 39CA
<i>Acer pseudoplatanus</i>		65.0	07, 27, 27BC, 28BA, 39BD
<i>Galium odoratum</i>	Dg	64.0	07, 07AA, 27, 27BB, 27BC, 28BA
<i>Lactuca muralis</i>		63.0	02AC, 07, 07AA, 25, 25AA, 26, 26BA, 27, 27BB, 27BC, 27BE, 39, 39BD
<i>Dryopteris filix-mas</i> agg.		62.0	07, 07AC, 27, 27BC, 27BE, 28BA, 39, 39BB, 39BD, 46
<i>Senecio nemorensis</i> agg.		60.0	07, 07AA, 07AC, 20, 25, 27, 27BC, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Mercurialis perennis</i>		55.0	20CD, 27, 27BC
<i>Oxalis acetosella</i>		53.0	27, 27BC, 27BE, 28AB, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44
<i>Cardamine bulbifera</i>	Dg	53.0	25, 27, 27BC
<i>Asarum europaeum</i>		49.0	27, 27BC, 28, 28AB, 46

<i>Abies alba</i>	Dm	49.0	08, 39, 39BD, 39CA
<i>Prenanthes purpurea</i>		44.0	39, 39BA, 39BB, 39BC, 39BD
<i>Picea abies</i>	Dm	44.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Viola reichenbachiana</i>		43.0	25, 25AA, 27, 27AC, 27BB
<i>Galeobdolon luteum</i> agg.		43.0	27, 27BC, 39BB, 39BD
<i>Geranium robertianum</i>		42.0	02AC, 03, 07, 27, 27BC, 36, 36CB, 36CC, 43AB
<i>Athyrium filix-femina</i>		42.0	01, 01BA, 07, 07AC, 19BC, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD
Dominant species (3)			
<i>Fagus sylvatica</i>	Dg, C	51.0	27, 27BB, 27BC, 27BE, 36CB
<i>Picea abies</i>	C	4.0	18, 18AA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Abies alba</i>	C	3.0	39, 39AA, 39BD

Alliance 27BE Luzulo-Fagion

Acidophilous beech forests

No. of relevés: 189

Diagnostic species (1)

Fagus sylvatica C, Dm 28.1 07, 27, 27BD, 28BA

Constant species (12)

Fagus sylvatica Dg, Dm 94.0 07, 07AA, 07AC, 25, 26, 26AA, 27, 27BB, 27BC, 27BD, 28BA, 39, 39BD, 39CA

Luzula luzuloides Dm 86.0 07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD

Hieracium murorum 69.0 25, 25AA, 26, 26AA, 27, 27AD, 39, 39BB, 39BD

Picea abies Dm 63.0 07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB

Vaccinium myrtillus 53.0 08, 13, 13AA, 18, 18AA, 20CA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB

Oxalis acetosella 50.0 27, 27BC, 27BD, 28AB, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44

Quercus petraea agg. Dm 44.0 25, 25AA, 26, 26AA, 26BA, 27, 27AB, 27AD, 27BB, 37BB, 50

Sorbus aucuparia 43.0 07, 08, 08AA, 26, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA

Athyrium filix-femina 43.0 01, 01BA, 07, 07AC, 19BC, 27BD, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD

Lactuca muralis 42.0 02AC, 07, 07AA, 25, 25AA, 26, 26BA, 27, 27BB, 27BC, 27BD, 39, 39BD

Veronica officinalis 41.0 07, 25, 25AA, 27AD, 47, 47AC

Dryopteris filix-mas agg. 41.0 07, 07AC, 27, 27BC, 27BD, 28BA, 39, 39BB, 39BD, 46

Dominant species (5)

<i>Fagus sylvatica</i>	Dg, C	56.0	27, 27BB, 27BC, 27BD, 36CB
<i>Luzula luzuloides</i>	C	9.0	25, 25AA, 26, 26AA
<i>Picea abies</i>	C	5.0	18, 18AA, 27BD, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Quercus petraea</i> agg.	C	4.0	25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB
<i>Calamagrostis arundinacea</i>		3.0	07, 07AC, 17EC, 20, 20CC, 25, 25AA, 39BD, 46, 46AA, 47AB

Class 28 *Rhamno-Prunetea***Mesophilous and xerophilous shrub vegetation**

No. of relevés: 402

Diagnostic species (9)

<i>Prunus spinosa</i>	C, Dm	40.3	28AA
<i>Cornus sanguinea</i> agg.	C, Dm	32.9	27AC, 28AA, 31
<i>Corylus avellana</i>	C, Dm	30.6	28AB
<i>Rosa canina</i> agg.	C	29.8	25, 28AA, 50, 50AB
<i>Rhamnus catharticus</i>		29.4	
<i>Geum urbanum</i>	C	27.9	27AC, 29
<i>Euonymus europaeus</i>		27.9	27AC
<i>Ligustrum vulgare</i>	C	26.7	27AA, 27AB, 27AC
<i>Rosa glauca</i>		24.6	28AB

Constant species (15)

<i>Rosa canina</i> agg.	Dg	57.0	25, 25AA, 27AD, 28AA, 37BB, 50, 50AB
<i>Prunus spinosa</i>	Dg, Dm	53.0	25, 27AB, 27AC, 28AA, 50
<i>Cornus sanguinea</i> agg.	Dg, Dm	41.0	27AC, 28AA, 31
<i>Geum urbanum</i>	Dg	41.0	27AC, 27BA, 28AA, 28AB, 29, 29AB
<i>Corylus avellana</i>	Dg, Dm	40.0	27, 28AB, 28BA
<i>Urtica dioica</i>		39.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Galium mollugo</i> agg.		38.0	17AA, 25, 25AA, 27AA, 28AA, 28AC, 31AA, 36, 36CA, 36CB, 36CC, 37
<i>Galium aparine</i>		36.0	27AC, 28BB, 29, 29AA, 29AB, 31, 31AB, 33BA, 43, 43AA, 43BA
<i>Fragaria vesca</i>		32.0	07, 07AA, 20CD, 25, 25AA, 26, 27, 27AB, 27BB, 28BA, 39BD, 46, 46AA
<i>Crataegus monogyna</i>		32.0	27AA, 27AB, 28AA, 29, 50
<i>Ligustrum vulgare</i>	Dg	30.0	27AA, 27AB, 27AC, 27BB, 28AA
<i>Glechoma hederacea</i> agg.		27.0	27BA, 31, 43AC
<i>Crataegus laevigata</i>		27.0	25, 25AA, 27AB, 27AC
<i>Campanula trachelium</i>		27.0	27AC, 28AB
<i>Asarum europaeum</i>		27.0	27, 27BC, 27BD, 28AB, 46

Dominant species (6)

<i>Corylus avellana</i>	Dg, C	23.0	28AA, 28AB, 28AC
<i>Prunus spinosa</i>	Dg, C	10.0	28AA
<i>Lycium barbarum</i>		4.0	28BB
<i>Alnus incana</i>		4.0	27BA, 28AB
<i>Cornus sanguinea</i> agg.	Dg, C	3.0	28AA, 31, 31AC
<i>Spiraea media</i>		3.0	28AC

Alliance 28AA Berberidion vulgaris**Tall mesic and xeric shrubs**

No. of relevés: 245

Diagnostic species (4)

<i>Prunus spinosa</i>	C, Dm	36.2	28
<i>Rosa canina</i> agg.	C	26.6	25, 28, 50, 50AB
<i>Crataegus rhipidophylla</i>		24.6	
<i>Cornus sanguinea</i> agg.	C, Dm	24.5	27AC, 28, 31

Constant species (7)

<i>Rosa canina</i> agg.	Dg	80.0	25, 25AA, 27AD, 28, 37BB, 50, 50AB
<i>Prunus spinosa</i>	Dg, Dm	78.0	25, 27AB, 27AC, 28, 50
<i>Cornus sanguinea</i> agg.	Dg, Dm	55.0	27AC, 28, 31
<i>Geum urbanum</i>		51.0	27AC, 27BA, 28, 28AB, 29, 29AB
<i>Galium mollugo</i> agg.		49.0	17AA, 25, 25AA, 27AA, 28, 28AC, 31AA, 36, 36CA, 36CB, 36CC, 37
<i>Crataegus monogyna</i>	Dm	46.0	27AA, 27AB, 28, 29, 50
<i>Ligustrum vulgare</i>		43.0	27AA, 27AB, 27AC, 27BB, 28

Dominant species (3)

<i>Corylus avellana</i>		20.0	28, 28AB, 28AC
<i>Prunus spinosa</i>	Dg, C	16.0	28
<i>Cornus sanguinea</i> agg.	Dg, C	5.0	28, 31, 31AC

Alliance 28AB Corylo-Populion tremulae***Corylus avellana*-rich mesophilous shrubs**

No. of relevés: 72

Diagnostic species (4)

<i>Rosa glauca</i>		33.3	28
<i>Corylus avellana</i>	C, Dm	32.6	28
<i>Asarum europaeum</i>	C	30.0	27
<i>Alnus incana</i>	Dm	25.8	18, 31AA

Constant species (11)

<i>Corylus avellana</i>	Dg, Dm	82.0	27, 28, 28BA
<i>Asarum europaeum</i>	Dg	74.0	27, 27BC, 27BD, 28, 46
<i>Aegopodium podagraria</i>		58.0	27BA, 31AA, 31AB
<i>Urtica dioica</i>		56.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Poa nemoralis</i>		51.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 36CC, 46, 46AA, 50
<i>Heracleum sphondylium</i>		49.0	20CE, 31AA, 43AC, 46, 46AA
<i>Oxalis acetosella</i>		47.0	27, 27BC, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44
<i>Campanula trachelium</i>		44.0	27AC, 28
<i>Pulmonaria officinalis</i> agg.		42.0	27, 27AC, 27BB, 27BC
<i>Melica nutans</i>		42.0	25, 25AA, 46
<i>Geum urbanum</i>		42.0	27AC, 27BA, 28, 28AA, 29, 29AB
Dominant species (2)			
<i>Corylus avellana</i>	Dg, C	57.0	28, 28AA, 28AC
<i>Alnus incana</i>	Dg	22.0	27BA, 28

Alliance 28AC *Prunion fruticosae***Low xerophilous calciphilous shrubs**

No. of relevés: 52

Diagnostic species (14)

<i>Spiraea media</i>	C, Dm	66.5	
<i>Rosa tomentosa</i>		49.9	
<i>Sesleria heuffleriana</i>		49.8	
<i>Aconitum anthora</i>		44.8	
<i>Cotoneaster melanocarpus</i>		38.6	
<i>Prunus mahaleb</i>		34.0	
<i>Rosa spinosissima</i>		33.5	
<i>Linaria pallidiflora</i>		31.4	
<i>Geranium sanguineum</i>	C	28.5	37, 37AA
<i>Lactuca perennis</i>		27.3	
<i>Cotinus coggygria</i>	Dm	27.3	
<i>Fumaria schleicheri</i>		26.4	
<i>Carduus collinus</i>		24.5	10AB
<i>Himantoglossum adriaticum</i>		24.0	

Constant species (9)

<i>Spiraea media</i>	Dg, Dm	67.0	
<i>Teucrium chamaedrys</i>		60.0	10, 10AA, 10AB, 10AC, 10AF, 10BA, 27AA, 37, 37AA
<i>Vincetoxicum hirundinaria</i>		58.0	08, 10AC, 10AF, 27AA, 27AB, 27AC, 36CA, 37, 37AA, 37BB
<i>Hylotelephium maximum</i>		52.0	03CB, 03CD, 34BA
<i>Galium mollugo</i> agg.		50.0	17AA, 25, 25AA, 27AA, 28, 28AA, 31AA, 36, 36CA, 36CB, 36CC, 37
<i>Geranium sanguineum</i>	Dg	48.0	37, 37AA
<i>Euphorbia cyparissias</i>		46.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 34, 37, 37AA, 50, 50AB
<i>Origanum vulgare</i>		44.0	37, 37AB
<i>Hypericum perforatum</i>		42.0	07, 07AA, 10, 10AB, 10CA, 25, 25AA, 37, 37AB, 37BB, 48, 50

Dominant species (5)

<i>Spiraea media</i>	Dg, C	21.0	28
<i>Cotinus coggygria</i>	Dg	10.0	
<i>Prunus fruticosa</i>		10.0	
<i>Corylus avellana</i>		4.0	28, 28AA, 28AB
<i>Prunus × eminens</i>		4.0	

Alliance 28BA *Sambuco-Salicion capreae***Mesophilous shrub vegetation of older clearings**

No. of relevés: 7

Diagnostic species (5)

<i>Sambucus racemosa</i>	C, Dm	57.4	
<i>Salix caprea</i>	C, Dm	47.6	07
<i>Chamerion angustifolium</i>	C	46.4	07, 07AC
<i>Rubus hirtus</i>	C	28.2	07
<i>Fagus sylvatica</i>	C	25.6	07, 27, 27BD, 27BE

Constant species (22)

<i>Salix caprea</i>	Dg, Dm	100.0	07, 07AA, 07AC
<i>Sambucus racemosa</i>	Dg, Dm	86.0	
<i>Rubus idaeus</i>	Dm	86.0	07, 07AA, 07AC, 25, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 43AE, 44, 46, 46AA

<i>Chamerion angustifolium</i>	Dg	86.0	07, 07AC
<i>Fagus sylvatica</i>	Dg	86.0	07, 07AA, 07AC, 25, 26, 26AA, 27, 27BB, 27BC, 27BD, 27BE, 39, 39BD, 39CA
<i>Urtica dioica</i>		71.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Senecio nemorensis</i> agg.		71.0	07, 07AA, 07AC, 20, 25, 27, 27BC, 27BD, 39, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Athyrium filix-femina</i>		71.0	01, 01BA, 07, 07AC, 19BC, 27BD, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Sorbus aucuparia</i>		57.0	07, 08, 08AA, 26, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Impatiens noli-tangere</i>		57.0	19BC, 20EA, 27BC
<i>Fragaria vesca</i>		57.0	07, 07AA, 20CD, 25, 25AA, 26, 27, 27AB, 27BB, 28, 39BD, 46, 46AA
<i>Dryopteris filix-mas</i> agg.		57.0	07, 07AC, 27, 27BC, 27BD, 27BE, 39, 39BB, 39BD, 46
<i>Tussilago farfara</i>		43.0	19BB
<i>Stachys sylvatica</i>		43.0	07, 07AA, 27AC, 27BA
<i>Rubus hirtus</i>	Dg	43.0	
<i>Picea abies</i>		43.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Oxalis acetosella</i>		43.0	27, 27BC, 27BD, 27BE, 28AB, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44
<i>Galium odoratum</i>		43.0	07, 07AA, 27, 27BB, 27BC, 27BD
<i>Corylus avellana</i>		43.0	27, 28, 28AB
<i>Calamagrostis epigejos</i>		43.0	07, 07AA, 26BA, 50
<i>Agrostis capillaris</i>		43.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Acer pseudoplatanus</i>		43.0	07, 27, 27BC, 27BD, 39BD
Dominant species (3)			
<i>Rubus idaeus</i>	C	29.0	07, 07AC, 25, 25AA, 39BD
<i>Sambucus racemosa</i>	Dg, C	14.0	
<i>Salix caprea</i>	Dg, C	14.0	

Alliance 28BB Arctio-Sambucion nigrae

Nitrophilous ruderal shrub vegetation with *Sambucus nigra*

No. of relevés: 26

Diagnostic species (4)

<i>Lycium barbarum</i>	C, Dm	68.8	
<i>Ballota nigra</i>	C	28.8	02, 02AA, 02AD
<i>Sambucus nigra</i>	C, Dm	25.8	29, 29AA, 29AB
<i>Anthriscus cerefolium</i>		24.6	29, 29AB

Constant species (5)

<i>Urtica dioica</i>	Dm	69.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28,
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			28AB, 28BA, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Sambucus nigra</i>	Dg, Dm	62.0	29, 29AA, 29AB
<i>Ballota nigra</i>	Dg	62.0	02, 02AA, 02AD
<i>Lycium barbarum</i>	Dg, Dm	58.0	
<i>Galium aparine</i>		54.0	27AC, 28, 29, 29AA, 29AB, 31, 31AB, 33BA, 43, 43AA, 43BA
Dominant species (4)			
<i>Lycium barbarum</i>	Dg, C	58.0	28
<i>Sambucus nigra</i>	Dg, C	31.0	29AA
<i>Urtica dioica</i>	C	4.0	02AC, 17EC, 31, 31AB, 31AC, 36CB, 43, 43AB, 43AD, 43BA
<i>Chaerophyllum aromaticum</i>		4.0	43, 43AC

Class 29 *Robinietea****Robinia* forests**

No. of relevés: 48

Diagnostic species (16)

<i>Robinia pseudoacacia</i>	C, Dm	80.2	29AA, 29AB
<i>Chelidonium majus</i>	C, Dm	60.3	29AB
<i>Bromus sterilis</i>	C, Dm	57.9	29AB
<i>Anthriscus cerefolium</i>	C, Dm	55.3	28BB, 29AB
<i>Veronica hederifolia</i> agg.	C, Dm	54.2	29AB, 33AC
<i>Sambucus nigra</i>	C, Dm	51.7	28BB, 29AA, 29AB
<i>Allium vineale</i>	C	51.6	29AB
<i>Lamium purpureum</i>	C	50.9	29AB
<i>Stellaria media</i> agg.	C, Dm	42.1	29AB, 33, 33BA
<i>Galium aparine</i>	C, Dm	33.2	43
<i>Alliaria petiolata</i>	C	31.0	29AB
<i>Humulus lupulus</i>	C	30.4	31, 31AB
<i>Acer negundo</i>	Dm	30.3	29AA, 31, 31AC
<i>Ornithogalum boucheanum</i>		30.0	29AB
<i>Geranium pyrenaicum</i>		24.6	29AB
<i>Geum urbanum</i>	C	24.0	27AC, 28

Constant species (18)

<i>Robinia pseudoacacia</i>	Dg, Dm	92.0	29AA, 29AB
<i>Sambucus nigra</i>	Dg, Dm	71.0	28BB, 29AA, 29AB
<i>Chelidonium majus</i>	Dg, Dm	62.0	29AA, 29AB
<i>Galium aparine</i>	Dg, Dm	62.0	27AC, 28, 28BB, 29AA, 29AB, 31, 31AB, 33BA, 43, 43AA, 43BA
<i>Bromus sterilis</i>	Dg, Dm	62.0	29AB, 33DA
<i>Urtica dioica</i>		58.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Stellaria media</i> agg.	Dg, Dm	54.0	17EC, 29AA, 29AB, 33, 33AA, 33AC, 33BA, 43AD
<i>Veronica hederifolia</i> agg.	Dg, Dm	46.0	29AB, 33AC
<i>Lamium purpureum</i>	Dg	44.0	29AB
<i>Anthriscus cerefolium</i>	Dg, Dm	40.0	29AB
<i>Alliaria petiolata</i>	Dg	38.0	25, 29AB

<i>Humulus lupulus</i>	Dg	35.0	31, 31AB
<i>Geum urbanum</i>	Dg	35.0	27AC, 27BA, 28, 28AA, 28AB, 29AB
<i>Taraxacum</i> sect. <i>Ruderalia</i>		31.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29AB, 33, 33DA, 43AC
<i>Allium vineale</i>	Dg	31.0	29AB
<i>Crataegus monogyna</i>		29.0	27AA, 27AB, 28, 28AA, 50
<i>Rubus fruticosus</i> agg.		27.0	37BB, 50
<i>Elytrigia repens</i>		27.0	02, 02AB, 02BA, 33, 33AB, 33BA, 33BB, 43, 43AA, 43AC, 43BA

Dominant species (7)

<i>Robinia pseudoacacia</i>	Dg, C	65.0	29AA, 29AB
<i>Bromus sterilis</i>	Dg, C	21.0	29AB, 33DA
<i>Chelidonium majus</i>	Dg, C	12.0	29AA, 43AA
<i>Acer negundo</i>	Dg	10.0	29AA
<i>Veronica hederifolia</i> agg.	Dg, C	4.0	29AB
<i>Stellaria media</i> agg.	Dg, C	4.0	17EC, 29AB, 33AC, 33BA
<i>Anthriscus cerefolium</i>	Dg, C	4.0	29AB, 43, 43AA

Alliance 29AA *Chelidonio-Robinion***Mesophilous *Robinia* forests on eutrophic soils**

No. of relevés: 27

Diagnostic species (3)

<i>Robinia pseudoacacia</i>	C, Dm	42.6	29, 29AB
<i>Acer negundo</i>	Dm	31.2	29, 31, 31AC
<i>Sambucus nigra</i>	C, Dm	26.5	28BB, 29, 29AB

Constant species (6)

<i>Robinia pseudoacacia</i>	Dg, Dm	85.0	29, 29AB
<i>Galium aparine</i>		67.0	27AC, 28, 28BB, 29, 29AB, 31, 31AB, 33BA, 43, 43AA, 43BA
<i>Sambucus nigra</i>	Dg, Dm	63.0	28BB, 29, 29AB
<i>Chelidonium majus</i>	Dm	48.0	29, 29AB
<i>Urtica dioica</i>		44.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Stellaria media</i> agg.		41.0	17EC, 29, 29AB, 33, 33AA, 33AC, 33BA, 43AD

Dominant species (7)

<i>Robinia pseudoacacia</i>	Dg, C	44.0	29, 29AB
<i>Chelidonium majus</i>	C	22.0	29, 43AA
<i>Acer negundo</i>	Dg	19.0	29
<i>Solidago gigantea</i>		4.0	02AB, 43, 43BA
<i>Sambucus nigra</i>	Dg, C	4.0	28BB
<i>Bromus tectorum</i>		4.0	02AC, 14, 14BA, 33DA
<i>Arrhenatherum elatius</i>		4.0	17AA

Alliance 29AB *Balloto nigrae-Robinion***Meso-xerophilous *Robinia* forests on eutrophic soils**

No. of relevés: 21

Diagnostic species (12)

<i>Anthriscus cerefolium</i>	C, Dm	62.0	28BB, 29
<i>Robinia pseudoacacia</i>	C, Dm	50.2	29, 29AA

<i>Veronica hederifolia</i> agg.	C, Dm	48.9	29, 33AC
<i>Bromus sterilis</i>	C, Dm	48.8	29
<i>Allium vineale</i>	C	45.1	29
<i>Lamium purpureum</i>	C	44.9	29
<i>Chelidonium majus</i>	C	40.5	29
<i>Sambucus nigra</i>	C	34.4	28BB, 29, 29AA
<i>Ornithogalum boucheanum</i>		34.3	29
<i>Alliaria petiolata</i>	C	28.3	29
<i>Geranium pyrenaicum</i>		26.3	29
<i>Stellaria media</i> agg.	C, Dm	24.1	29, 33, 33BA
Constant species (14)			
<i>Robinia pseudoacacia</i>	Dg, Dm	100.0	29, 29AA
<i>Bromus sterilis</i>	Dg, Dm	95.0	29, 33DA
<i>Sambucus nigra</i>	Dg	81.0	28BB, 29, 29AA
<i>Chelidonium majus</i>	Dg	81.0	29, 29AA
<i>Veronica hederifolia</i> agg.	Dg, Dm	76.0	29, 33AC
<i>Urtica dioica</i>		76.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Lamium purpureum</i>	Dg	76.0	29
<i>Anthriscus cerefolium</i>	Dg, Dm	76.0	29
<i>Stellaria media</i> agg.	Dg, Dm	71.0	17EC, 29, 29AA, 33, 33AA, 33AC, 33BA, 43AD
<i>Alliaria petiolata</i>	Dg	62.0	25, 29
<i>Galium aparine</i>	Dm	57.0	27AC, 28, 28BB, 29, 29AA, 31, 31AB, 33BA, 43, 43AA, 43BA
<i>Geum urbanum</i>		48.0	27AC, 27BA, 28, 28AA, 28AB, 29
<i>Taraxacum</i> sect. <i>Ruderalia</i>		43.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 33, 33DA, 43AC
<i>Allium vineale</i>	Dg	43.0	29
Dominant species (7)			
<i>Robinia pseudoacacia</i>	Dg, C	90.0	29, 29AA
<i>Bromus sterilis</i>	Dg, C	48.0	29, 33DA
<i>Veronica hederifolia</i> agg.	Dg, C	10.0	29
<i>Stellaria media</i> agg.	Dg, C	10.0	17EC, 29, 33AC, 33BA
<i>Anthriscus cerefolium</i>	Dg, C	10.0	29, 43, 43AA
<i>Galium aparine</i>	C	5.0	
<i>Aristolochia clematitis</i>		5.0	

Class 30 *Salicetea herbaceae***Communities of snow beds and snow fields**

No. of relevés: 696

Diagnostic species (16)

<i>Kiaeria starkei</i> agg.	C, Dm	55.5	30AA
<i>Polytrichum sexangulare</i>	C, Dm	52.2	30AA
<i>Luzula alpinopilosa</i>	C, Dm	50.6	13, 30AA, 30AB, 36BA, 42
<i>Gnaphalium supinum</i>	C	50.5	30AA
<i>Sedum alpestre</i>	C	48.5	30AA
<i>Festuca picturata</i>	C, Dm	45.3	20CA, 20CB, 30AB
<i>Geum montanum</i>	C, Dm	44.5	20CA, 20CB, 30AB
<i>Ligusticum mutellina</i>	C, Dm	43.3	30AB

<i>Dichodon cerastoides</i>		41.8	19AC, 30AA
<i>Pohlia drummondii</i>		40.8	30AA
<i>Veronica alpina</i>		37.2	30BA
<i>Anthelia juratzkana</i>		32.4	30AA, 30BA
<i>Salix herbacea</i>	C, Dm	31.8	30AA
<i>Leucanthemopsis alpina</i>	C	29.5	36BA
<i>Gentiana punctata</i>	C	28.8	20CA, 30AB
<i>Ranunculus pseudomontanus</i>	C	26.5	30AB
Constant species (18)			
<i>Luzula alpinopilosa</i>	Dg, Dm	80.0	13, 13AA, 19AC, 20CB, 30AA, 30AB, 36BA, 42, 42AB
<i>Ligusticum mutellina</i>	Dg, Dm	79.0	13, 13AA, 17EB, 19AC, 20, 20CA, 20CB, 20DA, 30AA, 30AB, 30BA, 45, 47AA
<i>Geum montanum</i>	Dg, Dm	60.0	20, 20CA, 20CB, 30AA, 30AB, 47AA
<i>Homogyne alpina</i>		48.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Festuca picturata</i>	Dg, Dm	48.0	20CA, 20CB, 30AB
<i>Soldanella carpatica</i>		45.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Sedum alpestre</i>	Dg	38.0	30AA
<i>Polytrichum sexangulare</i>	Dg, Dm	37.0	30AA
<i>Potentilla aurea</i>		36.0	06AC, 13, 17EB, 20, 20CA, 20CB, 20CE, 30AB, 47, 47AA, 47AB
<i>Kiaeria starkei</i> agg.	Dg, Dm	36.0	30AA
<i>Anthoxanthum odoratum</i> agg.		34.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Gnaphalium supinum</i>	Dg	33.0	30AA
<i>Ranunculus pseudomontanus</i>	Dg	32.0	30AB, 36BA
<i>Gentiana punctata</i>	Dg	32.0	20CA, 30AB
<i>Agrostis rupestris</i>		29.0	13, 13AA, 30AA, 45, 45AA, 47AA
<i>Salix herbacea</i>	Dg, Dm	28.0	30AA
<i>Doronicum stiriacum</i>		27.0	13, 36BA, 42, 42AB
<i>Leucanthemopsis alpina</i>	Dg	26.0	36BA
Dominant species (7)			
<i>Luzula alpinopilosa</i>	Dg, C	21.0	30AB
<i>Festuca picturata</i>	Dg, C	16.0	30AB
<i>Salix herbacea</i>	Dg, C	11.0	13, 13AA, 30AA
<i>Polytrichum sexangulare</i>	Dg, C	8.0	30AA
<i>Geum montanum</i>	Dg, C	3.0	30AB
<i>Ligusticum mutellina</i>	Dg, C	3.0	30AA, 30AB
<i>Kiaeria starkei</i> agg.	Dg, C	3.0	30AA

Alliance 30AA *Salicion herbaceae*

Communities of snow beds and snow fields on siliceous bedrock

No. of relevés: 286

Diagnostic species (11)

<i>Polytrichum sexangulare</i>	C, Dm	69.0	30
<i>Kiaeria starkei</i> agg.	C, Dm	66.2	30
<i>Pohlia drummondii</i>	C, Dm	49.0	30
<i>Gnaphalium supinum</i>	C, Dm	45.6	30

<i>Salix herbacea</i>	C, Dm	42.6	30
<i>Dichodon cerastoides</i>	C, Dm	42.5	19AC, 30
<i>Sedum alpestre</i>	C	41.2	30
<i>Anthelia juratzkana</i>	Dm	33.4	30, 30BA
<i>Luzula alpinopilosa</i>	C	31.9	13, 30, 30AB, 36BA, 42
<i>Cladonia ecmocyna</i>		31.4	
<i>Racomitrium sudeticum</i>		28.7	
Constant species (11)			
<i>Luzula alpinopilosa</i>	Dg	84.0	13, 13AA, 19AC, 20CB, 30, 30AB, 36BA, 42, 42AB
<i>Polytrichum sexangulare</i>	Dg, Dm	76.0	30
<i>Ligusticum mutellina</i>	Dm	70.0	13, 13AA, 17EB, 19AC, 20, 20CA, 20CB, 20DA, 30, 30AB, 30BA, 45, 47AA
<i>Kiaeria starkei</i> agg.	Dg, Dm	66.0	30
<i>Salix herbacea</i>	Dg, Dm	58.0	30
<i>Sedum alpestre</i>	Dg	53.0	30
<i>Gnaphalium supinum</i>	Dg, Dm	50.0	30
<i>Dichodon cerastoides</i>	Dg, Dm	49.0	
<i>Geum montanum</i>		47.0	20, 20CA, 20CB, 30, 30AB, 47AA
<i>Pohlia drummondii</i>	Dg, Dm	45.0	
<i>Agrostis rupestris</i>		44.0	13, 13AA, 30, 45, 45AA, 47AA
Dominant species (7)			
<i>Salix herbacea</i>	Dg, C	27.0	13, 13AA, 30
<i>Polytrichum sexangulare</i>	Dg, C	19.0	30
<i>Kiaeria starkei</i> agg.	Dg, C	6.0	30
<i>Ligusticum mutellina</i>	C	5.0	30, 30AB
<i>Pohlia drummondii</i>	Dg, C	3.0	
<i>Gnaphalium supinum</i>	Dg, C	3.0	
<i>Dichodon cerastoides</i>	Dg, C	3.0	

Alliance 30AB *Festucion picturatae***Chionophilous vegetation of fixed screes on siliceous bedrock**

No. of relevés: 342

Diagnostic species (6)

<i>Festuca picturata</i>	C, Dm	41.9	20CA, 20CB, 30
<i>Luzula alpinopilosa</i>	C, Dm	33.2	13, 30, 30AA, 36BA, 42
<i>Geum montanum</i>	C, Dm	32.8	20CA, 20CB, 30
<i>Ligusticum mutellina</i>	C, Dm	27.5	30
<i>Gentiana punctata</i>	C, Dm	25.7	20CA, 30
<i>Ranunculus pseudomontanus</i>	C	24.3	30

Constant species (10)

<i>Ligusticum mutellina</i>	Dg, Dm	91.0	13, 13AA, 17EB, 19AC, 20, 20CA, 20CB, 20DA, 30, 30AA, 30BA, 45, 47AA
<i>Luzula alpinopilosa</i>	Dg, Dm	87.0	13, 13AA, 19AC, 20CB, 30, 30AA, 36BA, 42, 42AB
<i>Festuca picturata</i>	Dg, Dm	82.0	20CA, 20CB, 30
<i>Homogyne alpina</i>		81.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Geum montanum</i>	Dg, Dm	78.0	20, 20CA, 20CB, 30, 30AA, 47AA
<i>Soldanella carpatica</i>		61.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30BA, 36BA, 42, 42AA, 42AB, 46, 47, 47AA

<i>Potentilla aurea</i>		58.0	06AC, 13, 17EB, 20, 20CA, 20CB, 20CE, 30, 47, 47AA, 47AB
<i>Ranunculus pseudomontanus</i>	Dg	53.0	30, 36BA
<i>Anthoxanthum odoratum</i> agg.		49.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Gentiana punctata</i>	Dg, Dm	46.0	20CA, 30
Dominant species (4)			
<i>Luzula alpinopilosa</i>	Dg, C	42.0	30
<i>Festuca picturata</i>	Dg, C	32.0	30
<i>Geum montanum</i>	Dg, C	4.0	30
<i>Ligusticum mutellina</i>	Dg, C	3.0	30, 30AA

Alliance 30BA *Arabidion caeruleae*

Chionophilous basiphilous vegetation on fixed screes

No. of relevés: 68

Diagnostic species (28)

<i>Saxifraga wahlenbergii</i>	C, Dm	52.9	42AA
<i>Bucegia romanica</i>		47.7	
<i>Veronica aphylla</i>	C	45.6	
<i>Pritzelago alpina</i>	C	45.2	36AA
<i>Veronica alpina</i>	C	43.5	30
<i>Saxifraga androsacea</i>	C, Dm	43.0	36BA, 42
<i>Ranunculus alpestris</i>	C	42.9	06, 06AA
<i>Salix reticulata</i>	C, Dm	40.8	42, 42AA
<i>Bryum elegans</i>		39.4	
<i>Scorzoneroides pseudotaraxaci</i>	C	39.2	42
<i>Cerastium arvense *glandulosum</i>	C	38.2	36AA
<i>Woodsia alpina</i>		37.4	
<i>Tayloria froelichiana</i>		35.9	
<i>Gnaphalium hoppeanum</i>		34.3	
<i>Jungermannia atrovirens</i>		34.3	
<i>Saxifraga aizoides</i>	C	33.0	06AA, 42AA
<i>Distichium inclinatum</i>		31.0	
<i>Bistorta vivipara</i>	C	30.2	06AA, 42, 42AA, 42AB
<i>Pedicularis oederi</i>	C	28.3	42, 42AA, 42AB
<i>Selaginella selaginoides</i>	C	28.1	06AA
<i>Meesia uliginosa</i>		27.8	
<i>Timmia austriaca</i>		27.7	
<i>Timmia norvegica</i>		26.1	
<i>Rhodiola rosea</i>	C	26.0	36AA, 42
<i>Cystopteris alpina</i>		25.9	
<i>Poa alpina</i>	C	24.8	17EB, 19AC, 36BA
<i>Myosotis alpestris</i>	C	24.7	36AA, 42, 42AA
<i>Anthelia juratzkana</i>		24.5	30, 30AA

Constant species (24)

<i>Soldanella carpatica</i>		82.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 36BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Bistorta vivipara</i>	Dg	76.0	06, 06AA, 06AC, 42, 42AA, 42AB
<i>Poa alpina</i>	Dg	75.0	06AC, 17EB, 19AC, 36AA, 36BA, 42, 42AA
<i>Ranunculus alpestris</i>	Dg	74.0	06AA, 42AA
<i>Saxifraga wahlenbergii</i>	Dg, Dm	72.0	42AA

<i>Rhodiola rosea</i>	Dg	60.0	20CB, 36AA, 36BA, 42, 42AA, 42AB
<i>Salix reticulata</i>	Dg, Dm	57.0	42AA
<i>Cerastium arvense *glandulosum</i>	Dg	57.0	36AA
<i>Saxifraga androsacea</i>	Dg, Dm	56.0	36BA
<i>Ligusticum mutellina</i>		56.0	13, 13AA, 17EB, 19AC, 20, 20CA, 20CB, 20DA, 30, 30AA, 30AB, 45, 47AA
<i>Veronica alpina</i>	Dg	53.0	
<i>Pedicularis oederi</i>	Dg	50.0	42, 42AA, 42AB
<i>Saxifraga aizoides</i>	Dg	49.0	06AA, 42AA
<i>Pritzelago alpina</i>	Dg	49.0	
<i>Veronica aphylla</i>	Dg	47.0	
<i>Scorzoneroides pseudotaraxaci</i>	Dg	47.0	
<i>Selaginella selaginoides</i>	Dg	46.0	06AA
<i>Myosotis alpestris</i>	Dg	44.0	36AA, 42, 42AA
<i>Arabis alpina</i>		44.0	36AA, 36CC
<i>Swertia perennis</i>		43.0	20CE, 42AA
<i>Sesleria tatrae</i>		43.0	06AC, 20CE, 36AA, 42AA, 46, 46AA
<i>Bartsia alpina</i>		43.0	06, 06AA, 06AC, 42, 42AA, 42AB
<i>Alchemilla spec. div.</i>		43.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 36BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Bellidiastrum michelii</i>		41.0	03, 03AB, 06, 06AA, 06AC, 08
Dominant species (5)			
<i>Saxifraga wahlenbergii</i>	Dg, C	12.0	
<i>Salix retusa</i> agg.		7.0	42, 42AB
<i>Saxifraga androsacea</i>	Dg, C	6.0	
<i>Salix reticulata</i>	Dg, C	6.0	
<i>Cetraria islandica</i>		4.0	13, 13AA, 42AB, 45, 45AA, 45AB

Class 31 *Salicetea purpureae***Riverine willow shrub and willow-poplar woodland along brooks and rivers**

No. of relevés: 344

Diagnostic species (26)

<i>Salix alba</i>	C, Dm	56.8	31AC
<i>Phalaris arundinacea</i>	C, Dm	49.5	22BB, 31AB, 31AC
<i>Rubus caesius</i>	C, Dm	48.4	31AB, 31AC
<i>Salix fragilis</i>	C, Dm	48.2	31AA, 31AB, 31AC
<i>Symphytum officinale</i> agg.	C	42.0	31AB
<i>Leucosium aestivum</i>		37.6	17BE, 31AC
<i>Populus alba</i>	Dm	37.0	31AC
<i>Aster novi-belgii</i> agg.	C, Dm	35.3	31AC
<i>Salix triandra</i>	Dm	35.0	31AB
<i>Iris pseudacorus</i>	C	34.8	01, 31AC
<i>Salix purpurea</i>	Dm	30.9	31AA
<i>Stachys palustris</i>	C	30.8	
<i>Lysimachia nummularia</i>	C	30.3	17BE
<i>Populus × canadensis</i>	Dm	30.1	31AC
<i>Humulus lupulus</i>	C	29.9	29, 31AB
<i>Solanum dulcamara</i>	C	27.7	01, 01AA, 01BA, 31AB
<i>Angelica sylvestris</i>	C	27.3	
<i>Poa palustris</i>	C	27.1	17BF, 22BB
<i>Urtica dioica</i>	C, Dm	27.0	43
<i>Fraxinus angustifolia</i>	Dm	26.5	27AC
<i>Cornus sanguinea</i> agg.	C, Dm	26.2	27AC, 28, 28AA

<i>Populus nigra</i>	Dm	25.8	
<i>Acer negundo</i>		25.1	29, 29AA, 31AC
<i>Calystegia sepium</i>	C	24.7	01, 31AB, 43BA
<i>Galium palustre</i> agg.	C	24.6	01, 22
<i>Impatiens glandulifera</i>		24.0	43BA
Constant species (23)			
<i>Urtica dioica</i>	Dg, Dm	74.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Rubus caesius</i>	Dg, Dm	70.0	01, 27BA, 31AB, 31AC, 43BA
<i>Phalaris arundinacea</i>	Dg, Dm	58.0	22BB, 31AB, 31AC
<i>Symphytum officinale</i> agg.	Dg	50.0	01, 17BE, 31AB, 31AC
<i>Salix alba</i>	Dg, Dm	46.0	31AC
<i>Ranunculus repens</i>		46.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Lysimachia nummularia</i>	Dg	42.0	17BB, 17BE, 31AC
<i>Salix fragilis</i>	Dg, Dm	40.0	31AA, 31AB
<i>Galium aparine</i>		40.0	27AC, 28, 28BB, 29, 29AA, 29AB, 31AB, 33BA, 43, 43AA, 43BA
<i>Galium palustre</i> agg.	Dg	39.0	01, 01BA, 17BE, 17BF, 22, 22EA, 31AC, 32, 32CA, 32CB
<i>Lysimachia vulgaris</i>		38.0	01, 01AA, 01BA, 17BC, 17BF, 18, 18AA, 22, 22EA, 31AB
<i>Myosotis scorpioides</i> agg.		37.0	01, 17BA, 17BF, 17CD, 19BC, 20EA, 31AA, 31AB, 32, 32CA
<i>Iris pseudacorus</i>	Dg	37.0	01, 22, 31AC
<i>Humulus lupulus</i>	Dg	35.0	29, 31AB
<i>Glechoma hederacea</i> agg.		35.0	27BA, 28, 43AC
<i>Cornus sanguinea</i> agg.	Dg, Dm	33.0	27AC, 28, 28AA
<i>Angelica sylvestris</i>	Dg	32.0	31AA, 31AB
<i>Solanum dulcamara</i>	Dg	31.0	01, 01AA, 01BA, 31AB
<i>Lythrum salicaria</i>		31.0	01, 17CD, 22, 22EA
<i>Calystegia sepium</i>	Dg	28.0	01, 31AB, 43, 43BA
<i>Poa palustris</i>	Dg	27.0	17BF, 22BB
<i>Stachys palustris</i>	Dg	26.0	
<i>Aster novi-belgii</i> agg.	Dg, Dm	26.0	
Dominant species (13)			
<i>Salix alba</i>	Dg, C	15.0	31AC
<i>Urtica dioica</i>	Dg, C	12.0	02AC, 17EC, 28BB, 31AB, 31AC, 36CB, 43, 43AB, 43AD, 43BA
<i>Rubus caesius</i>	Dg, C	8.0	01AA, 31AB, 31AC, 43BA
<i>Salix triandra</i>	Dg	6.0	31AB
<i>Salix purpurea</i>	Dg	6.0	01AA, 31AA
<i>Salix fragilis</i>	Dg, C	5.0	31AC
<i>Populus alba</i>	Dg	5.0	31AC
<i>Cornus sanguinea</i> agg.	Dg, C	4.0	28, 28AA, 31AC
<i>Populus nigra</i>	Dg	4.0	31AC
<i>Salix elaeagnos</i>		3.0	31AA
<i>Phalaris arundinacea</i>	Dg, C	3.0	22, 22BB, 22EA, 31AC

<i>Fraxinus angustifolia</i>	Dg	3.0	31AC
<i>Carex riparia</i>		3.0	01, 01BA, 22, 22EA, 31AC

Alliance 31AA *Salicion incanae***Willow and *Myricaria* shrubs on submontane gravel river alluviums**

No. of relevés: 60

Diagnostic species (8)

<i>Salix purpurea</i>	C, Dm	57.9	31
<i>Salix elaeagnos</i>	Dm	57.5	
<i>Myricaria germanica</i>	Dm	52.7	
<i>Petasites hybridus</i>	C, Dm	32.6	20, 20EA
<i>Salix fragilis</i>	C	30.4	31, 31AB, 31AC
<i>Roegneria canina</i>	C	26.8	
<i>Alnus incana</i>		26.6	18, 28AB
<i>Calamagrostis pseudophragmites</i>		25.9	22BB

Constant species (17)

<i>Salix purpurea</i>	Dg, Dm	88.0	
<i>Urtica dioica</i>		68.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Ranunculus repens</i>		58.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AB, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Aegopodium podagraria</i>		55.0	27BA, 28AB, 31AB
<i>Myosotis scorpioides</i> agg.		52.0	01, 17BA, 17BF, 17CD, 19BC, 20EA, 31, 31AB, 32, 32CA
<i>Angelica sylvestris</i>		50.0	31, 31AB
<i>Petasites hybridus</i>	Dg, Dm	48.0	20EA
<i>Poa trivialis</i>		47.0	17BA, 20EA, 43, 43AC, 43AD
<i>Dactylis glomerata</i>		47.0	10BA, 10BB, 17, 17AA, 17EA, 20EA, 43, 43AC
<i>Salix fragilis</i>	Dg	45.0	31, 31AB
<i>Agrostis stolonifera</i>		45.0	04, 04AA, 11, 11AA, 11AB, 11AC, 12, 12AB, 17BB, 17BE, 17CA, 17DA
<i>Roegneria canina</i>	Dg	43.0	
<i>Equisetum arvense</i>		43.0	31AB
<i>Chaerophyllum hirsutum</i>		42.0	19, 19AE, 20, 20EA
<i>Heraclium sphondylium</i>		42.0	20CE, 28AB, 43AC, 46, 46AA
<i>Galium mollugo</i> agg.		42.0	17AA, 25, 25AA, 27AA, 28, 28AA, 28AC, 36, 36CA, 36CB, 36CC, 37
<i>Filipendula ulmaria</i>		42.0	01, 17BA, 17BF, 32, 32AB, 32AG, 32CA
Dominant species (4)			
<i>Salix purpurea</i>	Dg, C	30.0	01AA, 31
<i>Salix elaeagnos</i>	Dg	15.0	31
<i>Myricaria germanica</i>	Dg	13.0	
<i>Petasites hybridus</i>	Dg, C	5.0	20, 20EA, 22BB

Alliance 31AB Salicion triandrae**Willow shrubs on inundated banks of water-courses in lowlands and uplands**

No. of relevés: 34

Diagnostic species (9)

<i>Salix triandra</i>	C, Dm	82.6	31
<i>Calystegia sepium</i>	C	35.9	01, 31, 43BA
<i>Salix viminalis</i>		35.4	
<i>Salix fragilis</i>	C	33.8	31, 31AA, 31AC
<i>Symphytum officinale</i> agg.	C	31.8	31
<i>Humulus lupulus</i>	C	30.2	29, 31
<i>Phalaris arundinacea</i>	C	29.6	22BB, 31, 31AC
<i>Solanum dulcamara</i>	C	28.4	01, 01AA, 01BA, 31
<i>Rubus caesius</i>	C, Dm	26.4	31, 31AC

Constant species (18)

<i>Salix triandra</i>	Dg, Dm	100.0	
<i>Urtica dioica</i>	Dm	85.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Symphytum officinale</i> agg.	Dg	76.0	01, 17BE, 31, 31AC
<i>Phalaris arundinacea</i>	Dg	71.0	22BB, 31, 31AC
<i>Calystegia sepium</i>	Dg	71.0	01, 31, 43, 43BA
<i>Rubus caesius</i>	Dg, Dm	68.0	01, 27BA, 31, 31AC, 43BA
<i>Lysimachia vulgaris</i>		59.0	01, 01AA, 01BA, 17BC, 17BF, 18, 18AA, 22, 22EA, 31
<i>Galium aparine</i>		59.0	27AC, 28, 28BB, 29, 29AA, 29AB, 31, 33BA, 43, 43AA, 43BA
<i>Lycopus europaeus</i>		56.0	01, 01BA, 17CD
<i>Humulus lupulus</i>	Dg	56.0	29, 31
<i>Ranunculus repens</i>		53.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AC, 33AB, 43, 43AC, 43AD, 43AE
<i>Solanum dulcamara</i>	Dg	50.0	01, 01AA, 01BA, 31
<i>Salix fragilis</i>	Dg	50.0	31, 31AA
<i>Myosotis scorpioides</i> agg.		47.0	01, 17BA, 17BF, 17CD, 19BC, 20EA, 31, 31AA, 32, 32CA
<i>Angelica sylvestris</i>		47.0	31, 31AA
<i>Persicaria hydropiper</i>		44.0	04, 04AA
<i>Equisetum arvense</i>		41.0	31AA
<i>Aegopodium podagraria</i>		41.0	27BA, 28AB, 31AA
Dominant species (5)			
<i>Salix triandra</i>	Dg, C	56.0	31
<i>Urtica dioica</i>	C	6.0	02AC, 17EC, 28BB, 31, 31AC, 36CB, 43, 43AB, 43AD, 43BA
<i>Ulmus laevis</i>		6.0	
<i>Aster novi-belgii</i> agg.		6.0	43, 43BA
<i>Rubus caesius</i>	Dg, C	3.0	01AA, 31, 31AC, 43BA

Alliance 31AC *Salicion albae***Willow-poplar forests on wettest alluviums of bigger lowland rivers**

No. of relevés: 250

Diagnostic species (10)

<i>Salix alba</i>	C, Dm	48.9	31
<i>Rubus caesius</i>	C, Dm	32.6	31, 31AB
<i>Populus × canadensis</i>	Dm	32.1	31
<i>Leucojum aestivum</i>		31.4	17BE, 31
<i>Populus alba</i>	Dm	30.4	31
<i>Iris pseudacorus</i>	C	28.4	01, 31
<i>Phalaris arundinacea</i>	C, Dm	28.3	22BB, 31, 31AB
<i>Acer negundo</i>		25.1	29, 29AA, 31
<i>Salix fragilis</i>	Dm	24.7	31, 31AA, 31AB
<i>Aster novi-belgii</i> agg.	Dm	24.6	31

Constant species (9)

<i>Rubus caesius</i>	Dg, Dm	83.0	01, 27BA, 31, 43BA
<i>Urtica dioica</i>	Dm	74.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Phalaris arundinacea</i>	Dg, Dm	68.0	22BB, 31, 31AB
<i>Salix alba</i>	Dg, Dm	59.0	31
<i>Symphytum officinale</i> agg.		54.0	01, 17BE, 31, 31AB
<i>Galium palustre</i> agg.		49.0	01, 01BA, 17BE, 17BF, 22, 22EA, 31, 32, 32CA, 32CB
<i>Lysimachia nummularia</i>		48.0	17BB, 17BE, 31
<i>Iris pseudacorus</i>	Dg	48.0	01, 22, 31
<i>Ranunculus repens</i>		42.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 33AB, 43, 43AC, 43AD, 43AE

Dominant species (11)

<i>Salix alba</i>	Dg, C	20.0	31
<i>Urtica dioica</i>	C	16.0	02AC, 17EC, 28BB, 31, 31AB, 36CB, 43, 43AB, 43AD, 43BA
<i>Rubus caesius</i>	Dg, C	11.0	01AA, 31, 31AB, 33AB, 43BA
<i>Salix fragilis</i>	Dg	7.0	31
<i>Populus alba</i>	Dg	7.0	31
<i>Cornus sanguinea</i> agg.		6.0	28, 28AA, 31
<i>Populus nigra</i>		5.0	31
<i>Phalaris arundinacea</i>	Dg, C	5.0	22, 22BB, 22EA, 31
<i>Fraxinus angustifolia</i>		4.0	31
<i>Carex riparia</i>		4.0	01, 01BA, 22, 22EA, 31
<i>Populus × canadensis</i>	Dg	3.0	

Class 32 *Scheuchzerio-Caricetea fuscae***Minerotrophic fens and transitional mires**

No. of relevés: 2373

Diagnostic species (39)

<i>Carex panicea</i>	C	62.0	32AB
<i>Carex davalliana</i>	C, Dm	58.3	32AB
<i>Eriophorum latifolium</i>	C	54.9	32AB

<i>Carex flava</i> agg.	C	54.8	32AB
<i>Eriophorum angustifolium</i>	C	45.1	16BA, 32AG, 32CC, 32CD
<i>Carex nigra</i>	C, Dm	42.5	16BA, 18, 32CA, 32CD
<i>Valeriana simplicifolia</i>	C	42.3	
<i>Drepanocladus revolvens</i>	C, Dm	42.0	32AB, 32CB
<i>Tomenthypnum nitens</i>		41.6	32CC
<i>Equisetum palustre</i>	C	41.6	
<i>Galium uliginosum</i>	C	37.1	
<i>Primula farinosa</i>		36.9	11AB, 32AB
<i>Potentilla erecta</i>	C	36.3	18
<i>Cirsium rivulare</i>	C	36.2	17BA
<i>Dactylorhiza majalis</i>	C	36.0	32AG
<i>Pedicularis palustris</i>		35.9	32CB
<i>Succisa pratensis</i>		33.8	17BC
<i>Bryum pseudotriquetrum</i>	C	33.3	16BA, 19, 19AE
<i>Campylium stellatum</i> agg.	C	33.1	
<i>Calliergonella cuspidata</i>	C	32.9	
<i>Pinguicula vulgaris</i>		32.1	11AB, 16BA
<i>Ranunculus acris</i>	C	31.9	17
<i>Briza media</i>	C	31.7	17
<i>Epipactis palustris</i>		30.1	
<i>Carex dioica</i>		28.9	32CC
<i>Climacium dendroides</i>		28.7	
<i>Parnassia palustris</i>	C	28.2	
<i>Fissidens adianthoides</i>		27.5	
<i>Aulacomnium palustre</i> agg.		27.4	32AG, 32BB, 32CC, 40
<i>Cirsium palustre</i>	C	27.2	
<i>Lychnis flos-cuculi</i>		26.9	17, 17BB, 17BE
<i>Juncus articulatus</i>	C	26.7	12
<i>Plagiomnium affine</i> agg.	C	25.4	
<i>Carex hostiana</i>		24.9	
<i>Carex rostrata</i>	C	24.8	17BF, 18, 32CB
<i>Carex echinata</i>	C	24.7	18, 32CA
<i>Dactylorhiza maculata</i> agg.		24.6	
<i>Triglochin palustris</i>		24.4	16BA
<i>Filipendula ulmaria</i>	C	24.2	01, 17BF
Constant species (31)			
<i>Potentilla erecta</i>	Dg	72.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Carex panicea</i>	Dg	72.0	16BA, 17BA, 17BC, 19BB, 32AB, 32AG, 32BB, 32CA, 32CB, 32CC
<i>Carex nigra</i>	Dg, Dm	68.0	16BA, 18, 18AA, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 40, 40AB, 49
<i>Carex flava</i> agg.	Dg	55.0	16BA, 19BB, 32AB, 32CA, 32CC
<i>Equisetum palustre</i>	Dg	53.0	17BA, 19BB, 32AB, 32AG, 32CA, 32CB, 32CC
<i>Ranunculus acris</i>	Dg	49.0	17, 17AA, 17AB, 17BA, 17BB, 17BC, 17BD, 17BE, 17EA, 17EC, 32AB, 32CA, 47AC
<i>Eriophorum latifolium</i>	Dg	47.0	16BA, 19BB, 32AB, 32CC
<i>Eriophorum angustifolium</i>	Dg	47.0	16BA, 32AG, 32BB, 32CA, 32CB, 32CC, 32CD

<i>Briza media</i>	Dg	47.0	10BA, 10BB, 17, 17AA, 17AB, 17BC, 17EA, 32AB, 32AG, 32CC, 48AC
<i>Carex davalliana</i>	Dg, Dm	46.0	32AB, 32AG
<i>Caltha palustris</i>		39.0	01, 01BA, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32AB, 32CA, 32CC
<i>Valeriana simplicifolia</i>	Dg	38.0	32AB
<i>Campylium stellatum</i> agg.	Dg	38.0	16BA, 32AB, 32CB
<i>Filipendula ulmaria</i>	Dg	35.0	01, 17BA, 17BF, 31AA, 32AB, 32AG, 32CA
<i>Bryum pseudotriquetrum</i>	Dg	35.0	16BA, 19, 19AC, 19AE, 19BB, 32AB, 32AG, 32CB
<i>Galium uliginosum</i>	Dg	34.0	32CA, 32CC
<i>Crepis paludosa</i>		34.0	17BF, 19AE, 32AG, 32CC
<i>Plagiomnium affine</i> agg.	Dg	33.0	16BA, 17BF, 32AB, 32AG
<i>Calliergonella cuspidata</i>	Dg	33.0	16BA, 32AG
<i>Festuca rubra</i> agg.		32.0	17, 17AA, 17AB, 17BA, 17BC, 17EA, 32AG, 47, 47AB, 47AC
<i>Cirsium palustre</i>	Dg	32.0	32AG
<i>Juncus articulatus</i>	Dg	31.0	12, 12AD, 19BB, 32AG
<i>Carex rostrata</i>	Dg	31.0	16BA, 17BF, 18, 18AA, 32BE, 32CB
<i>Prunella vulgaris</i>		30.0	17, 17AB, 17BC, 17DA, 32AB, 50, 50AB
<i>Parnassia palustris</i>	Dg	30.0	06AC, 11AB, 32AB
<i>Cirsium rivulare</i>	Dg	30.0	17BA, 32AB
<i>Myosotis scorpioides</i> agg.		27.0	01, 17BA, 17BF, 17CD, 19BC, 20EA, 31, 31AA, 31AB, 32CA
<i>Carex echinata</i>	Dg	27.0	18, 18AA, 32AG, 32CA, 32CC, 32CD
<i>Galium palustre</i> agg.		26.0	01, 01BA, 17BE, 17BF, 22, 22EA, 31, 31AC, 32CA, 32CB
<i>Drepanocladus revolvens</i>	Dg, Dm	26.0	
<i>Dactylorhiza majalis</i>	Dg	26.0	16BA, 32AG
Dominant species (4)			
<i>Carex davalliana</i>	Dg, C	7.0	32AB
<i>Sphagnum recurvum</i> agg.		5.0	16, 16BA, 18, 18AA, 32BB, 32BE, 32CD, 40, 40AB, 49, 49AB
<i>Drepanocladus revolvens</i>	Dg, C	3.0	32AB, 32CB
<i>Carex nigra</i>	Dg, C	3.0	32CA, 32CC

Alliance 32AB *Caricion davallianae***Calcareous fens rich in small-sedge**

No. of relevés: 1280

Diagnostic species (6)

<i>Carex davalliana</i>	C, Dm	40.5	32
<i>Eriophorum latifolium</i>	C	36.2	32
<i>Carex panicea</i>	C	28.0	32
<i>Carex flava</i> agg.	C	27.6	32
<i>Drepanocladus revolvens</i>	Dm	24.4	32, 32CB
<i>Primula farinosa</i>		24.0	11AB, 32

Constant species (18)

<i>Carex panicea</i>	Dg	85.0	16BA, 17BA, 17BC, 19BB, 32, 32AG, 32BB, 32CA, 32CB, 32CC
<i>Potentilla erecta</i>		84.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB

<i>Carex davalliana</i>	Dg, Dm	73.0	32, 32AG
<i>Carex flava</i> agg.	Dg	71.0	16BA, 19BB, 32, 32CA, 32CC
<i>Eriophorum latifolium</i>	Dg	70.0	16BA, 19BB, 32, 32CC
<i>Equisetum palustre</i>		63.0	17BA, 19BB, 32, 32AG, 32CA, 32CB, 32CC
<i>Briza media</i>		63.0	10BA, 10BB, 17, 17AA, 17AB, 17BC, 17EA, 32, 32AG, 32CC, 48AC
<i>Carex nigra</i>		62.0	16BA, 18, 18AA, 32, 32AG, 32CA, 32CB, 32CC, 32CD, 40, 40AB, 49
<i>Ranunculus acris</i>		59.0	17, 17AA, 17AB, 17BA, 17BB, 17BC, 17BD, 17BE, 17EA, 17EC, 32, 32CA, 47AC
<i>Campylium stellatum</i> agg.	Dm	52.0	16BA, 32, 32CB
<i>Valeriana simplicifolia</i>		45.0	32
<i>Parnassia palustris</i>		44.0	06AC, 11AB, 32
<i>Cirsium rivulare</i>		43.0	17BA, 32
<i>Caltha palustris</i>		42.0	01, 01BA, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32, 32CA, 32CC
<i>Prunella vulgaris</i>		41.0	17, 17AB, 17BC, 17DA, 32, 50, 50AB
<i>Plagiomnium affine</i> agg.		41.0	16BA, 17BF, 32, 32AG
<i>Filipendula ulmaria</i>		41.0	01, 17BA, 17BF, 31AA, 32, 32AG, 32CA
<i>Bryum pseudotriquetrum</i>		41.0	16BA, 19, 19AC, 19AE, 19BB, 32, 32AG, 32CB
Dominant species (4)			
<i>Carex davalliana</i>	Dg, C	12.0	32
<i>Drepanocladus revolvens</i>	Dg	4.0	32, 32CB
<i>Drepanocladus cossonii</i>		4.0	32CB
<i>Campylium stellatum</i> agg.	C	3.0	19BC, 22DA

Alliance 32AG *Sphagno warnstorfiani-Tomenthypnion*

Slightly calcareous fens with calcitolerant *Sphagnum* spec. div. in lower montane belt

No. of relevés: 17

Diagnostic species (11)

<i>Pseudobryum cinclidioides</i>	Dm	33.1	
<i>Lotus uliginosus</i>		30.0	
<i>Sphagnum squarrosum</i>		26.8	18
<i>Crepis paludosa</i>	C	26.0	17BF
<i>Dactylorhiza majalis</i>	C	25.7	32
<i>Aulacomnium palustre</i> agg.	C, Dm	25.5	32, 32BB, 32CC, 40
<i>Pedicularis sylvatica</i>		25.1	
<i>Eriophorum angustifolium</i>	C	24.6	16BA, 32, 32CC, 32CD
<i>Carex pulicaris</i>		24.5	
<i>Sphagnum subnitens</i>		24.0	
<i>Drosera rotundifolia</i>	C	24.0	18, 32BB, 40

Constant species (21)

<i>Crepis paludosa</i>	Dg	76.0	17BF, 19AE, 32, 32CC
<i>Potentilla erecta</i>		71.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Carex panicea</i>		71.0	16BA, 17BA, 17BC, 19BB, 32, 32AB, 32BB, 32CA, 32CB, 32CC
<i>Eriophorum angustifolium</i>	Dg	65.0	16BA, 32, 32BB, 32CA, 32CB, 32CC, 32CD

<i>Carex nigra</i>		59.0	16BA, 18, 18AA, 32, 32AB, 32CA, 32CB, 32CC, 32CD, 40, 40AB, 49
<i>Plagiomnium affine</i> agg.		53.0	16BA, 17BF, 32, 32AB
<i>Festuca rubra</i> agg.		53.0	17, 17AA, 17AB, 17BA, 17BC, 17EA, 32, 47, 47AB, 47AC
<i>Cirsium palustre</i>		53.0	32
<i>Calliergonella cuspidata</i>		53.0	16BA, 32
<i>Briza media</i>		53.0	10BA, 10BB, 17, 17AA, 17AB, 17BC, 17EA, 32, 32AB, 32CC, 48AC
<i>Equisetum palustre</i>		47.0	17BA, 19BB, 32, 32AB, 32CA, 32CB, 32CC
<i>Drosera rotundifolia</i>	Dg	47.0	32BB, 40
<i>Dactylorhiza majalis</i>	Dg	47.0	16BA, 32
<i>Carex echinata</i>		47.0	18, 18AA, 32, 32BB, 32CA, 32CC, 32CD
<i>Aulacomnium palustre</i> agg.	Dg, Dm	47.0	32CC
<i>Agrostis canina</i>		47.0	18, 18AA, 32BB
<i>Juncus articulatus</i>		41.0	12, 12AD, 19BB, 32
<i>Filipendula ulmaria</i>		41.0	01, 17BA, 17BF, 31AA, 32, 32AB, 32CA
<i>Epilobium palustre</i>		41.0	
<i>Carex davalliana</i>		41.0	32, 32AB
<i>Bryum pseudotriquetrum</i>		41.0	16BA, 19, 19AC, 19AE, 19BB, 32, 32AB, 32CB
Dominant species (5)			
<i>Sphagnum warnstorffii</i>		12.0	32CC
<i>Pseudobryum cinclidioides</i>	Dg	12.0	
<i>Tomenthypnum nitens</i>		6.0	
<i>Equisetum variegatum</i>		6.0	
<i>Aulacomnium palustre</i> agg.	Dg, C	6.0	

Alliance 32BB *Rhynchosporion albae***Sub-oceanic mesotrophic and oligotrophic mires**

No. of relevés: 36

Diagnostic species (13)

<i>Rhynchospora alba</i>	C, Dm	87.4	
<i>Hydrocotyle vulgaris</i>		43.5	
<i>Drosera rotundifolia</i>	C	41.9	18, 32AG, 40
<i>Andromeda polifolia</i>	C	41.0	40, 40AB
<i>Cephalozia lunulifolia</i>		38.6	
<i>Sphagnum cuspidatum</i>	Dm	34.8	32BE
<i>Carex pauciflora</i>		33.0	40, 40AB, 49
<i>Sphagnum palustre</i> agg.	C, Dm	30.0	18, 18AA, 40
<i>Jungermannia sphaerocarpa</i>		29.0	40
<i>Juncus alpinoarticulatus</i>		28.7	
<i>Sphagnum subsecundum</i>		28.1	
<i>Sphagnum denticulatum</i>		27.5	
<i>Aulacomnium palustre</i> agg.	C	24.0	32, 32AG, 32CC, 40

Constant species (10)

<i>Rhynchospora alba</i>	Dg, Dm	81.0	
<i>Drosera rotundifolia</i>	Dg	81.0	32AG, 40
<i>Sphagnum palustre</i> agg.	Dg, Dm	50.0	18, 18AA, 40
<i>Eriophorum angustifolium</i>		50.0	16BA, 32, 32AG, 32CA, 32CB, 32CC, 32CD
<i>Vaccinium oxycoccos</i>		47.0	16BA, 18, 18AA, 32CD, 40, 40AB, 49, 49AB
<i>Sphagnum capillifolium</i> agg.	Dm	44.0	40, 40AA, 40AB, 49, 49AB

<i>Aulacomnium palustre</i> agg.	Dg	44.0	32AG, 32CC
<i>Carex panicea</i>		42.0	16BA, 17BA, 17BC, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC
<i>Andromeda polifolia</i>	Dg	42.0	
<i>Agrostis canina</i>		42.0	18, 18AA, 32AG
Dominant species (7)			
<i>Sphagnum palustre</i> agg.	Dg, C	8.0	32CD, 40AB
<i>Sphagnum recurvum</i> agg.		6.0	16, 16BA, 18, 18AA, 32, 32BE, 32CD, 40, 40AB, 49, 49AB
<i>Sphagnum capillifolium</i> agg.	C	6.0	32CD, 40, 40AA, 40AB, 45, 45AB, 47AA, 49, 49AB
<i>Rhynchospora alba</i>	Dg, C	6.0	
<i>Carex limosa</i>		6.0	32BE
<i>Sphagnum cuspidatum</i>	Dg	3.0	32BE
<i>Carex rostrata</i>		3.0	18, 18AA, 22EA, 32BE, 32CA

Alliance 32BE *Sphagnion cuspidati*

Peat moss-sedge vegetation of hollows in oligotrophic raised bogs

No. of relevés: 46

Diagnostic species (3)			
<i>Warnstorfia fluitans</i>	C, Dm	62.4	
<i>Carex limosa</i>	C, Dm	43.8	
<i>Sphagnum cuspidatum</i>	Dm	40.9	32BB
Constant species (3)			
<i>Warnstorfia fluitans</i>	Dg, Dm	70.0	
<i>Carex rostrata</i>	Dm	54.0	16BA, 17BF, 18, 18AA, 32, 32CB
<i>Carex limosa</i>	Dg, Dm	52.0	
Dominant species (5)			
<i>Warnstorfia fluitans</i>	Dg, C	17.0	
<i>Sphagnum cuspidatum</i>	Dg	15.0	32BB
<i>Carex limosa</i>	Dg, C	15.0	32BB
<i>Carex rostrata</i>	C	13.0	18, 18AA, 22EA, 32BB, 32CA
<i>Sphagnum recurvum</i> agg.		9.0	16, 16BA, 18, 18AA, 32, 32BB, 32CD, 40, 40AB, 49, 49AB

Alliance 32CA *Caricion fuscae*

Mesotrophic mires on shallow peaty soils

No. of relevés: 491

Diagnostic species (2)			
<i>Carex nigra</i>	C, Dm	28.2	16BA, 18, 32, 32CD
<i>Carex echinata</i>	C	24.8	18, 32
Constant species (15)			
<i>Carex nigra</i>	Dg, Dm	90.0	16BA, 18, 18AA, 32, 32AB, 32AG, 32CB, 32CC, 32CD, 40, 40AB, 49
<i>Carex panicea</i>	Dm	71.0	16BA, 17BA, 17BC, 19BB, 32, 32AB, 32AG, 32BB, 32CB, 32CC
<i>Potentilla erecta</i>		68.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Ranunculus acris</i>		60.0	17, 17AA, 17AB, 17BA, 17BB, 17BC, 17BD, 17BE, 17EA, 17EC, 32, 32AB, 47AC
<i>Eriophorum angustifolium</i>		53.0	16BA, 32, 32AG, 32BB, 32CB, 32CC, 32CD

<i>Myosotis scorpioides</i> agg.		52.0	01, 17BA, 17BF, 17CD, 19BC, 20EA, 31, 31AA, 31AB, 32
<i>Carex echinata</i>	Dg	52.0	18, 18AA, 32, 32AG, 32CC, 32CD
<i>Caltha palustris</i>		52.0	01, 01BA, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CC
<i>Carex flava</i> agg.		49.0	16BA, 19BB, 32, 32AB, 32CC
<i>Equisetum palustre</i>		47.0	17BA, 19BB, 32, 32AB, 32AG, 32CB, 32CC
<i>Galium palustre</i> agg.		45.0	01, 01BA, 17BE, 17BF, 22, 22EA, 31, 31AC, 32, 32CB
<i>Lychnis flos-cuculi</i>		43.0	17, 17BA, 17BB, 17BD, 17BE
<i>Filipendula ulmaria</i>		43.0	01, 17BA, 17BF, 31AA, 32, 32AB, 32AG
<i>Galium uliginosum</i>		41.0	32, 32CC
<i>Anthoxanthum odoratum</i> agg.		41.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 47, 47AA, 47AB, 47AC, 48AC, 50, 50AB
Dominant species (2)			
<i>Carex nigra</i>	Dg, C	12.0	32, 32CC
<i>Carex rostrata</i>		5.0	18, 18AA, 22EA, 32BB, 32BE

Alliance 32CB *Caricion lasiocarpae***Neutral or moderately acid mesotrophic or eutrophic fens**

No. of relevés: 175

Diagnostic species (9)

<i>Carex lasiocarpa</i>	Dm	39.9	
<i>Menyanthes trifoliata</i>	C, Dm	38.3	16, 16BB
<i>Carex diandra</i>	Dm	38.1	
<i>Calliargon giganteum</i>	Dm	35.8	
<i>Hematocaulis vernicosus</i>		28.5	
<i>Pedicularis palustris</i>		26.5	32
<i>Drepanocladus revolvens</i>	Dm	25.9	32, 32AB
<i>Carex rostrata</i>	C	25.6	17BF, 18, 32
<i>Equisetum fluviatile</i>	C	24.2	16, 16BB

Constant species (11)

<i>Menyanthes trifoliata</i>	Dg, Dm	66.0	16, 16BB
<i>Carex rostrata</i>	Dg	65.0	16BA, 17BF, 18, 18AA, 32, 32BE
<i>Carex panicea</i>		59.0	16BA, 17BA, 17BC, 19BB, 32, 32AB, 32AG, 32BB, 32CA, 32CC
<i>Eriophorum angustifolium</i>		58.0	16BA, 32, 32AG, 32BB, 32CA, 32CC, 32CD
<i>Equisetum palustre</i>		57.0	17BA, 19BB, 32, 32AB, 32AG, 32CA, 32CC
<i>Equisetum fluviatile</i>	Dg	53.0	16, 16BA, 16BB
<i>Bryum pseudotriquetrum</i>		51.0	16BA, 19, 19AC, 19AE, 19BB, 32, 32AB, 32AG
<i>Carex nigra</i>		49.0	16BA, 18, 18AA, 32, 32AB, 32AG, 32CA, 32CC, 32CD, 40, 40AB, 49
<i>Potentilla erecta</i>		42.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Galium palustre</i> agg.		42.0	01, 01BA, 17BE, 17BF, 22, 22EA, 31, 31AC, 32, 32CA

<i>Campylium stellatum</i> agg.		42.0	16BA, 32, 32AB
Dominant species (7)			
<i>Carex diandra</i>	Dg	11.0	
<i>Drepanocladus revolvens</i>	Dg	6.0	32, 32AB
<i>Menyanthes trifoliata</i>	Dg, C	5.0	
<i>Calliergon giganteum</i>	Dg	4.0	
<i>Sphagnum teres</i>		3.0	
<i>Drepanocladus cossonii</i>		3.0	32AB
<i>Carex lasiocarpa</i>	Dg	3.0	

Alliance 32CC *Drepanocladion exannulati***Subalpine mires on nutrient-poor and acid habitats**

No. of relevés: 157

Diagnostic species (7)

<i>Sphagnum warnstorffii</i>	C, Dm	50.0	18
<i>Tomenthypnum nitens</i>	C	33.3	32
<i>Paludella squarrosa</i>		30.6	
<i>Carex dioica</i>		30.3	32
<i>Aulacomnium palustre</i> agg.	C	29.5	32, 32AG, 32BB, 40
<i>Warnstorffia exannulata</i>	Dm	29.4	19AC
<i>Eriophorum angustifolium</i>	C	25.8	16BA, 32, 32AG, 32CD

Constant species (15)

<i>Carex nigra</i>	Dm	73.0	16BA, 18, 18AA, 32, 32AB, 32AG, 32CA, 32CB, 32CD, 40, 40AB, 49
<i>Eriophorum angustifolium</i>	Dg	68.0	16BA, 32, 32AG, 32BB, 32CA, 32CB, 32CD
<i>Carex panicea</i>		57.0	16BA, 17BA, 17BC, 19BB, 32, 32AB, 32AG, 32BB, 32CA, 32CB
<i>Potentilla erecta</i>		56.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CD, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Aulacomnium palustre</i> agg.	Dg	54.0	32AG, 32BB
<i>Sphagnum warnstorffii</i>	Dg, Dm	48.0	
<i>Equisetum palustre</i>		48.0	17BA, 19BB, 32, 32AB, 32AG, 32CA, 32CB
<i>Galium uliginosum</i>		46.0	32, 32CA
<i>Briza media</i>		45.0	10BA, 10BB, 17, 17AA, 17AB, 17BC, 17EA, 32, 32AB, 32AG, 48AC
<i>Eriophorum latifolium</i>		44.0	16BA, 19BB, 32, 32AB
<i>Tomenthypnum nitens</i>	Dg	43.0	
<i>Crepis paludosa</i>		43.0	17BF, 19AE, 32, 32AG
<i>Caltha palustris</i>		43.0	01, 01BA, 16BA, 17BA, 18, 19, 19AA, 19AC, 19BB, 19BC, 22, 22EA, 32, 32AB, 32CA
<i>Carex flava</i> agg.		41.0	16BA, 19BB, 32, 32AB, 32CA
<i>Carex echinata</i>		41.0	18, 18AA, 32, 32AG, 32CA, 32CD

Dominant species (5)

<i>Warnstorffia exannulata</i>	Dg	19.0	
<i>Sphagnum warnstorffii</i>	Dg, C	10.0	32AG
<i>Carex nigra</i>	C	4.0	32, 32CA
<i>Calliergon sarmentosum</i>		4.0	
<i>Juncus filiformis</i>		3.0	

Alliance 32CD *Sphagno recurvi-Caricion canescentis***Oligotrophic transitional mires**

No. of relevés: 171

Diagnostic species (5)

<i>Sphagnum recurvum</i> agg.	C, Dm	42.1	18, 49, 49AB
<i>Viola palustris</i>	C	27.6	18
<i>Carex nigra</i>	C	26.0	16BA, 18, 32, 32CA
<i>Polytrichum commune</i>	C	25.3	18, 18AA, 40, 40AB
<i>Eriophorum angustifolium</i>	C	24.3	16BA, 32, 32AG, 32CC

Constant species (8)

<i>Sphagnum recurvum</i> agg.	Dg, Dm	84.0	18, 49, 49AB
<i>Carex nigra</i>	Dg	83.0	16BA, 18, 18AA, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 40, 40AB, 49
<i>Potentilla erecta</i>		69.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Eriophorum angustifolium</i>	Dg	64.0	16BA, 32, 32AG, 32BB, 32CA, 32CB, 32CC
<i>Polytrichum commune</i>	Dg	53.0	18, 18AA, 40, 40AB, 49
<i>Vaccinium oxycoccos</i>		47.0	16BA, 18, 18AA, 32BB, 40, 40AB, 49, 49AB
<i>Viola palustris</i>	Dg	46.0	18
<i>Carex echinata</i>		46.0	18, 18AA, 32, 32AG, 32CA, 32CC

Dominant species (3)

<i>Sphagnum recurvum</i> agg.	Dg, C	54.0	16, 16BA, 18, 18AA, 32, 32BB, 32BE, 40, 40AB, 49, 49AB
<i>Sphagnum capillifolium</i> agg.		4.0	32BB, 40, 40AA, 40AB, 45, 45AB, 47AA, 49, 49AB
<i>Sphagnum palustre</i> agg.		3.0	32BB, 40AB

Class 33 *Stellarietea mediae***Annual synanthropic vegetation on cultivated soils and disturbed places**

No. of relevés: 2577

Diagnostic species (14)

<i>Chenopodium album</i> agg.	C	40.2	33BB, 33BC
<i>Veronica persica</i>		33.3	33AB, 33BB
<i>Raphanus raphanistrum</i>		33.3	33AB, 33BA
<i>Tripleurospermum inodorum</i>	C	31.9	04
<i>Capsella bursa-pastoris</i>	C	30.4	23
<i>Cyanus segetum</i>		28.0	33AA, 33AB
<i>Convolvulus arvensis</i>	C	27.6	02, 33AB
<i>Sinapis arvensis</i>		26.6	33AA
<i>Consolida regalis</i>		26.2	33AA, 33AB
<i>Amaranthus hybridus</i> agg.		26.0	33BC
<i>Sonchus arvensis</i>		25.9	33AB
<i>Stellaria media</i> agg.	C	25.8	29, 29AB, 33BA
<i>Euphorbia helioscopia</i>		24.7	
<i>Setaria pumila</i>		24.7	33AB, 33BB, 33BC, 33EA

Constant species (10)

<i>Chenopodium album</i> agg.	Dg	49.0	33AA, 33AB, 33BA, 33BB, 33BC, 33DB, 33DC, 33EA
<i>Tripleurospermum inodorum</i>	Dg	45.0	02, 02AB, 04, 04AB, 12, 12AA, 33AB, 33BA, 33BB, 33BC, 33DA, 33DB

<i>Capsella bursa-pastoris</i>	Dg	39.0	17EC, 23, 23AA, 33AC, 33BA, 33BB, 33BC, 33DA
<i>Convolvulus arvensis</i>	Dg	37.0	02, 02BA, 33AA, 33AB, 33BA, 33BB, 33BC, 33EA
<i>Stellaria media</i> agg.	Dg	34.0	17EC, 29, 29AA, 29AB, 33AA, 33AC, 33BA, 43AD
<i>Polygonum aviculare</i> agg.		32.0	23, 23AA, 33AA, 33AB, 33BA, 33DC
<i>Elytrigia repens</i>		32.0	02, 02AB, 02BA, 29, 33AB, 33BA, 33BB, 43, 43AA, 43AC, 43BA
<i>Cirsium arvense</i>		32.0	07, 07AA, 33AA, 33AB, 33AC, 33BA, 33BB, 33BC
<i>Fallopia convolvulus</i>		29.0	33AA, 33AB, 33BA
<i>Taraxacum</i> sect. <i>Ruderalia</i>		26.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33DA, 43AC
Dominant species (3)			
<i>Hordeum murinum</i>		4.0	33DA
<i>Cynodon dactylon</i>		3.0	09, 09AA, 33EC
<i>Atriplex sagittata</i>		3.0	33DB

Alliance 33AA *Caucalidion lappulae*

Annual basiphilous thermophilous weed vegetation of cereal fields

No. of relevés: 230

Diagnostic species (11)

<i>Cota austriaca</i>		36.6	
<i>Consolida regalis</i>	C	33.2	33, 33AB
<i>Cyanus segetum</i>	C	33.2	33, 33AB
<i>Vicia hirsuta</i>	C	31.0	33AB, 33BA
<i>Lathyrus tuberosus</i>		28.9	
<i>Avena fatua</i>		28.2	33AB
<i>Viola arvensis</i>	C	26.4	33AB, 33BA, 50
<i>Sinapis arvensis</i>		25.3	33
<i>Papaver rhoeas</i>		25.2	
<i>Adonis aestivalis</i>		25.1	
<i>Silene noctiflora</i>		25.0	

Constant species (10)

<i>Fallopia convolvulus</i>		72.0	33, 33AB, 33BA
<i>Viola arvensis</i>	Dg	64.0	33AB, 33BA, 50, 50AB
<i>Convolvulus arvensis</i>		59.0	02, 02BA, 33, 33AB, 33BA, 33BB, 33BC, 33EA
<i>Cirsium arvense</i>		56.0	07, 07AA, 33, 33AB, 33AC, 33BA, 33BB, 33BC
<i>Chenopodium album</i> agg.		52.0	33, 33AB, 33BA, 33BB, 33BC, 33DB, 33DC, 33EA
<i>Vicia hirsuta</i>	Dg	50.0	33AB
<i>Polygonum aviculare</i> agg.		47.0	23, 23AA, 33, 33AB, 33BA, 33DC
<i>Cyanus segetum</i>	Dg	46.0	33AB
<i>Stellaria media</i> agg.		45.0	17EC, 29, 29AA, 29AB, 33, 33AC, 33BA, 43AD
<i>Consolida regalis</i>	Dg	45.0	33AB

Dominant species (0)

Alliance 33AB *Sherardion arvensis***Weed vegetation of cereal field in uplands and submontane regions**

No. of relevés: 34

Diagnostic species (33)

<i>Misopates orontium</i>	C	83.4	
<i>Kickxia elatine</i>	C	82.4	
<i>Euphorbia exigua</i>	C	71.1	
<i>Sherardia arvensis</i>	C	62.5	
<i>Aethusa cynapium</i>	C	52.7	
<i>Anagallis arvensis</i>	C	51.6	33BB
<i>Anthemis arvensis</i>	C	50.3	
<i>Cyanus segetum</i>	C	47.4	33, 33AA
<i>Valerianella dentata</i>		47.2	
<i>Scleranthus annuus</i> agg.	C	47.0	
<i>Myosotis arvensis</i>	C	44.0	33BA
<i>Sonchus arvensis</i>	C	43.8	33
<i>Raphanus raphanistrum</i>	C	38.1	33, 33BA
<i>Atriplex patula</i>	C	37.2	
<i>Setaria pumila</i>	C	37.0	33, 33BB, 33BC, 33EA
<i>Veronica persica</i>	C	36.8	33, 33BB
<i>Trifolium campestre</i>	C	35.1	
<i>Galium spurium</i>		35.0	
<i>Sonchus asper</i>		34.2	
<i>Avena fatua</i>		33.0	33AA
<i>Galeopsis ladanum</i>	C	30.9	37BB, 50
<i>Viola arvensis</i>	C	30.6	33AA, 33BA, 50
<i>Consolida regalis</i>	C	30.4	33, 33AA
<i>Geranium dissectum</i>		30.1	
<i>Polygonum aviculare</i> agg.	C	29.6	23, 23AA
<i>Vicia angustifolia</i>		28.9	25
<i>Vicia hirsuta</i>	C	27.5	33AA, 33BA
<i>Convolvulus arvensis</i>	C	27.3	02, 33
<i>Gypsophila muralis</i>	C	26.8	11CA
<i>Valerianella rimosa</i>		26.4	
<i>Fallopia convolvulus</i>	C	25.7	
<i>Oxalis fontana</i>		24.1	33BB
<i>Lepidium campestre</i>		24.0	

Constant species (34)

<i>Polygonum aviculare</i> agg.	Dg	91.0	23, 23AA, 33, 33AA, 33BA, 33DC
<i>Anagallis arvensis</i>	Dg	91.0	33BB
<i>Scleranthus annuus</i> agg.	Dg	88.0	33BB
<i>Convolvulus arvensis</i>	Dg	85.0	02, 02BA, 33, 33AA, 33BA, 33BB, 33BC, 33EA
<i>Misopates orontium</i>	Dg	79.0	
<i>Anthemis arvensis</i>	Dg	79.0	
<i>Kickxia elatine</i>	Dg	76.0	
<i>Fallopia convolvulus</i>	Dg	76.0	33, 33AA, 33BA
<i>Cirsium arvense</i>		76.0	07, 07AA, 33, 33AA, 33AC, 33BA, 33BB, 33BC
<i>Viola arvensis</i>	Dg	74.0	33AA, 33BA, 50, 50AB
<i>Sonchus arvensis</i>	Dg	74.0	
<i>Myosotis arvensis</i>	Dg	74.0	33BA
<i>Setaria pumila</i>	Dg	68.0	33BB, 33BC, 33EA
<i>Raphanus raphanistrum</i>	Dg	65.0	33BA
<i>Cyanus segetum</i>	Dg	65.0	33AA

<i>Tripleurospermum inodorum</i>		62.0	02, 02AB, 04, 04AB, 12, 12AA, 33, 33BA, 33BB, 33BC, 33DA, 33DB
<i>Euphorbia exigua</i>	Dg	62.0	
<i>Sherardia arvensis</i>	Dg	62.0	
<i>Chenopodium album</i> agg.		62.0	33, 33AA, 33BA, 33BB, 33BC, 33DB, 33DC, 33EA
<i>Elytrigia repens</i>		62.0	02, 02AB, 02BA, 29, 33, 33BA, 33BB, 43, 43AA, 43AC, 43BA
<i>Daucus carota</i>		59.0	02, 02AB
<i>Veronica persica</i>	Dg	56.0	33BB
<i>Trifolium campestre</i>	Dg	56.0	
<i>Plantago major</i>		56.0	04, 17CA, 17DA, 17EC, 23, 23AA, 23AB, 33BB
<i>Atriplex patula</i>	Dg	56.0	
<i>Trifolium arvense</i>		50.0	09, 10AB
<i>Galeopsis ladanum</i>	Dg	50.0	37BB, 50
<i>Aethusa cynapium</i>	Dg	50.0	
<i>Achillea millefolium</i> agg.		47.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Vicia hirsuta</i>	Dg	44.0	33AA
<i>Rumex acetosella</i>		44.0	03CB, 09, 10CA, 14, 34AA, 36DA, 48, 48AA, 50, 50AB
<i>Ranunculus repens</i>		41.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 43, 43AC, 43AD, 43AE
<i>Gypsophila muralis</i>	Dg	41.0	11CA
<i>Consolida regalis</i>	Dg	41.0	33AA
Dominant species (0)			

Alliance 33AC Veronico-Euphorbion

Calciphilous weed vegetation

No. of relevés: 396

Diagnostic species (5)

<i>Veronica triphyllos</i>		57.5	
<i>Gagea pratensis</i>		37.8	
<i>Veronica hederifolia</i> agg.	C	36.2	29, 29AB
<i>Holosteum umbellatum</i>		32.3	
<i>Lamium amplexicaule</i>		32.2	33BB

Constant species (4)

<i>Stellaria media</i> agg.	Dm	71.0	17EC, 29, 29AA, 29AB, 33, 33AA, 33BA, 43AD
<i>Veronica hederifolia</i> agg.	Dg	57.0	29, 29AB
<i>Capsella bursa-pastoris</i>		53.0	17EC, 23, 23AA, 33, 33BA, 33BB, 33BC, 33DA
<i>Cirsium arvense</i>		45.0	07, 07AA, 33, 33AA, 33AB, 33BA, 33BB, 33BC

Dominant species (2)

<i>Stellaria media</i> agg.	C	5.0	17EC, 29, 29AB, 33BA
<i>Elytrigia repens</i>		3.0	02BA

Alliance 33BA *Scleranthion annui*

Arable weed communities of neutral to acid loamy to sandy-loamy soils

No. of relevés: 268

Diagnostic species (8)

<i>Spergula arvensis</i>		40.2	
<i>Raphanus raphanistrum</i>	C	33.7	33, 33AB
<i>Myosotis arvensis</i>	C	31.7	33AB
<i>Veronica agrestis</i>		29.2	
<i>Galeopsis tetrahit</i>	C	27.9	
<i>Vicia hirsuta</i>		25.0	33AA, 33AB
<i>Viola arvensis</i>	C	24.6	33AA, 33AB, 50
<i>Stellaria media</i> agg.	C, Dm	24.1	29, 29AB, 33

Constant species (14)

<i>Stellaria media</i> agg.	Dg, Dm	71.0	17EC, 29, 29AA, 29AB, 33, 33AA, 33AC, 43AD
<i>Tripleurospermum inodorum</i>	Dm	62.0	02, 02AB, 04, 04AB, 12, 12AA, 33, 33AB, 33BB, 33BC, 33DA, 33DB
<i>Viola arvensis</i>	Dg	60.0	33AA, 33AB, 50, 50AB
<i>Fallopia convolvulus</i>		60.0	33, 33AA, 33AB
<i>Raphanus raphanistrum</i>	Dg	57.0	33AB
<i>Myosotis arvensis</i>	Dg	53.0	33AB
<i>Galeopsis tetrahit</i>	Dg	52.0	
<i>Galium aparine</i>		50.0	27AC, 28, 28BB, 29, 29AA, 29AB, 31, 31AB, 43, 43AA, 43BA
<i>Elytrigia repens</i>		50.0	02, 02AB, 02BA, 29, 33, 33AB, 33BB, 43, 43AA, 43AC, 43BA
<i>Capsella bursa-pastoris</i>		50.0	17EC, 23, 23AA, 33, 33AC, 33BB, 33BC, 33DA
<i>Cirsium arvense</i>		49.0	07, 07AA, 33, 33AA, 33AB, 33AC, 33BB, 33BC
<i>Convolvulus arvensis</i>		47.0	02, 02BA, 33, 33AA, 33AB, 33BB, 33BC, 33EA
<i>Chenopodium album</i> agg.		46.0	33, 33AA, 33AB, 33BB, 33BC, 33DB, 33DC, 33EA
<i>Polygonum aviculare</i> agg.		41.0	23, 23AA, 33, 33AA, 33AB, 33DC

Dominant species (2)

<i>Tripleurospermum inodorum</i>	C	4.0	33BB
<i>Stellaria media</i> agg.	Dg, C	4.0	17EC, 29, 29AB, 33AC

Alliance 33BB *Spergulo-Oxalidion*

Acidophilous vegetation of root-crop weed on moist loamy soils

No. of relevés: 77

Diagnostic species (9)

<i>Chenopodium polyspermum</i>	C	58.2	
<i>Oxalis fontana</i>	C	43.2	33AB
<i>Euphorbia peplus</i>		40.7	
<i>Echinochloa crus-galli</i>	C, Dm	35.5	04, 04AB, 12, 33BC
<i>Veronica persica</i>	C	28.9	33, 33AB
<i>Chenopodium album</i> agg.	C	28.2	33, 33BC
<i>Lamium amplexicaule</i>		25.1	33AC
<i>Setaria pumila</i>	C	24.5	33, 33AB, 33BC, 33EA
<i>Anagallis arvensis</i>	C	24.5	33AB

Constant species (15)

<i>Chenopodium album</i> agg.	Dg	90.0	33, 33AA, 33AB, 33BA, 33BC, 33DB, 33DC, 33EA
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<i>Chenopodium polyspermum</i>	Dg	84.0	
<i>Echinochloa crus-galli</i>	Dg, Dm	77.0	04, 04AB, 12, 33BC
<i>Tripleurospermum inodorum</i>	Dm	70.0	02, 02AB, 04, 04AB, 12, 12AA, 33, 33AB, 33BA, 33BC, 33DA, 33DB
<i>Oxalis fontana</i>	Dg	62.0	
<i>Capsella bursa-pastoris</i>		60.0	17EC, 23, 23AA, 33, 33AC, 33BA, 33BC, 33DA
<i>Cirsium arvense</i>		56.0	07, 07AA, 33, 33AA, 33AB, 33AC, 33BA, 33BC
<i>Persicaria lapathifolia</i>		49.0	04, 04AA, 04AB, 12, 12AD
<i>Convolvulus arvensis</i>		47.0	02, 02BA, 33, 33AA, 33AB, 33BA, 33BC, 33EA
<i>Setaria pumila</i>	Dg	45.0	33AB, 33BC, 33EA
<i>Plantago major</i>		45.0	04, 17CA, 17DA, 17EC, 23, 23AA, 23AB, 33AB
<i>Veronica persica</i>	Dg	44.0	33AB
<i>Anagallis arvensis</i>	Dg	44.0	33AB
<i>Elytrigia repens</i>		43.0	02, 02AB, 02BA, 29, 33, 33AB, 33BA, 43, 43AA, 43AC, 43BA
<i>Scleranthus annuus</i> agg.		42.0	33AB
Dominant species (3)			
<i>Tripleurospermum inodorum</i>	C	6.0	33BA
<i>Echinochloa crus-galli</i>	Dg, C	4.0	04, 04AB, 33BC
<i>Setaria viridis</i>		3.0	

Alliance 33BC Panico-Setarion

Vegetation of root-crop weeds and summer cereals on sandy soils

No. of relevés: 274

Diagnostic species (5)

<i>Echinochloa crus-galli</i>	C, Dm	33.8	04, 04AB, 12, 33BB
<i>Galinsoga parviflora</i>	C, Dm	32.6	
<i>Amaranthus hybridus</i> agg.	C	29.2	33
<i>Setaria pumila</i>	C	27.9	33, 33AB, 33BB, 33EA
<i>Chenopodium album</i> agg.	C, Dm	26.7	33, 33BB

Constant species (9)

<i>Chenopodium album</i> agg.	Dg, Dm	85.0	33, 33AA, 33AB, 33BA, 33BB, 33DB, 33DC, 33EA
<i>Echinochloa crus-galli</i>	Dg, Dm	73.0	04, 04AB, 12, 33BB
<i>Amaranthus hybridus</i> agg.	Dg	55.0	
<i>Galinsoga parviflora</i>	Dg, Dm	53.0	
<i>Setaria pumila</i>	Dg	51.0	33AB, 33BB, 33EA
<i>Tripleurospermum inodorum</i>		49.0	02, 02AB, 04, 04AB, 12, 12AA, 33, 33AB, 33BA, 33BB, 33DA, 33DB
<i>Convolvulus arvensis</i>		44.0	02, 02BA, 33, 33AA, 33AB, 33BA, 33BB, 33EA
<i>Cirsium arvense</i>		44.0	07, 07AA, 33, 33AA, 33AB, 33AC, 33BA, 33BB
<i>Capsella bursa-pastoris</i>		44.0	17EC, 23, 23AA, 33, 33AC, 33BA, 33BB, 33DA

Dominant species (3)

<i>Galinsoga parviflora</i>	Dg, C	12.0	
<i>Echinochloa crus-galli</i>	Dg, C	11.0	04, 04AB, 33BB
<i>Chenopodium album</i> agg.	Dg, C	5.0	33DB

Alliance 33DA *Sisymbrium officinalis***Ruderal communities of tall annuals on dried sandy and loamy skeletal soils**

No. of relevés: 456

Diagnostic species (3)

<i>Hordeum murinum</i>	C, Dm	48.5	
<i>Lactuca serriola</i>	C, Dm	25.7	02
<i>Descurainia sophia</i>	Dm	25.1	

Constant species (7)

<i>Capsella bursa-pastoris</i>		60.0	17EC, 23, 23AA, 33, 33AC, 33BA, 33BB, 33BC
<i>Artemisia vulgaris</i>		56.0	02, 02AA, 02AB, 02AD, 02BA, 33DB, 43, 43AA, 43BA
<i>Tripleurospermum inodorum</i>		55.0	02, 02AB, 04, 04AB, 12, 12AA, 33, 33AB, 33BA, 33BB, 33BC, 33DB
<i>Hordeum murinum</i>	Dg, Dm	55.0	
<i>Lactuca serriola</i>	Dg, Dm	54.0	33DB
<i>Taraxacum</i> sect. <i>Ruderalia</i>		46.0	02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 43AC
<i>Bromus sterilis</i>	Dm	43.0	29, 29AB

Dominant species (8)

<i>Hordeum murinum</i>	Dg, C	25.0	33
<i>Descurainia sophia</i>	Dg	12.0	
<i>Bromus tectorum</i>		9.0	02AC, 14, 14BA, 29AA
<i>Lactuca serriola</i>	Dg, C	5.0	
<i>Cardaria draba</i>		5.0	02, 02BA
<i>Bromus sterilis</i>	C	5.0	29, 29AB
<i>Sisymbrium loeselii</i>		4.0	
<i>Atriplex tatarica</i>		3.0	33DB

Alliance 33DB *Atriplicion nitentis***Annual ruderal communities of tall fast growing herbs**

No. of relevés: 296

Diagnostic species (4)

<i>Iva xanthiifolia</i>	Dm	47.4	
<i>Atriplex sagittata</i>	C, Dm	43.0	
<i>Atriplex tatarica</i>	C, Dm	34.2	
<i>Chenopodium ficifolium</i>		29.8	04, 04AB

Constant species (6)

<i>Chenopodium album</i> agg.	Dm	61.0	33, 33AA, 33AB, 33BA, 33BB, 33BC, 33DC, 33EA
<i>Tripleurospermum inodorum</i>		60.0	02, 02AB, 04, 04AB, 12, 12AA, 33, 33AB, 33BA, 33BB, 33BC, 33DA
<i>Artemisia vulgaris</i>		53.0	02, 02AA, 02AB, 02AD, 02BA, 33DA, 43, 43AA, 43BA
<i>Atriplex tatarica</i>	Dg, Dm	50.0	
<i>Lactuca serriola</i>		48.0	33DA
<i>Atriplex sagittata</i>	Dg, Dm	46.0	

Dominant species (6)

<i>Atriplex sagittata</i>	Dg, C	26.0	33
<i>Iva xanthiifolia</i>	Dg	21.0	
<i>Chenopodium album</i> agg.	C	11.0	33BC
<i>Atriplex tatarica</i>	Dg, C	11.0	33DA
<i>Bassia scoparia</i>		3.0	
<i>Artemisia annua</i>		3.0	

Alliance 33DC *Malvion neglectae***Annual nitrophilous ruderal vegetation of low prostrate herbs**

No. of relevés: 213

Diagnostic species (6)

<i>Malva neglecta</i>	C, Dm	56.2
<i>Urtica urens</i>	C, Dm	44.5
<i>Anthemis cotula</i>	Dm	35.6
<i>Chenopodium murale</i>		35.4
<i>Malva pusilla</i>	Dm	32.7
<i>Verbena officinalis</i>		25.5

Constant species (4)

<i>Malva neglecta</i>	Dg, Dm	70.0	
<i>Polygonum aviculare</i> agg.		59.0	23, 23AA, 33, 33AA, 33AB, 33BA
<i>Urtica urens</i>	Dg, Dm	44.0	
<i>Chenopodium album</i> agg.		41.0	33, 33AA, 33AB, 33BA, 33BB, 33BC, 33DB, 33EA

Dominant species (4)

<i>Malva neglecta</i>	Dg, C	28.0
<i>Malva pusilla</i>	Dg	8.0
<i>Anthemis cotula</i>	Dg	8.0
<i>Urtica urens</i>	Dg, C	5.0

Alliance 33EA *Eragrostion***Thermophilous annual weed vegetation on dried sandy soils**

No. of relevés: 110

Diagnostic species (8)

<i>Digitaria sanguinalis</i>	C, Dm	45.7	
<i>Eragrostis minor</i>		39.2	
<i>Portulaca oleracea</i>		35.9	
<i>Filago minima</i>			28.0
<i>Eragrostis cilianensis</i>		26.9	
<i>Tribulus terrestris</i>		26.5	
<i>Setaria pumila</i>	C	25.6	33, 33AB, 33BB, 33BC
<i>Hibiscus trionum</i>		25.4	

Constant species (5)

<i>Digitaria sanguinalis</i>	Dg, Dm	60.0	
<i>Conyza canadensis</i>		55.0	09, 09AA, 14, 33EB, 33EC
<i>Chenopodium album</i> agg.		51.0	33, 33AA, 33AB, 33BA, 33BB, 33BC, 33DB, 33DC
<i>Setaria pumila</i>	Dg	47.0	33AB, 33BB, 33BC
<i>Convolvulus arvensis</i>		41.0	02, 02BA, 33, 33AA, 33AB, 33BA, 33BB, 33BC

Dominant species (4)

<i>Anthemis ruthenica</i>		15.0
<i>Digitaria sanguinalis</i>	Dg, C	12.0
<i>Trifolium arvense</i>		4.0
<i>Panicum miliaceum</i>		4.0

Alliance 33EB *Salsolion ruthenicae***Thermophilous ruderal communities of annuals on disturbed sandy to gravely dried soils**

No. of relevés: 73

Diagnostic species (7)

<i>Panicum capillare</i>	Dm	46.4	
<i>Plantago arenaria</i>	C, Dm	41.9	09, 14
<i>Chenopodium botrys</i>		36.7	

<i>Salsola kali</i>	Dm	33.5	
<i>Tragus racemosus</i>		26.1	
<i>Conyza canadensis</i>	C	26.0	09, 14
<i>Senecio viscosus</i>		25.1	
Constant species (2)			
<i>Conyza canadensis</i>	Dg	75.0	09, 09AA, 14, 33EA, 33EC
<i>Plantago arenaria</i>	Dg, Dm	47.0	
Dominant species (4)			
<i>Plantago arenaria</i>	Dg, C	16.0	
<i>Panicum capillare</i>	Dg	11.0	
<i>Salsola kali</i>	Dg	3.0	
<i>Amaranthus hybridus</i> agg.		3.0	

Alliance 33EC *Eragrostio-Polygonion arenastri***Trampled communities on summer-dry sandy soils**

No. of relevés: 150

Diagnostic species (2)			
<i>Amaranthus crispus</i>	Dm	33.1	
<i>Cynodon dactylon</i>	C, Dm	32.3	09, 09AA, 14
Constant species (2)			
<i>Conyza canadensis</i>	Dm	61.0	09, 09AA, 14, 33EA, 33EB
<i>Cynodon dactylon</i>	Dg, Dm	58.0	09, 09AA, 14
Dominant species (4)			
<i>Cynodon dactylon</i>	Dg, C	45.0	09, 09AA, 33
<i>Portulaca oleracea</i>		7.0	
<i>Conyza canadensis</i>	C	7.0	
<i>Amaranthus crispus</i>	Dg	4.0	

Class 34 *Sedo-Scleranthetea***Open herbaceous vegetation on shallow skeleton-rich soils**

No. of relevés: 128

Diagnostic species (7)			
<i>Sedum album</i>	C, Dm	46.3	34CA
<i>Sedum acre</i>		36.2	10AB, 34CA
<i>Acinos arvensis</i>	C	35.2	10AB, 34BA
<i>Allium senescens</i> *montanum	C, Dm	29.4	
<i>Arenaria serpyllifolia</i> agg.	C	29.0	10AB
<i>Sedum sexangulare</i>	C, Dm	25.7	09
<i>Asplenium septentrionale</i>		25.5	03CB, 34BA
Constant species (8)			
<i>Sedum album</i>	Dg, Dm	47.0	34CA
<i>Jovibarba globifera</i>		33.0	06, 06AB, 08, 08AA, 10AC, 34CA
<i>Acinos arvensis</i>	Dg	32.0	10AB, 34BA
<i>Seseli osseum</i>		31.0	08, 08AA, 10, 10AB, 10AC, 10AF, 34BA
<i>Allium senescens</i> *montanum	Dg, Dm	31.0	34BA
<i>Sedum sexangulare</i>	Dg, Dm	30.0	09
<i>Arenaria serpyllifolia</i> agg.	Dg	28.0	10AB
<i>Euphorbia cyparissias</i>		27.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 37, 37AA, 50, 50AB
Dominant species (3)			
<i>Sedum album</i>	Dg, C	4.0	34CA
<i>Polytrichum piliferum</i>		4.0	03CB, 34AA, 34BA
<i>Allium senescens</i> *montanum	Dg, C	4.0	34BA

Alliance 34AA *Thero-Airion***Ephemeral pioneer communities of annuals on sandy or skeleton-rich soils on acidic bedrock**

No. of relevés: 8

Diagnostic species (5)

<i>Vulpia myuros</i>	C	64.4	
<i>Ventenata dubia</i>		42.9	
<i>Dianthus armeria</i>		30.8	
<i>Veronica dillenii</i>		28.6	14, 14AA
<i>Teucrium scorodonia</i>		25.6	37BB, 50

Constant species (3)

<i>Vulpia myuros</i>	Dg	62.0	
<i>Potentilla argentea</i> agg.		50.0	02AA, 10AB, 10CA
<i>Rumex acetosella</i>		50.0	03CB, 09, 10CA, 14, 33AB, 36DA, 48, 48AA, 50, 50AB

Dominant species (2)

<i>Polytrichum piliferum</i>		12.0	03CB, 34, 34BA
<i>Poa bulbosa</i>		12.0	34BA

Alliance 34BA *Arabidopsidion thalianae***Thermophilous communities of small spring ephemerophytes and succulents on shallow**

No. of relevés: 37

Diagnostic species (5)

<i>Sempervivum carpaticum</i>	Dm	35.8	
<i>Asplenium septentrionale</i>		29.9	03CB, 34
<i>Festuca valesiaca</i> agg.	C	25.7	10, 10AB
<i>Racomitrium canescens</i>		25.5	03CB
<i>Acinos arvensis</i>	C	24.4	10AB, 34

Constant species (5)

<i>Festuca valesiaca</i> agg.	Dg	57.0	10, 10AA, 10AB
<i>Seseli osseum</i>		49.0	08, 08AA, 10, 10AB, 10AC, 10AF, 34
<i>Hylotelephium maximum</i>		43.0	03CB, 03CD, 28AC
<i>Allium senescens</i> *montanum	Dm	43.0	34
<i>Acinos arvensis</i>	Dg	43.0	10AB, 34

Dominant species (6)

<i>Polytrichum piliferum</i>		11.0	03CB, 34, 34AA
<i>Allium senescens</i> *montanum	C	8.0	34
<i>Sempervivum carpaticum</i>	Dg	3.0	
<i>Scleranthus annuus</i> agg.		3.0	
<i>Poa bulbosa</i>		3.0	34AA
<i>Cruciata pedemontana</i>		3.0	

Alliance 34CA *Alyso alyssoidis-Sedion albi***Basiphilous vegetation of spring therophytes and succulents on weathered calcareous rocks**

No. of relevés: 83

Diagnostic species (2)

<i>Sedum album</i>	C, Dm	41.1	34
<i>Sedum acre</i>		24.1	10AB, 34

Constant species (2)

<i>Sedum album</i>	Dg, Dm	70.0	34
<i>Jovibarba globifera</i>		45.0	06, 06AB, 08, 08AA, 10AC, 34

Dominant species (2)

<i>Sedum album</i>	Dg, C	6.0	34
<i>Sedum sexangulare</i>		4.0	

Class 35 *Thero-Salicornietea***Halophyllous nitrophillous communities of therophytes on solonetz on banks of brackish waters**

No. of relevés: 73

Diagnostic species (9)

<i>Camphorosma annua</i>	C, Dm	96.4	35AB
<i>Puccinellia distans</i> agg.	C	64.0	11, 11BA, 35AB
<i>Matricaria chamomilla</i>	C, Dm	56.5	11BA, 35AB
<i>Plantago tenuiflora</i>		40.8	11BA, 35AB
<i>Limonium gmelinii</i>		37.9	35AB
<i>Dichodon viscidum</i>	C	34.8	11BA, 12AA
<i>Artemisia santonicum</i> *patens		28.8	11, 11BA, 11CA
<i>Lepidium perfoliatum</i>		26.6	
<i>Tripolium pannonicum</i>		24.3	11, 11BA

Constant species (4)

<i>Camphorosma annua</i>	Dg, Dm	97.0	35AB
<i>Puccinellia distans</i> agg.	Dg	66.0	11, 11BA, 35AB
<i>Matricaria chamomilla</i>	Dg, Dm	55.0	11BA, 35AB
<i>Dichodon viscidum</i>	Dg	27.0	11BA

Dominant species (2)

<i>Camphorosma annua</i>	Dg, C	53.0	35AB
<i>Matricaria chamomilla</i>	Dg, C	8.0	35AB

Alliance 35AB *Thero-Camphorosmion***Halophyllous nitrophillous communities of therophytes on solonetz on banks of brackish waters**

No. of relevés: 73

Diagnostic species (5)

<i>Camphorosma annua</i>	C, Dm	90.4	35
<i>Puccinellia distans</i> agg.	C	41.9	11, 11BA, 35
<i>Matricaria chamomilla</i>	C, Dm	33.2	11BA, 35
<i>Plantago tenuiflora</i>		31.0	11BA, 35
<i>Limonium gmelinii</i>		29.4	35

Constant species (3)

<i>Camphorosma annua</i>	Dg, Dm	97.0	35
<i>Puccinellia distans</i> agg.	Dg	66.0	11, 11BA, 35
<i>Matricaria chamomilla</i>	Dg, Dm	55.0	11BA, 35

Dominant species (2)

<i>Camphorosma annua</i>	Dg, C	53.0	35
<i>Matricaria chamomilla</i>	Dg, C	8.0	35

Class 36 *Thlaspietea rotundifolii***Plant communities of screes**

No. of relevés: 571

Diagnostic species (4)

<i>Rumex scutatus</i>		31.9	36AA
<i>Oxyria digyna</i>		26.8	36BA
<i>Arabis alpina</i>		26.8	36AA, 36CC
<i>Saxifraga carpathica</i>		24.2	36BA

Constant species (3)

<i>Geranium robertianum</i>		33.0	02AC, 03, 07, 27, 27BC, 27BD, 36CB, 36CC, 43AB
<i>Galium mollugo</i> agg.		27.0	17AA, 25, 25AA, 27AA, 28, 28AA, 28AC, 31AA, 36CA, 36CB, 36CC, 37
<i>Arabidopsis arenosa</i> agg.		26.0	02AC, 03, 03AB, 03CD, 36AA, 36CC, 46

Dominant species (1)

<i>Gymnocarpium robertianum</i>		5.0	36CA
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Alliance 36AA *Papaverion tatrici***West Carpathian calcareous scree vegetation in subalpine and alpine belt**

No. of relevés: 94

Diagnostic species (10)

<i>Rumex scutatus</i>	C, Dm	47.9	36
<i>Cerastium arvense *glandulosum</i>	C, Dm	47.0	30BA
<i>Papaver tatricum</i>		37.9	
<i>Cerastium carinthiacum</i>		33.0	
<i>Arabis alpina</i>	C	29.1	36, 36CC
<i>Myosotis alpestris</i>	C	28.1	30BA, 42, 42AA
<i>Pritzelago alpina</i>		27.5	30BA
<i>Arenaria tenella</i>		27.1	06AA, 42AA
<i>Rhodiola rosea</i>	C	25.2	30BA, 42
<i>Sesleria tatrae</i>	C	24.5	06AC, 20CE, 42AA, 46

Constant species (12)

<i>Cerastium arvense *glandulosum</i>	Dg, Dm	70.0	30BA
<i>Poa alpina</i>		63.0	06AC, 17EB, 19AC, 30BA, 36BA, 42, 42AA
<i>Galium pumilum</i> agg.		62.0	03AA, 06, 06AA, 06AB, 06AC, 08, 08AA, 17EB, 20CE, 42, 42AA, 46
<i>Rhodiola rosea</i>	Dg	59.0	20CB, 30BA, 36BA, 42, 42AA, 42AB
<i>Arabis alpina</i>	Dg	54.0	30BA, 36CC
<i>Sesleria tatrae</i>	Dg	53.0	06AC, 20CE, 30BA, 42AA, 46, 46AA
<i>Festuca versicolor</i>		51.0	03AA, 06, 06AA, 06AC, 42, 42AA, 42AB
<i>Silene vulgaris</i>	Dm	50.0	36DA
<i>Myosotis alpestris</i>	Dg	50.0	30BA, 42, 42AA
<i>Ranunculus breyninus</i>		47.0	06, 06AC, 42, 42AA
<i>Arabidopsis arenosa</i> agg.		46.0	02AC, 03, 03AB, 03CD, 36, 36CC, 46
<i>Rumex scutatus</i>	Dg, Dm	43.0	

Dominant species (3)

<i>Cerastium arvense *glandulosum</i>	Dg, C	12.0	
<i>Silene vulgaris</i>	C	5.0	
<i>Rumex scutatus</i>	Dg, C	4.0	

Alliance 36BA *Androsacion alpinae***Open vegetation of mylonite screes in alpine belt**

No. of relevés: 79

Diagnostic species (32)

<i>Saxifraga carpathica</i>	C	74.4	36
<i>Oxyria digyna</i>	C	71.3	36
<i>Arabidopsis neglecta</i>	C	71.3	42
<i>Geum reptans</i>	C	60.4	
<i>Saxifraga bryoides</i>	C	56.7	42
<i>Ranunculus glacialis</i>	C	56.6	
<i>Poa laxa</i>	C	54.2	
<i>Bartramia ithyphylla</i>		49.0	
<i>Saxifraga androsacea</i>	C	48.8	30BA, 42
<i>Saxifraga moschata</i>	C	46.1	42, 42AA, 42AB
<i>Doronicum stiriacum</i>	C	43.2	42, 42AB
<i>Gentiana frigida</i>		37.4	42, 42AB
<i>Leucanthemopsis alpina</i>	C	35.3	30
<i>Polyblastia alpina</i>		35.1	
<i>Dicranoweisia crispula</i>		34.7	
<i>Saxifraga hieracifolia</i>		32.8	42, 42AA
<i>Cochlearia tatrae</i>	Dm	32.7	

<i>Solorina crocea</i>		31.6	
<i>Saxifraga oppositifolia</i>		31.4	42
<i>Pohlia cruda</i>		31.4	42
<i>Luzula alpinopilosa</i>	C	31.1	13, 30, 30AA, 30AB, 42
<i>Gagea serotina</i>	C	30.5	42, 42AA, 42AB
<i>Pogonatum urnigerum</i>		27.0	42, 42AB
<i>Ranunculus pygmaeus</i>		26.5	
<i>Cerastium uniflorum</i>		26.5	
<i>Taraxacum</i> sect. <i>Alpina</i>		26.4	
<i>Poa alpina</i>	C	25.6	17EB, 19AC, 30BA
<i>Sanionia uncinata</i>	C	25.4	42, 42AB
<i>Festuca supina</i>	C	25.1	13, 13AA, 42, 42AA, 42AB, 45, 45AA
<i>Blepharostoma trichophyllum</i>		25.1	
<i>Polytrichum alpinum</i>	C	24.9	13, 42
<i>Silene acaulis</i>	C	24.7	42, 42AA, 42AB
Constant species (24)			
<i>Oxyria digyna</i>	Dg	91.0	
<i>Arabidopsis neglecta</i>	Dg	86.0	
<i>Luzula alpinopilosa</i>	Dg	82.0	13, 13AA, 19AC, 20CB, 30, 30AA, 30AB, 42, 42AB
<i>Saxifraga moschata</i>	Dg	77.0	42, 42AA, 42AB
<i>Poa alpina</i>	Dg	77.0	06AC, 17EB, 19AC, 30BA, 36AA, 42, 42AA
<i>Doronicum stiriacum</i>	Dg	76.0	13, 30, 42, 42AB
<i>Saxifraga carpathica</i>	Dg	75.0	
<i>Saxifraga androsacea</i>	Dg	63.0	30BA
<i>Soldanella carpatica</i>		61.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 42, 42AA, 42AB, 46, 47, 47AA
<i>Poa laxa</i>	Dg	57.0	
<i>Festuca supina</i>	Dg	57.0	13, 13AA, 42, 42AA, 42AB, 45, 45AA
<i>Saxifraga bryoides</i>	Dg	53.0	
<i>Geum reptans</i>	Dg	53.0	
<i>Silene acaulis</i>	Dg	47.0	06AA, 42, 42AA, 42AB
<i>Rhodiola rosea</i>		47.0	20CB, 30BA, 36AA, 42, 42AA, 42AB
<i>Gagea serotina</i>	Dg	47.0	42, 42AA, 42AB
<i>Leucanthemopsis alpina</i>	Dg	46.0	30
<i>Sanionia uncinata</i>	Dg	44.0	42, 42AB
<i>Alchemilla</i> spec. div.		44.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 43AD, 43AE, 46, 46AA, 47, 47AC
<i>Ranunculus glacialis</i>	Dg	43.0	
<i>Polytrichum alpinum</i>	Dg	43.0	13, 42, 42AB
<i>Primula minima</i>		42.0	13, 42, 42AA, 42AB
<i>Oreochloa disticha</i>		42.0	13, 13AA, 42, 42AB, 45, 45AA
<i>Ranunculus pseudomontanus</i>		41.0	30, 30AB
Dominant species (1)			
<i>Cochlearia tatrae</i>	Dg	4.0	

Alliance 36CA *Stipion calamagrostis***Thermophilous vegetation of lower montane and montane calcareous screes**

No. of relevés: 249

Diagnostic species (1)*Galeopsis angustifolia* 40.5**Constant species (2)***Galium mollugo* agg. 45.0 17AA, 25, 25AA, 27AA, 28, 28AA, 28AC, 31AA, 36, 36CB, 36CC, 37*Vincetoxicum hirundinaria* Dm 43.0 08, 10AC, 10AF, 27AA, 27AB, 27AC, 28AC, 37, 37AA, 37BB**Dominant species (2)***Gymnocarpium robertianum* 12.0 36*Vincetoxicum hirundinaria* C 3.0**Alliance 36CB *Parietarion officinalis*****Carpathian scree vegetation of steep slopes of forest gorges**

No. of relevés: 36

Diagnostic species (2)*Campanula carpatica* C, Dm 43.7 08*Parietaria officinalis* C, Dm 36.6 43AB**Constant species (5)***Geranium robertianum* 61.0 02AC, 03, 07, 27, 27BC, 27BD, 36, 36CC, 43AB*Campanula carpatica* Dg, Dm 56.0*Galium mollugo* agg. Dm 53.0 17AA, 25, 25AA, 27AA, 28, 28AA, 28AC, 31AA, 36, 36CA, 36CC, 37*Urtica dioica* Dm 47.0 01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA*Parietaria officinalis* Dg, Dm 42.0**Dominant species (6)***Parietaria officinalis* Dg, C 33.0 43AB*Campanula carpatica* Dg, C 8.0 36CC*Circaea alpina* 6.0*Urtica dioica* C 3.0 02AC, 17EC, 28BB, 31, 31AB, 31AC, 43, 43AB, 43AD, 43BA*Galium mollugo* agg. C 3.0*Fagus sylvatica* 3.0 27, 27BB, 27BC, 27BD, 27BE**Alliance 36CC *Arabidion alpinae*****Vegetation of moist calcareous screes in montain areas**

No. of relevés: 37

Diagnostic species (7)*Arabis alpina* C, Dm 44.0 36, 36AA*Moehringia muscosa* 33.0*Cystopteris montana* Dm 31.4*Homalothecium lutescens* 31.0*Conocephalum conicum* 26.1*Geranium robertianum* C 25.8*Cystopteris fragilis* C 24.7 03, 03AB**Constant species (8)***Geranium robertianum* Dg 92.0 02AC, 03, 07, 27, 27BC, 27BD, 36, 36CB, 43AB

<i>Arabis alpina</i>	Dg, Dm	81.0	30BA, 36AA
<i>Poa nemoralis</i>		73.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 46, 46AA, 50
<i>Urtica dioica</i>		65.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Cystopteris fragilis</i>	Dg	51.0	03, 03AB, 03CD
<i>Galium mollugo</i> agg.		49.0	17AA, 25, 25AA, 27AA, 28, 28AA, 28AC, 31AA, 36, 36CA, 36CB, 37
<i>Epilobium montanum</i>		46.0	07, 07AA
<i>Arabidopsis arenosa</i> agg.		41.0	02AC, 03, 03AB, 03CD, 36, 36AA, 46
Dominant species (5)			
<i>Arabis alpina</i>	Dg, C	22.0	
<i>Cystopteris montana</i>	Dg	8.0	
<i>Plagiomnium affine</i> agg.		3.0	
<i>Chaerophyllum hirsutum</i>		3.0	19BC, 20EA
<i>Campanula carpatica</i>		3.0	36CB

Alliance 36DA *Galeopsis segetum***Open pioneer oligotrophic communities on siliceous screes in upland and montane belt**

No. of relevés: 76

Diagnostic species (7)

<i>Stereocaulon incrustatum</i>		39.6	
<i>Cladonia cariosa</i>		36.0	
<i>Cladonia arbuscula</i>	C	32.8	13, 39CA
<i>Ceratodon purpureus</i>	C	32.4	
<i>Cladonia coniocraea</i>		30.4	
<i>Stereocaulon paschale</i>		28.0	
<i>Cladonia fimbriata</i>	C	26.8	39CA

Constant species (6)

<i>Rumex acetosella</i>		66.0	03CB, 09, 10CA, 14, 33AB, 34AA, 48, 48AA, 50, 50AB
<i>Ceratodon purpureus</i>	Dg	61.0	
<i>Cladonia arbuscula</i>	Dg	58.0	13, 39CA, 45AA
<i>Silene vulgaris</i>		53.0	36AA
<i>Cladonia fimbriata</i>	Dg	42.0	
<i>Agrostis capillaris</i>		41.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB

Dominant species (1)

<i>Geranium lucidum</i>		3.0	
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Class 37 *Trifolio-Geranietea sanguinei***Vegetation of forest fringes**

No. of relevés: 285

Diagnostic species (14)

<i>Geranium sanguineum</i>	C, Dm	55.1	28AC, 37AA
<i>Teucrium chamaedrys</i>	C	40.2	10, 27AA, 37AA
<i>Brachypodium pinnatum</i>	C, Dm	38.5	10BB
<i>Trifolium alpestre</i>	C	33.4	

<i>Salvia pratensis</i>	C	30.7	10, 10BA, 10BB
<i>Origanum vulgare</i>	C	28.7	
<i>Verbascum chaixii</i>		28.5	
<i>Stachys recta</i>		28.2	10, 10AB
<i>Galium glaucum</i>		27.6	10AB
<i>Fragaria viridis</i>	C	26.9	25
<i>Peucedanum cervaria</i>		26.6	
<i>Elytrigia intermedia</i>		25.1	
<i>Vincetoxicum hirundinaria</i>	C	24.7	08, 27AA
<i>Veronica teucrium</i>		24.4	
Constant species (16)			
<i>Teucrium chamaedrys</i>	Dg	60.0	10, 10AA, 10AB, 10AC, 10AF, 10BA, 27AA, 28AC, 37AA
<i>Euphorbia cyparissias</i>		57.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37AA, 50, 50AB
<i>Geranium sanguineum</i>	Dg, Dm	52.0	28AC, 37AA
<i>Brachypodium pinnatum</i>	Dg, Dm	46.0	10, 10BA, 10BB, 27AA, 37AA, 37AB
<i>Achillea millefolium</i> agg.		45.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Vincetoxicum hirundinaria</i>	Dg	40.0	08, 10AC, 10AF, 27AA, 27AB, 27AC, 28AC, 36CA, 37AA, 37BB
<i>Origanum vulgare</i>	Dg	38.0	28AC, 37AB
<i>Hypericum perforatum</i>		37.0	07, 07AA, 10, 10AB, 10CA, 25, 25AA, 28AC, 37AB, 37BB, 48, 50
<i>Poa pratensis</i> agg.		35.0	02AA, 10BA, 10BB, 10CA, 17, 17AA, 17BB, 17BC, 17BD, 17BE, 27AB, 43AD
<i>Salvia pratensis</i>	Dg	34.0	10, 10BA, 10BB, 37AA
<i>Trifolium alpestre</i>	Dg	33.0	
<i>Galium mollugo</i> agg.		32.0	17AA, 25, 25AA, 27AA, 28, 28AA, 28AC, 31AA, 36, 36CA, 36CB, 36CC
<i>Viola hirta</i>		31.0	10, 10BA, 10BB, 27AA, 27AC, 37AB
<i>Securigera varia</i>		29.0	10BA, 27AA
<i>Fragaria viridis</i>	Dg	28.0	25
<i>Galium verum</i> agg.		26.0	10, 10BA, 10BB, 10CA, 17BC, 37AB, 50, 50AB
Dominant species (2)			
<i>Brachypodium pinnatum</i>	Dg, C	16.0	10, 10BB, 20CD, 27AA, 37AA
<i>Geranium sanguineum</i>	Dg, C	13.0	37AA

Alliance 37AA *Geranium sanguinei*

Sub-xerothermophilous forest fringe vegetation on shallow dried soils

No. of relevés: 218

Diagnostic species (2)

<i>Geranium sanguineum</i>	C, Dm	39.8	28AC, 37
<i>Teucrium chamaedrys</i>	C	24.5	10, 27AA, 37

Constant species (7)

<i>Teucrium chamaedrys</i>	Dg	72.0	10, 10AA, 10AB, 10AC, 10AF, 10BA, 27AA, 28AC, 37
<i>Geranium sanguineum</i>	Dg, Dm	67.0	28AC, 37
<i>Euphorbia cyparissias</i>		62.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC,

			10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 50, 50AB
<i>Brachypodium pinnatum</i>	Dm	51.0	10, 10BA, 10BB, 27AA, 37, 37AB
<i>Vincetoxicum hirundinaria</i>		46.0	08, 10AC, 10AF, 27AA, 27AB, 27AC, 28AC, 36CA, 37, 37BB
<i>Achillea millefolium</i> agg.		45.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Salvia pratensis</i>		41.0	10, 10BA, 10BB, 37
Dominant species (3)			
<i>Brachypodium pinnatum</i>	C	21.0	10, 10BB, 20CD, 27AA, 37
<i>Geranium sanguineum</i>	Dg, C	17.0	37
<i>Rosa gallica</i>		3.0	

Alliance 37AB *Trifolion medii***Mesophilous forest fringe vegetation on medium deep soils**

No. of relevés: 48

Diagnostic species (0)**Constant species (7)**

<i>Achillea millefolium</i> agg.		56.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37BA, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Pimpinella saxifraga</i>		50.0	10, 10BA, 10BB, 17, 17AA, 17AB, 27AA, 50
<i>Galium verum</i> agg.		48.0	10, 10BA, 10BB, 10CA, 17BC, 37, 50, 50AB
<i>Viola hirta</i>		46.0	10, 10BA, 10BB, 27AA, 27AC, 37
<i>Origanum vulgare</i>		46.0	28AC, 37
<i>Brachypodium pinnatum</i>		44.0	10, 10BA, 10BB, 27AA, 37, 37AA
<i>Hypericum perforatum</i>		42.0	07, 07AA, 10, 10AB, 10CA, 25, 25AA, 28AC, 37, 37BB, 48, 50

Dominant species (3)

<i>Melampyrum nemorosum</i>		8.0	
<i>Pteridium aquilinum</i>		6.0	
<i>Vicia tenuifolia</i>		4.0	

Alliance 37BA *Melampyrion pratensis***Fringe communities on acid dried sandy soils**

No. of relevés: 3

Diagnostic species (1)

<i>Melampyrum pratense</i>	C	37.4	26, 26AA, 27AD
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Constant species (5)

<i>Melampyrum pratense</i>	Dg	67.0	26, 26AA, 27AD
<i>Genista tinctoria</i>		67.0	
<i>Avenella flexuosa</i>	Dm	67.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB

<i>Achillea millefolium</i> agg.		67.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 46, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Agrostis capillaris</i>		67.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
Dominant species (1)			
<i>Avenella flexuosa</i>	C	33.0	20CC, 26AA, 47, 47AB
Alliance 37BB <i>Teucrium scorodoniae</i>			
Sub-xerophilous fringe communities on siliceous bedrock			
No. of relevés: 16			
Diagnostic species (4)			
<i>Teucrium scorodonia</i>	C, Dm	69.7	34AA, 50
<i>Galeopsis ladanum</i>	C	42.8	33AB, 50
<i>Fallopia dumetorum</i>		36.5	
<i>Genista pilosa</i>	C	24.8	10AF, 48, 48AA
Constant species (13)			
<i>Teucrium scorodonia</i>	Dg, Dm	100.0	50
<i>Avenella flexuosa</i>		100.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Agrostis capillaris</i>		81.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 47, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Rosa canina</i> agg.		69.0	25, 25AA, 27AD, 28, 28AA, 50, 50AB
<i>Galeopsis ladanum</i>	Dg	69.0	33AB, 50
<i>Quercus petraea</i> agg.		62.0	25, 25AA, 26, 26AA, 26BA, 27, 27AB, 27AD, 27BB, 27BE, 50
<i>Hypericum perforatum</i>		62.0	07, 07AA, 10, 10AB, 10CA, 25, 25AA, 28AC, 37, 37AB, 48, 50
<i>Rumex acetosa</i>		62.0	17, 17AA, 17AB, 17BA, 17BB, 17EA
<i>Genista pilosa</i>	Dg	56.0	08, 10AF, 25, 27AD, 48, 48AA
<i>Vincetoxicum hirundinaria</i>		44.0	08, 10AC, 10AF, 27AA, 27AB, 27AC, 28AC, 36CA, 37, 37AA
<i>Rubus fruticosus</i> agg.		44.0	29, 50
<i>Polytrichum piliferum</i>		44.0	13, 48, 48AA
<i>Allium flavum</i>		44.0	
Dominant species (1)			
<i>Teucrium scorodonia</i>	Dg, C	38.0	
Class 39 <i>Vaccinio-Piceetea</i>			
Coniferous forests			
No. of relevés: 1409			
Diagnostic species (25)			
<i>Oxalis acetosella</i>	C, Dm	50.9	39AA, 39BA, 39BB, 39BC, 39BD
<i>Dryopteris carthusiana</i> agg.	C	41.5	01, 39AA, 39BA, 39BB, 39BC, 44
<i>Preanthes purpurea</i>	C	41.1	39BB, 39BD

<i>Gymnocarpium dryopteris</i>	C	38.4	39BA, 39BB
<i>Maianthemum bifolium</i>	C	38.0	39BD
<i>Picea abies</i>	C, Dm	37.5	18
<i>Lonicera nigra</i>	C	37.5	39BB, 39BD
<i>Sorbus aucuparia</i>	C	36.4	08, 46
<i>Abies alba</i>	C, Dm	34.0	39BD, 39CA
<i>Athyrium filix-femina</i>	C	32.6	07
<i>Phegopteris connectilis</i>		31.9	
<i>Gentiana asclepiadea</i>	C	28.6	39BB, 46
<i>Dicranum scoparium</i>	C	27.9	39CA, 44
<i>Rubus idaeus</i>	C	26.6	07
<i>Polytrichum formosum</i> agg.	C	26.5	39CA
<i>Plagiothecium laetum</i>		26.3	39BB
<i>Soldanella hungarica</i>		26.2	39BA, 39BB, 48AD
<i>Plagiothecium undulatum</i>		25.9	39BC
<i>Luzula sylvatica</i>	C	25.9	39BB, 39BC, 46, 46AA
<i>Senecio nemorensis</i> agg.	C	25.3	07, 46
<i>Calamagrostis arundinacea</i>	C, Dm	25.2	20CC, 46, 46AA
<i>Vaccinium myrtillus</i>	C, Dm	25.0	44, 45, 49
<i>Dryopteris filix-mas</i> agg.	C	24.6	07
<i>Calamagrostis villosa</i>	C, Dm	24.5	18, 20CA, 44
<i>Polygonatum verticillatum</i>	C	24.2	39BB, 46
Constant species (31)			
<i>Picea abies</i>	Dg, Dm	98.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Oxalis acetosella</i>	Dg, Dm	87.0	27, 27BC, 27BD, 27BE, 28AB, 28BA, 39AA, 39BA, 39BB, 39BC, 39BD, 44
<i>Vaccinium myrtillus</i>	Dg, Dm	81.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Sorbus aucuparia</i>	Dg	79.0	07, 08, 08AA, 26, 27BE, 28BA, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Dryopteris carthusiana</i> agg.	Dg	71.0	01, 01BA, 39AA, 39BA, 39BB, 39BC, 39BD, 44, 44AA
<i>Rubus idaeus</i>	Dg	57.0	07, 07AA, 07AC, 25, 28BA, 39AA, 39BA, 39BB, 39BC, 39BD, 43AE, 44, 46, 46AA
<i>Dicranum scoparium</i>	Dg	56.0	03CD, 08, 18, 26, 26BA, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA
<i>Avenella flexuosa</i>		54.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Senecio nemorensis</i> agg.	Dg	53.0	07, 07AA, 07AC, 20, 25, 27, 27BC, 27BD, 28BA, 39BA, 39BB, 39BC, 39BD, 46, 46AA
<i>Athyrium filix-femina</i>	Dg	53.0	01, 01BA, 07, 07AC, 19BC, 27BD, 27BE, 28BA, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Maianthemum bifolium</i>	Dg	51.0	39AA, 39BB, 39BD

<i>Calamagrostis villosa</i>	Dg, Dm	51.0	18, 18AA, 20, 20CA, 20DA, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 46, 46AA
<i>Homogyne alpina</i>		49.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Prenanthes purpurea</i>	Dg	45.0	27BD, 39BA, 39BB, 39BC, 39BD
<i>Abies alba</i>	Dg, Dm	45.0	08, 27BD, 39BD, 39CA
<i>Gentiana asclepiadea</i>	Dg	44.0	39BA, 39BB, 39BC, 39BD, 46, 46AA, 47, 48AD
<i>Calamagrostis arundinacea</i>	Dg, Dm	41.0	07, 20CC, 39BD, 46, 46AA
<i>Hieracium murorum</i>		40.0	25, 25AA, 26, 26AA, 27, 27AD, 27BE, 39BB, 39BD
<i>Dryopteris filix-mas</i> agg.	Dg	40.0	07, 07AC, 27, 27BC, 27BD, 27BE, 28BA, 39BB, 39BD, 46
<i>Polytrichum formosum</i> agg.	Dg	38.0	39AA, 39BC, 39CA
<i>Luzula sylvatica</i>	Dg	38.0	20CE, 39BA, 39BB, 39BC, 46, 46AA, 48AD
<i>Luzula luzuloides</i>		38.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Lonicera nigra</i>	Dg	36.0	39BB, 39BD
<i>Hylocomium splendens</i>		34.0	08, 26BA, 42, 42AA, 44, 44AA, 48AD
<i>Vaccinium vitis-idaea</i>		33.0	08, 08AA, 13, 13AA, 18, 18AA, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Pleurozium schreberi</i>		33.0	18, 18AA, 26, 26BA, 39CA, 44, 44AA, 45, 45AB, 48AD, 49
<i>Polygonatum verticillatum</i>	Dg	32.0	39BA, 39BB, 39BD, 46, 46AA
<i>Gymnocarpium dryopteris</i>	Dg	29.0	39BA, 39BB
<i>Solidago virgaurea</i>		28.0	20CA, 20CC, 46, 47
<i>Lactuca muralis</i>		27.0	02AC, 07, 07AA, 25, 25AA, 26, 26BA, 27, 27BB, 27BC, 27BD, 27BE, 39BD
<i>Fagus sylvatica</i>		27.0	07, 07AA, 07AC, 25, 26, 26AA, 27, 27BB, 27BC, 27BD, 27BE, 28BA, 39BD, 39CA
Dominant species (4)			
<i>Picea abies</i>	Dg, C	48.0	18, 18AA, 27BD, 27BE, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Vaccinium myrtillus</i>	Dg, C	8.0	20CA, 26, 26AA, 27AD, 39AA, 44, 44AA, 45, 45AB, 47, 47AB, 48, 48AD, 49, 49AB
<i>Abies alba</i>	Dg, C	6.0	27BD, 39AA, 39BD
<i>Calamagrostis villosa</i>	Dg, C	3.0	18, 18AA, 20, 20CA, 20CC, 39AA, 39BC, 44, 44AA, 46, 46AA

Alliance 39AA *Piceion excelsae*

Acidophilous spruce forests rich in mosses and *Vaccinium* spec. div.

No. of relevés: 851

Diagnostic species (2)

<i>Dryopteris carthusiana</i> agg.	C	26.1	01, 39, 39BA, 39BB, 39BC, 44
<i>Oxalis acetosella</i>	C	24.0	39, 39BA, 39BB, 39BC, 39BD

Constant species (15)

<i>Picea abies</i>	Dm	99.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
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<i>Vaccinium myrtillus</i>	Dm	89.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Oxalis acetosella</i>	Dg	84.0	27, 27BC, 27BD, 27BE, 28AB, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 44
<i>Sorbus aucuparia</i>		79.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Dryopteris carthusiana</i> agg.	Dg	74.0	01, 01BA, 39, 39BA, 39BB, 39BC, 39BD, 44, 44AA
<i>Avenella flexuosa</i>		65.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Dicranum scoparium</i>		63.0	03CD, 08, 18, 26, 26BA, 39, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA
<i>Calamagrostis villosa</i>	Dm	58.0	18, 18AA, 20, 20CA, 20DA, 39, 39BA, 39BB, 39BC, 44, 44AA, 45, 46, 46AA
<i>Maianthemum bifolium</i>		52.0	39, 39BB, 39BD
<i>Rubus idaeus</i>		51.0	07, 07AA, 07AC, 25, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 43AE, 44, 46, 46AA
<i>Athyrium filix-femina</i>		50.0	01, 01BA, 07, 07AC, 19BC, 27BD, 27BE, 28BA, 39, 39BA, 39BB, 39BC, 39BD
<i>Homogyne alpina</i>		48.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Vaccinium vitis-idaea</i>		44.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Luzula luzuloides</i>		44.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39CA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Polytrichum formosum</i> agg.		43.0	39, 39BC, 39CA
Dominant species (5)			
<i>Picea abies</i>	C	49.0	18, 18AA, 27BD, 27BE, 39, 39BA, 39BB, 39BC, 39BD
<i>Vaccinium myrtillus</i>	C	14.0	20CA, 26, 26AA, 27AD, 39, 44, 44AA, 45, 45AB, 47, 47AB, 48, 48AD, 49, 49AB
<i>Calamagrostis villosa</i>	C	4.0	18, 18AA, 20, 20CA, 20CC, 39, 39BC, 44, 44AA, 46, 46AA
<i>Abies alba</i>		4.0	27BD, 39, 39BD
<i>Pinus cembra</i>		3.0	

Alliance 39BA *Oxalido-Piceion***High-mountain spruce forests near the timberline**

No. of relevés: 58

Diagnostic species (5)

<i>Gymnocarpium dryopteris</i>	C	30.5	39, 39BB
<i>Moneses uniflora</i>		30.4	
<i>Soldanella hungarica</i>	C	26.9	39, 39BB, 48AD
<i>Oxalis acetosella</i>	C, Dm	26.7	39, 39AA, 39BB, 39BC, 39BD

<i>Dryopteris carthusiana</i> agg.	C	26.6	01, 39, 39AA, 39BB, 39BC, 44
Constant species (18)			
<i>Picea abies</i>	Dm	100.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Oxalis acetosella</i>	Dg, Dm	93.0	27, 27BC, 27BD, 27BE, 28AB, 28BA, 39, 39AA, 39BB, 39BC, 39BD, 44
<i>Sorbus aucuparia</i>		84.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Vaccinium myrtillus</i>		81.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Dryopteris carthusiana</i> agg.	Dg	76.0	01, 01BA, 39, 39AA, 39BB, 39BC, 39BD, 44, 44AA
<i>Homogyne alpina</i>		69.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Calamagrostis villosa</i>		69.0	18, 18AA, 20, 20CA, 20DA, 39, 39AA, 39BB, 39BC, 44, 44AA, 45, 46, 46AA
<i>Senecio nemorensis</i> agg.		64.0	07, 07AA, 07AC, 20, 25, 27, 27BC, 27BD, 28BA, 39, 39BB, 39BC, 39BD, 46, 46AA
<i>Luzula sylvatica</i>		62.0	20CE, 39, 39BB, 39BC, 46, 46AA, 48AD
<i>Rubus idaeus</i>		60.0	07, 07AA, 07AC, 25, 28BA, 39, 39AA, 39BB, 39BC, 39BD, 43AE, 44, 46, 46AA
<i>Avenella flexuosa</i>		55.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Soldanella hungarica</i>	Dg	50.0	39BB, 48AD
<i>Gymnocarpium dryopteris</i>	Dg	50.0	39, 39BB
<i>Athyrium filix-femina</i>		48.0	01, 01BA, 07, 07AC, 19BC, 27BD, 27BE, 28BA, 39, 39AA, 39BB, 39BC, 39BD
<i>Polygonatum verticillatum</i>		47.0	39, 39BB, 39BD, 46, 46AA
<i>Gentiana asclepiadea</i>		47.0	39, 39BB, 39BC, 39BD, 46, 46AA, 47, 48AD
<i>Dicranum scoparium</i>		45.0	03CD, 08, 18, 26, 26BA, 39, 39AA, 39BB, 39BC, 39BD, 39CA, 44, 44AA
<i>Prenanthes purpurea</i>		41.0	27BD, 39, 39BB, 39BC, 39BD
Dominant species (2)			
<i>Picea abies</i>	C	71.0	18, 18AA, 27BD, 27BE, 39, 39AA, 39BB, 39BC, 39BD
<i>Oxalis acetosella</i>	Dg, C	9.0	39BD

Alliance 39BB *Chrysanthemo rotundifolii-Piceion*

Species-rich spruce forests on eutrophic soils, mostly on calcareous bedrock

No. of relevés: 153

Diagnostic species (13)

<i>Lactuca alpina</i>	C	34.5	
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<i>Adenostyles alliariae</i>	C, Dm	31.9	20DA, 39BC, 46
<i>Plagiothecium laetum</i>	C	31.8	39
<i>Soldanella hungarica</i>	C	30.4	39, 39BA, 48AD
<i>Luzula sylvatica</i>	C	30.3	39, 39BC, 46, 46AA
<i>Doronicum austriacum</i>	C	29.8	20DA
<i>Prenanthes purpurea</i>	C	29.1	39, 39BD
<i>Oxalis acetosella</i>	C	25.8	39, 39AA, 39BA, 39BC, 39BD
<i>Gymnocarpium dryopteris</i>	C	25.4	39, 39BA
<i>Gentiana asclepiadea</i>	C	25.1	39, 46
<i>Polygonatum verticillatum</i>	C	24.9	39, 46
<i>Dryopteris carthusiana</i> agg.	C	24.6	01, 39, 39AA, 39BA, 39BC, 44
<i>Lonicera nigra</i>	C	24.2	39, 39BD
Constant species (30)			
<i>Picea abies</i>	Dm	99.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Oxalis acetosella</i>	Dg	90.0	27, 27BC, 27BD, 27BE, 28AB, 28BA, 39, 39AA, 39BA, 39BC, 39BD, 44
<i>Sorbus aucuparia</i>	Dm	84.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BC, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Vaccinium myrtillus</i>		78.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Luzula sylvatica</i>	Dg	78.0	20CE, 39, 39BA, 39BC, 46, 46AA, 48AD
<i>Homogyne alpina</i>		77.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Senecio nemorensis</i> agg.		73.0	07, 07AA, 07AC, 20, 25, 27, 27BC, 27BD, 28BA, 39, 39BA, 39BC, 39BD, 46, 46AA
<i>Gentiana asclepiadea</i>	Dg	71.0	39, 39BA, 39BC, 39BD, 46, 46AA, 47, 48AD
<i>Dryopteris carthusiana</i> agg.	Dg	71.0	01, 01BA, 39, 39AA, 39BA, 39BC, 39BD, 44, 44AA
<i>Adenostyles alliariae</i>	Dg, Dm	71.0	20DA, 39BC, 46
<i>Prenanthes purpurea</i>	Dg	67.0	27BD, 39, 39BA, 39BC, 39BD
<i>Rubus idaeus</i>		61.0	07, 07AA, 07AC, 25, 28BA, 39, 39AA, 39BA, 39BC, 39BD, 43AE, 44, 46, 46AA
<i>Polygonatum verticillatum</i>	Dg	61.0	39, 39BA, 39BD, 46, 46AA
<i>Dryopteris filix-mas</i> agg.		58.0	07, 07AC, 27, 27BC, 27BD, 27BE, 28BA, 39, 39BD, 46
<i>Athyrium filix-femina</i>		58.0	01, 01BA, 07, 07AC, 19BC, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BC, 39BD
<i>Calamagrostis villosa</i>		57.0	18, 18AA, 20, 20CA, 20DA, 39, 39AA, 39BA, 39BC, 44, 44AA, 45, 46, 46AA
<i>Soldanella hungarica</i>	Dg	56.0	39BA, 48AD
<i>Dicranum scoparium</i>		52.0	03CD, 08, 18, 26, 26BA, 39, 39AA, 39BA, 39BC, 39BD, 39CA, 44, 44AA
<i>Doronicum austriacum</i>	Dg	49.0	20DA

<i>Lactuca alpina</i>	Dg	49.0	
<i>Avenella flexuosa</i>		49.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Valeriana tripteris</i>		47.0	03, 03AB, 08, 39BD, 46, 46AA
<i>Galeobdolon luteum</i> agg.		44.0	27, 27BC, 27BD, 39BD
<i>Lonicera nigra</i>	Dg	43.0	39, 39BD
<i>Maianthemum bifolium</i>		42.0	39, 39AA, 39BD
<i>Hieracium murorum</i>		42.0	25, 25AA, 26, 26AA, 27, 27AD, 27BE, 39, 39BD
<i>Gymnocarpium dryopteris</i>	Dg	42.0	39, 39BA
<i>Stellaria nemorum</i>		41.0	19, 19AA, 20, 20EA, 39BC, 43AE
<i>Plagiothecium laetum</i>	Dg	41.0	
<i>Milium effusum</i>		41.0	20DA
Dominant species (4)			
<i>Picea abies</i>	C	70.0	18, 18AA, 27BD, 27BE, 39, 39AA, 39BA, 39BC, 39BD
<i>Adenostyles alliariae</i>	Dg, C	5.0	20, 20DA, 39BC
<i>Sorbus aucuparia</i>	C	3.0	
<i>Sesleria caerulea</i>		3.0	03, 03AB, 06AB, 08, 08AA, 10, 10AC, 10AF, 27AA

Alliance 39BC *Athyrio alpestris-Piceion***Acidophilous montain *Athyrium* spruce forests**

No. of relevés: 70

Diagnostic species (6)

<i>Athyrium distentifolium</i>	C, Dm	41.9	20DA, 44
<i>Plagiothecium undulatum</i>		33.0	39
<i>Oxalis acetosella</i>	C	28.8	39, 39AA, 39BA, 39BB, 39BD
<i>Adenostyles alliariae</i>	C, Dm	28.3	20DA, 39BB, 46
<i>Dryopteris carthusiana</i> agg.	C	27.6	01, 39, 39AA, 39BA, 39BB, 44
<i>Luzula sylvatica</i>	C	25.7	39, 39BB, 46, 46AA

Constant species (20)

<i>Picea abies</i>	Dm	100.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BD, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Oxalis acetosella</i>	Dg	100.0	27, 27BC, 27BD, 27BE, 28AB, 28BA, 39, 39AA, 39BA, 39BB, 39BD, 44
<i>Homogyne alpina</i>		89.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Vaccinium myrtillus</i>		87.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Sorbus aucuparia</i>		83.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BD, 39CA, 44, 44AA, 46, 46AA
<i>Rubus idaeus</i>		79.0	07, 07AA, 07AC, 25, 28BA, 39, 39AA, 39BA, 39BB, 39BD, 43AE, 44, 46, 46AA

<i>Dryopteris carthusiana</i> agg.	Dg	79.0	01, 01BA, 39, 39AA, 39BA, 39BB, 39BD, 44, 44AA
<i>Athyrium distentifolium</i>	Dg, Dm	69.0	20DA, 44
<i>Luzula sylvatica</i>	Dg	67.0	20CE, 39, 39BA, 39BB, 46, 46AA, 48AD
<i>Senecio nemorensis</i> agg.		64.0	07, 07AA, 07AC, 20, 25, 27, 27BC, 27BD, 28BA, 39, 39BA, 39BB, 39BD, 46, 46AA
<i>Adenostyles alliariae</i>	Dg, Dm	63.0	20DA, 39BB, 46
<i>Gentiana asclepiadea</i>		60.0	39, 39BA, 39BB, 39BD, 46, 46AA, 47, 48AD
<i>Stellaria nemorum</i>		59.0	19, 19AA, 20, 20EA, 39BB, 43AE
<i>Calamagrostis villosa</i>	Dm	59.0	18, 18AA, 20, 20CA, 20DA, 39, 39AA, 39BA, 39BB, 44, 44AA, 45, 46, 46AA
<i>Prenanthes purpurea</i>		53.0	27BD, 39, 39BA, 39BB, 39BD
<i>Avenella flexuosa</i>		44.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Polytrichum formosum</i> agg.		43.0	39, 39AA, 39CA
<i>Athyrium filix-femina</i>		43.0	01, 01BA, 07, 07AC, 19BC, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BD
<i>Rumex alpestris</i>		43.0	20, 20CC, 20DA, 43AE
<i>Dicranum scoparium</i>		41.0	03CD, 08, 18, 26, 26BA, 39, 39AA, 39BA, 39BB, 39BD, 39CA, 44, 44AA
Dominant species (5)			
<i>Picea abies</i>	C	76.0	18, 18AA, 27BD, 27BE, 39, 39AA, 39BA, 39BB, 39BD
<i>Athyrium distentifolium</i>	Dg, C	6.0	20, 20DA
<i>Calamagrostis villosa</i>	C	3.0	18, 18AA, 20, 20CA, 20CC, 39, 39AA, 44, 44AA, 46, 46AA
<i>Agrostis capillaris</i>		3.0	17EB, 17EC
<i>Adenostyles alliariae</i>	Dg, C	3.0	20, 20DA, 39BB

Alliance 39BD *Abietion albae***Mesophilous species-rich spruce-fir forests in montane belt**

No. of relevés: 267

Diagnostic species (9)

<i>Abies alba</i>	C, Dm	36.6	39, 39CA
<i>Circaea alpina</i>		36.3	
<i>Lonicera nigra</i>	C	33.2	39, 39BB
<i>Maianthemum bifolium</i>	C	31.4	39
<i>Prenanthes purpurea</i>	C	31.0	39, 39BB
<i>Clematis alpina</i>	C	29.4	08
<i>Oxalis acetosella</i>	C, Dm	26.5	39, 39AA, 39BA, 39BB, 39BC
<i>Plagiomnium undulatum</i>		24.3	
<i>Poa stiriaca</i>		24.1	

Constant species (25)

<i>Picea abies</i>	Dm	94.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39CA, 44, 46, 46AA, 48AD, 49, 49AB
<i>Oxalis acetosella</i>	Dg, Dm	93.0	27, 27BC, 27BD, 27BE, 28AB, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 44
<i>Abies alba</i>	Dg, Dm	89.0	08, 27BD, 39, 39CA
<i>Senecio nemorensis</i> agg.		82.0	07, 07AA, 07AC, 20, 25, 27, 27BC, 27BD,

			28BA, 39, 39BA, 39BB, 39BC, 46, 46AA
<i>Sorbus aucuparia</i>		77.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39CA, 44, 44AA, 46, 46AA
<i>Prenanthes purpurea</i>	Dg	71.0	27BD, 39, 39BA, 39BB, 39BC
<i>Maianthemum bifolium</i>	Dg	71.0	39, 39AA, 39BB
<i>Rubus idaeus</i>	Dm	68.0	07, 07AA, 07AC, 25, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 43AE, 44, 46, 46AA
<i>Dryopteris filix-mas</i> agg.		68.0	07, 07AC, 27, 27BC, 27BD, 27BE, 28BA, 39, 39BB, 46
<i>Athyrium filix-femina</i>		65.0	01, 01BA, 07, 07AC, 19BC, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC
<i>Fragaria vesca</i>		60.0	07, 07AA, 20CD, 25, 25AA, 26, 27, 27AB, 27BB, 28, 28BA, 46, 46AA
<i>Dryopteris carthusiana</i> agg.		60.0	01, 01BA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA
<i>Lonicera nigra</i>	Dg	58.0	39, 39BB
<i>Lactuca muralis</i>		56.0	02AC, 07, 07AA, 25, 25AA, 26, 26BA, 27, 27BB, 27BC, 27BD, 27BE, 39
<i>Hieracium murorum</i>		55.0	25, 25AA, 26, 26AA, 27, 27AD, 27BE, 39, 39BB
<i>Vaccinium myrtillus</i>		54.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Acer pseudoplatanus</i>		54.0	07, 27, 27BC, 27BD, 28BA
<i>Calamagrostis arundinacea</i>	Dm	52.0	07, 20CC, 39, 46, 46AA
<i>Gentiana asclepiadea</i>		51.0	39, 39BA, 39BB, 39BC, 46, 46AA, 47, 48AD
<i>Galeobdolon luteum</i> agg.		47.0	27, 27BC, 27BD, 39BB
<i>Polygonatum verticillatum</i>		45.0	39, 39BA, 39BB, 46, 46AA
<i>Fagus sylvatica</i>		45.0	07, 07AA, 07AC, 25, 26, 26AA, 27, 27BB, 27BC, 27BD, 27BE, 28BA, 39, 39CA
<i>Clematis alpina</i>	Dg	44.0	
<i>Valeriana tripteris</i>		42.0	03, 03AB, 08, 39BB, 46, 46AA
<i>Dicranum scoparium</i>		42.0	03CD, 08, 18, 26, 26BA, 39, 39AA, 39BA, 39BB, 39BC, 39CA, 44, 44AA
Dominant species (6)			
<i>Picea abies</i>	C	21.0	18, 18AA, 27BD, 27BE, 39, 39AA, 39BA, 39BB, 39BC
<i>Abies alba</i>	Dg, C	21.0	27BD, 39, 39AA
<i>Calamagrostis arundinacea</i>	C	7.0	07, 07AC, 17EC, 20, 20CC, 25, 25AA, 27BE, 46, 46AA, 47AB
<i>Oxalis acetosella</i>	Dg, C	6.0	39BA
<i>Carex alba</i>		4.0	
<i>Rubus idaeus</i>	C	3.0	07, 07AC, 25, 25AA, 28BA

Alliance 39CA Dicrano-Pinion**Relict acidophilous Pine forests**

No. of relevés: 10

Diagnostic species (19)

<i>Umbilicaria hirsuta</i>	C	89.6	
<i>Betula pubescens</i>	C	55.5	18, 18AA

<i>Pycnothelia papillaria</i>		52.9	
<i>Cladonia rangiferina</i>	C	46.6	45, 45AA
<i>Pseudevernia furfuracea</i>		44.4	
<i>Ptilidium ciliare</i>	C	44.0	42AA
<i>Leucobryum glaucum</i>	C	43.1	26, 26BA
<i>Cynodontium polycarpon</i>		40.6	
<i>Pohlia nutans</i>		38.2	
<i>Polytrichum formosum</i> agg.	C	36.7	39
<i>Parmelia saxatilis</i>		36.3	
<i>Pinus sylvestris</i>	C	33.5	08, 08AA, 18, 26BA
<i>Abies alba</i>	C	32.8	39, 39BD
<i>Dicranella heteromalla</i>		31.7	
<i>Dicranum scoparium</i>	C	29.2	39, 44
<i>Lasallia pustulata</i>		28.3	
<i>Cladonia arbuscula</i>	C	28.2	13, 36DA
<i>Populus tremula</i>		26.2	
<i>Cladonia fimbriata</i>		25.4	36DA
Constant species (20)			
<i>Vaccinium myrtillus</i>		100.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Pinus sylvestris</i>	Dg	100.0	08, 08AA, 18, 18AA, 25, 25AA, 26, 26BA, 48AC
<i>Umbilicaria hirsuta</i>	Dg	90.0	
<i>Polytrichum formosum</i> agg.	Dg	90.0	39, 39AA, 39BC
<i>Picea abies</i>		90.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44, 46, 46AA, 48AD, 49, 49AB
<i>Dicranum scoparium</i>	Dg	90.0	03CD, 08, 18, 26, 26BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44, 44AA
<i>Deschampsia cespitosa</i>		90.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 43AE, 47, 47AB, 47AC
<i>Cladonia rangiferina</i>	Dg	90.0	13, 45, 45AA
<i>Betula pubescens</i>	Dg	90.0	18, 18AA
<i>Vaccinium vitis-idaea</i>		80.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Abies alba</i>	Dg	80.0	08, 27BD, 39, 39BD
<i>Pleurozium schreberi</i>		70.0	18, 18AA, 26, 26BA, 39, 44, 44AA, 45, 45AB, 48AD, 49
<i>Fagus sylvatica</i>		70.0	07, 07AA, 07AC, 25, 26, 26AA, 27, 27BB, 27BC, 27BD, 27BE, 28BA, 39, 39BD
<i>Luzula luzuloides</i>		60.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 45, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Sorbus aucuparia</i>		50.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44, 44AA, 46, 46AA
<i>Ptilidium ciliare</i>	Dg	50.0	
<i>Leucobryum glaucum</i>	Dg	50.0	
<i>Frangula alnus</i>		50.0	01, 01BA, 18, 18AA, 26, 26BA, 27AD

<i>Cladonia arbuscula</i>	Dg	50.0	13, 36DA, 45AA
<i>Calluna vulgaris</i>		50.0	18, 40, 48, 48AA, 48AC, 49, 49AB, 50

Dominant species (0)**Class 40 Oxycocco-Sphagnetea****Ombrotrophic and ombrosoligenic raised bogs, and extremely oligotrophic mires**

No. of relevés: 146

Diagnostic species (17)

<i>Eriophorum vaginatum</i>	C, Dm	55.8	18, 18AA, 40AA, 40AB, 49, 49AB
<i>Sphagnum capillifolium</i> agg.	C, Dm	42.7	40AA, 49, 49AB
<i>Rhododendron tomentosum</i>		38.4	40AA, 40AB
<i>Sphagnum fuscum</i>	C, Dm	37.7	40AA, 49, 49AB
<i>Andromeda polifolia</i>		37.0	32BB, 40AB
<i>Jungermannia sphaerocarpa</i>			36.6 32BB
<i>Sphagnum compactum</i>	Dm	33.4	40AA
<i>Vaccinium oxycoccos</i>	C	32.7	16BA, 18, 18AA, 40AB, 49
<i>Polytrichum commune</i>	C, Dm	32.5	18, 18AA, 32CD, 40AB
<i>Drosera rotundifolia</i>	C	32.4	18, 32AG, 32BB
<i>Dicranum bonjeanii</i>		30.9	
<i>Carex pauciflora</i>		30.7	32BB, 40AB, 49
<i>Vaccinium uliginosum</i> ¹⁶	C	28.1	40AA, 45, 45AA, 49, 49AB
<i>Aulacomnium palustre</i> agg.		26.2	32, 32AG, 32BB, 32CC
<i>Empetrum nigrum</i> ¹⁷	C	24.9	40AA, 45, 45AA, 45AB, 49
<i>Sphagnum magellanicum</i>	C	24.8	40AA, 49, 49AB
<i>Sphagnum palustre</i> agg.	C, Dm	24.5	18, 18AA, 32BB

Constant species (15)

<i>Eriophorum vaginatum</i>	Dg, Dm	92.0	18, 18AA, 40AA, 40AB, 49, 49AB
<i>Sphagnum capillifolium</i> agg.	Dg, Dm	60.0	32BB, 40AA, 40AB, 49, 49AB
<i>Polytrichum commune</i>	Dg, Dm	48.0	18, 18AA, 32CD, 40AB, 49
<i>Vaccinium oxycoccos</i>	Dg	47.0	16BA, 18, 18AA, 32BB, 32CD, 40AB, 49, 49AB
<i>Vaccinium uliginosum</i>	Dg	41.0	40AA, 45, 45AA, 49, 49AB
<i>Carex nigra</i>		36.0	16BA, 18, 18AA, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 40AB, 49
<i>Calluna vulgaris</i>		34.0	18, 39CA, 48, 48AA, 48AC, 49, 49AB, 50
<i>Sphagnum magellanicum</i>	Dg	32.0	18, 49, 49AB
<i>Sphagnum fuscum</i>	Dg, Dm	32.0	40AA, 49
<i>Polytrichum strictum</i>		32.0	18, 49, 49AB
<i>Vaccinium myrtillus</i>		31.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Vaccinium vitis-idaea</i>		29.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Sphagnum palustre</i> agg.	Dg, Dm	29.0	18, 18AA, 32BB
<i>Drosera rotundifolia</i>	Dg	29.0	32AG, 32BB
<i>Empetrum nigrum</i>	Dg	28.0	40AA, 45, 45AA, 49

Dominant species (7)

<i>Eriophorum vaginatum</i>	Dg, C	16.0	40AA, 40AB, 49, 49AB
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¹⁶ Subspecies *Vaccinium *uliginosum* occurs in this class.¹⁷ Both subspecies *Empetrum *hermaphroditum* and *E. *nigrum* (tetraploid and diploid populations) are expected.

<i>Sphagnum capillifolium</i> agg.	Dg, C	12.0	32BB, 32CD, 40AA, 40AB, 45, 45AB, 47AA, 49, 49AB
<i>Sphagnum compactum</i>	Dg	5.0	40AA, 40AB
<i>Sphagnum fuscum</i>	Dg, C	4.0	40AA, 49, 49AB
<i>Polytrichum commune</i>	Dg, C	4.0	40AB, 49, 49AB
<i>Sphagnum recurvum</i> agg.		3.0	16, 16BA, 18, 18AA, 32, 32BB, 32BE, 32CD, 40AB, 49, 49AB
<i>Sphagnum girgensohnii</i>		3.0	40AA, 47AA, 49, 49AB

Alliance 40AA *Oxycocco-Empetrium hermaphroditum***Boreal and high-altitude chamaephyte-rich raised bogs**

No. of relevés: 57

Diagnostic species (10)

<i>Eriophorum vaginatum</i>	C, Dm	42.9	18, 18AA, 40, 40AB, 49, 49AB
<i>Sphagnum fuscum</i>	C, Dm	40.2	40, 49, 49AB
<i>Empetrum nigrum</i>	C	36.6	40, 45, 45AA, 45AB, 49
<i>Sphagnum capillifolium</i> agg.	C, Dm	35.1	40, 49, 49AB
<i>Vaccinium microcarpum</i>		34.2	49, 49AB
<i>Sphagnum compactum</i>	Dm	32.3	40
<i>Rhododendron tomentosum</i>		31.4	40, 40AB
<i>Vaccinium uliginosum</i>	C	27.7	40, 45, 45AA, 49, 49AB
<i>Mylia anomala</i>		26.6	
<i>Sphagnum magellanicum</i>		26.3	40, 49, 49AB

Constant species (5)

<i>Eriophorum vaginatum</i>	Dg, Dm	96.0	18, 18AA, 40, 40AB, 49, 49AB
<i>Sphagnum capillifolium</i> agg.	Dg, Dm	75.0	32BB, 40, 40AB, 49, 49AB
<i>Empetrum nigrum</i>	Dg	54.0	40, 45, 45AA, 49
<i>Vaccinium uliginosum</i>	Dg	53.0	40, 45, 45AA, 49, 49AB
<i>Sphagnum fuscum</i>	Dg, Dm	47.0	40, 49

Dominant species (6)

<i>Sphagnum capillifolium</i> agg.	Dg, C	21.0	32BB, 32CD, 40, 40AB, 45, 45AB, 47AA, 49, 49AB
<i>Eriophorum vaginatum</i>	Dg, C	16.0	40, 40AB, 49, 49AB
<i>Sphagnum compactum</i>	Dg	9.0	40, 40AB
<i>Sphagnum fuscum</i>	Dg, C	7.0	40, 49, 49AB
<i>Sphagnum girgensohnii</i>		4.0	40, 47AA, 49, 49AB
<i>Calluna vulgaris</i>		4.0	45, 45AA, 47AB, 48, 48AA, 48AC

Alliance 40AB *Sphagnion medii***Submontane and montane raised bogs**

No. of relevés: 89

Diagnostic species (6)

<i>Eriophorum vaginatum</i>	C, Dm	39.8	18, 18AA, 40, 40AA, 49, 49AB
<i>Vaccinium oxycoccos</i>	C	25.8	16BA, 18, 18AA, 40, 49
<i>Polytrichum commune</i>	C, Dm	25.7	18, 18AA, 32CD, 40
<i>Rhododendron tomentosum</i>		25.1	40, 40AA
<i>Carex pauciflora</i>		24.5	32BB, 40, 49
<i>Andromeda polifolia</i>		24.1	32BB, 40

Constant species (5)

<i>Eriophorum vaginatum</i>	Dg, Dm	90.0	18, 18AA, 40, 40AA, 49, 49AB
<i>Vaccinium oxycoccos</i>	Dg	57.0	16BA, 18, 18AA, 32BB, 32CD, 40, 49, 49AB
<i>Polytrichum commune</i>	Dg, Dm	54.0	18, 18AA, 32CD, 40, 49
<i>Sphagnum capillifolium</i> agg.	Dm	51.0	32BB, 40, 40AA, 49, 49AB

<i>Carex nigra</i>		49.0	16BA, 18, 18AA, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 40, 49
Dominant species (7)			
<i>Eriophorum vaginatum</i>	Dg, C	17.0	40, 40AA, 49, 49AB
<i>Sphagnum capillifolium</i> agg.	C	7.0	32BB, 32CD, 40, 40AA, 45, 45AB, 47AA, 49, 49AB
<i>Sphagnum recurvum</i> agg.		6.0	16, 16BA, 18, 18AA, 32, 32BB, 32BE, 32CD, 40, 49, 49AB
<i>Polytrichum commune</i>	Dg, C	6.0	40, 49, 49AB
<i>Sphagnum palustre</i> agg.		3.0	32BB, 32CD
<i>Sphagnum compactum</i>		3.0	40, 40AA
<i>Molinia caerulea</i> agg.		3.0	01BA, 17BC, 18, 18AA, 26, 26AA

Class 41 *Charetea fragilis*

Freshwater stonewort-dominated submerged macro-algal beds

No. of relevés: 11

Diagnostic species (10)

<i>Chara fragilis</i>	C, Dm	83.8	41BA
<i>Potamogeton pusillus</i> agg.	C	49.4	24AC, 41BA
<i>Nitellopsis obtusa</i>	Dm	42.3	41BA
<i>Chara hispida</i>	Dm	41.9	41BA
<i>Zannichellia palustris</i>		36.8	
<i>Ranunculus trichophyllus</i>		36.5	41BA
<i>Typha latifolia</i>	C	34.5	
<i>Alopecurus aequalis</i>	C	33.5	
<i>Najas marina</i>		32.5	24AC
<i>Potamogeton pectinatus</i>		27.1	24, 24AC

Constant species (6)

<i>Chara fragilis</i>	Dg, Dm	73.0	41BA
<i>Potamogeton pusillus</i> agg.	Dg	36.0	24AC
<i>Typha latifolia</i>	Dg	27.0	
<i>Lemna minor</i>		27.0	15, 15AA, 15BA, 15CA, 24
<i>Alopecurus aequalis</i>	Dg	27.0	
<i>Alisma plantago-aquatica</i>		27.0	12AD

Dominant species (3)

<i>Chara fragilis</i>	Dg, C	55.0	24AB, 41BA
<i>Chara hispida</i>	Dg	18.0	41BA
<i>Nitellopsis obtusa</i>	Dg	9.0	41BA

Alliance 41BA *Charion fragilis*

Freshwater stonewort communities of permanent water bodies

No. of relevés: 11

Diagnostic species (5)

<i>Chara fragilis</i>	C, Dm	79.3	41
<i>Nitellopsis obtusa</i>	Dm	42.5	41
<i>Chara hispida</i>	Dm	38.9	41
<i>Potamogeton pusillus</i> agg.		31.7	24AC, 41
<i>Ranunculus trichophyllus</i>		25.4	41

Constant species (1)

<i>Chara fragilis</i>	Dg, Dm	73.0	41
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Dominant species (3)

<i>Chara fragilis</i>	Dg, C	55.0	24AB, 41
<i>Chara hispida</i>	Dg	18.0	41
<i>Nitellopsis obtusa</i>	Dg	9.0	41

Class 42 *Carici rupestris-Kobresietea bellardii*

Arctic-alpine grasslands and dwarf-shrub heaths of windward ridges and edges on neutral soils

No. of relevés: 485

Diagnostic species (69)

<i>Silene acaulis</i>	C, Dm	72.1	36BA, 42AA, 42AB
<i>Gagea serotina</i>	C	66.2	36BA, 42AA, 42AB
<i>Minuartia sedoides</i>	C	63.1	42AA, 42AB
<i>Ligusticum mutellinoides</i>	C	61.7	42AA, 42AB
<i>Saxifraga moschata</i>	C	61.5	36BA, 42AA, 42AB
<i>Salix retusa</i> agg.	C, Dm	61.4	42AB
<i>Pedicularis oederi</i>	C	59.4	30BA, 42AA, 42AB
<i>Luzula spicata</i>	C	58.8	42AA, 42AB
<i>Cerastium eriophorum</i>	C	55.6	42AA
<i>Bistorta vivipara</i>	C	55.5	06AA, 30BA, 42AA, 42AB
<i>Carex fuliginosa</i>	C	54.4	42AA
<i>Primula minima</i>	C	53.3	13, 42AA, 42AB
<i>Minuartia pauciflora</i>	C	47.9	42AA
<i>Festuca supina</i>	C	47.2	13, 13AA, 36BA, 42AA, 42AB, 45, 45AA
<i>Pedicularis verticillata</i>	C	46.1	42AB
<i>Campanula rotundifolia</i> agg.	C	45.3	42AA
<i>Antennaria carpatica</i>		45.2	42AA, 42AB
<i>Bartsia alpina</i>	C	45.1	06AA, 06AC, 42AB
<i>Festuca versicolor</i>	C, Dm	45.0	03AA, 06, 06AA, 06AC, 42AA
<i>Rhodiola rosea</i>	C	43.7	30BA, 36AA
<i>Oreochloa disticha</i>	C	42.6	13, 13AA, 42AB, 45, 45AA
<i>Thamnotia vermicularis</i>	C	42.0	42AA
<i>Doronicum stiriacum</i>	C	42.0	36BA, 42AB
<i>Saxifraga oppositifolia</i>		41.2	36BA
<i>Sanionia uncinata</i>	C	40.4	36BA, 42AB
<i>Gentiana frigida</i>	C	40.3	36BA, 42AB
<i>Erigeron uniflorus</i>		38.1	42AB
<i>Campanula alpina</i>	C	36.6	13, 13AA, 42AB, 45, 45AA
<i>Pohlia cruda</i>		36.1	36BA
<i>Carex atrata</i> agg.	C	35.9	42AA
<i>Saxifraga hieraciifolia</i>		35.7	36BA, 42AA
<i>Juncus trifidus</i>	C	35.5	13, 13AA, 42AB, 45, 45AA
<i>Polytrichum alpinum</i>	C	35.4	13, 36BA
<i>Saxifraga paniculata</i>	C	35.2	06, 42AA
<i>Myosotis alpestris</i>	C	35.1	30BA, 36AA, 42AA
<i>Cetraria cucullata</i>	C	34.2	42AB
<i>Saussurea pygmaea</i>		33.9	42AB
<i>Pogonatum urnigerum</i>		33.8	36BA, 42AB
<i>Pulsatilla scherfelii</i>	C	33.3	13, 42AB, 45AA
<i>Dianthus glacialis</i>		33.3	42AA
<i>Saxifraga bryoides</i>		32.8	36BA
<i>Androsace chamaejasme</i>		32.6	06AA, 42AA
<i>Hedysarum hedysaroides</i>		32.4	42AA
<i>Cetraria islandica</i>	C, Dm	32.4	13, 13AA, 42AA, 45, 45AA
<i>Salix reticulata</i>		31.9	30BA, 42AA
<i>Oxytropis halleri</i>		30.9	42AA
<i>Mnium thomsonii</i>		30.8	42AA
<i>Huperzia selago</i>	C	30.8	42AB
<i>Cetraria nivalis</i>		30.4	42AB
<i>Agrostis alpina</i>		28.5	42AA
<i>Saussurea alpina</i>		28.3	42AA

<i>Arabidopsis neglecta</i>		27.7	36BA
<i>Potentilla crantzii</i>		27.6	
<i>Carex sempervirens</i> ¹⁸	C	27.2	06, 06AC, 13
<i>Thymus alpestris</i>		27.1	
<i>Luzula alpinopilosa</i>	C	26.7	13, 30, 30AA, 30AB, 36BA
<i>Vulpicida tubulosus</i>		26.6	06AA, 42AA
<i>Comastoma tenellum</i>		26.6	42AA
<i>Alectoria ochroleuca</i>		26.3	13
<i>Ranunculus breyninus</i>	C	26.2	06, 42AA
<i>Scorzoneroides pseudotaraxaci</i>		26.1	30BA
<i>Saxifraga retusa</i>		25.9	42AB
<i>Racomitrium lanuginosum</i>		25.9	
<i>Artemisia eriantha</i>		25.6	42AA
<i>Callianthemum coriandrifolium</i>		25.4	
<i>Tritomaria quinqueidentata</i>		25.3	42AA
<i>Soldanella carpatica</i>	C	25.3	
<i>Pyrola carpatica</i>		25.2	42AA
<i>Saxifraga androsacea</i>		24.2	30BA, 36BA
Constant species (47)			
<i>Silene acaulis</i>	Dg, Dm	78.0	06AA, 36BA, 42AA, 42AB
<i>Bistorta vivipara</i>	Dg	77.0	06, 06AA, 06AC, 30BA, 42AA, 42AB
<i>Festuca supina</i>	Dg	76.0	13, 13AA, 36BA, 42AA, 42AB, 45, 45AA
<i>Oreochloa disticha</i>	Dg	66.0	13, 13AA, 36BA, 42AB, 45, 45AA
<i>Primula minima</i>	Dg	65.0	13, 36BA, 42AA, 42AB
<i>Cetraria islandica</i>	Dg, Dm	63.0	06AA, 13, 13AA, 42AA, 42AB, 44, 45, 45AA, 45AB
<i>Campanula alpina</i>	Dg	61.0	13, 13AA, 42AA, 42AB, 45, 45AA
<i>Campanula rotundifolia</i> agg. ¹⁹	Dg	58.0	42AA, 42AB
<i>Gagea serotina</i>	Dg	57.0	36BA, 42AA, 42AB
<i>Saxifraga moschata</i>	Dg	56.0	36BA, 42AA, 42AB
<i>Pedicularis oederi</i>	Dg	56.0	30BA, 42AA, 42AB
<i>Salix retusa</i> agg.	Dg, Dm	55.0	42AB
<i>Festuca versicolor</i>	Dg, Dm	55.0	03AA, 06, 06AA, 06AC, 36AA, 42AA, 42AB
<i>Juncus trifidus</i>	Dg	54.0	13, 13AA, 42AA, 42AB, 45, 45AA
<i>Soldanella carpatica</i>	Dg	53.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42AA, 42AB, 46, 47, 47AA
<i>Saxifraga paniculata</i>	Dg	53.0	03AA, 06, 06AA, 08, 42AA, 42AB, 46
<i>Minuartia sedoides</i>	Dg	52.0	42AA, 42AB
<i>Rhodiola rosea</i>	Dg	50.0	20CB, 30BA, 36AA, 36BA, 42AA, 42AB
<i>Bartsia alpina</i>	Dg	50.0	06, 06AA, 06AC, 30BA, 42AA, 42AB
<i>Doronicum stiriacum</i>	Dg	49.0	13, 30, 36BA, 42AB
<i>Pedicularis verticillata</i>	Dg	48.0	06AA, 42AA, 42AB
<i>Ligusticum mutellinoides</i>	Dg	48.0	42AA
<i>Carex sempervirens</i>	Dg	46.0	06, 06AB, 06AC, 13, 13AA, 20CE, 42AA, 42AB
<i>Luzula alpinopilosa</i>	Dg	45.0	13, 13AA, 19AC, 20CB, 30, 30AA, 30AB, 36BA, 42AB
<i>Tortella tortuosa</i>		42.0	03, 03AA, 03AB, 06, 06AA, 06AC, 08, 08AA, 42AA

¹⁸ In this class *Carex *silicicola* Holub strongly prevails.

¹⁹ In this class *Campanula tatrae* occurs.

<i>Sanionia uncinata</i>	Dg	41.0	36BA, 42AB
<i>Polytrichum alpinum</i>	Dg	40.0	13, 36BA, 42AB
<i>Luzula spicata</i>	Dg	40.0	42AA
<i>Thamnotia vermicularis</i>	Dg	39.0	42AA
<i>Cerastium eriophorum</i>	Dg	39.0	42AA
<i>Pulsatilla scherfelii</i>	Dg	38.0	13, 42AB
<i>Hylocomium splendens</i>		38.0	08, 26BA, 39, 42AA, 44, 44AA, 48AD
<i>Huperzia selago</i>	Dg	37.0	42AB, 45
<i>Galium pumilum</i> agg.		36.0	03AA, 06, 06AA, 06AB, 06AC, 08, 08AA, 17EB, 20CE, 36AA, 42AA, 46
<i>Carex fuliginosa</i>	Dg	35.0	42AA
<i>Minuartia pauciflora</i>	Dg	33.0	42AA
<i>Vaccinium vitis-idaea</i>		32.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Carex atrata</i> agg.	Dg	29.0	42AA
<i>Ranunculus breyninus</i>	Dg	28.0	06, 06AC, 36AA, 42AA
<i>Myosotis alpestris</i>	Dg	28.0	30BA, 36AA, 42AA
<i>Gentiana frigida</i>	Dg	28.0	
<i>Avenula versicolor</i>		28.0	13, 13AA, 45, 45AA, 47AA
<i>Cladonia gracilis</i> agg.		27.0	13, 45, 45AA
<i>Rhytidium rugosum</i>		26.0	08, 08AA, 42AA
<i>Poa alpina</i>		26.0	06AC, 17EB, 19AC, 30BA, 36AA, 36BA, 42AA
<i>Phyteuma orbiculare</i>		26.0	03, 06, 06AA, 06AB, 06AC, 08, 08AA, 20CD, 20CE, 42AA, 46
<i>Cetraria cucullata</i>	Dg	26.0	
Dominant species (3)			
<i>Salix retusa</i> agg.	Dg, C	16.0	30BA, 42AB
<i>Festuca versicolor</i>	Dg, C	7.0	06, 06AA, 06AC, 42AA, 42AB
<i>Silene acaulis</i>	Dg, C	6.0	42AA, 42AB

Alliance 42AA *Oxytropido-Elyinion*

Alpine xero-cryophilous swards on windswept ridges and summit edges on neutral and moderately basic soils

No. of relevés: 122

Diagnostic species (74)

<i>Cerastium eriophorum</i>	C	71.2	42
<i>Carex fuliginosa</i>	C	66.8	42
<i>Androsace chamaejasme</i>	C	63.1	06AA, 42
<i>Oxytropis halleri</i>	C	61.1	42
<i>Minuartia sedoides</i>	C	60.5	42, 42AB
<i>Minuartia pauciflora</i>	C	60.0	42
<i>Hedysarum hedysaroides</i>	C	56.1	42
<i>Gagea serotina</i>	C	55.6	36BA, 42, 42AB
<i>Ligusticum mutellinoides</i>	C	54.5	42, 42AB
<i>Comastoma tenellum</i>		53.7	42
<i>Pedicularis oederi</i>	C	50.9	30BA, 42, 42AB
<i>Silene acaulis</i>	C, Dm	49.8	36BA, 42, 42AB
<i>Saussurea alpina</i>		49.3	42
<i>Helianthemum alpestre</i>	C	47.9	06AA
<i>Pyrola carpatica</i>		47.3	42
<i>Vulpicida tubulosus</i>		46.7	06AA, 42
<i>Dactylina madreporeiformis</i>		44.8	
<i>Carex capillaris</i>		44.4	

<i>Salix reticulata</i>	C, Dm	43.8	30BA, 42
<i>Luzula spicata</i>	C	43.7	42, 42AB
<i>Mnium thomsonii</i>	C	43.2	42
<i>Myosotis alpestris</i>	C	42.4	30BA, 36AA, 42
<i>Festuca versicolor</i>	C, Dm	42.2	03AA, 06, 06AA, 06AC, 42
<i>Saxifraga moschata</i>	C	42.0	36BA, 42, 42AB
<i>Luzula sudetica</i>		41.9	
<i>Thamnotia vermicularis</i>	C	40.1	42
<i>Oxytropis carpatica</i>		38.9	
<i>Bistorta vivipara</i>	C	38.9	06AA, 30BA, 42, 42AB
<i>Ranunculus breyninus</i>	C	38.3	06, 42
<i>Entodon concinnus</i>		38.0	
<i>Antennaria carpatica</i>		37.9	42, 42AB
<i>Draba siliquosa</i>		37.6	
<i>Astragalus frigidus</i>		37.5	
<i>Dianthus glacialis</i>		36.3	42
<i>Dicranum spadiceum</i>		36.2	
<i>Myurella julacea</i>		35.9	
<i>Carex atrata</i> agg.	C	35.6	42
<i>Gentiana nivalis</i>		34.2	
<i>Dryas octopetala</i>	C	34.2	06, 06AA
<i>Saxifraga paniculata</i>	C	34.1	06, 42
<i>Campanula rotundifolia</i> agg.	C	33.2	42
<i>Plagiobryum demissum</i>		32.4	
<i>Erigeron hungaricus</i>		32.1	
<i>Agrostis alpina</i>		31.7	42
<i>Saxifraga wahlenbergii</i>	C	31.6	30BA
<i>Kobresia myosuroides</i>		31.4	
<i>Hypnum hamulosum</i>		30.6	
<i>Scapania cuspiduligera</i>		30.5	
<i>Primula minima</i>	C	29.8	13, 42, 42AB
<i>Plagiochila porelloides</i>		29.8	
<i>Saxifraga aizoides</i>	C	28.9	06AA, 30BA
<i>Galium pumilum</i> agg.	C	28.9	06, 08
<i>Physconia muscigena</i>		28.5	
<i>Tritomaria quinqueidentata</i>		28.0	42
<i>Arenaria tenella</i>		27.9	06AA, 36AA
<i>Sesleria tatrae</i>	C	27.7	06AC, 20CE, 36AA, 46
<i>Bupleurum ranunculoides</i>		27.7	
<i>Ditrichum flexicaule</i>	C	27.6	03, 03AA, 06AA, 08, 08AA
<i>Astragalus australis</i>		27.5	
<i>Saxifraga hieraciifolia</i>		27.3	36BA, 42
<i>Rhytidium rugosum</i>	C	27.3	08, 08AA
<i>Didymodon asperifolius</i>		27.1	
<i>Ctenidium procerrimum</i>		26.9	06AA
<i>Astragalus norvegicus</i>		26.5	
<i>Draba fladnizensis</i>		26.1	
<i>Phaeorrhiza nimbose</i>		25.9	
<i>Mycobilimbia lobulata</i>		25.5	
<i>Artemisia eriantha</i>		25.2	42
<i>Encalypta alpina</i>		25.1	
<i>Campylopus schimperi</i>		25.1	
<i>Didymodon giganteus</i>		24.7	
<i>Cetraria islandica</i>	C	24.3	13, 13AA, 42, 45, 45AA
<i>Ptilidium ciliare</i>		24.2	39CA

<i>Festuca supina</i>	C	24.2	13, 13AA, 36BA, 42, 42AB, 45, 45AA
Constant species (49)			
<i>Bistorta vivipara</i>	Dg	98.0	06, 06AA, 06AC, 30BA, 42, 42AB
<i>Festuca versicolor</i>	Dg, Dm	97.0	03AA, 06, 06AA, 06AC, 36AA, 42, 42AB
<i>Silene acaulis</i>	Dg, Dm	93.0	06AA, 36BA, 42, 42AB
<i>Galium pumilum</i> agg.	Dg	91.0	03AA, 06, 06AA, 06AB, 06AC, 08, 08AA, 17EB, 20CE, 36AA, 42, 46
<i>Cerastium eriophorum</i>	Dg	91.0	42
<i>Pedicularis oederi</i>	Dg	89.0	30BA, 42, 42AB
<i>Minuartia sedoides</i>	Dg	86.0	42, 42AB
<i>Gagea serotina</i>	Dg	84.0	36BA, 42, 42AB
<i>Androsace chamaejasme</i>	Dg	82.0	
<i>Saxifraga paniculata</i>	Dg	79.0	03AA, 06, 06AA, 08, 42, 42AB, 46
<i>Ranunculus breyninus</i>	Dg	79.0	06, 06AC, 36AA, 42
<i>Campanula rotundifolia</i> agg.	Dg	79.0	42, 42AB
<i>Minuartia pauciflora</i>	Dg	76.0	42
<i>Myosotis alpestris</i>	Dg	75.0	30BA, 36AA, 42
<i>Ligusticum mutellinoides</i>	Dg	73.0	42
<i>Carex fuliginosa</i>	Dg	72.0	42
<i>Saxifraga moschata</i>	Dg	70.0	36BA, 42, 42AB
<i>Tortella tortuosa</i>		69.0	03, 03AA, 03AB, 06, 06AA, 06AC, 08, 08AA, 42
<i>Poa alpina</i>		68.0	06AC, 17EB, 19AC, 30BA, 36AA, 36BA, 42
<i>Cetraria islandica</i>	Dg	66.0	06AA, 13, 13AA, 42, 42AB, 44, 45, 45AA, 45AB
<i>Salix reticulata</i>	Dg, Dm	61.0	30BA
<i>Sesleria tatrae</i>	Dg	60.0	06AC, 20CE, 30BA, 36AA, 46, 46AA
<i>Helianthemum alpestre</i>	Dg	60.0	
<i>Hedysarum hedysaroides</i>	Dg	59.0	
<i>Thamnia vermicularis</i>	Dg	57.0	42
<i>Phyteuma orbiculare</i>		57.0	03, 06, 06AA, 06AB, 06AC, 08, 08AA, 20CD, 20CE, 42, 46
<i>Rhodiola rosea</i>		55.0	20CB, 30BA, 36AA, 36BA, 42, 42AB
<i>Festuca supina</i>	Dg	55.0	13, 13AA, 36BA, 42, 42AB, 45, 45AA
<i>Primula minima</i>	Dg	53.0	13, 36BA, 42, 42AB
<i>Soldanella carpatica</i>		52.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AB, 46, 47, 47AA
<i>Ditrichium flexicaule</i>	Dg	52.0	03, 03AA, 06, 06AA, 08, 08AA
<i>Hylocomium splendens</i>	Dm	51.0	08, 26BA, 39, 42, 44, 44AA, 48AD
<i>Carex atrata</i> agg.	Dg	51.0	42
<i>Carex sempervirens</i>		50.0	06, 06AB, 06AC, 13, 13AA, 20CE, 42, 42AB
<i>Swertia perennis</i>		47.0	20CE, 30BA
<i>Dryas octopetala</i>	Dg	47.0	06AA
<i>Campanula alpina</i>		46.0	13, 13AA, 42, 42AB, 45, 45AA
<i>Luzula spicata</i>	Dg	45.0	42
<i>Rhytidium rugosum</i>	Dg	44.0	08, 08AA, 42
<i>Mnium thomsonii</i>	Dg	44.0	
<i>Saxifraga wahlenbergii</i>	Dg	43.0	30BA
<i>Saxifraga aizoides</i>	Dg	43.0	06AA, 30BA
<i>Rhytidadelphus triquetrus</i>		43.0	08
<i>Pedicularis verticillata</i>		43.0	06AA, 42, 42AB
<i>Juncus trifidus</i>		43.0	13, 13AA, 42, 42AB, 45, 45AA

<i>Bartsia alpina</i>		43.0	06, 06AA, 06AC, 30BA, 42, 42AB
<i>Carex firma</i>	Dm	42.0	03, 03AA, 06, 06AA
<i>Ranunculus alpestris</i>		41.0	06AA, 30BA
<i>Oxytropis halleri</i>	Dg	41.0	
Dominant species (4)			
<i>Festuca versicolor</i>	Dg, C	9.0	06, 06AA, 06AC, 42, 42AB
<i>Carex firma</i>	C	4.0	03AA, 06, 06AA
<i>Silene acaulis</i>	Dg, C	3.0	42, 42AB
<i>Hylocomium splendens</i>	C	3.0	26BA, 45AB

Alliance 42AB *Festucion versicoloris*

Alpine grassy, cushion-forming and dwarf-shrub communities on steep terraced slopes and stable screes on mylonites

No. of relevés: 363

Diagnostic species (28)

<i>Salix retusa</i> agg. ²⁰	C, Dm	46.1	42
<i>Primula minima</i>	C	38.9	13, 42, 42AA
<i>Silene acaulis</i>	C, Dm	38.8	36BA, 42, 42AA
<i>Erigeron uniflorus</i>		38.4	42
<i>Oreochloa disticha</i>	C	37.0	13, 13AA, 42, 45, 45AA
<i>Festuca supina</i>	C	37.0	13, 13AA, 36BA, 42, 42AA, 45, 45AA
<i>Luzula spicata</i>		36.5	42, 42AA
<i>Doronicum stiriacum</i>	C	33.7	36BA, 42
<i>Gentiana frigida</i>		33.0	36BA, 42
<i>Saussurea pygmaea</i>		30.8	42
<i>Gagea serotina</i>	C	30.8	36BA, 42, 42AA
<i>Saxifraga moschata</i>	C	30.1	36BA, 42, 42AA
<i>Pulsatilla scherfelii</i>	C	29.8	13, 42, 45AA
<i>Campanula alpina</i>	C	29.5	13, 13AA, 42, 45, 45AA
<i>Juncus trifidus</i>	C	29.1	13, 13AA, 42, 45, 45AA
<i>Ligusticum mutellinoides</i>		28.9	42, 42AA
<i>Minuartia sedoides</i>	C	28.4	42, 42AA
<i>Bistorta vivipara</i>	C	27.4	06AA, 30BA, 42, 42AA
<i>Pogonatum urnigerum</i>		26.8	36BA, 42
<i>Huperzia selago</i>	C	26.7	42
<i>Pedicularis verticillata</i>	C	26.1	42
<i>Cetraria nivalis</i>		25.8	42
<i>Bartsia alpina</i>	C	25.8	06AA, 06AC, 42
<i>Cetraria cucullata</i>		25.7	42
<i>Pedicularis oederi</i>	C	25.6	30BA, 42, 42AA
<i>Sanionia uncinata</i>	C	24.9	36BA, 42
<i>Saxifraga retusa</i>		24.6	42
<i>Antennaria carpatica</i>		24.0	42, 42AA

Constant species (27)

<i>Festuca supina</i>	Dg	83.0	13, 13AA, 36BA, 42, 42AA, 45, 45AA
<i>Oreochloa disticha</i>	Dg	76.0	13, 13AA, 36BA, 42, 45, 45AA
<i>Silene acaulis</i>	Dg, Dm	72.0	06AA, 36BA, 42, 42AA
<i>Bistorta vivipara</i>	Dg	70.0	06, 06AA, 06AC, 30BA, 42, 42AA
<i>Primula minima</i>	Dg	69.0	13, 36BA, 42, 42AA
<i>Campanula alpina</i>	Dg	66.0	13, 13AA, 42, 42AA, 45, 45AA
<i>Salix retusa</i> agg.	Dg, Dm	65.0	42

²⁰ In this alliance *Salix kitaibeliana* prevails.

<i>Cetraria islandica</i>	Dm	62.0	06AA, 13, 13AA, 42, 42AA, 44, 45, 45AA, 45AB
<i>Doronicum stiriacum</i>	Dg	60.0	13, 30, 36BA, 42
<i>Juncus trifidus</i>	Dg	58.0	13, 13AA, 42, 42AA, 45, 45AA
<i>Soldanella carpatica</i>		53.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 46, 47, 47AA
<i>Bartsia alpina</i>	Dg	52.0	06, 06AA, 06AC, 30BA, 42, 42AA
<i>Saxifraga moschata</i>	Dg	51.0	36BA, 42, 42AA
<i>Luzula alpinopilosa</i>		51.0	13, 13AA, 19AC, 20CB, 30, 30AA, 30AB, 36BA, 42
<i>Campanula rotundifolia</i> agg.		51.0	42, 42AA
<i>Pedicularis verticillata</i>	Dg	50.0	06AA, 42, 42AA
<i>Rhodiola rosea</i>		48.0	20CB, 30BA, 36AA, 36BA, 42, 42AA
<i>Pulsatilla scherfelii</i>	Dg	47.0	13, 42
<i>Gagea serotina</i>	Dg	47.0	36BA, 42, 42AA
<i>Pedicularis oederi</i>	Dg	45.0	30BA, 42, 42AA
<i>Huperzia selago</i>	Dg	45.0	42, 45
<i>Carex sempervirens</i>		45.0	06, 06AB, 06AC, 13, 13AA, 20CE, 42, 42AA
<i>Saxifraga paniculata</i>		44.0	03AA, 06, 06AA, 08, 42, 42AA, 46
<i>Sanionia uncinata</i>	Dg	44.0	36BA, 42
<i>Festuca versicolor</i>	Dm	42.0	03AA, 06, 06AA, 06AC, 36AA, 42, 42AA
<i>Polytrichum alpinum</i>		41.0	13, 36BA, 42
<i>Minuartia sedoides</i>	Dg	41.0	42, 42AA
Dominant species (4)			
<i>Salix retusa</i> agg.	Dg, C	22.0	30BA, 42
<i>Silene acaulis</i>	Dg, C	7.0	42, 42AA
<i>Festuca versicolor</i>	C	7.0	06, 06AA, 06AC, 42, 42AA
<i>Cetraria islandica</i>	C	3.0	13, 13AA, 30BA, 45, 45AA, 45AB

Class 43 *Galio-Urticetea*

Nitrophilous fringe ruderal and semi-natural communities of perennials on moderately moist to wet soils

No. of relevés: 1883

Diagnostic species (3)

<i>Urtica dioica</i>	C, Dm	30.7	31
<i>Galium aparine</i>	C	24.6	29
<i>Anthriscus sylvestris</i>	Dm	24.5	43AC

Constant species (8)

<i>Urtica dioica</i>	Dg, Dm	83.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Galium aparine</i>	Dg	48.0	27AC, 28, 28BB, 29, 29AA, 29AB, 31, 31AB, 33BA, 43AA, 43BA
<i>Elytrigia repens</i>		37.0	02, 02AB, 02BA, 29, 33, 33AB, 33BA, 33BB, 43AA, 43AC, 43BA
<i>Artemisia vulgaris</i>		37.0	02, 02AA, 02AB, 02AD, 02BA, 33DA, 33DB, 43AA, 43BA
<i>Poa trivialis</i>		29.0	17BA, 20EA, 31AA, 43AC, 43AD

<i>Dactylis glomerata</i>		28.0	10BA, 10BB, 17, 17AA, 17EA, 20EA, 31AA, 43AC
<i>Ranunculus repens</i>		26.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43AC, 43AD, 43AE
<i>Calystegia sepium</i>	Dm	26.0	01, 31, 31AB, 43BA
Dominant species (11)			
<i>Sambucus ebulus</i>		11.0	07AA, 43AA
<i>Rumex obtusifolius</i>		8.0	02AD, 43AC, 43AD
<i>Chaerophyllum aromaticum</i>		7.0	28BB, 43AC
<i>Urtica dioica</i>	Dg, C	5.0	02AC, 17EC, 28BB, 31, 31AB, 31AC, 36CB, 43AB, 43AD, 43BA
<i>Rumex alpinus</i>		5.0	20, 20EA, 43AE
<i>Impatiens glandulifera</i>		4.0	43BA
<i>Calystegia sepium</i>	C	4.0	43BA
<i>Anthriscus sylvestris</i>	Dg	4.0	43AC
<i>Solidago gigantea</i>		3.0	02AB, 29AA, 43BA
<i>Aster novi-belgii</i> agg.		3.0	31AB, 43BA
<i>Anthriscus cerefolium</i>		3.0	29, 29AB, 43AA

Alliance 43AA *Galio-Alliarion*

Thermophilous nitrophilous semi-natural and ruderal vegetation of forest fringes with higher participation of therophytes and biennials

No. of relevés: 553

Diagnostic species (1)			
<i>Sambucus ebulus</i>	Dm	40.5	
Constant species (4)			
<i>Urtica dioica</i>		69.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AB, 43AC, 43AD, 43AE, 43BA, 46, 46AA
<i>Galium aparine</i>		66.0	27AC, 28, 28BB, 29, 29AA, 29AB, 31, 31AB, 33BA, 43, 43BA
<i>Artemisia vulgaris</i>		50.0	02, 02AA, 02AB, 02AD, 02BA, 33DA, 33DB, 43, 43BA
<i>Elytrigia repens</i>		48.0	02, 02AB, 02BA, 29, 33, 33AB, 33BA, 33BB, 43, 43AC, 43BA
Dominant species (8)			
<i>Sambucus ebulus</i>	Dg	37.0	07AA, 43
<i>Anthriscus cerefolium</i>		11.0	29, 29AB, 43
<i>Chaerophyllum bulbosum</i>		7.0	
<i>Asperugo procumbens</i>		7.0	
<i>Anthriscus caucalis</i>		6.0	
<i>Chelidonium majus</i>		5.0	29, 29AA
<i>Torilis japonica</i>		4.0	
<i>Chaerophyllum temulum</i>		3.0	

Alliance 43AB *Impatiens noli-tangere-Stachyion sylvaticae***Mesophilous and sciophilous forest fringe vegetation in colline to montane belt**

No. of relevés: 141

Diagnostic species (1)*Parietaria officinalis* Dm 26.6 36CB**Constant species (2)***Urtica dioica* Dm 73.0 01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AC, 43AD, 43AE, 43BA, 46, 46AA*Geranium robertianum* Dm 55.0 02AC, 03, 07, 27, 27BC, 27BD, 36, 36CB, 36CC**Dominant species (7)***Parietaria officinalis* Dg 24.0 36CB*Geranium robertianum* C 12.0*Impatiens noli-tangere* 10.0*Impatiens parviflora* 6.0*Brachypodium sylvaticum* 6.0*Urtica dioica* C 5.0 02AC, 17EC, 28BB, 31, 31AB, 31AC, 36CB, 43, 43AD, 43BA*Salvia glutinosa* 3.0**Alliance 43AC *Aegopodium podagrariae*****Mesophilous ruderal fringe communities of broad-leaved perennials**

No. of relevés: 413

Diagnostic species (3)*Anthriscus sylvestris* C, Dm 32.7 43*Chaerophyllum aromaticum* C, Dm 29.3*Lamium album* 25.3**Constant species (11)***Urtica dioica* 94.0 01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AD, 43AE, 43BA, 46, 46AA*Anthriscus sylvestris* Dg, Dm 66.0*Dactylis glomerata* 57.0 10BA, 10BB, 17, 17AA, 17EA, 20EA, 31AA, 43*Poa trivialis* 51.0 17BA, 20EA, 31AA, 43, 43AD*Chaerophyllum aromaticum* Dg, Dm 50.0*Ranunculus repens* 49.0 01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AD, 43AE*Elytrigia repens* 48.0 02, 02AB, 02BA, 29, 33, 33AB, 33BA, 33BB, 43, 43AA, 43BA*Heracleum sphondylium* 47.0 20CE, 28AB, 31AA, 46, 46AA*Rumex obtusifolius* Dm 46.0 43AD*Taraxacum* sect. *Ruderalia* 44.0 02, 11CA, 17, 17AA, 17AB, 17BB, 17BE, 17CA, 17DA, 17EA, 17EC, 23, 23AA, 23AB, 29, 29AB, 33, 33DA

<i>Glechoma hederacea</i> agg.		43.0	27BA, 28, 31
Dominant species (6)			
<i>Chaerophyllum aromaticum</i>	Dg, C	30.0	28BB, 43
<i>Rumex obtusifolius</i>	C	20.0	02AD, 43, 43AD
<i>Anthriscus sylvestris</i>	Dg, C	18.0	43
<i>Geranium pratense</i>		6.0	
<i>Aegopodium podagraria</i>		6.0	27BA
<i>Sisymbrium strictissimum</i>		3.0	

Alliance 43AD *Carduo-Urticion dioicae*

Tall-herb nitrophilous hygrophilous communities in montane and subalpine belt

No. of relevés: 176

Diagnostic species (3)			
<i>Chenopodium bonus-henricus</i>	C	39.0	17EC
<i>Rumex obtusifolius</i>	C, Dm	31.4	
<i>Geranium phaeum</i>	C, Dm	26.6	20EA
Constant species (10)			
<i>Urtica dioica</i>	Dm	97.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AE, 43BA, 46, 46AA
<i>Rumex obtusifolius</i>	Dg, Dm	74.0	43AC
<i>Ranunculus repens</i>	Dm	70.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AE
<i>Alchemilla</i> spec. div.		70.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AE, 46, 46AA, 47, 47AC
<i>Veronica chamaedrys</i> agg.		54.0	10BA, 17, 17AA, 17AB, 17EA, 17EB, 25, 25AA, 26, 26AA, 27, 27AA, 27AB, 27AD, 27BB
<i>Stellaria media</i> agg.		47.0	17EC, 29, 29AA, 29AB, 33, 33AA, 33AC, 33BA
<i>Chenopodium bonus-henricus</i>	Dg	44.0	17EC
<i>Poa pratensis</i> agg.		43.0	02AA, 10BA, 10BB, 10CA, 17, 17AA, 17BB, 17BC, 17BD, 17BE, 27AB, 37
<i>Geranium phaeum</i>	Dg, Dm	42.0	
<i>Poa trivialis</i>		41.0	17BA, 20EA, 31AA, 43, 43AC
Dominant species (6)			
<i>Rumex obtusifolius</i>	Dg, C	34.0	02AD, 43, 43AC
<i>Urtica dioica</i>	C	23.0	02AC, 17EC, 28BB, 31, 31AB, 31AC, 36CB, 43, 43AB, 43BA
<i>Carduus personata</i>		15.0	
<i>Geranium phaeum</i>	Dg, C	7.0	
<i>Ranunculus repens</i>	C	3.0	17CA, 17DA
<i>Anthriscus nitidus</i>		3.0	

Alliance 43AE *Rumicion alpini***Strongly nitrophilous ruderal communities of *Rumex alpinus* around sheep folds in montane to subalpine belt**

No. of relevés: 97

Diagnostic species (2)

<i>Rumex alpinus</i>	C, Dm	75.7	
<i>Stellaria nemorum</i>	C, Dm	25.0	19

Constant species (9)

<i>Rumex alpinus</i>	Dg, Dm	100.0	
<i>Urtica dioica</i>		87.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43BA, 46, 46AA
<i>Stellaria nemorum</i>	Dg, Dm	72.0	19, 19AA, 20, 20EA, 39BB, 39BC
<i>Deschampsia cespitosa</i>		70.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 47, 47AB, 47AC
<i>Rumex alpestris</i>		66.0	20, 20CC, 20DA, 39BC
<i>Alchemilla</i> spec. div.		53.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 46, 46AA, 47, 47AC
<i>Ranunculus repens</i>		47.0	01, 01BA, 04, 04AA, 11AA, 11AC, 17, 17BA, 17BB, 17BD, 17BE, 17CA, 17CD, 17DA, 17EC, 19BC, 20EA, 22, 22BB, 31, 31AA, 31AB, 31AC, 33AB, 43, 43AC, 43AD
<i>Hypericum maculatum</i>		43.0	07, 07AC, 17EA, 17EB, 20, 20CC, 20CE, 20DA, 46, 46AA, 47, 47AB, 47AC
<i>Rubus idaeus</i>		41.0	07, 07AA, 07AC, 25, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44, 46, 46AA

Dominant species (2)

<i>Rumex alpinus</i>	Dg, C	96.0	20, 20EA, 43
<i>Stellaria nemorum</i>	Dg, C	4.0	

Alliance 43BA *Senecionion fluviatilis***Natural and anthropogenous nitrophilous communities of tall herbs and herb-climbers along periodically inundated riverbanks**

No. of relevés: 503

Diagnostic species (4)

<i>Calystegia sepium</i>	C, Dm	39.4	01, 31, 31AB
<i>Impatiens glandulifera</i>	Dm	33.2	31
<i>Echinocystis lobata</i>	Dm	29.4	
<i>Carduus crispus</i>	Dm	26.5	

Constant species (6)

<i>Urtica dioica</i>	Dm	86.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 46, 46AA
<i>Calystegia sepium</i>	Dg, Dm	77.0	01, 31, 31AB, 43
<i>Galium aparine</i>		66.0	27AC, 28, 28BB, 29, 29AA, 29AB, 31, 31AB, 33BA, 43, 43AA

<i>Rubus caesius</i>	Dm	59.0	01, 27BA, 31, 31AB, 31AC
<i>Artemisia vulgaris</i>		46.0	02, 02AA, 02AB, 02AD, 02BA, 33DA, 33DB, 43, 43AA
<i>Elytrigia repens</i>		41.0	02, 02AB, 02BA, 29, 33, 33AB, 33BA, 33BB, 43, 43AA, 43AC
Dominant species (12)			
<i>Impatiens glandulifera</i>	Dg	14.0	43
<i>Calystegia sepium</i>	Dg, C	14.0	43
<i>Aster novi-belgii</i> agg.		13.0	31AB, 43
<i>Solidago gigantea</i>		12.0	02AB, 29AA, 43
<i>Rubus caesius</i>	C	8.0	01AA, 31, 31AB, 31AC
<i>Helianthus tuberosus</i>		6.0	
<i>Carduus crispus</i>	Dg	6.0	
<i>Urtica dioica</i>	C	5.0	02AC, 17EC, 28BB, 31, 31AB, 31AC, 36CB, 43, 43AB, 43AD
<i>Solidago canadensis</i>		5.0	27BA
<i>Epilobium hirsutum</i>		5.0	
<i>Echinocystis lobata</i>	Dg	5.0	
<i>Senecio sarracenicus</i>		4.0	

Class 44 *Roso pendulinae-Pinetea mugo***Zonal subalpine *Pinus mugo* shrub communities**

No. of relevés: 611

Diagnostic species (9)

<i>Pinus mugo</i>	C, Dm	61.8	44AA, 49, 49AB
<i>Dicranum scoparium</i>	C, Dm	36.8	39, 39CA
<i>Athyrium distentifolium</i>	C	35.4	20DA, 39BC
<i>Calamagrostis villosa</i>	C, Dm	30.8	18, 20CA, 39
<i>Vaccinium myrtillus</i>	C, Dm	29.6	39, 45, 49
<i>Homogyne alpina</i>	C	27.7	
<i>Dryopteris carthusiana</i> agg. ²¹	C	26.8	01, 39, 39AA, 39BA, 39BB, 39BC
<i>Avenella flexuosa</i>	C	26.7	
<i>Ptilidium pulcherrimum</i>		25.2	

Constant species (16)

<i>Pinus mugo</i>	Dg, Dm	99.0	44AA, 49, 49AB
<i>Vaccinium myrtillus</i>	Dg, Dm	92.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Avenella flexuosa</i>	Dg	74.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Dicranum scoparium</i>	Dg, Dm	72.0	03CD, 08, 18, 26, 26BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44AA
<i>Homogyne alpina</i>	Dg	66.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Calamagrostis villosa</i>	Dg, Dm	62.0	18, 18AA, 20, 20CA, 20DA, 39, 39AA,

²¹ In this class *Dryopteris dilatata* and *D. expansa* strongly prevail.

			39BA, 39BB, 39BC, 44AA, 45, 46, 46AA
<i>Vaccinium vitis-idaea</i>		56.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44AA, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Pleurozium schreberi</i>		48.0	18, 18AA, 26, 26BA, 39, 39CA, 44AA, 45, 45AB, 48AD, 49
<i>Dryopteris carthusiana</i> agg.	Dg	48.0	01, 01BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44AA
<i>Sorbus aucuparia</i>		43.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44AA, 46, 46AA
<i>Hylocomium splendens</i>		42.0	08, 26BA, 39, 42, 42AA, 44AA, 48AD
<i>Picea abies</i>		39.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 46, 46AA, 48AD, 49, 49AB
<i>Rubus idaeus</i>		32.0	07, 07AA, 07AC, 25, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 43AE, 46, 46AA
<i>Oxalis acetosella</i>		31.0	27, 27BC, 27BD, 27BE, 28AB, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD
<i>Athyrium distentifolium</i>	Dg	30.0	20DA, 39BC
<i>Cetraria islandica</i>	Dm	27.0	06AA, 13, 13AA, 42, 42AA, 42AB, 45, 45AA, 45AB
Dominant species (4)			
<i>Pinus mugo</i>	Dg, C	91.0	44AA, 49, 49AB
<i>Vaccinium myrtillus</i>	Dg, C	17.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44AA, 45, 45AB, 47, 47AB, 48, 48AD, 49, 49AB
<i>Calamagrostis villosa</i>	Dg, C	4.0	18, 18AA, 20, 20CA, 20CC, 39, 39AA, 39BC, 44AA, 46, 46AA
<i>Dicranum scoparium</i>	Dg, C	3.0	26BA, 44AA

Alliance 44AA *Pinion mugo***Zonal subalpine *Pinus mugo* shrub communities**

No. of relevés: 611

Diagnostic species (1)*Pinus mugo* C, Dm 51.2 44, 49, 49AB**Constant species (11)***Pinus mugo* Dg, Dm 99.0 44, 49, 49AB*Vaccinium myrtillus* Dm 92.0 08, 13, 13AA, 18, 18AA, 20CA, 27BE,
39, 39AA, 39BA, 39BB, 39BC, 39BD,
39CA, 40, 44, 45, 45AA, 45AB, 46,
46AA, 47, 47AA, 47AB, 47AC, 48AD,
49, 49AB*Avenella flexuosa* 74.0 13, 13AA, 20, 20CA, 20CC, 26, 26AA,
27AD, 37BA, 37BB, 39, 39AA, 39BA,
39BB, 39BC, 44, 45, 45AA, 45AB, 47,
47AA, 47AB, 48, 48AA, 48AD, 50,
50AB*Dicranum scoparium* Dm 72.0 03CD, 08, 18, 26, 26BA, 39, 39AA, 39BA,
39BB, 39BC, 39BD, 39CA, 44*Homogyne alpina* 66.0 13, 13AA, 20, 20CA, 20CB, 20DA, 30,
30AB, 39, 39AA, 39BA, 39BB, 39BC,

			44, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Calamagrostis villosa</i>	Dm	62.0	18, 18AA, 20, 20CA, 20DA, 39, 39AA, 39BA, 39BB, 39BC, 44, 45, 46, 46AA
<i>Vaccinium vitis-idaea</i>		56.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 45, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Pleurozium schreberi</i>		48.0	18, 18AA, 26, 26BA, 39, 39CA, 44, 45, 45AB, 48AD, 49
<i>Dryopteris carthusiana</i> agg.		48.0	01, 01BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 44
<i>Sorbus aucuparia</i>		43.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA
<i>Hylocomium splendens</i>		42.0	08, 26BA, 39, 42, 42AA, 44, 48AD
Dominant species (4)			
<i>Pinus mugo</i>	Dg, C	91.0	44, 49, 49AB
<i>Vaccinium myrtillus</i>	C	17.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44, 45, 45AB, 47, 47AB, 48, 48AD, 49, 49AB
<i>Calamagrostis villosa</i>	C	4.0	18, 18AA, 20, 20CA, 20CC, 39, 39AA, 39BC, 44, 46, 46AA
<i>Dicranum scoparium</i>	C	3.0	26BA, 44

Class 45 *Loiseleurio-Vaccinieta*

Arctic-boreal and (sub)alpine ericoid dwarf-shrub heathlands

No. of relevés: 498

Diagnostic species (12)

<i>Cetraria islandica</i>	C, Dm	40.1	13, 13AA, 42, 42AA, 45AA
<i>Empetrum nigrum</i> ²²	C, Dm	37.7	40, 40AA, 45AA, 45AB, 49
<i>Hieracium alpinum</i>	C	35.2	13, 13AA, 45AA, 47AA
<i>Juncus trifidus</i>	C	33.5	13, 13AA, 42, 42AB, 45AA
<i>Vaccinium vitis-idaea</i>	C, Dm	31.7	18, 18AA, 49
<i>Vaccinium uliginosum</i> ²³	C, Dm	31.5	40, 40AA, 45AA, 49, 49AB
<i>Campanula alpina</i>	C	30.1	13, 13AA, 42, 42AB, 45AA
<i>Festuca supina</i>	C	27.6	13, 13AA, 36BA, 42, 42AA, 42AB, 45AA
<i>Vaccinium myrtillus</i>	C, Dm	27.5	39, 44, 49
<i>Avenula versicolor</i>	C	26.4	13, 13AA, 45AA
<i>Cladonia rangiferina</i>	C	26.1	39CA, 45AA
<i>Oreochloa disticha</i>	C	25.7	13, 13AA, 42, 42AB, 45AA

Constant species (21)

<i>Vaccinium myrtillus</i>	Dg, Dm	87.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Vaccinium vitis-idaea</i>	Dg, Dm	85.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45AA, 45AB, 47, 48AD, 49, 49AB
<i>Cetraria islandica</i>	Dg, Dm	76.0	06AA, 13, 13AA, 42, 42AA, 42AB, 44, 45AA, 45AB
<i>Avenella flexuosa</i>		66.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA,

²² In this class *Empetrum nigrum* **hermaphroditum* (tetraploid populations) strongly prevails.

²³ In this class subspecies *Vaccinium* **microphyllum* (syn. *V. gaultherioides*) occurs.

			27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Homogyne alpina</i>		55.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45AA, 45AB, 47, 47AA, 47AB, 48AD
<i>Juncus trifidus</i>	Dg	52.0	13, 13AA, 42, 42AA, 42AB, 45AA
<i>Hieracium alpinum</i>	Dg	51.0	13, 13AA, 45AA, 47AA
<i>Campanula alpina</i>	Dg	51.0	13, 13AA, 42, 42AA, 42AB, 45AA
<i>Vaccinium uliginosum</i>	Dg, Dm	46.0	40, 40AA, 45AA, 49, 49AB
<i>Festuca supina</i>	Dg	46.0	13, 13AA, 36BA, 42, 42AA, 42AB, 45AA
<i>Oreochloa disticha</i>	Dg	42.0	13, 13AA, 36BA, 42, 42AB, 45AA
<i>Empetrum nigrum</i>	Dg, Dm	41.0	40, 40AA, 45AA, 49
<i>Pleurozium schreberi</i>	Dm	36.0	18, 18AA, 26, 26BA, 39, 39CA, 44, 44AA, 45AB, 48AD, 49
<i>Avenula versicolor</i>	Dg	36.0	13, 13AA, 42, 45AA, 47AA
<i>Cladonia rangiferina</i>	Dg	34.0	13, 39CA, 45AA
<i>Luzula luzuloides</i>		31.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45AB, 46, 47, 47AB, 47AC, 48AD
<i>Ligusticum mutellina</i>		29.0	13, 13AA, 17EB, 19AC, 20, 20CA, 20CB, 20DA, 30, 30AA, 30AB, 30BA, 47AA
<i>Huperzia selago</i>		27.0	42, 42AB
<i>Cladonia gracilis</i> agg.		27.0	13, 42, 45AA
<i>Agrostis rupestris</i>		27.0	13, 13AA, 30, 30AA, 45AA, 47AA
<i>Calamagrostis villosa</i>		26.0	18, 18AA, 20, 20CA, 20DA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 46, 46AA
Dominant species (7)			
<i>Vaccinium myrtillus</i>	Dg, C	23.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44, 44AA, 45AB, 47, 47AB, 48, 48AD, 49, 49AB
<i>Vaccinium uliginosum</i>	Dg, C	19.0	45AA
<i>Cetraria islandica</i>	Dg, C	17.0	13, 13AA, 30BA, 42AB, 45AA, 45AB
<i>Empetrum nigrum</i>	Dg, C	11.0	45AA, 45AB
<i>Vaccinium vitis-idaea</i>	Dg, C	5.0	45AB
<i>Sphagnum capillifolium</i> agg.		3.0	32BB, 32CD, 40, 40AA, 40AB, 45AB, 47AA, 49, 49AB
<i>Calluna vulgaris</i>		3.0	40AA, 45AA, 47AB, 48, 48AA, 48AC

Alliance 45AA *Loiseleurio-Vaccinion***Alpine and subalpine chionophobic dwarf-shrub heaths on windswept ridges**

No. of relevés: 240

Diagnostic species (12)

<i>Juncus trifidus</i>	C	45.0	13, 13AA, 42, 42AB, 45
<i>Vaccinium uliginosum</i>	C, Dm	43.1	40, 40AA, 45, 49, 49AB
<i>Hieracium alpinum</i>	C	40.8	13, 13AA, 45, 47AA
<i>Campanula alpina</i>	C	39.4	13, 13AA, 42, 42AB, 45
<i>Avenula versicolor</i>	C	34.2	13, 13AA, 45
<i>Cetraria islandica</i>	C, Dm	34.1	13, 13AA, 42, 42AA, 45
<i>Oreochloa disticha</i>	C	32.8	13, 13AA, 42, 42AB, 45
<i>Empetrum nigrum</i>	C, Dm	31.3	40, 40AA, 45, 45AB, 49
<i>Cladonia gracilis</i> agg.	C	29.3	13

<i>Festuca supina</i>	C	27.7	13, 13AA, 36BA, 42, 42AA, 42AB, 45
<i>Pulsatilla scherfelii</i>		25.7	13, 42, 42AB
<i>Cladonia rangiferina</i>	C	25.2	39CA, 45
Constant species (17)			
<i>Cetraria islandica</i>	Dg, Dm	90.0	06AA, 13, 13AA, 42, 42AA, 42AB, 44, 45, 45AB
<i>Juncus trifidus</i>	Dg	89.0	13, 13AA, 42, 42AA, 42AB, 45
<i>Campanula alpina</i>	Dg	87.0	13, 13AA, 42, 42AA, 42AB, 45
<i>Vaccinium vitis-idaea</i>		84.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AB, 47, 48AD, 49, 49AB
<i>Vaccinium myrtilus</i>		84.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Vaccinium uliginosum</i>	Dg, Dm	81.0	40, 40AA, 45, 49, 49AB
<i>Hieracium alpinum</i>	Dg	81.0	13, 13AA, 45, 47AA
<i>Oreochloa disticha</i>	Dg	68.0	13, 13AA, 36BA, 42, 42AB, 45
<i>Festuca supina</i>	Dg	62.0	13, 13AA, 36BA, 42, 42AA, 42AB, 45
<i>Avenula versicolor</i>	Dg	62.0	13, 13AA, 42, 45, 47AA
<i>Avenella flexuosa</i>		54.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Cladonia rangiferina</i>	Dg	50.0	13, 39CA, 45
<i>Empetrum nigrum</i>	Dg, Dm	47.0	40, 40AA, 45, 49
<i>Agrostis rupestris</i>		47.0	13, 13AA, 30, 30AA, 45, 47AA
<i>Cladonia gracilis</i> agg.	Dg	46.0	13, 42, 45
<i>Homogyne alpina</i>		44.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AB, 47, 47AA, 47AB, 48AD
<i>Cladonia arbuscula</i>		41.0	13, 36DA, 39CA
Dominant species (4)			
<i>Vaccinium uliginosum</i>	Dg, C	39.0	45
<i>Cetraria islandica</i>	Dg, C	31.0	13, 13AA, 30BA, 42AB, 45, 45AB
<i>Empetrum nigrum</i>	Dg, C	11.0	45, 45AB
<i>Calluna vulgaris</i>		7.0	40AA, 45, 47AB, 48, 48AA, 48AC

Alliance 45AB *Vaccinion myrtilli*

Subalpine acidophilous, mesophilous dwarf-shrub communities

No. of relevés: 258

Diagnostic species (1)

<i>Empetrum nigrum</i>	Dm	24.3	40, 40AA, 45, 45AA, 49
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Constant species (7)

<i>Vaccinium myrtilus</i>	Dm	90.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Vaccinium vitis-idaea</i>	Dm	85.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 47, 48AD, 49, 49AB

<i>Avenella flexuosa</i>		77.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 47, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Homogyne alpina</i>		65.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 47, 47AA, 47AB, 48AD
<i>Cetraria islandica</i>	Dm	62.0	06AA, 13, 13AA, 42, 42AA, 42AB, 44, 45, 45AA
<i>Luzula luzuloides</i>		49.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 46, 47, 47AB, 47AC, 48AD
<i>Pleurozium schreberi</i>	Dm	46.0	18, 18AA, 26, 26BA, 39, 39CA, 44, 44AA, 45, 48AD, 49
Dominant species (7)			
<i>Vaccinium myrtillus</i>	C	42.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44, 44AA, 45, 47, 47AB, 48, 48AD, 49, 49AB
<i>Empetrum nigrum</i>	Dg	10.0	45, 45AA
<i>Vaccinium vitis-idaea</i>	C	9.0	45
<i>Sphagnum capillifolium</i> agg.		6.0	32BB, 32CD, 40, 40AA, 40AB, 45, 47AA, 49, 49AB
<i>Hylocomium splendens</i>		5.0	26BA, 42AA
<i>Pleurozium schreberi</i>	C	4.0	26, 26BA, 48AD
<i>Cetraria islandica</i>	C	4.0	13, 13AA, 30BA, 42AB, 45, 45AA

Class 46 *Betulo carpaticae-Alnetea viridis***Subalpine communities of deciduous shrubs**

No. of relevés: 58

Diagnostic species (57)

<i>Salix silesiaca</i>	C, Dm	71.8	46AA
<i>Geranium sylvaticum</i>	C	67.2	20CE, 46AA
<i>Vicia sylvatica</i>	C	63.8	46AA
<i>Festuca pseudolaxa</i>	C	59.4	20CE, 46AA
<i>Bupleurum longifolium</i>	C	58.8	46AA
<i>Cirsium erisithales</i>	C	52.1	20CD, 46AA
<i>Astrantia major</i>	C	50.9	20CE, 46AA
<i>Crepis mollis</i>	C	50.7	20CE, 46AA
<i>Campanula serrata</i>	C	50.7	20CC, 46AA
<i>Pimpinella major</i> ²⁴	C	49.4	20CD, 46AA
<i>Lathyrus vernus</i>	C	48.8	25, 27BB, 46AA
<i>Rosa pendulina</i>	C	48.7	46AA
<i>Hypericum maculatum</i>	C	47.4	46AA, 47
<i>Luzula sylvatica</i>	C	47.0	39, 39BB, 39BC, 46AA
<i>Knautia dipsacifolia</i>	C	46.4	20CC, 46AA
<i>Ranunculus nemorosus</i>	C	44.7	20CC, 46AA
<i>Valeriana tripteris</i>	C	44.5	46AA
<i>Aconitum variegatum</i>	C	43.4	46AA
<i>Cortusa matthioli</i>	C	43.1	
<i>Heracleum sphondylium</i>	C	42.1	

²⁴ Subspecies *Pimpinella *rhodochlamys* strongly prevails.

<i>Calamagrostis arundinacea</i>	C, Dm	42.0	20CC, 39, 46AA
<i>Sesleria tatrae</i>	C	40.7	06AC, 20CE, 36AA, 42AA
<i>Campanula glomerata</i> ²⁵	C	40.7	
<i>Epilobium alpestre</i>	C	40.4	
<i>Lilium martagon</i>	C	40.3	46AA
<i>Primula elatior</i>	C	38.8	
<i>Allium victorialis</i>	C	38.1	20CC
<i>Vicia cracca</i> agg.	C	38.0	
<i>Saxifraga rotundifolia</i>		37.8	46AA
<i>Thalictrum aquilegifolium</i>	C	36.8	
<i>Myosotis sylvatica</i> agg.	C	36.2	
<i>Aconitum lycoctonum</i>		35.4	46AA
<i>Polygonatum verticillatum</i>	C	34.7	39, 39BB
<i>Senecio nemorensis</i> agg. ²⁶	C	32.6	07, 39
<i>Tanacetum corymbosum</i> agg.	C	32.5	
<i>Rubus saxatilis</i>	C	31.8	08, 08AA, 20CD
<i>Geum rivale</i>	C	31.7	
<i>Daphne mezereum</i>	C	31.5	
<i>Viola biflora</i>	C	31.3	
<i>Pleurospermum austriacum</i>		31.3	
<i>Euphorbia amygdaloides</i>	C	31.1	
<i>Isopyrum thalictroides</i>		30.7	
<i>Paris quadrifolia</i>	C	30.6	
<i>Adenostyles alliariae</i>	C	30.4	20DA, 39BB, 39BC
<i>Gentiana asclepiadea</i>	C	30.2	39, 39BB
<i>Convallaria majalis</i>	C	29.9	08
<i>Laserpitium latifolium</i>	C	29.4	08, 08AA, 20CD
<i>Alchemilla</i> spec. div.	C	29.4	
<i>Cardamine pratensis</i> agg.	C	29.1	17BE
<i>Cyanus montanus</i> *mollis		28.1	20CD
<i>Linum extraaxillare</i>		27.6	20CE
<i>Phleum hirsutum</i>		27.5	06AC, 20CC, 20CE
<i>Phyteuma spicatum</i>	C	27.2	
<i>Epilobium collinum</i>		26.8	
<i>Cotoneaster integerrimus</i>		25.9	08, 08AA
<i>Sorbus aucuparia</i>	C	25.8	08, 39
<i>Cirsium eriophorum</i>		24.5	
Constant species (68)			
<i>Salix silesiaca</i>	Dg, Dm	100.0	46AA
<i>Geranium sylvaticum</i>	Dg	91.0	17EA, 20, 20CC, 20CE, 20DA, 46AA
<i>Hypericum maculatum</i>	Dg	86.0	07, 07AC, 17EA, 17EB, 20, 20CC, 20CE, 20DA, 43AE, 46AA, 47, 47AB, 47AC
<i>Heracleum sphondylium</i>	Dg	67.0	20CE, 28AB, 31AA, 43AC, 46AA
<i>Valeriana tripteris</i>	Dg	66.0	03, 03AB, 08, 39BB, 39BD, 46AA
<i>Senecio nemorensis</i> agg.	Dg	66.0	07, 07AA, 07AC, 20, 25, 27, 27BC, 27BD, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46AA
<i>Pimpinella major</i>	Dg	66.0	20CC, 20CD, 20CE, 46AA
<i>Luzula sylvatica</i>	Dg	66.0	20CE, 39, 39BA, 39BB, 39BC, 46AA, 48AD
<i>Calamagrostis arundinacea</i>	Dg, Dm	66.0	07, 20CC, 39, 39BD, 46AA

²⁵ In this class *Campanula* *elliptica occurs.

²⁶ In this class *Senecio hercynicus* strongly prevails.

<i>Campanula serrata</i>	Dg	62.0	20CC, 46AA, 47
<i>Lathyrus vernus</i>	Dg	60.0	25, 27, 27BB, 46AA
<i>Sorbus aucuparia</i>	Dg	59.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46AA
<i>Primula elatior</i>	Dg	59.0	06AC, 17EA, 17EB, 20, 20CE, 46AA
<i>Vicia sylvatica</i>	Dg	57.0	46AA
<i>Vaccinium myrtillus</i>		57.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Cirsium erisithales</i>	Dg	57.0	20CC, 20CD, 46AA
<i>Alchemilla spec. div.</i>	Dg	57.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46AA, 47, 47AC
<i>Picea abies</i>		55.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46AA, 48AD, 49, 49AB
<i>Astrantia major</i>	Dg	55.0	20CE, 46AA
<i>Vicia cracca</i> agg.	Dg	53.0	10BA, 10BB, 17, 17AA, 17BE, 17EA, 46AA
<i>Festuca pseudolaxa</i>	Dg	53.0	20CE, 46AA
<i>Rosa pendulina</i>	Dg	52.0	46AA
<i>Achillea millefolium</i> agg.		52.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46AA, 47, 47AC, 48AC, 50, 50AB
<i>Viola biflora</i>	Dg	47.0	19, 19AA, 19AC, 19AE, 20, 20CB, 20CE, 20DA, 46AA
<i>Rubus idaeus</i>		47.0	07, 07AA, 07AC, 25, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 43AE, 44, 46AA
<i>Tanacetum corymbosum</i> agg.	Dg	47.0	20CC, 20CD, 25, 27AA, 27AB, 46AA
<i>Poa nemoralis</i>		47.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46AA, 50
<i>Lilium martagon</i>	Dg	47.0	46AA
<i>Gentiana asclepiadea</i>	Dg	47.0	39, 39BA, 39BB, 39BC, 39BD, 46AA, 47, 48AD
<i>Cortusa matthioli</i>	Dg	47.0	19AE, 20CE, 46AA
<i>Sesleria tatrae</i>	Dg	45.0	06AC, 20CE, 30BA, 36AA, 42AA, 46AA
<i>Polygonatum verticillatum</i>	Dg	45.0	39, 39BA, 39BB, 39BD, 46AA
<i>Crepis mollis</i>	Dg	45.0	20CE, 46AA
<i>Calamagrostis villosa</i>	Dm	45.0	18, 18AA, 20, 20CA, 20DA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 46AA
<i>Urtica dioica</i>		43.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC,

			43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46AA
<i>Fragaria vesca</i>		43.0	07, 07AA, 20CD, 25, 25AA, 26, 27, 27AB, 27BB, 28, 28BA, 39BD, 46AA
<i>Ranunculus nemorosus</i>	Dg	41.0	20CC, 46AA
<i>Laserpitium latifolium</i>	Dg	41.0	08, 08AA, 20CD, 46AA
<i>Campanula glomerata</i>	Dg	41.0	10BB, 46AA
<i>Bupleurum longifolium</i>	Dg	41.0	46AA
<i>Myosotis sylvatica</i> agg.	Dg	40.0	
<i>Geum rivale</i>	Dg	40.0	20EA
<i>Knautia dipsacifolia</i>	Dg	38.0	20CC
<i>Convallaria majalis</i>	Dg	38.0	08, 08AA
<i>Euphorbia amygdaloides</i>	Dg	36.0	
<i>Solidago virgaurea</i>		36.0	20CA, 20CC, 39, 47
<i>Soldanella carpatica</i>		36.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 47, 47AA
<i>Rubus saxatilis</i>	Dg	36.0	08, 08AA, 20CD
<i>Leucanthemum vulgare</i> agg. ²⁷		36.0	06, 08, 10BA, 10BB, 17, 17AA, 17AB, 17BD, 17EA, 20CD
<i>Daphne mezereum</i>	Dg	36.0	
<i>Thalictrum aquilegifolium</i>	Dg	34.0	
<i>Helianthemum grandiflorum</i>		34.0	06, 06AB, 06AC, 08, 10, 10AF
<i>Paris quadrifolia</i>	Dg	33.0	
<i>Luzula luzuloides</i>		33.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 47, 47AB, 47AC, 48AD
<i>Cardamine pratensis</i> agg.	Dg	33.0	17BB, 17BE
<i>Adenostyles alliariae</i>	Dg	33.0	20DA, 39BB, 39BC
<i>Aconitum variegatum</i>	Dg	33.0	
<i>Digitalis grandiflora</i>		31.0	20CC, 20CD, 25, 25AA
<i>Arabidopsis arenosa</i> agg.		31.0	02AC, 03, 03AB, 03CD, 36, 36AA, 36CC
<i>Phyteuma spicatum</i>	Dg	28.0	
<i>Epilobium alpestre</i>	Dg	28.0	
<i>Dryopteris filix-mas</i> agg.		28.0	07, 07AC, 27, 27BC, 27BD, 27BE, 28BA, 39, 39BB, 39BD
<i>Saxifraga paniculata</i>		26.0	03AA, 06, 06AA, 08, 42, 42AA, 42AB
<i>Phyteuma orbiculare</i>		26.0	03, 06, 06AA, 06AB, 06AC, 08, 08AA, 20CD, 20CE, 42, 42AA
<i>Melica nutans</i>		26.0	25, 25AA, 28AB
<i>Galium pumilum</i> agg.		26.0	03AA, 06, 06AA, 06AB, 06AC, 08, 08AA, 17EB, 20CE, 36AA, 42, 42AA
<i>Asarum europaeum</i>		26.0	27, 27BC, 27BD, 28, 28AB
<i>Allium victorialis</i>	Dg	26.0	
Dominant species (4)			
<i>Salix silesiaca</i>	Dg, C	55.0	46AA
<i>Calamagrostis arundinacea</i>	Dg, C	14.0	07, 07AC, 17EC, 20, 20CC, 25, 25AA, 27BE, 39BD, 46AA, 47AB
<i>Calamagrostis villosa</i>	C	10.0	18, 18AA, 20, 20CA, 20CC, 39, 39AA, 39BC, 44, 44AA, 46AA
<i>Calamagrostis varia</i>		7.0	06AC, 20, 20CD, 20CE, 46AA

²⁷ In this class *Leucanthemum margaritae* (Jáv.) Zelený strongly prevails.

Alliance 46AA *Salicion silesiaca***Subalpine communities of deciduous shrubs dominated by *Salix silesiaca***

No. of relevés: 58

Diagnostic species (22)

<i>Salix silesiaca</i>	C, Dm	54.9	46
<i>Vicia sylvatica</i>	C	45.1	46
<i>Bupleurum longifolium</i>	C	42.0	46
<i>Geranium sylvaticum</i>	C	36.2	20CE, 46
<i>Festuca pseudolaxa</i>	C	34.3	20CE, 46
<i>Rosa pendulina</i>	C	32.0	46
<i>Lathyrus vernus</i>	C	30.4	25, 27BB, 46
<i>Aconitum lycoctonum</i>		29.0	46
<i>Knautia dipsacifolia</i>		27.6	20CC, 46
<i>Cirsium erisithales</i>	C	27.5	20CD, 46
<i>Pimpinella major</i>	C	27.3	20CD, 46
<i>Valeriana tripteris</i>	C	27.1	46
<i>Campanula serrata</i>	C	27.0	20CC, 46
<i>Crepis mollis</i>	C	26.6	20CE, 46
<i>Astrantia major</i>	C	26.4	20CE, 46
<i>Saxifraga rotundifolia</i>		25.5	46
<i>Aconitum variegatum</i>		25.3	46
<i>Luzula sylvatica</i>	C	25.0	39, 39BB, 39BC, 46
<i>Lilium martagon</i>	C	24.7	46
<i>Ranunculus nemorosus</i>	C	24.6	20CC, 46
<i>Hypericum maculatum</i>	C	24.5	46, 47
<i>Calamagrostis arundinacea</i>	C, Dm	24.3	20CC, 39, 46

Constant species (40)

<i>Salix silesiaca</i>	Dg, Dm	100.0	46
<i>Geranium sylvaticum</i>	Dg	91.0	17EA, 20, 20CC, 20CE, 20DA, 46
<i>Hypericum maculatum</i>	Dg	86.0	07, 07AC, 17EA, 17EB, 20, 20CC, 20CE, 20DA, 43AE, 46, 47, 47AB, 47AC
<i>Heracleum sphondylium</i>		67.0	20CE, 28AB, 31AA, 43AC, 46
<i>Valeriana tripteris</i>	Dg	66.0	03, 03AB, 08, 39BB, 39BD, 46
<i>Senecio nemorensis</i> agg.		66.0	07, 07AA, 07AC, 20, 25, 27, 27BC, 27BD, 28BA, 39, 39BA, 39BB, 39BC, 39BD, 46
<i>Pimpinella major</i>	Dg	66.0	20CC, 20CD, 20CE, 46
<i>Luzula sylvatica</i>	Dg	66.0	20CE, 39, 39BA, 39BB, 39BC, 46, 48AD
<i>Calamagrostis arundinacea</i>	Dg, Dm	66.0	07, 20CC, 39, 39BD, 46
<i>Campanula serrata</i>	Dg	62.0	20CC, 46, 47
<i>Lathyrus vernus</i>	Dg	60.0	25, 27, 27BB, 46
<i>Sorbus aucuparia</i>		59.0	07, 08, 08AA, 26, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 44AA, 46
<i>Primula elatior</i>		59.0	06AC, 17EA, 17EB, 20, 20CE, 46
<i>Vicia sylvatica</i>	Dg	57.0	46
<i>Vaccinium myrtillus</i>		57.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 47, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Cirsium erisithales</i>	Dg	57.0	20CC, 20CD, 46
<i>Alchemilla</i> spec. div.		57.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD,

			43AE, 46, 47, 47AC
<i>Picea abies</i>		55.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 48AD, 49, 49AB
<i>Astrantia major</i>	Dg	55.0	20CE, 46
<i>Vicia cracca</i> agg.		53.0	10BA, 10BB, 17, 17AA, 17BE, 17EA, 46
<i>Festuca pseudolaxa</i>	Dg	53.0	20CE, 46
<i>Rosa pendulina</i>	Dg	52.0	46
<i>Achillea millefolium</i> agg.		52.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 47, 47AC, 48AC, 50, 50AB
<i>Viola biflora</i>		47.0	19, 19AA, 19AC, 19AE, 20, 20CB, 20CE, 20DA, 46
<i>Rubus idaeus</i>		47.0	07, 07AA, 07AC, 25, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 43AE, 44, 46
<i>Tanacetum corymbosum</i> agg.		47.0	20CC, 20CD, 25, 27AA, 27AB, 46
<i>Poa nemoralis</i>		47.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 50
<i>Lilium martagon</i>	Dg	47.0	46
<i>Gentiana asclepiadea</i>		47.0	39, 39BA, 39BB, 39BC, 39BD, 46, 47, 48AD
<i>Cortusa matthioli</i>		47.0	19AE, 20CE, 46
<i>Sesleria tatrae</i>		45.0	06AC, 20CE, 30BA, 36AA, 42AA, 46
<i>Polygonatum verticillatum</i>		45.0	39, 39BA, 39BB, 39BD, 46
<i>Crepis mollis</i>	Dg	45.0	20CE, 46
<i>Calamagrostis villosa</i>	Dm	45.0	18, 18AA, 20, 20CA, 20DA, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 46
<i>Urtica dioica</i>		43.0	01, 01AA, 01BA, 02, 02AD, 04, 07, 07AA, 19BC, 20, 20EA, 27BA, 27BC, 28, 28AB, 28BA, 28BB, 29, 29AA, 29AB, 31, 31AA, 31AB, 31AC, 36CB, 36CC, 43, 43AA, 43AB, 43AC, 43AD, 43AE, 43BA, 46
<i>Fragaria vesca</i>		43.0	07, 07AA, 20CD, 25, 25AA, 26, 27, 27AB, 27BB, 28, 28BA, 39BD, 46
<i>Ranunculus nemorosus</i>	Dg	41.0	20CC, 46
<i>Laserpitium latifolium</i>		41.0	08, 08AA, 20CD, 46
<i>Campanula glomerata</i>		41.0	10BB, 46
<i>Bupleurum longifolium</i>	Dg	41.0	46
Dominant species (4)			
<i>Salix silesiaca</i>	Dg, C	55.0	46
<i>Calamagrostis arundinacea</i>	Dg, C	14.0	07, 07AC, 17EC, 20, 20CC, 25, 25AA, 27BE, 39BD, 46, 47AB
<i>Calamagrostis villosa</i>	C	10.0	18, 18AA, 20, 20CA, 20CC, 39, 39AA, 39BC, 44, 44AA, 46
<i>Calamagrostis varia</i>		7.0	06AC, 20, 20CD, 20CE, 46

Class 47 *Nardetea strictae***Subalpine (montane) mat-grass meadows and pastures**

No. of relevés: 984

Diagnostic species (12)

<i>Nardus stricta</i>	C, Dm	58.8	47AA, 47AB, 47AC, 48AC, 48AD
<i>Carex pilulifera</i>		35.4	47AC
<i>Potentilla aurea</i>	C	35.3	17EB
<i>Phleum rhaeticum</i>	C	34.3	
<i>Avenula planiculmis</i>		30.5	47AC
<i>Luzula campestris</i> agg.	C	30.0	17
<i>Hypericum maculatum</i>	C	29.9	46, 46AA
<i>Poa chaixii</i>		28.9	
<i>Hypochaeris uniflora</i>		27.5	
<i>Festuca rubra</i> agg.	C	26.3	17
<i>Agrostis capillaris</i>	C	25.1	50
<i>Luzula luzuloides</i>	C	24.1	25

Constant species (23)

<i>Nardus stricta</i>	Dg, Dm	90.0	17AB, 47AA, 47AB, 47AC, 48, 48AC, 48AD
<i>Vaccinium myrtillus</i>	Dm	73.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47AA, 47AB, 47AC, 48AD, 49, 49AB
<i>Avenella flexuosa</i>	Dm	62.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47AA, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Luzula luzuloides</i>	Dg	59.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47AB, 47AC, 48AD
<i>Hypericum maculatum</i>	Dg	57.0	07, 07AC, 17EA, 17EB, 20, 20CC, 20CE, 20DA, 43AE, 46, 46AA, 47AB, 47AC
<i>Potentilla aurea</i>	Dg	55.0	06AC, 13, 17EB, 20, 20CA, 20CB, 20CE, 30, 30AB, 47AA, 47AB
<i>Agrostis capillaris</i>	Dg	55.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47AB, 47AC, 48, 48AA, 48AC, 50, 50AB
<i>Anthoxanthum odoratum</i> agg.		53.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47AA, 47AB, 47AC, 48AC, 50, 50AB
<i>Homogyne alpina</i>		52.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47AA, 47AB, 48AD
<i>Potentilla erecta</i>		41.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47AB, 47AC, 48AC, 50, 50AB
<i>Festuca rubra</i> agg.	Dg	40.0	17, 17AA, 17AB, 17BA, 17BC, 17EA, 32, 32AG, 47AB, 47AC
<i>Deschampsia cespitosa</i>	Dm	40.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB,

			17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47AB, 47AC
<i>Luzula campestris</i> agg.	Dg	39.0	17, 17AA, 17AB, 17EA, 47AB, 47AC
<i>Achillea millefolium</i> agg.		34.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47AC, 48AC, 50, 50AB
<i>Vaccinium vitis-idaea</i>		33.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 48AD, 49, 49AB
<i>Alchemilla</i> spec. div.		33.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47AC
<i>Solidago virgaurea</i>		32.0	20CA, 20CC, 39, 46
<i>Cruciata glabra</i>		31.0	10BA, 10BB, 17, 17AA, 17AB, 17EA, 20CC, 25, 25AA, 27AB, 47AC
<i>Veronica officinalis</i>		30.0	07, 25, 25AA, 27AD, 27BE, 47AC
<i>Soldanella carpatica</i>		29.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47AA
<i>Phleum rhaeticum</i>	Dg	28.0	
<i>Gentiana asclepiadea</i>		28.0	39, 39BA, 39BB, 39BC, 39BD, 46, 46AA, 48AD
<i>Campanula serrata</i>		27.0	20CC, 46, 46AA
Dominant species (4)			
<i>Nardus stricta</i>	Dg, C	46.0	17AB, 47AA, 47AB, 47AC, 48AC
<i>Deschampsia cespitosa</i>	C	4.0	17BD, 17EA, 20, 20CB, 20CC, 47AB
<i>Avenella flexuosa</i>	C	4.0	20CC, 26AA, 37BA, 47AB
<i>Vaccinium myrtillus</i>	C	3.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44, 44AA, 45, 45AB, 47AB, 48, 48AD, 49, 49AB

Alliance 47AA *Nardion strictae*

Alpine and subalpine low-stem, dense mat-grass communities

No. of relevés: 274

Diagnostic species (3)

<i>Nardus stricta</i>	C, Dm	32.2	47, 47AB, 47AC, 48AC, 48AD
<i>Hieracium alpinum</i>	C	25.1	13, 13AA, 45, 45AA
<i>Agrostis rupestris</i>	C	24.4	13, 13AA

Constant species (12)

<i>Nardus stricta</i>	Dg, Dm	98.0	17AB, 47, 47AB, 47AC, 48, 48AC, 48AD
<i>Vaccinium myrtillus</i>		73.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AB, 47AC, 48AD, 49, 49AB
<i>Homogyne alpina</i>		70.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AB, 48AD
<i>Avenella flexuosa</i>		67.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA,

			39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AB, 48, 48AA, 48AD, 50, 50AB
<i>Ligusticum mutellina</i>		64.0	13, 13AA, 17EB, 19AC, 20, 20CA, 20CB, 20DA, 30, 30AA, 30AB, 30BA, 45
<i>Potentilla aurea</i>		59.0	06AC, 13, 17EB, 20, 20CA, 20CB, 20CE, 30, 30AB, 47, 47AB
<i>Anthoxanthum odoratum</i> agg.		58.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AB, 47AC, 48AC, 50, 50AB
<i>Hieracium alpinum</i>	Dg	51.0	13, 13AA, 45, 45AA
<i>Geum montanum</i>		50.0	20, 20CA, 20CB, 30, 30AA, 30AB
<i>Agrostis rupestris</i>	Dg	48.0	13, 13AA, 30, 30AA, 45, 45AA
<i>Soldanella carpatica</i>		45.0	06AA, 06AC, 13, 20, 20CA, 20CB, 20CE, 20DA, 30, 30AB, 30BA, 36BA, 42, 42AA, 42AB, 46, 47
<i>Avenula versicolor</i>		43.0	13, 13AA, 42, 45, 45AA
Dominant species (3)			
<i>Nardus stricta</i>	Dg, C	69.0	17AB, 47, 47AB, 47AC, 48AC
<i>Sphagnum girgensohnii</i>		4.0	40, 40AA, 49, 49AB
<i>Sphagnum capillifolium</i> agg.		3.0	32BB, 32CD, 40, 40AA, 40AB, 45, 45AB, 49, 49AB

Alliance 47AB *Nardo-Agrostion tenuis***Mat-grass communities in montane (subalpine) belt**

No. of relevés: 651

Diagnostic species (1)*Nardus stricta* C, Dm 28.1 47, 47AA, 47AC, 48AC, 48AD**Constant species (13)***Nardus stricta* Dg, Dm 86.0 17AB, 47, 47AA, 47AC, 48, 48AC, 48AD*Vaccinium myrtillus* Dm 75.0 08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AC, 48AD, 49, 49AB*Hypericum maculatum* 71.0 07, 07AC, 17EA, 17EB, 20, 20CC, 20CE, 20DA, 43AE, 46, 46AA, 47, 47AC*Agrostis capillaris* 69.0 07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AC, 48, 48AA, 48AC, 50, 50AB*Luzula luzuloides* 67.0 07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AC, 48AD*Avenella flexuosa* Dm 64.0 13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 48, 48AA, 48AD, 50, 50AB*Potentilla aurea* 54.0 06AC, 13, 17EB, 20, 20CA, 20CB, 20CE, 30, 30AB, 47, 47AA*Potentilla erecta* 51.0 16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AC, 48AC, 50, 50AB

<i>Festuca rubra</i> agg.		51.0	17, 17AA, 17AB, 17BA, 17BC, 17EA, 32, 32AG, 47, 47AC
<i>Anthoxanthum odoratum</i> agg.		51.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AC, 48AC, 50, 50AB
<i>Luzula campestris</i> agg.		48.0	17, 17AA, 17AB, 17EA, 47, 47AC
<i>Homogyne alpina</i>		47.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 48AD
<i>Deschampsia cespitosa</i>	Dm	45.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AC
Dominant species (6)			
<i>Nardus stricta</i>	Dg, C	38.0	17AB, 47, 47AA, 47AC, 48AC
<i>Deschampsia cespitosa</i>	C	6.0	17BD, 17EA, 20, 20CB, 20CC, 47
<i>Avenella flexuosa</i>	C	5.0	20CC, 26AA, 37BA, 47
<i>Vaccinium myrtillus</i>	C	4.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44, 44AA, 45, 45AB, 47, 48, 48AD, 49, 49AB
<i>Calluna vulgaris</i>		3.0	40AA, 45, 45AA, 48, 48AA, 48AC
<i>Calamagrostis arundinacea</i>		3.0	07, 07AC, 17EC, 20, 20CC, 25, 25AA, 27BE, 39BD, 46, 46AA

Alliance 47AC *Violion caninae*

Low stem mat-grass communities in colline to submontane (rarely montane) belt

No. of relevés: 59

Diagnostic species (5)

<i>Carex pilulifera</i>		34.8	47
<i>Avenula planiculmis</i>		32.7	47
<i>Nardus stricta</i>	C, Dm	28.2	47, 47AA, 47AB, 48AC, 48AD
<i>Viola canina</i>	C	27.8	
<i>Polygala vulgaris</i>	C	27.7	

Constant species (20)

<i>Nardus stricta</i>	Dg, Dm	86.0	17AB, 47, 47AA, 47AB, 48, 48AC, 48AD
<i>Hypericum maculatum</i>		69.0	07, 07AC, 17EA, 17EB, 20, 20CC, 20CE, 20DA, 43AE, 46, 46AA, 47, 47AB
<i>Deschampsia cespitosa</i>		69.0	01, 17, 17BA, 17BC, 17BD, 17EA, 17EB, 17EC, 19, 19AA, 19AC, 20, 20CB, 39CA, 43AE, 47, 47AB
<i>Luzula luzuloides</i>		64.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 48AD
<i>Agrostis capillaris</i>		64.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 48, 48AA, 48AC, 50, 50AB
<i>Festuca rubra</i> agg.		63.0	17, 17AA, 17AB, 17BA, 17BC, 17EA, 32, 32AG, 47, 47AB
<i>Achillea millefolium</i> agg.		63.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 48AC, 50, 50AB

<i>Luzula campestris</i> agg.		61.0	17, 17AA, 17AB, 17EA, 47, 47AB
<i>Potentilla erecta</i>		59.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 48AC, 50, 50AB
<i>Cruciata glabra</i>		53.0	10BA, 10BB, 17, 17AA, 17AB, 17EA, 20CC, 25, 25AA, 27AB, 47
<i>Viola canina</i>	Dg	47.0	17AB
<i>Veronica officinalis</i>		47.0	07, 25, 25AA, 27AD, 27BE, 47
<i>Vaccinium myrtillus</i>		47.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 48AD, 49, 49AB
<i>Anthoxanthum odoratum</i> agg.		46.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 48AC, 50, 50AB
<i>Alchemilla</i> spec. div.		46.0	06AC, 17, 17AA, 17AB, 17DA, 17EA, 17EB, 17EC, 19AA, 19AC, 20, 20CB, 20CE, 20DA, 30BA, 36BA, 43AD, 43AE, 46, 46AA, 47
<i>Pilosella officinarum</i>		44.0	10CA, 48AC
<i>Lotus corniculatus</i>		44.0	06, 06AC, 10, 10BA, 10BB, 11CA, 12AB, 17, 17AA, 17AB, 17BE, 17EA, 20CD, 48AC
<i>Ranunculus acris</i>		42.0	17, 17AA, 17AB, 17BA, 17BB, 17BC, 17BD, 17BE, 17EA, 17EC, 32, 32AB, 32CA
<i>Polygala vulgaris</i>	Dg	42.0	
<i>Carex pallescens</i>		42.0	
Dominant species (2)			
<i>Nardus stricta</i>	Dg, C	25.0	17AB, 47, 47AA, 47AB, 48AC
<i>Entodon schleicheri</i>		3.0	

Class 48 *Calluno-Ulicetea***Acidophilous heaths in lowland to montane belt**

No. of relevés: 67

Diagnostic species (9)

<i>Polytrichum piliferum</i>	C	41.0	48AA
<i>Calluna vulgaris</i>	C, Dm	38.8	48AA, 48AC
<i>Genista pilosa</i>	C	31.4	10AF, 37BB, 48AA
<i>Cladonia subulata</i>		28.3	48AA
<i>Cladonia phyllophora</i>		28.3	48AA
<i>Rumex acetosella</i>	C	26.6	50, 50AB
<i>Cladonia foliacea</i>		25.0	48AA
<i>Cladonia furcata</i>		24.6	
<i>Jasione montana</i>		24.2	09

Constant species (8)

<i>Calluna vulgaris</i>	Dg, Dm	69.0	18, 39CA, 40, 48AA, 48AC, 49, 49AB, 50
<i>Avenella flexuosa</i>		67.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48AA, 48AD, 50, 50AB

<i>Polytrichum piliferum</i>	Dg	57.0	13, 37BB, 48AA
<i>Rumex acetosella</i>	Dg	48.0	03CB, 09, 10CA, 14, 33AB, 34AA, 36DA, 48AA, 50, 50AB
<i>Genista pilosa</i>	Dg	43.0	08, 10AF, 25, 27AD, 37BB, 48AA
<i>Agrostis capillaris</i>		43.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48AA, 48AC, 50, 50AB
<i>Nardus stricta</i>		30.0	17AB, 47, 47AA, 47AB, 47AC, 48AC, 48AD
<i>Hypericum perforatum</i>		27.0	07, 07AA, 10, 10AB, 10CA, 25, 25AA, 28AC, 37, 37AB, 37BB, 50
Dominant species (2)			
<i>Calluna vulgaris</i>	Dg, C	31.0	40AA, 45, 45AA, 47AB, 48AA, 48AC
<i>Vaccinium myrtillus</i>		18.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44, 44AA, 45, 45AB, 47, 47AB, 48AD, 49, 49AB

Alliance 48AA *Genistion pilosae*

Subatlantic heathlands in lowlands to lower montane belt

No. of relevés: 44

Diagnostic species (7)

<i>Polytrichum piliferum</i>	C	36.1	48
<i>Cladonia phyllophora</i>		33.1	48
<i>Cladonia foliacea</i>		32.3	48
<i>Calluna vulgaris</i>	C, Dm	31.8	48, 48AC
<i>Genista pilosa</i>	C	28.2	10AF, 37BB, 48
<i>Cladonia subulata</i>		25.9	48
<i>Carex ericetorum</i>		25.8	

Constant species (6)

<i>Calluna vulgaris</i>	Dg, Dm	84.0	18, 39CA, 40, 48, 48AC, 49, 49AB, 50
<i>Polytrichum piliferum</i>	Dg	80.0	13, 37BB, 48
<i>Avenella flexuosa</i>		73.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AD, 50, 50AB
<i>Rumex acetosella</i>		70.0	03CB, 09, 10CA, 14, 33AB, 34AA, 36DA, 48, 50, 50AB
<i>Genista pilosa</i>	Dg	64.0	08, 10AF, 25, 27AD, 37BB, 48
<i>Agrostis capillaris</i>		52.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AC, 50, 50AB

Dominant species (1)

<i>Calluna vulgaris</i>	Dg, C	41.0	40AA, 45, 45AA, 47AB, 48, 48AC
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Alliance 48AC *Euphorbio cyparissiae-Callunion vulgaris*

Dry mesotrophic heaths on siliceous bedrock in lowlands and uplands

No. of relevés: 9

Diagnostic species (11)

<i>Carex stenophylla</i>	C	42.7	09, 12AB
<i>Holcus lanatus</i>	C	40.6	
<i>Thymus serpyllum</i>	C	40.0	09, 09AA, 14, 14AA
<i>Calluna vulgaris</i>	C, Dm	38.1	48, 48AA

<i>Petrorhagia saxifraga</i>		36.0	09, 09AA
<i>Potentilla recta</i>		35.3	
<i>Nardus stricta</i>	C, Dm	29.0	47, 47AA, 47AB, 47AC, 48AD
<i>Corynephorus canescens</i>	C	28.9	09, 09AA, 14, 14AA
<i>Pilosella officinarum</i>	C	28.7	
<i>Erigeron acris</i> agg.		25.5	
<i>Carex hirta</i>	C	24.5	09
Constant species (16)			
<i>Calluna vulgaris</i>	Dg, Dm	100.0	18, 39CA, 40, 48, 48AA, 49, 49AB, 50
<i>Nardus stricta</i>	Dg, Dm	89.0	17AB, 47, 47AA, 47AB, 47AC, 48, 48AD
<i>Achillea millefolium</i> agg.		89.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 50, 50AB
<i>Plantago lanceolata</i>		78.0	02, 02AA, 02AB, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 50
<i>Pilosella officinarum</i>	Dg	78.0	10CA, 47AC
<i>Holcus lanatus</i>	Dg	78.0	
<i>Thymus serpyllum</i>	Dg	67.0	09, 09AA, 14, 14AA
<i>Pinus sylvestris</i>		67.0	08, 08AA, 18, 18AA, 25, 25AA, 26, 26BA, 39CA
<i>Carex hirta</i>	Dg	67.0	09, 11AA, 14, 17CD
<i>Carex stenophylla</i>	Dg	56.0	09, 12AB
<i>Agrostis capillaris</i>		56.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 50, 50AB
<i>Potentilla erecta</i>		44.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 50, 50AB
<i>Lotus corniculatus</i>		44.0	06, 06AC, 10, 10BA, 10BB, 11CA, 12AB, 17, 17AA, 17AB, 17BE, 17EA, 20CD, 47AC
<i>Corynephorus canescens</i>	Dg	44.0	09, 09AA, 14, 14AA
<i>Briza media</i>		44.0	10BA, 10BB, 17, 17AA, 17AB, 17BC, 17EA, 32, 32AB, 32AG, 32CC
<i>Anthoxanthum odoratum</i> agg.		44.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 50, 50AB
Dominant species (2)			
<i>Calluna vulgaris</i>	Dg, C	33.0	40AA, 45, 45AA, 47AB, 48, 48AA
<i>Nardus stricta</i>	Dg, C	11.0	17AB, 47, 47AA, 47AB, 47AC

Alliance 48AD *Genisto pilosae-Vaccinion*

Secondary (rarely natural) *Vaccinium*-rich dwarf-shrubs on shallow skeleton-rich soils in submontane to montane belt

No. of relevés: 14

Diagnostic species (4)

<i>Rhytidiadelphus squarrosus</i>	C	43.9	
<i>Soldanella hungarica</i>	C	42.9	39, 39BA, 39BB

<i>Pleurozium schreberi</i>	C, Dm	30.5	
<i>Nardus stricta</i>	C	25.4	47, 47AA, 47AB, 47AC, 48AC
Constant species (13)			
<i>Vaccinium myrtillus</i>	Dm	100.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 49, 49AB
<i>Pleurozium schreberi</i>	Dg, Dm	93.0	18, 18AA, 26, 26BA, 39, 39CA, 44, 44AA, 45, 45AB, 49
<i>Luzula luzuloides</i>		93.0	07, 20, 20CA, 20CC, 20CE, 25, 25AA, 26, 26AA, 27AD, 27BE, 39, 39AA, 39CA, 45, 45AB, 46, 47, 47AB, 47AC
<i>Avenella flexuosa</i>		93.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 50, 50AB
<i>Homogyne alpina</i>		86.0	13, 13AA, 20, 20CA, 20CB, 20DA, 30, 30AB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB
<i>Vaccinium vitis-idaea</i>		79.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 49, 49AB
<i>Soldanella hungarica</i>	Dg	79.0	39BA, 39BB
<i>Rhytidiadelphus squarrosus</i>	Dg	79.0	
<i>Nardus stricta</i>	Dg	79.0	17AB, 47, 47AA, 47AB, 47AC, 48, 48AC
<i>Gentiana asclepiadea</i>		57.0	39, 39BA, 39BB, 39BC, 39BD, 46, 46AA, 47
<i>Picea abies</i>		43.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 49, 49AB
<i>Luzula sylvatica</i>		43.0	20CE, 39, 39BA, 39BB, 39BC, 46, 46AA
<i>Hylocomium splendens</i>		43.0	08, 26BA, 39, 42, 42AA, 44, 44AA
Dominant species (2)			
<i>Vaccinium myrtillus</i>	C	86.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44, 44AA, 45, 45AB, 47, 47AB, 48, 49, 49AB
<i>Pleurozium schreberi</i>	Dg, C	7.0	26, 26BA, 45AB

Class 49 *Vaccinio uliginosi-Pinetea sylvestris*

Azonal, oligotrophic, more or less peaty coniferous tree- and shrub-communities

No. of relevés: 54

Diagnostic species (15)

<i>Sphagnum magellanicum</i>	C	66.8	40, 40AA, 49AB
<i>Pinus × celakovskiorum</i>	C, Dm	53.3	49AB
<i>Eriophorum vaginatum</i>	C, Dm	45.2	18, 18AA, 40, 40AA, 40AB, 49AB
<i>Sphagnum recurvum</i> agg.	C, Dm	42.4	18, 32CD, 49AB
<i>Vaccinium uliginosum</i> ²⁸	C	41.9	40, 40AA, 45, 45AA, 49AB
<i>Sphagnum fuscum</i>	C, Dm	41.4	40, 40AA, 49AB

²⁸ Subspecies *Vaccinium *uliginosum* occurs.

<i>Vaccinium microcarpum</i>	C	41.4	40AA, 49AB
<i>Pinus mugo</i>	C, Dm	40.5	44, 44AA, 49AB
<i>Sphagnum capillifolium</i> agg.	C, Dm	37.7	40, 40AA, 49AB
<i>Polytrichum strictum</i>	C	34.9	49AB
<i>Vaccinium oxycoccus</i>	C	30.5	16BA, 18, 18AA, 40, 40AB
<i>Carex pauciflora</i>		29.4	32BB, 40, 40AB
<i>Vaccinium vitis-idaea</i>	C	28.8	18, 18AA, 45
<i>Empetrum nigrum</i> ²⁹	C	26.4	40, 40AA, 45, 45AA, 45AB
<i>Vaccinium myrtillus</i>	C, Dm	26.0	39, 44, 45
Constant species (19)			
<i>Vaccinium myrtillus</i>	Dg, Dm	83.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49AB
<i>Sphagnum magellanicum</i>	Dg	81.0	18, 40, 49AB
<i>Vaccinium vitis-idaea</i>	Dg	78.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49AB
<i>Eriophorum vaginatum</i>	Dg, Dm	76.0	18, 18AA, 40, 40AA, 40AB, 49AB
<i>Pinus mugo</i>	Dg, Dm	67.0	44, 44AA, 49AB
<i>Vaccinium uliginosum</i>	Dg	59.0	40, 40AA, 45, 45AA, 49AB
<i>Sphagnum capillifolium</i> agg.	Dg, Dm	54.0	32BB, 40, 40AA, 40AB, 49AB
<i>Sphagnum recurvum</i> agg.	Dg, Dm	50.0	18, 32CD, 49AB
<i>Polytrichum strictum</i>	Dg	48.0	18, 40, 49AB
<i>Vaccinium oxycoccus</i>	Dg	44.0	16BA, 18, 18AA, 32BB, 32CD, 40, 40AB, 49AB
<i>Picea abies</i>		41.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49AB
<i>Calluna vulgaris</i>		41.0	18, 39CA, 40, 48, 48AA, 48AC, 49AB, 50
<i>Sphagnum fuscum</i>	Dg, Dm	35.0	40, 40AA
<i>Pinus × celakovskiorum</i>	Dg, Dm	31.0	
<i>Polytrichum commune</i>	Dm	30.0	18, 18AA, 32CD, 40, 40AB
<i>Empetrum nigrum</i>	Dg	30.0	40, 40AA, 45, 45AA
<i>Vaccinium microcarpum</i>	Dg	28.0	
<i>Pleurozium schreberi</i>		26.0	18, 18AA, 26, 26BA, 39, 39CA, 44, 44AA, 45, 45AB, 48AD
<i>Carex nigra</i>		26.0	16BA, 18, 18AA, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 40, 40AB
Dominant species (9)			
<i>Pinus mugo</i>	Dg, C	31.0	44, 44AA, 49AB
<i>Sphagnum recurvum</i> agg.	Dg, C	24.0	16, 16BA, 18, 18AA, 32, 32BB, 32BE, 32CD, 40, 40AB, 49AB
<i>Vaccinium myrtillus</i>	Dg, C	17.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44, 44AA, 45, 45AB, 47, 47AB, 48, 48AD, 49AB
<i>Sphagnum capillifolium</i> agg.	Dg, C	15.0	32BB, 32CD, 40, 40AA, 40AB, 45, 45AB, 47AA, 49AB
<i>Pinus × celakovskiorum</i>	Dg, C	13.0	49AB
<i>Sphagnum fuscum</i>	Dg, C	6.0	40, 40AA, 49AB

²⁹ Both subspecies *Empetrum *hermaphroditum* and *E. *nigrum* (tetraploid and diploid populations) are expected.

<i>Polytrichum commune</i>	C	6.0	40, 40AB, 49AB
<i>Sphagnum girgensohnii</i>		4.0	40, 40AA, 47AA, 49AB
<i>Eriophorum vaginatum</i>	Dg, C	4.0	40, 40AA, 40AB, 49AB

Alliance 49AB Eriophoro-Piceion abietis

Communities of *Picea abies* and *Pinus mugo* agg. on peaty soils in montane to subalpine belt

No. of relevés: 54

Diagnostic species (10)

<i>Sphagnum magellanicum</i>	C	53.9	40, 40AA, 49
<i>Pinus</i> × <i>celakovskiorum</i> ³⁰	Dm	49.4	49
<i>Pinus mugo</i>	C, Dm	34.1	44, 44AA, 49
<i>Vaccinium microcarpum</i>		33.8	40AA, 49
<i>Eriophorum vaginatum</i>	C, Dm	33.4	18, 18AA, 40, 40AA, 40AB, 49
<i>Vaccinium uliginosum</i>	C	31.3	40, 40AA, 45, 45AA, 49
<i>Sphagnum fuscum</i>	Dm	29.7	40, 40AA, 49
<i>Polytrichum strictum</i>	C	26.8	49
<i>Sphagnum recurvum</i> agg.	C, Dm	24.7	18, 32CD, 49
<i>Sphagnum capillifolium</i> agg.	C, Dm	24.6	40, 40AA, 49

Constant species (12)

<i>Vaccinium myrtillus</i>	Dm	83.0	08, 13, 13AA, 18, 18AA, 20CA, 27BE, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 40, 44, 44AA, 45, 45AA, 45AB, 46, 46AA, 47, 47AA, 47AB, 47AC, 48AD, 49
<i>Sphagnum magellanicum</i>	Dg	81.0	18, 40, 49
<i>Vaccinium vitis-idaea</i>		78.0	08, 08AA, 13, 13AA, 18, 18AA, 39, 39AA, 39CA, 40, 42, 44, 44AA, 45, 45AA, 45AB, 47, 48AD, 49
<i>Eriophorum vaginatum</i>	Dg, Dm	76.0	18, 18AA, 40, 40AA, 40AB, 49
<i>Pinus mugo</i>	Dg, Dm	67.0	44, 44AA, 49
<i>Vaccinium uliginosum</i>	Dg	59.0	40, 40AA, 45, 45AA, 49
<i>Sphagnum capillifolium</i> agg.	Dg, Dm	54.0	32BB, 40, 40AA, 40AB, 49
<i>Sphagnum recurvum</i> agg.	Dg, Dm	50.0	18, 32CD, 49
<i>Polytrichum strictum</i>	Dg	48.0	18, 40, 49
<i>Vaccinium oxycoccos</i>		44.0	16BA, 18, 18AA, 32BB, 32CD, 40, 40AB, 49
<i>Picea abies</i>		41.0	07, 07AA, 07AC, 08, 08AA, 18, 18AA, 25, 27BD, 27BE, 28BA, 39, 39AA, 39BA, 39BB, 39BC, 39BD, 39CA, 44, 46, 46AA, 48AD, 49
<i>Calluna vulgaris</i>		41.0	18, 39CA, 40, 48, 48AA, 48AC, 49, 50

Dominant species (9)

<i>Pinus mugo</i>	Dg, C	31.0	44, 44AA, 49
<i>Sphagnum recurvum</i> agg.	Dg, C	24.0	16, 16BA, 18, 18AA, 32, 32BB, 32BE, 32CD, 40, 40AB, 49
<i>Vaccinium myrtillus</i>	C	17.0	20CA, 26, 26AA, 27AD, 39, 39AA, 44, 44AA, 45, 45AB, 47, 47AB, 48, 48AD, 49
<i>Sphagnum capillifolium</i> agg.	Dg, C	15.0	32BB, 32CD, 40, 40AA, 40AB, 45, 45AB, 47AA, 49
<i>Pinus</i> × <i>celakovskiorum</i>	Dg	13.0	49
<i>Sphagnum fuscum</i>	Dg	6.0	40, 40AA, 49

³⁰ Till now frequently used name for this hybrid was *Pinus* × *rhaetica* Brügger.

<i>Polytrichum commune</i>		6.0	40, 40AB, 49
<i>Sphagnum girgensohnii</i>		4.0	40, 40AA, 47AA, 49
<i>Eriophorum vaginatum</i>	Dg, C	4.0	40, 40AA, 40AB, 49

Class 50 *Franguletea***Acidophilous mesophilous scrub communities on nutrient poor soils**

No. of relevés: 14

Diagnostic species (20)

<i>Cytisus scoparius</i>	C, Dm	95.7	50AB
<i>Carthamus lanatus</i>	C	59.3	50AB
<i>Senecio sylvaticus</i>	C	51.1	50AB
<i>Galeopsis ladanum</i>	C	45.2	33AB, 37BB
<i>Agrimonia eupatoria</i>	C	44.1	50AB
<i>Rosa canina</i> agg.	C	42.5	25, 28, 28AA, 50AB
<i>Rumex acetosella</i>	C	41.6	48, 50AB
<i>Centaurea jacea</i> agg.	C	41.5	11AB
<i>Agrostis capillaris</i>	C	41.5	47
<i>Viola arvensis</i>	C	41.0	33AA, 33AB, 33BA
<i>Galium verum</i> agg.	C	39.7	
<i>Dianthus deltoides</i>		38.5	50AB
<i>Teucrium scorodonia</i>	C	36.4	34AA, 37BB
<i>Euphrasia officinalis</i> *kernerii		34.2	50AB
<i>Scorzoneroides autumnalis</i>	C	33.7	11AC
<i>Prunella vulgaris</i>	C		32.8
<i>Thymus pulegioides</i>	C	29.5	17AB
<i>Fraxinus ornus</i>		29.0	
<i>Crataegus monogyna</i>	C	26.5	27AA
<i>Atrichum undulatum</i>		26.3	

Constant species (31)

<i>Cytisus scoparius</i>	Dg, Dm	100.0	50AB
<i>Agrostis capillaris</i>	Dg	86.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50AB
<i>Rosa canina</i> agg.	Dg	79.0	25, 25AA, 27AD, 28, 28AA, 37BB, 50AB
<i>Rumex acetosella</i>	Dg	71.0	03CB, 09, 10CA, 14, 33AB, 34AA, 36DA, 48, 48AA, 50AB
<i>Euphorbia cyparissias</i>		57.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50AB
<i>Galium verum</i> agg.	Dg	57.0	10, 10BA, 10BB, 10CA, 17BC, 37, 37AB, 50AB
<i>Viola arvensis</i>	Dg	50.0	33AA, 33AB, 33BA, 50AB
<i>Prunella vulgaris</i>	Dg	50.0	17, 17AB, 17BC, 17DA, 32, 32AB, 50AB
<i>Centaurea jacea</i> agg.	Dg	50.0	11AB, 11CA, 17BC, 50AB
<i>Achillea millefolium</i> agg.		50.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 7EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50AB
<i>Agrimonia eupatoria</i>	Dg	50.0	10BA, 50AB
<i>Potentilla erecta</i>		43.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50AB

<i>Avenella flexuosa</i>		43.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50AB
<i>Anthoxanthum odoratum</i> agg.		43.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50AB
<i>Thymus pulegioides</i>	Dg	36.0	10BA, 10BB, 17AB
<i>Senecio sylvaticus</i>	Dg	36.0	
<i>Quercus petraea</i> agg.		36.0	25, 25AA, 26, 26AA, 26BA, 27, 27AB, 27AD, 27BB, 27BE, 37BB
<i>Plantago lanceolata</i>		36.0	02, 02AA, 02AB, 10, 10BA, 10BB, 10CA, 11CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 48AC
<i>Pimpinella saxifraga</i>		36.0	10, 10BA, 10BB, 17, 17AA, 17AB, 27AA, 37AB
<i>Scorzoneroides autumnalis</i>	Dg	36.0	11AC
<i>Galeopsis ladanum</i>	Dg	36.0	33AB, 37BB
<i>Crataegus monogyna</i>	Dg	36.0	27AA, 27AB, 28, 28AA, 29
<i>Carthamus lanatus</i>	Dg	36.0	
<i>Calluna vulgaris</i>		36.0	18, 39CA, 40, 48, 48AA, 48AC, 49, 49AB
<i>Teucrium scorodonia</i>	Dg	29.0	37BB
<i>Rubus fruticosus</i> agg.		29.0	29, 37BB
<i>Prunus spinosa</i>		29.0	25, 27AB, 27AC, 28, 28AA
<i>Poa nemoralis</i>		29.0	02AC, 03CD, 25, 25AA, 26, 26AA, 27, 27AB, 27AC, 27AD, 27BB, 28AB, 36CC, 46, 46AA
<i>Centaurea phrygia</i> agg.		29.0	
<i>Hypericum perforatum</i>		29.0	07, 07AA, 10, 10AB, 10CA, 25, 25AA, 28AC, 37, 37AB, 37BB, 48
<i>Calamagrostis epigejos</i>		29.0	07, 07AA, 26BA, 28BA
Dominant species (1)			
<i>Cytisus scoparius</i>	Dg, C	86.0	50AB

Alliance 50AB Ulici-Sarothamnion

Shrub communities of *Cytisus scoparius* on acid sands and skeleton-rich soils

No. of relevés: 14

Diagnostic species (8)

<i>Cytisus scoparius</i>	C, Dm	78.3	50
<i>Carthamus lanatus</i>		59.4	50
<i>Senecio sylvaticus</i>		37.4	50
<i>Euphrasia officinalis</i> *kernerii		31.2	50
<i>Rosa canina</i> agg.	C	26.1	25, 28, 28AA, 50
<i>Dianthus deltooides</i>		26.1	50
<i>Agrimonia eupatoria</i>	C	25.5	50
<i>Rumex acetosella</i>	C	24.1	48, 50

Constant species (14)

<i>Cytisus scoparius</i>	Dg, Dm	100.0	50
<i>Agrostis capillaris</i>		86.0	07, 07AA, 10BB, 10CA, 17, 17AB, 17EA, 17EB, 20CC, 28BA, 36DA, 37BA, 37BB, 47, 47AB, 47AC, 48, 48AA, 48AC, 50
<i>Rosa canina</i> agg.	Dg	79.0	25, 25AA, 27AD, 28, 28AA, 37BB, 50

<i>Rumex acetosella</i>	Dg	71.0	03CB, 09, 10CA, 14, 33AB, 34AA, 36DA, 48, 48AA, 50
<i>Euphorbia cyparissias</i>		57.0	08, 08AA, 09, 10, 10AA, 10AB, 10AC, 10AF, 10BA, 10BB, 10CA, 14, 27AA, 27AB, 28AC, 34, 37, 37AA, 50
<i>Galium verum</i> agg.		57.0	10, 10BA, 10BB, 10CA, 17BC, 37, 37AB, 50
<i>Viola arvensis</i>		50.0	33AA, 33AB, 33BA, 50
<i>Prunella vulgaris</i>		50.0	17, 17AB, 17BC, 17DA, 32, 32AB, 50
<i>Centaurea jacea</i> agg.		50.0	11AB, 11CA, 17BC, 50
<i>Achillea millefolium</i> agg.		50.0	02, 02AA, 02AB, 02BA, 06AC, 10, 10BA, 10BB, 10CA, 11, 11CA, 17, 17AA, 17AB, 17BB, 17BC, 17BD, 17EA, 17EB, 20CC, 20CE, 33AB, 37, 37AA, 37AB, 37BA, 46, 46AA, 47, 47AC, 48AC, 50
<i>Agrimonia eupatoria</i>	Dg	50.0	10BA, 50
<i>Potentilla erecta</i>		43.0	16BA, 17, 17AB, 17BA, 17BC, 18, 18AA, 19BB, 32, 32AB, 32AG, 32CA, 32CB, 32CC, 32CD, 47, 47AB, 47AC, 48AC, 50
<i>Avenella flexuosa</i>		43.0	13, 13AA, 20, 20CA, 20CC, 26, 26AA, 27AD, 37BA, 37BB, 39, 39AA, 39BA, 39BB, 39BC, 44, 44AA, 45, 45AA, 45AB, 47, 47AA, 47AB, 48, 48AA, 48AD, 50
<i>Anthoxanthum odoratum</i> agg.		43.0	06AC, 10BB, 10CA, 17, 17AA, 17AB, 17BC, 17BD, 17EA, 17EB, 20CA, 26BA, 30, 30AB, 32CA, 47, 47AA, 47AB, 47AC, 48AC, 50
Dominant species (1)			
<i>Cytisus scoparius</i>	Dg, C	86.0	50

Appendix 3

Alphabetical list of diagnostic, constant and dominant species of classes and alliances

The taxon name is followed by number of occurrences in the data set (in brackets). Status of the taxon (Dg – diagnostic, C – constant, Dm – dominant) in the relevant vegetation units is depicted by abbreviations of classes (capital letters) and alliances (small letters) in harmony with Appendix 1 and Tables 2 and 4, as well.

Abies alba (2235)

Dg: 39 VP, 39BD *Abi alb*, 39CA *Dic-Pin*

C: 08 EP, 27BD *Fagion*, 39 VP, 39BD *Abi alb*, 39CA *Dic-Pin*

Dm: 27BD *Fagion*, 39 VP, 39AA *Pic exc*, 39BD *Abi alb*

Acer campestre (2438)

Dg: 27 QF, 27AB *Que-cer*, 27AC *Ace-Que*, 27BB *Car bet*

C: 25 PU, 27 QF, 27AA *Que pub*, 27AB *Que-cer*, 27AC *Ace-Que*, 27BB *Car bet*

Acer negundo (187)

Dg: 29 RO, 29AA *Che-Rob*, 31 SP, 31AC *Sal alb*

Dm: 29 RO, 29AA *Che-Rob*

Acer platanoides (1185)

Dg: 27 QF, 27BC *Til-Ace*

Acer pseudoplatanus (3418)

Dg: 27 QF, 27BC *Til-Ace*

C: 07 EA, 27 QF, 27BC *Til-Ace*, 27BD *Fagion*, 28BA *Sam-Sal*, 39BD *Abi alb*

Dm: 27BC *Til-Ace*

Acer tataricum (215)

Dg: 27AC *Ace-Que*

C: 27AC *Ace-Que*

Acinos alpinus (655)

Dg: 10AF *Dia-Ses*

C: 10AF *Dia-Ses*

Acinos arvensis (776)

Dg: 10AB *Asp-Fes*, 34 SS, 34BA *Ara tha*

C: 10AB *Asp-Fes*, 34 SS, 34BA *Ara tha*

Aconitum anthora (142)

Dg: 28AC *Pru fru*

Aconitum firmum (1087)

Dg: 19 MC, 19AA *Cra-Cal*, 20CB *Tri fus*

C: 19 MC, 19AA *Cra-Cal*, 20CB *Tri fus*, 20DA

Adenost

Dm: 20CB *Tri fus*

Aconitum lycoctonum (92)

Dg: 46 BA, 46AA *Sal sil*

Aconitum variegatum (342)

Dg: 46 BA, 46AA *Sal sil*

C: 46 BA

Acosta rhenana → *Centaurea stoebe*

Actaea spicata (1067)

Dg: 27 QF, 27BC *Til-Ace*

Adenostyles alliariae (1153)

Dg: 20DA *Adenost*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 46 BA

C: 20DA *Adenost*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 46 BA

Dm: 20 MU, 20DA *Adenost*, 39BB *Chr-Pic*, 39BC *Ath-Pic*

Adonis aestivalis (30)

Dg: 33AA *Cau lap*

Aegopodium podagraria (2256)

C: 27BA *Aln inc*, 28AB *Cor-Pop*, 31AA *Sal inc*, 31AB *Sal tri*

Dm: 27BA *Aln inc*, 43AC *Aeg pod*

Aethusa cynapium (138)

Dg: 33AB *She arv*

C: 33AB *She arv*

Dm: 33AB *She arv*

Agrimonia eupatoria (1258)**Dg:** 50 FR, 50AB Uli-Sar**C:** 10BA Bro ere, 50 FR, 50AB Uli-Sar*Agrostis alpina* (75)**Dg:** 42 CK, 42AA Oxy-Ely*Agrostis canina* (805)**Dg:** 18 MB**C:** 18 MB, 18AA Eri-Bet, 32AG Sph-Tom, 32BB Rhy alb*Agrostis capillaris* (4960)**Dg:** 47 NS, 50 FR**C:** 07 EA, 07AA Atropio, 10BB Cir-Bra, 10CA Koe-Phl, 17 MA, 17AB Cyn cri, 17EA Pol-Tri, 17EB Poi alp, 20CC Cal aru, 28BA Sam-Sal, 36DA Gal seg, 37BA Mel pra, 37BB Teu sco, 47 NS, 47AB Nar-Agr, 47AC Vio can, 48 CU, 48AA Gen pil, 48AC Eup-Cal, 50 FR, 50AB Uli-Sar
Dm: 17EB Poi alp, 17EC Alc-Poi, 39BC Ath-Pic*Agrostis rupestris* (1434)**Dg:** 13 CC, 13AA Jun tri, 47AA Nardion**C:** 13 CC, 13AA Jun tri, 30 SH, 30AA Sal her, 45 LV, 45AA Loi-Vac, 47AA Nardion**Dm:** 13 CC, 13AA Jun tri*Agrostis stolonifera* (3366)**C:** 04 BT, 04AA Bid tri, 11 FP, 11AA Jun ger, 11AB Hal-Tri, 11AC Bec eru, 12 IN, 12AB Rad lin, 17BB Alo pra, 17BE Cni ven, 17CA Pot ans, 17DA Pla-Pru, 31AA Sal inc**Dm:** 11AA Jun ger, 17BB Alo pra, 17BE Cni ven, 17CA Pot ans, 22CA Oen aqu*Achillea distans* (303)**Dg:** 20CD Cal var*Achillea millefolium* agg. (9323)**C:** 02 AV, 02AA Ono aca, 02AB Dau-Mel, 02BA Con-Agr, 06AC Ses tat, 10 FB, 10BA Bro ere, 10BB Cir-Bra, 10CA Koe-Phl, 11 FP, 11CA Fes pse, 17 MA, 17AA Arh ela, 17AB Cyn cri, 17BB Alo pra, 17BC Molinio, 17BD Des cae, 17EA Pol-Tri, 17EB Poi alp, 20CC Cal aru, 20CE Fes car, 33AB She arv, 37 TG, 37AA Ger san, 37AB Tri med, 37BA Mel pra, 46 BA, 46AA Sal sil, 47 NS, 47AC Vio can, 48AC Eup-Cal, 50 FR, 50AB Uli-Sar
Dm: 33AB She arv*Achillea nobilis* (345)**Dg:** 10AB Asp-Fes*Aira elegantissima* (7)**Dg:** 10CA Koe-Phl*Ajuga reptans* (3510)**C:** 27 QF, 27BB Car bet*Alectoria ochroleuca* (535)**Dg:** 13 CC, 42 CK*Alchemilla spec. div.* (6198)**Dg:** 46 BA**C:** 06AC Ses tat, 17 MA, 17AA Arh ela, 17AB Cyn cri, 17DA Pla-Pru, 17EA Pol-Tri, 17EB Poi alp, 17EC Alc-Poi, 19AA Cra-Cal, 19AC Phi ser, 20 MU, 20CB Tri fus, 20CE Fes car, 20DA Adenost, 30BA Ara cae, 36BA And alp, 43AD Car-Urt, 43AE Rum alp, 46 BA, 46AA Sal sil, 47 NS, 47AC Vio can
Dm: 17EA Pol-Tri, 17EB Poi alp*Alisma plantago-aquatica* (741)**C:** 12AD Ela-Ele, 41 CF*Alliaria petiolata* (1238)**Dg:** 29 RO, 29AB Bal-Rob**C:** 25 PU, 29 RO, 29AB Bal-Rob*Allium angulosum* (128)**Dg:** 17BE Cni ven*Allium flavum* (562)**C:** 37BB Teu sco*Allium ochroleucum* (436)**Dg:** 08 EP, 08AA Pul-Pin**C:** 08 EP*Allium senescens* *montanum (723)**Dg:** 34 SS**C:** 34 SS, 34BA Ara tha**Dm:** 34 SS, 34BA Ara tha*Allium ursinum* (120)**Dg:** 27AC Ace-Que*Allium victorialis* (309)**Dg:** 20CC Cal aru, 46 BA**C:** 46 BA*Allium vineale* (73)**Dg:** 29 RO, 29AB Bal-Rob**C:** 29 RO, 29AB Bal-Rob*Alnus glutinosa* (783)**Dg:** 01 AG, 01BA Aln glu

C: 01 AG, 01BA *Aln glu*
Dm: 01 AG, 01BA *Aln glu*, 27BA *Aln inc*

Alnus incana (514)
Dg: 18 MB, 28AB *Cor-Pop*, 31AA *Sal inc*
 C: 18 MB
Dm: 27BA *Aln inc*, 28 RH, 28AB *Cor-Pop*

Alopecurus aequalis (259)
Dg: 41 CF
 C: 41 CF
Dm: 04 BT, 04AA *Bid tri*

Alopecurus geniculatus (189)
Dg: 11AC *Bec eru*, 12 IN
 C: 11AC *Bec eru*
Dm: 17CA *Pot ans*

Alopecurus pratensis (2489)
Dg: 17 MA, 17BB *Alo pra*, 17BE *Cni ven*
 C: 17 MA, 17BB *Alo pra*, 17BE *Cni ven*
Dm: 17BB *Alo pra*, 17BE *Cni ven*

Alyssum montanum (397)
Dg: 10 FB, 10AC *Bro-Fes*

Amaranthus crispus (18)
Dg: 33EC *Era-Pol*
Dm: 33EC *Era-Pol*

Amaranthus hybridus agg.¹ (717)
Dg: 33 SM, 33BC *Pan-Set*
 C: 33BC *Pan-Set*
Dm: 33EB *Sal rut*

Ambrosia artemisiifolia (84)
Dg: 14BA *Koe are*

Amelanchier ovalis (142)
Dg: 08 EP, 08AA *Pul-Pin*

Anagallis arvensis (448)
Dg: 33AB *She arv*, 33BB *Spe-Oxa*
 C: 33AB *She arv*, 33BB *Spe-Oxa*
Dm: 33AB *She arv*

Andromeda polifolia (56)
Dg: 32BB *Rhy alb*, 40 OS, 40AB *Sph med*
 C: 32BB *Rhy alb*

Androsace chamaejasme (335)
Dg: 06AA *Car fir*, 42 CK, 42AA *Oxy-Ely*
 C: 42AA *Oxy-Ely*

Androsace lactea (230)
Dg: 06AA *Car fir*

Anemone ranunculoides (272)
Dg: 27AC *Ace-Que*

Angelica sylvestris (1817)
Dg: 31 SP
 C: 31 SP, 31AA *Sal inc*, 31AB *Sal tri*

Anomodon viticulosus (78)
Dg: 03 AT, 03AB *Cystopt*

Antennaria carpatica (150)
Dg: 42 CK, 42AA *Oxy-Ely*, 42AB *Fes ver*

Anthelia juratzkana (186)
Dg: 30 SH, 30AA *Sal her*, 30BA *Ara cae*

Anthemis arvensis (354)
Dg: 33AB *She arv*
 C: 33AB *She arv*
Dm: 33AB *She arv*

Anthemis austriaca → *Cota austriaca*

Anthemis cotula (164)
Dg: 33DC *Mal neg*
Dm: 33DC *Mal neg*

Anthemis ruthenica (75)
Dg: 14 KC
Dm: 33EA *Eragras*

Anthemis tinctoria → *Cota tinctoria*

Anthericum ramosum (1593)
Dg: 08 EP, 10AF *Dia-Ses*
 C: 08 EP, 08AA *Pul-Pin*, 10 FB, 10AC *Bro-Fes*,
 10AF *Dia-Ses*

Anthoxanthum odoratum agg.² (6578)
 C: 06AC *Ses tat*, 10BB *Cir-Bra*, 10CA *Koe-Phl*, 17
 MA, 17AA *Arh ela*, 17AB *Cyn cri*, 17BC *Molinio*,
 17BD *Des cae*, 17EA *Pol-Tri*, 17EB *Poi alp*, 20CA
 Cal vil, 26BA *Pin-Que*, 30 SH, 30AB *Fes pic*, 32CA

¹ *Amaranthus retroflexus* L. and *A. powellii* S. Watson prevail.

² In lower altitudes *Anthoxanthum odoratum* L. and in subalpine belt *A. alpinum* Á. Löve et D. Löve prevail.

Car fus, 47 NS, 47AA *Nardion*, 47AB *Nar-Agr*,
47AC *Vio can*, 48AC *Eup-Cal*, 50 FR, 50AB *Uli-Sar*

Anthriscus caucalis (86)
Dm: 43AA *Gal-All*

Anthriscus cerefolium **trichosperma* (156)
Dg: 28BB *Arc-Sam*, 29 RO, 29AB *Bal-Rob*
C: 29 RO, 29AB *Bal-Rob*
Dm: 29 RO, 29AB *Bal-Rob*, 43 GU, 43AA *Gal-All*

Anthriscus nitida (224)
Dm: 43AD *Car-Urt*

Anthriscus sylvestris (1473)
Dg: 43 GU, 43AC *Aeg pod*
C: 43AC *Aeg pod*
Dm: 43 GU, 43AC *Aeg pod*

Anthyllis vulneraria (2376)
Dg: 06 ES, 10 FB
C: 06 ES, 06AB *Ast-Ses*, 10 FB, 10AC *Bro-Fes*,
10AF *Dia-Ses*, 10BA *Bro ere*

Apometzgeria pubescens (75)
Dg: 03AB *Cystopt*

Arabis alpina (464)
Dg: 36 TR, 36AA *Pap tat*, 36CC *Ara alp*
C: 30BA *Ara cae*, 36AA *Pap tat*, 36CC *Ara alp*
Dm: 36CC *Ara alp*

Arabis soyeri **subcoriacea* (72)
Dg: 19 MC, 19AE *Cra com*
C: 19AE *Cra com*

Arabidopsis arenosa agg. (1760)
Dg: 03 AT
C: 02AC *Ery-Hac*, 03 AT, 03AB *Cystopt*, 03CD *Hy-*
p-Pol, 36 TR, 36AA *Pap tat*, 36CC *Ara alp*, 46 BA

Arabidopsis neglecta (231)
Dg: 36BA *And alp*, 42 CK
C: 36BA *And alp*

Arabidopsis thaliana (166)
Dg: 10CA *Koe-Phl*

Arctium lappa (841)
Dm: 02AD *Arc lap*

Arctium minus (205)
Dm: 02AD *Arc lap*

Arctium tomentosum (529)
Dm: 02AD *Arc lap*

Arctostaphylos uva-ursi (85)
Dg: 08 EP, 08AA *Pul-Pin*

Arenaria serpyllifolia agg. (889)
Dg: 10AB *Asp-Fes*, 34 SS
C: 10AB *Asp-Fes*, 34 SS

Arenaria tenella (208)
Dg: 06AA *Car fir*, 36AA *Pap tat*, 42AA *Oxy-Ely*

Aristolochia clematitis (175)
Dm: 29AB *Bal-Rob*

Armeria vulgaris **vulgaris* (29)
Dg: 09 FV

Arrhenatherum elatius (3166)
C: 10BA *Bro ere*, 10BB *Cir-Bra*, 10CA *Koe-Phl*,
17AA *Arh ela*
Dm: 17AA *Arh ela*, 29AA *Che-Rob*

Artemisia absinthium (270)
Dg: 02AA *Ono aca*, 14BA *Koe are*
C: 02AA *Ono aca*
Dm: 02AA *Ono aca*

Artemisia annua (58)
Dm: 33DB *Atr nit*

Artemisia eriantha (61)
Dg: 42 CK, 42AA *Oxy-Ely*

Artemisia santonicum **patens* (82)
Dg: 11 FP, 11BA *Puc lim*, 11CA *Fes pse*, 35 TS
Dm: 11CA *Fes pse*

Artemisia vulgaris (2870)
Dg: 02 AV
C: 02 AV, 02AA *Ono aca*, 02AB *Dau-Mel*, 02AD
Arc lap, 02BA *Con-Agr*, 33DA *Sis off*, 33DB *Atr nit*,
43 GU, 43AA *Gal-All*, 43BA *Sen flu*
Dm: 02 AV, 02AB *Dau-Mel*, 02AD *Arc lap*

Arum alpinum (215)
Dg: 27AC *Ace-Que*
C: 27AC *Ace-Que*

Asarum europaeum (2761)
Dg: 27 QF, 28AB *Cor-Pop*
C: 27 QF, 27BC *Til-Ace*, 27BD *Fagion*, 28 RH,
28AB *Cor-Pop*, 46 BA

Asperugo procumbens (120)**Dm:** 43AA *Gal-All**Asperula cynanchica* (1711)**Dg:** 10 *FB*, 10AA *Fes val*, 10AC *Bro-Fes*
C: 10 *FB*, 10AA *Fes val*, 10AB *Asp-Fes*, 10AC *Bro-Fes*, 10AF *Dia-Ses**Asperula tinctoria* (584)**Dg:** 08 *EP*, 08AA *Pul-Pin*, 27AA *Que pub*
C: 08 *EP**Asplenium ruta-muraria* (805)**Dg:** 03BA *Cym-Asp*, 08 *EP*, 08AA *Pul-Pin*
C: 03BA *Cym-Asp*, 08 *EP*, 08AA *Pul-Pin**Asplenium scolopendrium* (94)**Dg:** 27BC *Til-Ace**Asplenium septentrionale* (84)**Dg:** 03CB *Asp sep*, 34 *SS*, 34BA *Ara tha*
C: 03CB *Asp sep**Asplenium trichomanes* (616)**Dg:** 03 *AT*, 03BA *Cym-Asp*, 03CD *Hyp-Pol*
C: 03 *AT*, 03AB *Cystopt*, 03BA *Cym-Asp*, 03CB *Asp sep*, 03CD *Hyp-Pol**Asplenium viride* (708)**Dg:** 03 *AT*, 03AB *Cystopt*
C: 03 *AT*, 03AB *Cystopt**Aster alpinus* (354)**Dg:** 03AA *Pot cau**Aster canus* → *Galatella cana**Aster novi-belgii* agg.³ (416)**Dg:** 31 *SP*, 31AC *Sal alb*
C: 31 *SP*
Dm: 31AB *Sal tri*, 43 *GU*, 43BA *Sen flu**Astragalus australis* (82)**Dg:** 42AA *Oxy-Ely**Astragalus frigidus* (43)**Dg:** 42AA *Oxy-Ely**Astragalus glycyphyllos* (910)**Dg:** 25 *PU*, 27AB *Que-cer*
C: 25 *PU*, 27AB *Que-cer**Astragalus norvegicus* (20)**Dg:** 42AA *Oxy-Ely**Astrantia major* (1126)**Dg:** 20CE *Fes car*, 46 *BA*, 46AA *Sal sil*
C: 20CE *Fes car*, 46 *BA*, 46AA *Sal sil**Athyrium distentifolium* (730)**Dg:** 20DA *Adenost*, 39BC *Ath-Pic*, 44 *RP*
C: 20DA *Adenost*, 39BC *Ath-Pic*, 44 *RP*
Dm: 20 *MU*, 20DA *Adenost*, 39BC *Ath-Pic**Athyrium filix-femina* (2865)**Dg:** 07 *EA*, 39 *VP*
C: 01 *AG*, 01BA *Aln glu*, 07 *EA*, 07AC *Car-Epi*, 19BC *Car rem*, 27BD *Fagion*, 27BE *Luz-Fag*, 28BA *Sam-Sal*, 39 *VP*, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 39BD *Abi alb**Atrichum undulatum* (378)**Dg:** 50 *FR**Atriplex littoralis* (12)**Dg:** 11BA *Puc lim**Atriplex patula* (558)**Dg:** 33AB *She arv*
C: 33AB *She arv*
Dm: 33AB *She arv**Atriplex prostrata* (256)**Dg:** 04 *BT*, 04AB *Che gla**Atriplex sagittata* (374)**Dg:** 33DB *Atr nit*
C: 33DB *Atr nit*
Dm: 33 *SM*, 33DB *Atr nit**Atriplex tatarica* (572)**Dg:** 33DB *Atr nit*
C: 33DB *Atr nit*
Dm: 33DA *Sis off*, 33DB *Atr nit**Atropa bella-donna* (114)**Dg:** 07 *EA*, 07AA *Atropio*
C: 07AA *Atropio**Aulacomnium palustre* (797)**Dg:** 32 *SC*, 32AG *Sph-Tom*, 32CC *Dre exa*, 32BB *Rhy alb*, 40 *OS*
C: 32AG *Sph-Tom*, 32CC *Dre exa*, 32BB *Rhy alb*
Dm: 32AG *Sph-Tom*³ *Aster lanceolatus* Willd. prevails.

Avena fatua (142)**Dg:** 33AA *Cau lap*, 33AB *She arv***Dm:** 33AB *She arv**Avenella flexuosa* (4267)**Dg:** 44 *RP***C:** 13 *CC*, 13AA *Jun tri*, 20 *MU*, 20CA *Cal vil*, 20CC *Cal aru*, 26 *QR*, 26AA *Gen-Que*, 27AD *Que pet*, 37BA *Mel pra*, 37BB *Teu sco*, 39 *VP*, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 44 *RP*, 44AA *Pin mug*, 45 *LV*, 45AA *Loi-Vac*, 45AB *Vac myr*, 47 *NS*, 47AA *Nardion*, 47AB *Nar-Agr*, 48 *CU*, 48AA *Gen pil*, 48AD *Gen-Vac*, 50 *FR*, 50AB *Uli-Sar***Dm:** 20CC *Cal aru*, 26AA *Gen-Que*, 37BA *Mel pra*, 47 *NS*, 47AB *Nar-Agr**Avenula planiculmis* (409)**Dg:** 47 *NS*, 47AC *Vio can**Avenula pubescens* (882)**Dg:** 10BA *Bro ere**Avenula versicolor* (1330)**Dg:** 13 *CC*, 13AA *Jun tri*, 45 *LV*, 45AA *Loi-Vac***C:** 13 *CC*, 13AA *Jun tri*, 42 *CK*, 45 *LV*, 45AA *Loi-Vac*, 47AA *Nardion**Azolla filiculoides* (6)**Dm:** 15AA *Lem min**Ballota nigra* (1151)**Dg:** 02 *AV*, 02AA *Ono aca*, 02AD *Arc lap*, 28BB *Arc-Sam***C:** 02 *AV*, 02AA *Ono aca*, 02AD *Arc lap*, 28BB *Arc-Sam**Barbula crocea* (77)**Dg:** 03AB *Cystopt**Bartamia halleriana* (8)**Dg:** 03CD *Hyp-Pol**Bartamia ithyphylla* (95)**Dg:** 36BA *And alp**Bartsia alpina* (947)**Dg:** 06AA *Car fir*, 06AC *Ses tat*, 42 *CK*, 42AB *Fes ver***C:** 06 *ES*, 06AA *Car fir*, 06AC *Ses tat*, 30BA *Ara cae*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver**Bassia laniflora* (20)**Dg:** 14 *KC**Batrachium* → *Ranunculus**Bassia scoparia* (36)**Dm:** 33DB *Atr nit**Beckmannia eruciformis* (9)**Dg:** 11AC *Bec eru***C:** 11AC *Bec eru***Dm:** 11AC *Bec eru**Bellidiastrum michelii* (1140)**Dg:** 06 *ES*, 06AC *Ses tat*, 08 *EP***C:** 03 *AT*, 03AB *Cystopt*, 06 *ES*, 06AA *Car fir*, 06AC *Ses tat*, 08 *EP*, 30BA *Ara cae**Berteroa incana* (365)**Dg:** 02 *AV***Dm:** 02 *AV*, 02AB *Dau-Mel**Berula erecta* (120)**Dg:** 22BA *Sph-Gly***Dm:** 22BA *Sph-Gly**Betula pendula* (547)**Dg:** 26 *QR***C:** 26 *QR**Betula pubescens* (242)**Dg:** 18 *MB*, 18AA *Eri-Bet*, 39CA *Dic-Pin***C:** 18 *MB*, 18AA *Eri-Bet*, 39CA *Dic-Pin***Dm:** 18 *MB*, 18AA *Eri-Bet**Bidens frondosa* (367)**Dg:** 04 *BT***Dm:** 04 *BT*, 04AA *Bid tri**Bidens tripartita* (764)**Dg:** 04 *BT*, 04AA *Bid tri*, 12 *IN***C:** 04 *BT*, 04AA *Bid tri*, 11AC *Bec eru*, 12 *IN*, 12AD *Ela-Ele***Dm:** 04 *BT*, 04AA *Bid tri**Bistorta major* (1748)**C:** 20CB *Tri fus*, 20CE *Fes car**Bistorta vivipara* (1646)**Dg:** 06AA *Car fir*, 30BA *Ara cae*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver***C:** 06 *ES*, 06AA *Car fir*, 06AC *Ses tat*, 30BA *Ara cae*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver**Blepharostoma trichophyllum* (211)**Dg:** 36BA *And alp*

Blindia acuta (53)**Dg:** 19AC *Phi ser***Bolboschoenus maritimus** (76)**Dg:** 22DA *Cir-Bol***Dm:** 22CA *Oen aqu*, 22DA *Cir-Bol***Bothriochloa ischaemum** (463)**Dg:** 10 *FB*, 10AB *Asp-Fes***Dm:** 02BA *Con-Agr*, 09 *FV*, 09AA *Fes vag***Brachypodium pinnatum** (1726)**Dg:** 10BB *Cir-Bra*, 37 *TG***C:** 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra*, 27AA *Que pub*, 37 *TG*, 37AA *Ger san*, 37AB *Tri med***Dm:** 10 *FB*, 10BB *Cir-Bra*, 20CD *Cal var*, 27AA *Que pub*, 37 *TG*, 37AA *Ger san***Brachypodium sylvaticum** (1837)**Dg:** 27AC *Ace-Que***C:** 07AA *Atropio*, 27AA *Que pub*, 27AB *Que-cer*, 27AC *Ace-Que***Dm:** 43AB *Imp-Sta***Brachytheceium reflexum** (254)**Dg:** 20DA *Adenost***Dm:** 20DA *Adenost***Brachytheceium rivulare** (438)**Dg:** 19 *MC*, 19AA *Cra-Cal*, 19BC *Car rem***C:** 19 *MC***Dm:** 19AA *Cra-Cal***Brachytheceium starkei** (180)**Dg:** 26 *QR*, 26BA *Pin-Que***Brachytheceium velutinum** (349)**Dg:** 25 *PU***C:** 25 *PU***Briza media** (5462)**Dg:** 17 *MA*, 32 *SC***C:** 10BA *Bro ere*, 10BB *Cir-Bra*, 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BC *Molinto*, 17EA *Pol-Tri*, 32 *SC*, 32AB *Car dav*, 32AG *Sph-Tom*, 32CC *Dre exa*, 48AC *Eup-Cal***Bromus benekenii** (657)**Dg:** 25 *PU***C:** 25 *PU***Bromus erectus** (821)**Dg:** 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra***C:** 10BA *Bro ere*, 10BB *Cir-Bra***Dm:** 10BA *Bro ere***Bromus inermis** (164)**Dm:** 02BA *Con-Agr***Bromus monocladus** (302)**Dg:** 10AF *Dia-Ses***Bromus sterilis** (825)**Dg:** 29 *RO*, 29AB *Bal-Rob***C:** 29 *RO*, 29AB *Bal-Rob*, 33DA *Sis off***Dm:** 29 *RO*, 29AB *Bal-Rob*, 33DA *Sis off***Bromus tectorum** (541)**Dm:** 02AC *Ery-Hac*, 14 *KC*, 14BA *Koe are*, 29AA *Che-Rob*, 33DA *Sis off***Bryum argenteum** (243)**Dg:** 23AB *Sag pro***Dm:** 23AB *Sag pro***Bryum elegans** (85)**Dg:** 30BA *Ara cae***Bryum pallens** (7)**Dg:** 19AC *Phi ser***Bryum pseudotriquetrum** (1415)**Dg:** 16BA *Sco-Utr*, 19 *MC*, 19AE *Cra com*, 32 *SC***C:** 16BA *Sco-Utr*, 19 *MC*, 19AC *Phi ser*, 19AE *Cra com*, 19BB *Lyc-Cra*, 32 *SC*, 32AB *Car dav*, 32AG *Sph-Tom*, 32CB *Car las***Bryum weigelii** (42)**Dg:** 19AC *Phi ser***Bucegia romanica** (19)**Dg:** 30BA *Ara cae***Buphthalmum salicifolium** (227)**Dg:** 08 *EP***Bupleurum falcatum** (822)**Dg:** 10AF *Dia-Ses***C:** 10AF *Dia-Ses***Bupleurum longifolium** (174)**Dg:** 46 *BA*, 46AA *Sal sil***C:** 46 *BA*, 46AA *Sal sil***Bupleurum ranunculoides** (103)**Dg:** 42AA *Oxy-Ely***Bupleurum tenuissimum** (79)**Dg:** 11 *FP*, 11BA *Puc lim*, 11CA *Fes pse***C:** 11CA *Fes pse*

Butomus umbellatus (217)**Dm:** 22CA *Oen aqu****Calamagrostis arundinacea*** (1873)**Dg:** 20CC *Cal aru*, 39 *VP*, 46 *BA*, 46AA *Sal sil*
C: 07 *EA*, 20CC *Cal aru*, 39 *VP*, 39BD *Abi alb*, 46 *BA*, 46AA *Sal sil***Dm:** 07 *EA*, 07AC *Car-Epi*, 17EC *Alc-Poi*, 20 *MU*, 20CC *Cal aru*, 25 *PU*, 25AA *Cyt-Pin*, 27BE *Luz-Fag*, 39BD *Abi alb*, 46 *BA*, 46AA *Sal sil*, 47AB *Nar-Agr****Calamagrostis canescens*** (235)**Dg:** 01 *AG****Calamagrostis epigejos*** (906)**Dg:** 07 *EA*, 07AA *Atropio*, 26BA *Pin-Que*
C: 07 *EA*, 07AA *Atropio*, 26BA *Pin-Que*, 28BA *Sam-Sal*, 50 *FR***Dm:** 07 *EA*, 07AA *Atropio*, 07AC *Car-Epi*, 26 *QR*, 26BA *Pin-Que****Calamagrostis pseudophragmites*** (96)**Dg:** 22BB *Pha aru*, 31AA *Sal inc***Dm:** 22BB *Pha aru****Calamagrostis varia*** (1346)**Dg:** 08 *EP*, 08AA *Pul-Pin*, 20CD *Cal var*
C: 08 *EP*, 08AA *Pul-Pin*, 20CD *Cal var*
Dm: 06AC *Ses tat*, 20 *MU*, 20CD *Cal var*, 20CE *Fes car*, 46 *BA*, 46AA *Sal sil****Calamagrostis villosa*** (2478)**Dg:** 18 *MB*, 20CA *Cal vil*, 39 *VP*, 44 *RP*
C: 18 *MB*, 18AA *Eri-Bet*, 20 *MU*, 20CA *Cal vil*, 20DA *Adenost*, 39 *VP*, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 44 *RP*, 44AA *Pin mug*, 45 *LV*, 46 *BA*, 46AA *Sal sil*
Dm: 18 *MB*, 18AA *Eri-Bet*, 20 *MU*, 20CA *Cal vil*, 20CC *Cal aru*, 39 *VP*, 39AA *Pic exc*, 39BC *Ath-Pic*, 44 *RP*, 44AA *Pin mug*, 46 *BA*, 46AA *Sal sil****Callianthemum coriandrifolium*** (72)**Dg:** 42 *CK****Calliergon cordifolium*** (70)**Dg:** 17BF *Ver-Lys***C:** 17BF *Ver-Lys****Calliergon giganteum*** (259)**Dg:** 32CB *Car las***Dm:** 32CB *Car las****Calliergon sarmentosum*** (68)**Dg:** 19AC *Phi ser***Dm:** 32CC *Dre exa****Calliergonella cuspidata*** (1712)**Dg:** 32 *SC***C:** 16BA *Sco-Utr*, 32 *SC*, 32AG *Sph-Tom****Calluna vulgaris*** (744)**Dg:** 48 *CU*, 48AA *Gen pil*, 48AC *Eup-Cal*
C: 18 *MB*, 39CA *Dic-Pin*, 40 *OS*, 48 *CU*, 48AA *Gen pil*, 48AC *Eup-Cal*, 49 *VU*, 49AB *Eri-Pic*, 50 *FR***Dm:** 40AA *Oxy-Emp*, 45 *LV*, 45AA *Loi-Vac*, 47AB *Nar-Agr*, 48 *CU*, 48AA *Gen pil*, 48AC *Eup-Cal****Caloplaca ammiospila*** (60)**Dg:** 06AA *Car fir****Caltha palustris*** (4158)**Dg:** 01 *AG*, 19 *MC***C:** 01 *AG*, 01BA *Aln glu*, 16BA *Sco-Utr*, 17BA *Cal pal*, 18 *MB*, 19 *MC*, 19AA *Cra-Cal*, 19AC *Phi ser*, 19BB *Lyc-Cra*, 19BC *Car rem*, 22 *PM*, 22EA *Mag ela*, 32 *SC*, 32AB *Car dav*, 32CA *Car fus*, 32CC *Dre exa***Dm:** 01 *AG*, 01BA *Aln glu*, 17BA *Cal pal*, 19 *MC*, 19AA *Cra-Cal*, 19BC *Car rem****Calystegia sepium*** (1272)**Dg:** 01 *AG*, 31 *SP*, 31AB *Sal tri*, 43BA *Sen flu***C:** 01 *AG*, 31 *SP*, 31AB *Sal tri*, 43 *GU*, 43BA *Sen flu***Dm:** 43 *GU*, 43BA *Sen flu****Campanula alpina*** (1872)**Dg:** 13 *CC*, 13AA *Jun tri*, 42 *CK*, 42AB *Fes ver*, 45 *LV*, 45AA *Loi-Vac***C:** 13 *CC*, 13AA *Jun tri*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver*, 45 *LV*, 45AA *Loi-Vac****Campanula carpatica*** (329)**Dg:** 08 *EP*, 36CB *Par off***C:** 36CB *Par off***Dm:** 36CB *Par off*, 36CC *Ara alp****Campanula cochleariifolia*** (830)**Dg:** 03 *AT*, 03AA *Pot cau*, 08 *EP***C:** 03 *AT*, 03AA *Pot cau*, 06 *ES*, 06AA *Car fir*, 08 *EP*, 08AA *Pul-Pin****Campanula glomerata*** (1216)**Dg:** 46 *BA***C:** 10BB *Cir-Bra*, 46 *BA*, 46AA *Sal sil****Campanula moravica*** (260)**Dg:** 10AF *Dia-Ses****Campanula patula*** (2893)**Dg:** 17 *MA*, 17AA *Arh ela***C:** 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17EA *Pol-Tri*

Campanula persicifolia (1533)**Dg:** 25 PU**C:** 25 PU**Campanula rapunculoides** (2212)**Dg:** 02AC Ery-Hac, 08 EP, 25 PU**C:** 02AC Ery-Hac, 08 EP, 25 PU, 25AA Cyt-Pin**Dm:** 33AB She arv**Campanula rotundifolia** agg.⁴ (1405)**Dg:** 42 CK, 42AA Oxy-Ely**C:** 42 CK, 42AA Oxy-Ely, 42AB Fes ver**Campanula serrata** (1397)**Dg:** 20CC Cal aru, 46 BA, 46AA Sal sil**C:** 20CC Cal aru, 46 BA, 46AA Sal sil, 47 NS**Campanula sibirica** (401)**Dg:** 10 FB, 10AC Bro-Fes**C:** 10AC Bro-Fes**Campanula trachelium** (1815)**C:** 27AC Ace-Que, 28 RH, 28AB Cor-Pop**Camphorosma annua** (87)**Dg:** 35 TS, 35AB The-Cam**C:** 35 TS, 35AB The-Cam**Dm:** 35 TS, 35AB The-Cam**Campylium elodes** (8)**Dg:** 11AB Hal-Tri**Dm:** 11AB Hal-Tri**Campylium stellatum** (1560)**Dg:** 32 SC**C:** 16BA Sco-Utr, 32 SC, 32AB Car dav, 32CB Car las**Dm:** 19BC Car rem, 22DA Cir-Bol, 32AB Car dav**Campylopus schimperii** (19)**Dg:** 42AA Oxy-Ely**Capsella bursa-pastoris** (1814)**Dg:** 23 PP, 33 SM**C:** 17EC Alc-Poi, 23 PP, 23AA Mat-Pol, 33 SM, 33AC Ver-Eup, 33BA Scl ann, 33BB Spe-Oxa, 33BC Pan-Set, 33DA Sis off**Cardamine amara** *amara(805)**Dg:** 19 MC, 19BC Car rem**C:** 19 MC, 19BC Car rem**Dm:** 19 MC, 19BC Car rem**Cardamine amara** *opicii (229)**Dg:** 19 MC, 19AA Cra-Cal**C:** 19 MC, 19AA Cra-Cal**Dm:** 19 MC, 19AA Cra-Cal**Cardamine bulbifera** (1971)**Dg:** 25 PU, 27 QF, 27BC Til-Ace, 27BD Fagion**C:** 25 PU, 27 QF, 27BC Til-Ace, 27BD Fagion**Cardamine pratensis** agg. (2259)**Dg:** 17BE Cni ven, 46 BA**C:** 17BB Alo pra, 17BE Cni ven, 46 BA**Cardaminopsis** → **Arabidopsis****Cardaria draba** (475)**Dg:** 02 AV, 02BA Con-Agr**C:** 02BA Con-Agr**Dm:** 02 AV, 02BA Con-Agr, 33DA Sis off**Carduus acanthoides** (1123)**Dg:** 02 AV, 02AA Ono aca, 02AB Dau-Mel**C:** 02 AV, 02AA Ono aca, 02AB Dau-Mel**Dm:** 02AB Dau-Mel**Carduus collinus** (156)**Dg:** 10AB Asp-Fes, 28AC Pru fru**Carduus crispus** (172)**Dg:** 43BA Sen flu**Dm:** 43BA Sen flu**Carduus glaucinus** (987)**Dg:** 08 EP, 08AA Pul-Pin, 20CD Cal var**C:** 06 ES, 08 EP, 08AA Pul-Pin, 20CD Cal var**Carduus personata** (705)**Dg:** 20EA Pet off**Dm:** 43AD Car-Urt**Carex acuta** (1456)**Dg:** 22 PM, 22EA Mag ela**C:** 22 PM, 22EA Mag ela**Dm:** 22 PM, 22EA Mag ela**Carex acutiformis** (833)**Dg:** 01 AG**Dm:** 01 AG, 01BA Aln glu, 22 PM, 22EA Mag ela**Carex alba** (601)**Dm:** 39BD Abi alb⁴ *Campanula tatrae* extremely prevails.

Carex atrata* agg.** (449)**Dg:** 42 CK, 42AA Oxy-Ely**C:** 42 CK, 42AA Oxy-ElyCarex brachystachys*** (91)**Dg:** 03 AT, 03AB Cystopt***Carex buekii*** (69)**Dg:** 22BB Pha aru**Dm:** 22BB Pha aru***Carex buxbaumii* agg.** (195)**Dg:** 17BC Molinio***Carex canescens*** (514)**Dg:** 18 MB, 18AA Eri-Bet**C:** 18 MB***Carex capillaris*** (94)**Dg:** 42AA Oxy-Ely***Carex caryophyllea*** (1096)**Dg:** 10 FB, 10BA Bro ere, 10BB Cır-Bra***Carex davalliana*** (1466)**Dg:** 32 SC, 32AB Car dav**C:** 32 SC, 32AB Car dav, 32AG Sph-Tom**Dm:** 32 SC, 32AB Car dav***Carex diandra*** (208)**Dg:** 32CB Car las**Dm:** 32CB Car las***Carex digitata*** (1717)**Dg:** 08 EP, 08AA Pul-Pin**C:** 08 EP, 08AA Pul-Pin***Carex dioica*** (309)**Dg:** 32 SC, 32CC Dre exa***Carex distans*** (243)**Dg:** 11 FP, 11AB Hal-Tri**C:** 11AB Hal-Tri**Dm:** 11AA Jun ger***Carex divisa*** (22)**Dg:** 11AA Jun ger**Dm:** 11AA Jun ger***Carex echinata*** (1008)**Dg:** 18 MB, 32 SC, 32CA Car fus**C:** 18 MB, 18AA Eri-Bet, 32 SC, 32AG*Sph-Tom*, 32CA Car fus, 32CC Dre exa, 32CD*Sph-Car****Carex elata*** (437)**Dm:** 22 PM, 22EA Mag ela***Carex elongata*** (203)**Dg:** 01 AG, 01BA Aln glu**C:** 01 AG**Dm:** 01BA Aln glu***Carex ericetorum*** (70)**Dg:** 48AA Gen pil***Carex firma*** (731)**Dg:** 03 AT, 03AA Pot cau, 06 ES, 06AA Car fir**C:** 03 AT, 03AA Pot cau, 06 ES, 06AA Car fir, 42AA Oxy-Ely**Dm:** 03AA Pot cau, 06 ES, 06AA Car fir, 42AA Oxy-Ely***Carex flacca*** (1151)**Dg:** 19BB Lyc-Cra**C:** 19BB Lyc-Cra***Carex flava* agg.** (2003)**Dg:** 32 SC, 32AB Car dav**C:** 16BA Sco-Utr, 19BB Lyc-Cra, 32 SC, 32AB Car dav, 32CA Car fus, 32CC Dre exa***Carex fuliginosa*** (225)**Dg:** 42 CK, 42AA Oxy-Ely**C:** 42 CK, 42AA Oxy-Ely***Carex hirta*** (1950)**Dg:** 09 FV, 48AC Eup-Cal**C:** 09 FV, 11AA Jun ger, 14 KC, 17CD Jun eff, 48AC Eup-Cal**Dm:** 09 FV, 09AA Fes vag***Carex hostiana*** (404)**Dg:** 32 SC***Carex humilis*** (1678)**Dg:** 08 EP, 10 FB, 10AC Bro-Fes, 10AF Dia-Ses**C:** 08 EP, 08AA Pul-Pin, 10 FB, 10AC Bro-Fes, 10AF Dia-Ses, 27AA Que pub**Dm:** 08 EP, 08AA Pul-Pin, 10AC Bro-Fes, 10AF Dia-Ses***Carex lasiocarpa*** (107)**Dg:** 32CB Car las**Dm:** 32CB Car las***Carex leporina*** (723)**Dg:** 17EC Alc-Poi

Carex limosa (97)**Dg:** 32BE *Sph cus***C:** 32BE *Sph cus***Dm:** 32BB *Rhy alb*, 32BE *Sph cus**Carex melanostachya* (78)**Dg:** 17BE *Cni ven**Carex montana* (916)**Dg:** 10BB *Cir-Bra*, 27AB *Que-cer*, 27AD *Que pet***C:** 10BB *Cir-Bra*, 27AD *Que pet**Carex muricata* agg. (861)**Dg:** 27AC *Ace-Que***C:** 27AC *Ace-Que**Carex nigra* (2881)**Dg:** 16BA *Sco-Utr*, 18 MB, 32 SC, 32CA *Car fus*, 32CD *Sph-Car***C:** 16BA *Sco-Utr*, 18 MB, 18AA *Eri-Bet*, 32 SC, 32AB *Car dav*, 32AG *Sph-Tom*, 32CA *Car fus*, 32CB *Car las*, 32CC *Dre exa*, 32CD *Sph-Car*, 40 OS, 40AB *Sph med*, 49 VU**Dm:** 32 SC, 32CA *Car fus*, 32CC *Dre exa**Carex pallescens* (1835)**C:** 47AC *Vio can**Carex panicea* (3383)**Dg:** 32 SC, 32AB *Car dav***C:** 16BA *Sco-Utr*, 17BA *Cal pal*, 17BC *Molinio*, 19BB *Lyc-Cra*, 32 SC, 32AB *Car dav*, 32AG *Sph-Tom*, 32CA *Car fus*, 32CB *Car las*, 32CC *Dre exa*, 32BB *Rhy alb**Carex paniculata* (592)**Dm:** 17BA *Cal pal*, 22EA *Mag ela**Carex pauciflora* (74)**Dg:** 32BB *Rhy alb*, 40 OS, 40AB *Sph med*, 49 VU*Carex pilosa* (1123)**Dg:** 27 QF, 27BB *Car bet***C:** 27BB *Car bet***Dm:** 27 QF, 27BB *Car bet**Carex pilulifera* (426)**Dg:** 47 NS, 47AC *Vio can**Carex praecox* agg.⁵ (398)**Dg:** 17BE *Cni ven***C:** 17BE *Cni ven**Carex pseudocyperus* (107)**Dg:** 01 AG*Carex pulicaris* (42)**Dg:** 32AG *Sph-Tom**Carex remota* (378)**Dg:** 01 AG, 19BC *Car rem***Dm:** 19BC *Car rem**Carex riparia* (594)**Dg:** 01 AG**Dm:** 01 AG, 01BA *Aln glu*, 22 PM, 22EA *Mag ela*, 31 SP, 31AC *Sal alb**Carex rostrata* (1091)**Dg:** 17BF *Ver-Lys*, 18 MB, 32 SC, 32CB *Car las***C:** 16BA *Sco-Utr*, 17BF *Ver-Lys*, 18 MB, 18AA *Eri-Bet*, 32 SC, 32CB *Car las*, 32BE *Sph cus***Dm:** 18 MB, 18AA *Eri-Bet*, 22EA *Mag ela*, 32CA *Car fus*, 32BB *Rhy alb*, 32BE *Sph cus**Carex sempervirens* (2251)**Dg:** 06 ES, 06AC *Ses tat*, 13 CC, 42 CK**C:** 06 ES, 06AB *Ast-Ses*, 06AC *Ses tat*, 13 CC, 13AA *Jun tri*, 20CE *Fes car*, 42 CK, 42AA *Oxy-Ely*, 42AB *Fes ver***Dm:** 06 ES, 06AB *Ast-Ses*, 06AC *Ses tat*, 13 CC, 13AA *Jun tri**Carex stenophylla* (64)**Dg:** 09 FV, 12AB *Rad lin*, 48AC *Eup-Cal***C:** 09 FV, 12AB *Rad lin*, 48AC *Eup-Cal**Carex supina* (17)**Dg:** 26BA *Pin-Que***Dm:** 26BA *Pin-Que**Carex vesicaria* (600)**Dg:** 22 PM, 22EA *Mag ela***Dm:** 22 PM, 22EA *Mag ela**Carex vulpina* agg. (948)**Dg:** 17BE *Cni ven***C:** 17BE *Cni ven***Dm:** 22EA *Mag ela**Carlina acaulis* (2705)**C:** 06 ES, 06AC *Ses tat*, 08 EP, 10BA *Bro ere*, 10BB *Cir-Bra*, 20CC *Cal aru*, 20CD *Cal var**Carpinus betulus* (2573)**Dg:** 26 QR, 27 QF, 27AB *Que-cer*, 27AD *Que pet*, 27BB *Car bet***C:** 25 PU, 26 QR, 26AA *Gen-Que*, 27 QF, 27AB *Que-*⁵ *Carex praecox* Schreb. prevails.

cer, 27AC *Ace-Que*, 27AD *Que pet*, 27BB *Car bet*
Dm: 26 *QR*, 26AA *Gen-Que*, 27 *QF*, 27BB *Car bet*,
 27BC *Til-Ace*

***Carthamus lanatus* (6)**

Dg: 50 *FR*, 50AB *Uli-Sar*
C: 50 *FR*

***Carum carvi* (1872)**

Dg: 17 *MA*

Centaurea cyanus* → *Cyanus segetum

***Centaurea jacea* agg. (2198)**

Dg: 11AB *Hal-Tri*, 50 *FR*
C: 11AB *Hal-Tri*, 11CA *Fes pse*, 17BC *Molinio*, 50
FR, 50AB *Uli-Sar*

***Centaurea phrygia* agg. (1497)**

C: 50 *FR*

***Centaurea stoebe* (912)**

Dg: 10CA *Koe-Phl*
C: 10CA *Koe-Phl*

***Centaureum pulchellum* (54)**

Dg: 12 *IN*, 12AA *Nan fla*

***Centunculus minimus* (19)**

Dg: 12 *IN*, 12AB *Rad lin*
C: 12AB *Rad lin*

***Cephalozia lunulifolia* (23)**

Dg: 32BB *Rhy alb*

***Cephaloziella rubella* (6)**

Dg: 19AC *Phi ser*

***Cerastium arvense* **glandulosum* (267)**

Dg: 30BA *Ara cae*, 36AA *Pap tat*
C: 30BA *Ara cae*, 36AA *Pap tat*
Dm: 36AA *Pap tat*

***Cerastium brachypetalum* agg. (130)**

Dg: 10AB *Asp-Fes*

***Cerastium carinthiacum* (16)**

Dg: 36AA *Pap tat*

***Cerastium eriophorum* (303)**

Dg: 42 *CK*, 42AA *Oxy-Ely*
C: 42 *CK*, 42AA *Oxy-Ely*

***Cerastium fontanum* agg. (3779)**

Dg: 17 *MA*

C: 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BD *Des*
cae, 17DA *Pla-Pru*, 17EB *Poi alp*

***Cerastium uniflorum* (17)**

Dg: 36BA *And alp*

***Ceratodon purpureus* (322)**

Dg: 36DA *Gal seg*
C: 36DA *Gal seg*
Dm: 14 *KC*, 14AA *Cor can*

***Ceratophyllum demersum* (325)**

Dg: 15 *LE*, 15CA *Hyd mor*, 24 *PO*, 24AA *Nym alb*,
 24AB *Pot luc*
C: 15 *LE*, 15CA *Hyd mor*, 24 *PO*, 24AA *Nym alb*,
 24AB *Pot luc*
Dm: 15 *LE*, 15CA *Hyd mor*

***Ceratophyllum submersum* (15)**

Dm: 15CA *Hyd mor*

***Cetraria cucullata* (371)**

Dg: 42 *CK*, 42AB *Fes ver*
C: 42 *CK*

***Cetraria islandica* (2285)**

Dg: 13 *CC*, 13AA *Jun tri*, 42 *CK*, 42AA *Oxy-Ely*, 45
LV, 45AA *Loi-Vac*
C: 06AA *Car fir*, 13 *CC*, 13AA *Jun tri*, 42 *CK*,
 42AA *Oxy-Ely*, 42AB *Fes ver*, 44 *RP*, 45 *LV*, 45AA
Loi-Vac, 45AB *Vac myr*
Dm: 13 *CC*, 13AA *Jun tri*, 30BA *Ara cae*, 42AB *Fes*
ver, 45 *LV*, 45AA *Loi-Vac*, 45AB *Vac myr*

***Cetraria nivalis* (412)**

Dg: 42 *CK*, 42AB *Fes ver*

***Chaerophyllum aromaticum* (1094)**

Dg: 43AC *Aeg pod*
C: 43AC *Aeg pod*
Dm: 28BB *Arc-Sam*, 43 *GU*, 43AC *Aeg pod*

***Chaerophyllum bulbosum* (163)**

Dm: 43AA *Gal-All*

***Chaerophyllum hirsutum* (2184)**

Dg: 20 *MU*, 20EA *Pet off*
C: 19 *MC*, 19AE *Cra com*, 20 *MU*, 20EA *Pet off*,
 31AA *Sal inc*
Dm: 19BC *Car rem*, 20EA *Pet off*, 36CC *Ara alp*

***Chaerophyllum temulum* (211)**

Dm: 43AA *Gal-All*

Chamerion angustifolium (573)**Dg:** 07 EA, 07AC Car-Epi, 28BA Sam-Sal**C:** 07 EA, 07AC Car-Epi, 28BA Sam-Sal**Dm:** 07 EA, 07AC Car-Epi**Chamorchis alpina** (85)**Dg:** 06AA Car fir**Chara fragilis** (25)**Dg:** 41 CF, 41BA Cha fra**C:** 41 CF, 41BA Cha fra**Dm:** 24AB Pot luc, 41 CF, 41BA Cha fra**Chara foetida** (27)**Dm:** 15BA Utr vul, 24BA Ran flu**Chara hispida** (3)**Dg:** 41 CF, 41BA Cha fra**Dm:** 41 CF, 41BA Cha fra**Chelidonium majus** (668)**Dg:** 29 RO, 29AB Bal-Rob**C:** 29 RO, 29AA Che-Rob, 29AB Bal-Rob**Dm:** 29 RO, 29AA Che-Rob, 43AA Gal-All**Chenopodium album** agg. (2016)**Dg:** 33 SM, 33BB Spe-Oxa, 33BC Pan-Set**C:** 33 SM, 33AA Cau lap, 33AB She arv, 33BA Scl ann, 33BB Spe-Oxa, 33BC Pan-Set, 33DB Atr nit, 33DC Mal neg, 33EA Eragros**Dm:** 33BC Pan-Set, 33DB Atr nit**Chenopodium bonus-henricus** (191)**Dg:** 17EC Alc-Poi, 43AD Car-Urt**C:** 17EC Alc-Poi, 43AD Car-Urt**Dm:** 02AD Arc lap**Chenopodium botrys** (19)**Dg:** 33EB Sal rut**Chenopodium ficifolium** (309)**Dg:** 04 BT, 04AB Che gla, 33DB Atr nit**Dm:** 04 BT, 04AB Che gla**Chenopodium foliosum** (15)**Dg:** 02AC Ery-Hac**Chenopodium glaucum** (363)**Dg:** 04 BT, 04AB Che gla, 11DA Cyp-Spe**C:** 04 BT, 04AB Che gla**Dm:** 04 BT, 04AB Che gla, 11DA Cyp-Spe**Chenopodium murale** (50)**Dg:** 33DC Mal neg**Chenopodium polyspermum** (346)**Dg:** 33BB Spe-Oxa**C:** 33BB Spe-Oxa**Chenopodium rubrum** (204)**Dg:** 04 BT, 04AB Che gla**Dm:** 04AB Che gla**Chondrilla juncea** (267)**Dg:** 14BA Koe are**Dm:** 02BA Con-Agr**Chrysosplenium alternifolium** (1265)**Dg:** 19 MC, 19BC Car rem**C:** 19BC Car rem, 20EA Pet off**Cicerbita alpina** → **Lactuca alpina****Cichorium intybus** (754)**Dg:** 02 AV**Circaea alpina** (221)**Dg:** 39BD Abi alb**Dm:** 36CB Par off**Cirsium arvense** (3018)**C:** 07 EA, 07AA Atropio, 33 SM, 33AA Cau lap, 33AB She arv, 33AC Ver-Eup, 33BA Scl ann, 33BB Spe-Oxa, 33BC Pan-Set**Dm:** 33AB She arv**Cirsium canum** (1027)**Dg:** 17BD Des cae**Cirsium eriophorum** (438)**Dg:** 46 BA**Cirsium erisithales** (1148)**Dg:** 20CD Cal var, 46 BA, 46AA Sal sil**C:** 20CC Cal aru, 20CD Cal var, 46 BA, 46AA Sal sil**Cirsium palustre** (1658)**Dg:** 32 SC**C:** 32 SC, 32AG Sph-Tom**Cirsium pannonicum** (323)**Dg:** 10 FB, 10BB Cir-Bra**Cirsium rivulare** (2043)**Dg:** 17BA Cal pal, 32 SC**C:** 17BA Cal pal, 32 SC, 32AB Car dav**Dm:** 17BA Cal pal

Cirsium vulgare (468)**Dg:** 07 EA, 07AA *Atropio**Cladonia arbuscula* (723)**Dg:** 13 CC, 36DA *Gal seg*, 39CA *Dic-Pin***C:** 13 CC, 36DA *Gal seg*, 39CA *Dic-Pin*, 45AA *Loi-Vac**Cladonia cariosa* (11)**Dg:** 36DA *Gal seg**Cladonia coccifera* (565)**Dg:** 13 CC, 13AA *Jun tri***C:** 13 CC*Cladonia coniocraea* (58)**Dg:** 36DA *Gal seg**Cladonia ecmocyna* (150)**Dg:** 30AA *Sal her**Cladonia fimbriata* (199)**Dg:** 36DA *Gal seg*, 39CA *Dic-Pin***C:** 36DA *Gal seg**Cladonia foliacea* (16)**Dg:** 48 CU, 48AA *Gen pil**Cladonia furcata* (224)**Dg:** 48 CU*Cladonia gracilis* agg. (890)**Dg:** 13 CC, 45AA *Loi-Vac***C:** 13 CC, 42 CK, 45 LV, 45AA *Loi-Vac**Cladonia phyllophora* (25)**Dg:** 48 CU, 48AA *Gen pil**Cladonia rangiferina* (874)**Dg:** 39CA *Dic-Pin*, 45 LV, 45AA *Loi-Vac***C:** 13 CC, 39CA *Dic-Pin*, 45 LV, 45AA *Loi-Vac**Cladonia subulata* (29)**Dg:** 48 CU, 48AA *Gen pil**Cleistogenes serotina* (72)**Dg:** 10AB *Asp-Fes**Clematis alpina* (607)**Dg:** 08 EP, 39BD *Abi alb***C:** 39BD *Abi alb**Clematis integrifolia* (62)**Dg:** 17BE *Cni ven**Clematis recta* (136)**Dg:** 27AC *Ace-Que**Climacium dendroides* (1262)**Dg:** 32 SC*Clinopodium vulgare* (1571)**Dg:** 25 PU, 25AA *Cyt-Pin*, 27AB *Que-cer***C:** 25 PU, 25AA *Cyt-Pin*, 27AB *Que-cer**Cochlearia pyrenaica* (7)**Dg:** 19BB *Lyc-Cra**Cochlearia tatrae* (25)**Dg:** 36BA *And alp***Dm:** 36BA *And alp**Colchicum autumnale* (1906)**Dg:** 17 MA*Colymbada scabiosa* agg. (979)**Dg:** 10 FB, 10BA *Bro ere***C:** 10BA *Bro ere**Comarum palustre* → *Potentilla palustris**Comastoma tenellum* (64)**Dg:** 42 CK, 42AA *Oxy-Ely**Conium maculatum* (357)**Dg:** 02AD *Arc lap***Dm:** 02 AV, 02AD *Arc lap**Conocephalum conicum* (213)**Dg:** 36CC *Ara alp**Consolida regalis* (323)**Dg:** 33 SM, 33AA *Cau lap*, 33AB *She arv***C:** 33AA *Cau lap*, 33AB *She arv***Dm:** 33AB *She arv**Convallaria majalis* (1365)**Dg:** 08 EP, 46 BA**C:** 08 EP, 08AA *Pul-Pin*, 46 BA*Convolvulus arvensis* (2698)**Dg:** 02 AV, 33 SM, 33AB *She arv***C:** 02 AV, 02BA *Con-Agr*, 33 SM, 33AA *Cau lap*, 33AB *She arv*, 33BA *Scl ann*, 33BB *Spe-Oxa*, 33BC *Pan-Set*, 33EA *Eragros***Dm:** 33AB *She arv**Conyza canadensis* (1306)**Dg:** 09 FV, 14 KC, 33EB *Sal rut***C:** 09 FV, 09AA *Fes vag*, 14 KC, 33EA *Eragros*,

33EB *Sal rut*, 33EC *Era-Pol*

Dm: 33EC *Era-Pol*

Cornus mas (1234)

Dg: 25 *PU*, 27AA *Que pub*

C: 25 *PU*, 27AA *Que pub*

Cornus sanguinea agg. (1426)

Dg: 27AC *Ace-Que*, 28 *RH*, 28AA *Ber vul*, 31 *SP*

C: 27AC *Ace-Que*, 28 *RH*, 28AA *Ber vul*, 31 *SP*

Dm: 28 *RH*, 28AA *Ber vul*, 31 *SP*, 31AC *Sal alb*

Coronilla vaginalis (240)

Dg: 08 *EP*, 08AA *Pul-Pin*

C: 08 *EP*

Cortusa matthioli (725)

Dg: 46 *BA*

C: 19AE *Cra com*, 20CE *Fes car*, 46 *BA*, 46AA *Sal sil*

Corydalis cava (143)

Dg: 27AC *Ace-Que*

Corydalis lutea (2)

Dg: 03BA *Cym-Asp*

Dm: 03BA *Cym-Asp*

Corylus avellana (2182)

Dg: 28 *RH*, 28AB *Cor-Pop*

C: 27 *QF*, 28 *RH*, 28AB *Cor-Pop*, 28BA *Sam-Sal*

Dm: 28 *RH*, 28AA *Ber vul*, 28AB *Cor-Pop*, 28AC *Pru fru*

Corynephorus canescens (114)

Dg: 09 *FV*, 09AA *Fes vag*, 14 *KC*, 14AA *Cor can*, 48AC *Eup-Cal*

C: 09 *FV*, 09AA *Fes vag*, 14 *KC*, 14AA *Cor can*, 48AC *Eup-Cal*

Dm: 14 *KC*, 14AA *Cor can*

Cota austriaca (137)

Dg: 33AA *Cau lap*

Cota tinctoria (125)

Dg: 10AB *Asp-Fes*

Cotinus coggygria (15)

Dg: 28AC *Pru fru*

Dm: 28AC *Pru fru*

Cotoneaster integerrimus (222)

Dg: 08 *EP*, 08AA *Pul-Pin*, 46 *BA*

C: 08 *EP*

Cotoneaster matrensis (33)

Dg: 03AA *Pot cau*

Cotoneaster melanocarpus (28)

Dg: 28AC *Pru fru*

Cotoneaster tomentosus (357)

Dg: 08 *EP*, 08AA *Pul-Pin*

C: 08 *EP*, 08AA *Pul-Pin*

Crataegus laevigata (1222)

Dg: 25 *PU*, 27AB *Que-cer*

C: 25 *PU*, 25AA *Cyt-Pin*, 27AB *Que-cer*, 27AC *Ace-Que*, 28 *RH*

Crataegus monogyna (1694)

Dg: 27AA *Que pub*, 50 *FR*

C: 27AA *Que pub*, 27AB *Que-cer*, 28 *RH*, 28AA *Ber vul*, 29 *RO*, 50 *FR*

Crataegus rhipidophylla (37)

Dg: 28AA *Ber vul*

Cratoneuron commutatum → *Palustriella commutata*

Crepis alpestris (61)

Dg: 08 *EP*, 08AA *Pul-Pin*

Crepis biennis (1067)

Dg: 17AA *Arh ela*

Crepis jacquinii (749)

Dg: 03 *AT*, 03AA *Pot cau*, 06AA *Car fir*, 08 *EP*

C: 03 *AT*, 03AA *Pot cau*, 06 *ES*, 06AA *Car fir*, 08 *EP*

Crepis mollis (950)

Dg: 20CE *Fes car*, 46 *BA*, 46AA *Sal sil*

C: 20CE *Fes car*, 46 *BA*, 46AA *Sal sil*

Crepis paludosa (2444)

Dg: 17BF *Ver-Lys*, 32AG *Sph-Tom*

C: 17BF *Ver-Lys*, 19AE *Cra com*, 32 *SC*, 32AG *Sph-Tom*, 32CC *Dre exa*

Crepis tectorum (49)

Dg: 09 *FV*

Cruciata glabra (5428)

Dg: 25 *PU*

C: 10BA *Bro ere*, 10BB *Cir-Bra*, 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17EA *Pol-Tri*, 20CC *Cal aru*, 25 *PU*, 25AA *Cyt-Pin*, 27AB *Que-cer*, 47 *NS*, 47AC *Vio can*

Cruciata laevipes (288)**Dg:** 27AC *Ace-Que**Cruciata pedemontana* (115)**Dg:** 10AB *Asp-Fes***Dm:** 34BA *Ara tha**Crypsis aculeata* (24)**Dg:** 11DA *Cyp-Spe***C:** 11DA *Cyp-Spe***Dm:** 11DA *Cyp-Spe**Ctenidium molluscum* (722)**Dg:** 03 *AT*, 03AB *Cystopt*, 08 *EP***C:** 03 *AT*, 03AB *Cystopt*, 08 *EP**Ctenidium procerinum* (112)**Dg:** 06AA *Car fir*, 42AA *Oxy-Ely**Cyanus montanus* **mollis* (311)**Dg:** 20CD *Cal var*, 46 *BA**Cyanus segetum* (276)**Dg:** 33 *SM*, 33AA *Cau lap*, 33AB *She arv***C:** 33AA *Cau lap*, 33AB *She arv***Dm:** 33AB *She arv**Cyanus triumfettii* (501)**Dg:** 08 *EP*, 08AA *Pul-Pin***C:** 08 *EP**Cymbalaria muralis* (8)**Dg:** 03BA *Cym-Asp***Dm:** 03BA *Cym-Asp**Cynodon dactylon* (307)**Dg:** 09 *FV*, 09AA *Fes vag*, 14 *KC*, 33EC *Era-Pol***C:** 09 *FV*, 09AA *Fes vag*, 14 *KC*, 33EC *Era-Pol***Dm:** 09 *FV*, 09AA *Fes vag*, 33 *SM*, 33EC *Era-Pol**Cynodontium polycarpon* (63)**Dg:** 39CA *Dic-Pin**Cynoglossum officinale* (151)**Dg:** 02AC *Ery-Hac***C:** 02AC *Ery-Hac**Cynosurus cristatus* (1388)**Dg:** 17 *MA*, 17AB *Cyn cri**Cyperus flavescens* (23)**Dg:** 12 *IN*, 12AB *Rad lin**Cyperus fuscus* (111)**Dg:** 12 *IN*, 12AD *Ela-Ele***C:** 12 *IN*, 12AD *Ela-Ele***Dm:** 12 *IN*, 12AA *Nan fla*, 12AD *Ela-Ele**Cyperus pannonicus* (9)**Dg:** 11DA *Cyp-Spe***Dm:** 11DA *Cyp-Spe**Cystopteris alpina* (15)**Dg:** 30BA *Ara cae**Cystopteris fragilis* (756)**Dg:** 03 *AT*, 03AB *Cystopt*, 36CC *Ara alp***C:** 03 *AT*, 03AB *Cystopt*, 03CD *Hyp-Pol*, 36CC *Ara alp***Dm:** 03CD *Hyp-Pol**Cystopteris montana* (144)**Dg:** 36CC *Ara alp***Dm:** 36CC *Ara alp**Cytisus scoparius* (36)**Dg:** 50 *FR*, 50AB *Uli-Sar***C:** 50 *FR*, 50AB *Uli-Sar***Dm:** 50 *FR*, 50AB *Uli-Sar**Dactylina madreporiformis* (79)**Dg:** 42AA *Oxy-Ely**Dactylis glomerata* (5751)**C:** 10BA *Bro ere*, 10BB *Cir-Bra*, 17 *MA*, 17AA *Arh ela*, 17EA *Pol-Tri*, 20EA *Pet off*, 31AA *Sal inc*, 43 *GU*, 43AC *Aeg pod**Dactylis polygama* (1170)**Dg:** 25 *PU*, 25AA *Cyt-Pin*, 27AC *Ace-Que***C:** 25 *PU*, 25AA *Cyt-Pin*, 27AB *Que-cer*, 27AC *Ace-Que*, 27BB *Car bet**Dactylorhiza maculata* agg. (716)**Dg:** 32 *SC**Dactylorhiza majalis* (1134)**Dg:** 32 *SC*, 32AG *Sph-Tom***C:** 16BA *Sco-Utr*, 32 *SC*, 32AG *Sph-Tom**Daphne mezereum* (1483)**Dg:** 46 *BA***C:** 46 *BA**Daucus carota* (2654)**Dg:** 02 *AV***C:** 02 *AV*, 02AB *Dau-Mel*, 33AB *She arv***Dm:** 33AB *She arv**Dentaria bulbifera* → *Cardamine bulbifera*

Dermatocarpon rivulorum (4)**Dg:** 19AC *Phi ser****Descurainia sophia*** (686)**Dg:** 33DA *Sis off***Dm:** 33DA *Sis off****Deschampsia cespitosa*** (5101)**C:** 01 *AG*, 17 *MA*, 17BA *Cal pal*, 17BC *Molinio*, 17BD *Des cae*, 17EA *Pol-Tri*, 17EB *Poi alp*, 17EC *Alc-Poi*, 19 *MC*, 19AA *Cra-Cal*, 19AC *Phi ser*, 20 *MU*, 20CB *Tri fus*, 39CA *Dic-Pin*, 43AE *Rum alp*, 47 *NS*, 47AB *Nar-Agr*, 47AC *Vio can***Dm:** 17BD *Des cae*, 17EA *Pol-Tri*, 20 *MU*, 20CB *Tri fus*, 20CC *Cal aru*, 47 *NS*, 47AB *Nar-Agr****Dianthus armeria*** (82)**Dg:** 34AA *The-Air****Dianthus carthusianorum*** (1893)**C:** 10 *FB*, 10BA *Bro ere****Dianthus deltoides*** (479)**Dg:** 50 *FR*, 50AB *Uli-Sar****Dianthus glacialis*** (82)**Dg:** 42 *CK*, 42AA *Oxy-Ely****Dianthus nitidus*** (347)**Dg:** 06 *ES*, 06AA *Car fir****Dianthus serotinus*** (27)**Dg:** 09 *FV*, 09AA *Fes vag***C:** 09 *FV****Dianthus superbus*** (108)**Dg:** 17BC *Molinio****Dicranella heteromalla*** (143)**Dg:** 39CA *Dic-Pin****Dicranella palustris*** (79)**Dg:** 19 *MC*, 19AA *Cra-Cal***Dm:** 19AA *Cra-Cal****Dicranodontium denudatum*** (6)**Dg:** 03CD *Hyp-Pol****Dicranoweisia crispula*** (83)**Dg:** 36BA *And alp****Dicranum bonjeanii*** (141)**Dg:** 40 *OS****Dicranum montanum*** (150)**Dm:** 03CD *Hyp-Pol****Dicranum polysetum*** (176)**Dg:** 26BA *Pin-Que****Dicranum scoparium*** (2316)**Dg:** 39 *VP*, 39CA *Dic-Pin*, 44 *RP***C:** 03CD *Hyp-Pol*, 08 *EP*, 18 *MB*, 26 *QR*, 26BA *Pin-Que*, 39 *VP*, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 39BD *Abi alb*, 39CA *Dic-Pin*, 44 *RP*, 44AA *Pin mug***Dm:** 26BA *Pin-Que*, 44 *RP*, 44AA *Pin mug****Dicranum spadiceum*** (48)**Dg:** 42AA *Oxy-Ely****Dictamnus albus*** (60)**Dg:** 27AC *Ace-Que****Didymodon asperifolius*** (16)**Dg:** 42AA *Oxy-Ely****Didymodon giganteus*** (66)**Dg:** 42AA *Oxy-Ely****Digitalis grandiflora*** (1225)**Dg:** 25 *PU***C:** 20CC *Cal aru*, 20CD *Cal var*, 25 *PU*, 25AA *Cyt-Pin*, 46 *BA****Digitaria ischaemum*** (39)**Dm:** 33AB *She arv****Digitaria sanguinalis*** (212)**Dg:** 33EA *Eragros***C:** 33EA *Eragros***Dm:** 33EA *Eragros****Dichodon cerastoides*** (244)**Dg:** 19AC *Phi ser*, 30 *SH*, 30AA *Sal her***C:** 30AA *Sal her***Dm:** 30AA *Sal her****Dichodon viscidum*** (164)**Dg:** 11BA *Puc lim*, 12AA *Nan fla*, 35 *TS***C:** 11BA *Puc lim*, 35 *TS****Distichium inclinatum*** (80)**Dg:** 30BA *Ara cae****Ditrichium flexicaule*** (857)**Dg:** 03 *AT*, 03AA *Pot cau*, 06AA *Car fir*, 08 *EP*, 08AA *Pul-Pin*, 42AA *Oxy-Ely***C:** 03 *AT*, 03AA *Pot cau*, 06 *ES*, 06AA *Car fir*, 08 *EP*, 08AA *Pul-Pin*, 42AA *Oxy-Ely*

Doronicum austriacum (664)**Dg:** 20DA *Adenost*, 39BB *Chr-Pic***C:** 20DA *Adenost*, 39BB *Chr-Pic***Dm:** 20DA *Adenost****Doronicum stiriacum*** (919)**Dg:** 36BA *And alp*, 42 CK, 42AB *Fes ver***C:** 13 CC, 30 SH, 36BA *And alp*, 42 CK, 42AB *Fes ver****Draba aizoides*** (268)**Dg:** 03AA *Pot cau****Draba fladnizensis*** (11)**Dg:** 42AA *Oxy-Ely****Draba muralis*** (17)**Dg:** 10CA *Koe-Phl****Draba siliquosa*** (20)**Dg:** 42AA *Oxy-Ely****Drepanocladus cossonii*** (253)**Dg:** 16 IL, 16BA *Sco-Utr***C:** 16BA *Sco-Utr***Dm:** 32AB *Car dav*, 32CB***Drepanocladus revolvens*** (656)**Dg:** 32 SC, 32AB *Car dav*, 32CB**C:** 32 SC**Dm:** 32 SC, 32AB *Car dav*, 32CB***Drosera rotundifolia*** (305)**Dg:** 18 MB, 32AG *Sph-Tom*, 32BB *Rhy alb*, 40 OS**C:** 32AG *Sph-Tom*, 32BB *Rhy alb*, 40 OS***Dryas octopetala*** (482)**Dg:** 06 ES, 06AA *Car fir*, 42AA *Oxy-Ely***C:** 06AA *Car fir*, 42AA *Oxy-Ely***Dm:** 06 ES, 06AA *Car fir****Dryopteris carthusiana*** agg.⁶ (2473)**Dg:** 01 AG, 39 VP, 39AA *Pic exc*, 39BA *Oxa-Pic*,39BB *Chr-Pic*, 39BC *Ath-Pic*, 44 RP**C:** 01 AG, 01BA *Aln glu*, 39 VP, 39AA *Pic exc*,39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 39BD*Abi alb*, 44 RP, 44AA *Pin mug****Dryopteris cristata*** (44)**Dg:** 01 AG, 01BA *Aln glu****Dryopteris filix-mas*** agg. (3295)**Dg:** 07 EA, 39 VP**C:** 07 EA, 07AC *Car-Epi*, 27 QF, 27BC *Til-Ace*,27BD *Fagion*, 27BE *Luz-Fag*, 28BA *Sam-Sal*, 39VP, 39BB *Chr-Pic*, 39BD *Abi alb*, 46 BA***Echinocystis lobata*** (171)**Dg:** 43BA *Sen flu***Dm:** 43BA *Sen flu****Echinochloa crus-galli*** (880)**Dg:** 04 BT, 04AB *Che gla*, 12 IN, 33BB *Spe-Oxa*,33BC *Pan-Set***C:** 04 BT, 04AB *Che gla*, 12 IN, 33BB *Spe-Oxa*,33BC *Pan-Set***Dm:** 04 BT, 04AB *Che gla*, 33BB *Spe-Oxa*, 33BC*Pan-Set****Eleocharis acicularis*** (87)**Dg:** 12 IN, 16 IL, 16AC *Ele aci***C:** 16AC *Ele aci***Dm:** 12 IN, 12AD *Ela-Ele*, 16 IL, 16AC *Ele aci****Eleocharis palustris*** agg. (1089)**C:** 16AC *Ele aci***Dm:** 22CA *Oen aqu****Eleocharis quinqueflora*** (251)**Dg:** 16 IL, 16BA *Sco-Utr***C:** 16BA *Sco-Utr****Elodea canadensis*** (32)**Dg:** 24AB *Pot luc***Dm:** 24AB *Pot luc****Elyna myosuroides*** → ***Kobresia myosuroides******Elytrigia intermedia*** (259)**Dg:** 37 TG***Elytrigia repens*** (3030)**Dg:** 02 AV**C:** 02 AV, 02AB *Dau-Mel*, 02BA *Con-Agr*, 29 RO, 33SM, 33AB *She arv*, 33BA *Scl ann*, 33BB *Spe-Oxa*, 43GU, 43AA *Gal-All*, 43AC *Aeg pod*, 43BA *Sen flu***Dm:** 02BA *Con-Agr*, 33AC *Ver-Eup****Empetrum nigrum*** (375)**Dg:** 40 OS, 40AA *Oxy-Emp*, 45 LV, 45AA *Loi-Vac*,45AB *Vac myr*, 49 VU**C:** 40 OS, 40AA *Oxy-Emp*, 45 LV, 45AA *Loi-Vac*,

49 VU

Dm: 45 LV, 45AA *Loi-Vac*, 45AB *Vac myr*

⁶ *Dryopteris carthusiana* (Vill.) H. P. Fuchs prevails in lower altitudes, *D. dilatata* (Hoffm.) A. Gray in montane and *D. expansa* (C. Presl) Fraser-Jenk. et Jermy in subalpine belt.

Encalypta alpina (117)

Dg: 42AA *Oxy-Ely*

Encalypta vulgaris (164)

Dg: 08 *EP*, 08AA *Pul-Pin*

Entodon concinnus (164)

Dg: 42AA *Oxy-Ely*

Entodon schleicheri (143)

Dm: 47AC *Vio can*

Epilobium alpestre (313)

Dg: 46 *BA*

C: 46 *BA*

Epilobium alsinifolium (242)

Dg: 19 *MC*, 19AA *Cra-Cal*

C: 19 *MC*, 19AA *Cra-Cal*

Epilobium anagallidifolium (71)

Dg: 19 *MC*, 19AC *Phi ser*

Epilobium ciliatum (54)

Dg: 17CD *Jun eff*

Epilobium collinum (69)

Dg: 46 *BA*

Epilobium hirsutum (342)

Dm: 43BA *Sen flu*

Epilobium montanum (1787)

Dg: 07 *EA*

C: 07 *EA*, 07AA *Atropio*, 36CC *Ara alp*

Epilobium nutans (72)

Dg: 19AC *Phi ser*

Epilobium palustre (670)

C: 32AG *Sph-Tom*

Epilobium roseum (221)

Dg: 22BB *Pha aru*

Epipactis atrorubens (497)

Dg: 08 *EP*, 08AA *Pul-Pin*

C: 08 *EP*

Epipactis palustris (640)

Dg: 32 *SC*

Equisetum arvense (2295)

C: 31AA *Sal inc*, 31AB *Sal tri*

Dm: 33AB *She arv*

Equisetum fluviatile (1138)

Dg: 16 *IL*, 16BB *Sph-Utr*, 32CB *Car las*

C: 16 *IL*, 16BA *Sco-Utr*, 16BB *Sph-Utr*, 32CB *Car las*

Dm: 16 *IL*, 16BB *Sph-Utr*

Equisetum palustre (3140)

Dg: 32 *SC*

C: 17BA *Cal pal*, 19BB *Lyc-Cra*, 32 *SC*, 32AB *Car*

dav, 32AG *Sph-Tom*, 32CA *Car fus*, 32CB *Car las*,

32CC *Dre exa*

Equisetum ramosissimum (32)

Dg: 09 *FV*, 14 *KC*

Equisetum sylvaticum (617)

Dg: 18 *MB*, 18AA *Eri-Bet*

C: 18 *MB*, 18AA *Eri-Bet*

Equisetum variegatum (155)

Dm: 32AG *Sph-Tom*

Eragrostis cilianensis (8)

Dg: 33EA *Eragros*

Eragrostis minor (98)

Dg: 33EA *Eragros*

Erigeron acris (99)

Dg: 48AC *Eup-Cal*

Erigeron hungaricus (48)

Dg: 42AA *Oxy-Ely*

Erigeron uniflorus (95)

Dg: 42 *CK*, 42AB *Fes ver*

Eriophorum angustifolium (1483)

Dg: 16BA *Sco-Utr*, 32 *SC*, 32AG *Sph-Tom*, 32CC

Dre exa, 32CD *Sph-Car*

C: 16BA *Sco-Utr*, 32 *SC*, 32AG *Sph-Tom*, 32CA

Car fus, 32CB *Car las*, 32CC *Dre exa*, 32CD *Sph-*

Car, 32BB *Rhy alb*

Eriophorum latifolium (1430)

Dg: 32 *SC*, 32AB *Car dav*

C: 16BA *Sco-Utr*, 19BB *Lyc-Cra*, 32 *SC*, 32AB *Car*

dav, 32CC *Dre exa*

Eriophorum vaginatum (377)

Dg: 18 *MB*, 18AA *Eri-Bet*, 40 *OS*, 40AA *Oxy-Emp*,

40AB *Sph med*, 49 *VU*, 49AB *Eri-Pic*

C: 18 *MB*, 18AA *Eri-Bet*, 40 *OS*, 40AA *Oxy-Emp*,

40AB *Sph med*, 49 *VU*, 49AB *Eri-Pic*

Dm: 40 *OS*, 40AA *Oxy-Emp*, 40AB *Sph med*, 49

VU, 49AB *Eri-Pic*

Eryngium campestre (955)**Dg:** 09 *FV*, 14 *KC***C:** 09 *FV*, 09AA *Fes vag*, 10AA *Fes val*, 10AB *Asp-Fes*, 14 *KC****Eryngium planum*** (58)**Dg:** 11CA *Fes pse****Erysimum diffusum*** (129)**Dg:** 14 *KC*, 14BA *Koe are***C:** 14BA *Koe are****Erysimum witmannii*** (441)**Dg:** 02AC *Ery-Hac*, 08 *EP*, 08AA *Pul-Pin***C:** 02AC *Ery-Hac*, 08 *EP****Euonymus europaeus*** (765)**Dg:** 27AC *Ace-Que*, 28 *RH***C:** 27AC *Ace-Que****Eupatorium cannabinum*** (1104)**Dg:** 07AA *Atropio***C:** 07 *EA*, 07AA *Atropio*, 19BB *Lyc-Cra***Dm:** 07AA *Atropio****Euphorbia amygdaloides*** (1912)**Dg:** 46 *BA***C:** 46 *BA****Euphorbia cyparissias*** (4174)**Dg:** 08 *EP*, 10 *FB***C:** 08 *EP*, 08AA *Pul-Pin*, 09 *FV*, 10 *FB*, 10AA *Fes val*, 10AB *Asp-Fes*, 10AC *Bro-Fes*, 10AF *Dia-Ses*, 10BA *Bro ere*, 10BB *Cir-Bra*, 10CA *Koe-Phl*, 14 *KC*, 27AA *Que pub*, 27AB *Que-cer*, 28AC *Pru fru*, 34 *SS*, 37 *TG*, 37AA *Ger san*, 50 *FR*, 50AB *Uli-Sar****Euphorbia epithymoides*** (290)**Dg:** 27AA *Que pub****Euphorbia exigua*** (53)**Dg:** 33AB *She arv***C:** 33AB *She arv***Dm:** 33AB *She arv****Euphorbia helioscopia*** (201)**Dg:** 33 *SM****Euphorbia palustris*** (59)**Dm:** 17BF *Ver-Lys****Euphorbia peplus*** (44)**Dg:** 33BB *Spe-Oxa****Euphorbia seguieriana*** (42)**Dg:** 09 *FV*, 09AA *Fes vag***C:** 09 *FV****Euphrasia officinalis* *kernerii** (23)**Dg:** 50 *FR*, 50AB *Uli-Sar****Euphrasia salisburgensis*** (810)**Dg:** 03AA *Pot cau*, 06 *ES*, 08 *EP***C:** 03AA *Pot cau*, 06 *ES*, 08 *EP****Fagus sylvatica*** (4386)**Dg:** 07 *EA*, 27 *QF*, 27BD *Fagion*, 27BE *Luz-Fag*, 28BA *Sam-Sal***C:** 07 *EA*, 07AA *Atropio*, 07AC *Car-Epi*, 25 *PU*, 26 *QR*, 26AA *Gen-Que*, 27 *QF*, 27BB *Car bet*, 27BC *Til-Ace*, 27BD *Fagion*, 27BE *Luz-Fag*, 28BA *Sam-Sal*, 39 *VP*, 39BD *Abi alb*, 39CA *Dic-Pin***Dm:** 27 *QF*, 27BB *Car bet*, 27BC *Til-Ace*, 27BD *Fagion*, 27BE *Luz-Fag*, 36CB *Par off****Falcaria vulgaris*** (307)**Dg:** 02BA *Con-Agr***Dm:** 02BA *Con-Agr****Fallopia convolvulus*** (1688)**Dg:** 33AB *She arv***C:** 33 *SM*, 33AA *Cau lap*, 33AB *She arv*, 33BA *Scl ann***Dm:** 33AB *She arv****Fallopia dumetorum*** (179)**Dg:** 37BB *Teu sco****Festuca amethystina*** (36)**Dg:** 03AA *Pot cau****Festuca carpatica* → *Festuca pseudolaxa******Festuca filiformis*** (10)**Dm:** 10CA *Koe-Phl****Festuca gigantea*** (717)**Dg:** 07 *EA****Festuca heterophylla*** (442)**Dg:** 27AD *Que pet***C:** 27AD *Que pet****Festuca pallens*** (1220)**Dg:** 08 *EP*, 10AC *Bro-Fes***C:** 08 *EP*, 10 *FB*, 10AC *Bro-Fes*, 10AF *Dia-Ses*

Festuca picturata (1144)

Dg: 20CA *Cal vil*, 20CB *Tri fus*, 30 *SH*, 30AB *Fes pic*

C: 20CA *Cal vil*, 20CB *Tri fus*, 30 *SH*, 30AB *Fes pic*

Dm: 30 *SH*, 30AB *Fes pic*

Festuca pratensis (4388)

Dg: 17 *MA*

C: 10BB *Cir-Bra*, 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BB *Alo pra*, 17BD *Des cae*, 17EA *Pol-Tri*

Festuca pseudolaxa (371)

Dg: 20CE *Fes car*, 46 *BA*, 46AA *Sal sil*

C: 20CE *Fes car*, 46 *BA*, 46AA *Sal sil*

Dm: 20 *MU*, 20CE *Fes car*

Festuca pseudovina (437)

Dg: 11 *FP*, 11CA *Fes pse*

C: 11 *FP*, 11CA *Fes pse*

Dm: 10AA *Fes val*, 11 *FP*, 11CA *Fes pse*

Festuca rubra agg. (5283)

Dg: 17 *MA*, 47 *NS*

C: 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BA *Cal pal*, 17BC *Molinio*, 17EA *Pol-Tri*, 32 *SC*, 32AG *Sph-Tom*, 47 *NS*, 47AB *Nar-Agr*, 47AC *Vio can*

Festuca rupicola (1997)

Dg: 10 *FB*, 10BA *Bro ere*, 10CA *Koe-Phl*

C: 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra*, 10CA *Koe-Phl*

Dm: 10BA *Bro ere*

Festuca supina (1790)

Dg: 13 *CC*, 13AA *Jun tri*, 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver*, 45 *LV*, 45AA *Loi-Vac*
C: 13 *CC*, 13AA *Jun tri*, 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver*, 45 *LV*, 45AA *Loi-Vac*

Festuca tatrae (785)

Dg: 06 *ES*, 06AB *Ast-Ses*, 08 *EP*, 08AA *Pul-Pin*

C: 06 *ES*, 06AB *Ast-Ses*, 08 *EP*, 08AA *Pul-Pin*

Festuca vaginata (98)

Dg: 09 *FV*, 09AA *Fes vag*, 26BA *Pin-Que*

C: 09 *FV*, 09AA *Fes vag*, 26BA *Pin-Que*

Dm: 09 *FV*, 09AA *Fes vag*

Festuca valesiaca agg. (891)

Dg: 10 *FB*, 10AB *Asp-Fes*, 34BA *Ara tha*

C: 10 *FB*, 10AA *Fes val*, 10AB *Asp-Fes*, 34BA *Ara tha*

Dm: 10 *FB*, 10AA *Fes val*, 10AB *Asp-Fes*, 10CA *Koe-Phl*

Festuca versicolor (1156)

Dg: 03AA *Pot cau*, 06 *ES*, 06AA *Car fir*, 06AC *Ses tat*, 42 *CK*, 42AA *Oxy-Ely*

C: 03AA *Pot cau*, 06 *ES*, 06AA *Car fir*, 06AC *Ses tat*, 36AA *Pap tat*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver*

Dm: 06 *ES*, 06AA *Car fir*, 06AC *Ses tat*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver*

Filago minima (23)

Dg: 33EA *Eragros*

Filago vulgaris (71)

Dg: 09 *FV*, 09AA *Fes vag*

Filipendula ulmaria (3180)

Dg: 01 *AG*, 17BF *Ver-Lys*, 32 *SC*

C: 01 *AG*, 17BA *Cal pal*, 17BF *Ver-Lys*, 31AA *Sal inc*, 32 *SC*, 32AB *Car dav*, 32AG *Sph-Tom*, 32CA *Car fus*

Dm: 01AA *Sal cin*, 17BA *Cal pal*, 17BF *Ver-Lys*

Filipendula vulgaris (1170)

Dg: 10BB *Cir-Bra*

C: 10BB *Cir-Bra*

Fissidens adianthoides (390)

Dg: 32 *SC*

Fissidens dubius (398)

Dg: 08 *EP*, 08AA *Pul-Pin*

C: 08 *EP*

Fragaria moschata (851)

Dg: 27AA *Que pub*

Fragaria vesca (4248)

C: 07 *EA*, 07AA *Atropis*, 20CD *Cal var*, 25 *PU*, 25AA *Cyt-Pin*, 26 *QR*, 27 *QF*, 27AB *Que-cer*, 27BB *Car bet*, 28 *RH*, 28BA *Sam-Sal*, 39BD *Abi alb*, 46 *BA*, 46AA *Sal sil*

Fragaria viridis (1052)

Dg: 25 *PU*, 37 *TG*

C: 25 *PU*, 37 *TG*

Frangula alnus (802)

Dg: 01 *AG*, 01BA *Aln glu*, 18 *MB*

C: 01 *AG*, 01BA *Aln glu*, 18 *MB*, 18AA *Eri-Bet*, 26 *QR*, 26BA *Pin-Que*, 27AD *Que pet*, 39CA *Dic-Pin*

Fraxinus angustifolia (258)

Dg: 27AC *Ace-Que*, 31 *SP*

C: 27AC *Ace-Que*

Dm: 31 *SP*, 31AC *Sal alb*

Fraxinus excelsior (1849)**Dg:** 27 *QF***C:** 27 *QF*, 27BC *Til-Ace***Dm:** 27BA *Aln inc*, 27BC *Til-Ace****Fraxinus ornus*** (134)**Dg:** 50 *FR****Fumaria schleicheri*** (36)**Dg:** 28AC *Pru fru****Funaria hygrometrica*** (14)**Dg:** 23AB *Sag pro***Dm:** 23AB *Sag pro****Gagea pratensis*** (57)**Dg:** 33AC *Ver-Eup****Gagea serotina*** (415)**Dg:** 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver***C:** 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver****Galatella cana*** (6)**Dg:** 11CA *Fes pse****Galatella linosyris*** (183)**Dg:** 10CA *Koe-Phl****Galeobdolon luteum* agg.** (2353)**Dg:** 27 *QF*, 27BC *Til-Ace***C:** 27 *QF*, 27BC *Til-Ace*, 27BD *Fagion*, 39BB *Chr-Pic*, 39BD *Abi alb****Galeopsis angustifolia*** (138)**Dg:** 36CA *Sti cal****Galeopsis ladanum*** (113)**Dg:** 33AB *She arv*, 37BB *Teu sco*, 50 *FR***C:** 33AB *She arv*, 37BB *Teu sco*, 50 *FR***Dm:** 33AB *She arv****Galeopsis speciosa*** (623)**Dg:** 07 *EA****Galeopsis tetrahit*** (896)**Dg:** 33BA *Scl ann***C:** 33BA *Scl ann***Dm:** 33AB *She arv****Galinsoga parviflora*** (511)**Dg:** 33BC *Pan-Set***C:** 33BC *Pan-Set***Dm:** 33BC *Pan-Set****Galium aparine*** (3419)**Dg:** 29 *RO*, 43 *GU***C:** 27AC *Ace-Que*, 28 *RH*, 28BB *Arc-Sam*, 29 *RO*, 29AA *Che-Rob*, 29AB *Bal-Rob*, 31 *SP*, 31AB *Sal tri*, 33BA *Scl ann*, 43 *GU*, 43AA *Gal-All*, 43BA *Sen flu***Dm:** 29AB *Bal-Rob****Galium boreale*** (661)**Dg:** 17BC *Molinio*, 17BE *Cni ven***C:** 17BC *Molinio****Galium glaucum*** (712)**Dg:** 10AB *Asp-Fes*, 37 *TG***C:** 10AB *Asp-Fes****Galium mollugo* agg.** (3961)**C:** 17AA *Arh ela*, 25 *PU*, 25AA *Cyt-Pin*, 27AA *Que pub*, 28 *RH*, 28AA *Ber vul*, 28AC *Pru fru*, 31AA *Sal inc*, 36 *TR*, 36CA *Sti cal*, 36CB *Par off*, 36CC *Ara alp*, 37 *TG***Dm:** 36CB *Par off****Galium odoratum*** (2902)**Dg:** 07 *EA*, 27 *QF*, 27BD *Fagion***C:** 07 *EA*, 07AA *Atropio*, 27 *QF*, 27BB *Car bet*, 27BC *Til-Ace*, 27BD *Fagion*, 28BA *Sam-Sal****Galium palustre* agg.** (3015)**Dg:** 01 *AG*, 22 *PM*, 31 *SP***C:** 01 *AG*, 01BA *Aln glu*, 17BE *Cni ven*, 17BF *Ver-Lys*, 22 *PM*, 22EA *Mag ela*, 31 *SP*, 31AC *Sal alb*, 32 *SC*, 32CA *Car fus*, 32CB *Car las***Dm:** 22BA *Sph-Gly****Galium pumilum* agg.**⁷ (2349)**Dg:** 06 *ES*, 08 *EP*, 42AA *Oxy-Ely***C:** 03AA *Pot cau*, 06 *ES*, 06AA *Car fir*, 06AB *Ast-Ses*, 06AC *Ses tat*, 08 *EP*, 08AA *Pul-Pin*, 17EB *Poi alp*, 20CE *Fes car*, 36AA *Pap tat*, 42 *CK*, 42AA *Oxy-Ely*, 46 *BA****Galium schultesii*** (2407)**Dg:** 25 *PU***C:** 25 *PU*, 25AA *Cyt-Pin*, 26 *QR*, 27 *QF*, 27BB *Car bet****Galium spurium*** (58)**Dg:** 33AB *She arv***Dm:** 33AB *She arv****Galium uliginosum*** (1709)**Dg:** 32 *SC***C:** 32 *SC*, 32CA *Car fus*, 32CC *Dre exa*⁷ *Galium anisophyllum* prevails.

Galium verum agg. (2975)**Dg:** 50 FR**C:** 10 FB, 10BA Bro ere, 10BB Cir-Bra, 10CA Koe-Phl, 17BC Molinio, 37 TG, 37AB Tri med, 50 FR, 50AB Uli-Sar**Genista pilosa** (916)**Dg:** 10AF Dia-Ses, 37BB Teu sco, 48 CU, 48AA Gen pil**C:** 08 EP, 10AF Dia-Ses, 25 PU, 27AD Que pet, 37BB Teu sco, 48 CU, 48AA Gen pil**Genista tinctoria** (1017)**C:** 37BA Mel pra**Gentiana asclepiadea** (2078)**Dg:** 39 VP, 39BB Chr-Pic, 46 BA**C:** 39 VP, 39BA Oxa-Pic, 39BB Chr-Pic, 39BC Ath-Pic, 39BD Abi alb, 46 BA, 46AA Sal sil, 47 NS, 48AD Gen-Vac**Gentiana clusii** (591)**Dg:** 03AA Pot cau, 06 ES, 06AB Ast-Ses**C:** 03AA Pot cau, 06 ES**Gentiana frigida** (305)**Dg:** 36BA And alp, 42 CK, 42AB Fes ver**C:** 42 CK**Gentiana nivalis** (41)**Dg:** 42AA Oxy-Ely**Gentiana pneumonanthe** (92)**Dg:** 17BC Molinio**Gentiana punctata** (1045)**Dg:** 20CA Cal vil, 30 SH, 30AB Fes pic**C:** 20CA Cal vil, 30 SH, 30AB Fes pic**Gentiana verna** (189)**Dg:** 06AC Ses tat**Gentianella fatrae** (349)**Dg:** 08 EP**Geranium dissectum** (31)**Dg:** 33AB She arv**Dm:** 33AB She arv**Geranium lucidum** (10)**Dm:** 36DA Gal seg**Geranium phaeum** (781)**Dg:** 20EA Pet off, 43AD Car-Urt**C:** 43AD Car-Urt**Dm:** 43AD Car-Urt**Geranium pratense** (546)**Dm:** 43AC Aeg pod**Geranium pyrenaicum** (47)**Dg:** 29 RO, 29AB Bal-Rob**Geranium robertianum** (3351)**Dg:** 36CC Ara alp**C:** 02AC Ery-Hac, 03 AT, 07 EA, 27 QF, 27BC Til-Ace, 27BD Fagion, 36 TR, 36CB Par off, 36CC Ara alp, 43AB Imp-Sta**Dm:** 43AB Imp-Sta**Geranium sanguineum** (591)**Dg:** 28AC Pru fru, 37 TG, 37AA Ger san**C:** 28AC Pru fru, 37 TG, 37AA Ger san**Dm:** 37 TG, 37AA Ger san**Geranium sylvaticum** (1663)**Dg:** 20CE Fes car, 46 BA, 46AA Sal sil**C:** 17EA Pol-Tri, 20 MU, 20CC Cal aru, 20CE Fes car, 20DA Adenost, 46 BA, 46AA Sal sil**Geum montanum** (1749)**Dg:** 20CA Cal vil, 20CB Tri fus, 30 SH, 30AB Fes pic**C:** 20 MU, 20CA Cal vil, 20CB Tri fus, 30 SH, 30AA Sal her, 30AB Fes pic, 47AA Nardion**Dm:** 30 SH, 30AB Fes pic**Geum reptans** (106)**Dg:** 36BA And alp**C:** 36BA And alp**Geum rivale** (2325)**Dg:** 46 BA**C:** 20EA Pet off, 46 BA**Geum urbanum** (2274)**Dg:** 27AC Ace-Que, 28 RH, 29 RO**C:** 27AC Ace-Que, 27BA Aln inc, 28 RH, 28AA Ber vul, 28AB Cor-Pop, 29 RO, 29AB Bal-Rob**Gladiolus palustris** (32)**Dg:** 17BC Molinio**Glaux maritima** (37)**Dg:** 11 FP, 11AB Hal-Tri**C:** 11AB Hal-Tri**Glechoma hederacea** agg. (3539)**C:** 27BA Aln inc, 28 RH, 31 SP, 43AC Aeg pod**Dm:** 33AB She arv

Globularia bisnagarica (373)**Dg:** 10 *FB*, 10AF *Dia-Ses****Globularia punctata* → *Globularia bisnagarica******Glyceria fluitans*** (469)**Dg:** 11AC *Bec eru***C:** 11AC *Bec eru***Dm:** 22BA *Sph-Gly****Glyceria maxima*** (739)**Dg:** 22 *PM*, 22AA *Phr aus***Dm:** 22 *PM*, 22AA *Phr aus****Glyceria nemoralis*** (97)**Dm:** 22BA *Sph-Gly****Glyceria notata*** (169)**Dg:** 22BA *Sph-Gly***Dm:** 22BA *Sph-Gly****Gnaphalium hoppeanum*** (12)**Dg:** 30BA *Ara cae****Gnaphalium supinum*** (316)**Dg:** 30 *SH*, 30AA *Sal her***C:** 30 *SH*, 30AA *Sal her***Dm:** 30AA *Sal her****Gnaphalium sylvaticum*** (381)**Dg:** 07 *EA****Gnaphalium uliginosum*** (262)**Dg:** 12 *IN*, 12AA *Nan fla*, 12AD *Ela-Ele***C:** 12 *IN*, 12AA *Nan fla*, 12AD *Ela-Ele***Dm:** 33AB *She arv****Goodyera repens*** (90)**Dg:** 08 *EP*, 08AA *Pul-Pin****Gratiola officinalis*** (364)**Dg:** 17BE *Cni ven***C:** 17BE *Cni ven****Groenlandia densa*** (12)**Dg:** 24BA *Ran flu***Dm:** 24BA *Ran flu****Gymnadenia odoratissima*** (116)**Dg:** 08 *EP****Gymnocarpium dryopteris*** (775)**Dg:** 39 *VP*, 39BA *Oxa-Pic*, 39BB *Chr-Pic***C:** 39 *VP*, 39BA *Oxa-Pic*, 39BB *Chr-Pic****Gymnocarpium robertianum*** (438)**Dm:** 36 *TR*, 36CA *Sti cal****Gypsophila muralis*** (239)**Dg:** 11CA *Fes pse*, 33AB *She arv***C:** 11CA *Fes pse*, 33AB *She arv***Dm:** 33AB *She arv****Hackelia deflexa*** (142)**Dg:** 02 *AV*, 02AC *Ery-Hac***C:** 02AC *Ery-Hac***Dm:** 02AC *Ery-Hac****Hedysarum hedysaroides*** (194)**Dg:** 42 *CK*, 42AA *Oxy-Ely***C:** 42AA *Oxy-Ely****Heleochloa schoenoides*** (26)**Dg:** 11DA *Cyp-Spe***C:** 11DA *Cyp-Spe***Dm:** 11 *FP*, 11DA *Cyp-Spe****Helianthemum alpestre*** (336)**Dg:** 06AA *Car fir*, 42AA *Oxy-Ely***C:** 42AA *Oxy-Ely****Helianthemum canum*** (186)**Dg:** 10 *FB*, 10AC *Bro-Fes****Helianthemum grandiflorum*** (2051)**Dg:** 06 *ES***C:** 06 *ES*, 06AB *Ast-Ses*, 06AC *Ses tat*, 08 *EP*, 10*FB*, 10AF *Dia-Ses*, 46 *BA****Helianthus tuberosus*** (91)**Dm:** 43BA *Sen flu****Helichrysum arenarium*** (47)**Dg:** 09 *FV*, 09AA *Fes vag*, 14 *KC*, 14AA *Cor can***C:** 09 *FV****Hematocaulis vernicosus*** (246)**Dg:** 32CB *Car las****Heracleum sphondylium*** (3387)**Dg:** 46 *BA***C:** 20CE *Fes car*, 28AB *Cor-Pop*, 31AA *Sal inc*,43AC *Aeg pod*, 46 *BA*, 46AA *Sal sil****Herniaria glabra*** (23)**Dg:** 23AB *Sag pro***Dm:** 23AB *Sag pro*

Hibiscus trionum (46)**Dg:** 33EA *Eragros****Hieracium alpinum*** (1545)**Dg:** 13 CC, 13AA *Jun tri*, 45 LV, 45AA *Loi-Vac*, 47AA *Nardion***C:** 13 CC, 13AA *Jun tri*, 45 LV, 45AA *Loi-Vac*, 47AA *Nardion****Hieracium bifidum*** (790)**Dg:** 02AC *Ery-Hac*, 08 EP, 08AA *Pul-Pin***C:** 02AC *Ery-Hac*, 08 EP, 08AA *Pul-Pin****Hieracium bupleuroides*** (474)**Dg:** 08 EP, 08AA *Pul-Pin***C:** 08 EP, 08AA *Pul-Pin****Hieracium lachenalii*** (977)**Dg:** 26 QR**C:** 26 QR, 26AA *Gen-Que*, 27AD *Que pet****Hieracium murorum*** (2984)**Dg:** 25 PU**C:** 25 PU, 25AA *Cyt-Pin*, 26 QR, 26AA *Gen-Que*, 27 QF, 27AD *Que pet*, 27BE *Luz-Fag*, 39 VP, 39BB *Chr-Pic*, 39BD *Abi alb****Hieracium prenanthoides*** (218)**Dg:** 20CC *Cal aru****Hieracium sabaudum*** (677)**Dg:** 26 QR, 27AD *Que pet***C:** 27AD *Que pet****Hieracium villosum*** (302)**Dg:** 06AC *Ses tat****Himantoglossum adriaticum*** (12)**Dg:** 28AC *Pru fru****Hippochaete* → *Equisetum******Hippocrepis comosa*** (654)**Dg:** 08 EP, 10AF *Dia-Ses***C:** 08 EP***Holcus lanatus*** (1376)**Dg:** 48AC *Eup-Cal***C:** 48AC *Eup-Cal****Holosteum umbellatum*** (197)**Dg:** 33AC *Ver-Eup****Homalia besseri*** (19)**Dg:** 03AB *Cystopt****Homalothecium lutescens*** (118)**Dg:** 36CC *Ara alp****Homalothecium philippeanum*** (434)**Dg:** 08 EP, 08AA *Pul-Pin***C:** 08 EP, 08AA *Pul-Pin****Homalothecium sericeum*** (219)**Dg:** 08 EP***Homogyne alpina*** (3957)**Dg:** 44 RP**C:** 13 CC, 13AA *Jun tri*, 20 MU, 20CA *Cal vil*, 20CB *Tri fus*, 20DA *Adenost*, 30 SH, 30AB *Fes pic*, 39 VP, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 44 RP, 44AA *Pin mug*, 45 LV, 45AA *Loi-Vac*, 45AB *Vac myr*, 47 NS, 47AA *Nardion*, 47AB *Nar-Agr*, 48AD *Gen-Vac****Hordehymus europaeus*** (337)**Dg:** 07AA *Atropio****Hordeum marinum*** (9)**Dg:** 11BA *Puc lim***Dm:** 11BA *Puc lim****Hordeum murinum*** (478)**Dg:** 33DA *Sis off***C:** 33DA *Sis off***Dm:** 33 SM, 33DA *Sis off****Hottonia palustris*** (82)**Dg:** 24BB *Ran aqu***Dm:** 24 PO, 24BB *Ran aqu****Humulus lupulus*** (742)**Dg:** 29 RO, 31 SP, 31AB *Sal tri***C:** 29 RO, 31 SP, 31AB *Sal tri****Huperzia selago*** (888)**Dg:** 42 CK, 42AB *Fes ver***C:** 42 CK, 42AB *Fes ver*, 45 LV***Hydrocotyle vulgaris*** (40)**Dg:** 32BB *Rhy alb****Hydrocharis morsus-ranae*** (235)**Dg:** 15 LE, 15CA *Hyd mor***C:** 15 LE, 15CA *Hyd mor***Dm:** 15 LE, 15CA *Hyd mor****Hygrohypnum molle*** (2)**Dg:** 19AC *Phi ser*

Hylocomium splendens (1919)

C: 08 *EP*, 26BA *Pin-Que*, 39 *VP*, 42 *CK*, 42AA *Oxy-Ely*, 44 *RP*, 44AA *Pin mug*, 48AD *Gen-Vac*
Dm: 26BA *Pin-Que*, 42AA *Oxy-Ely*, 45AB *Vac myr*

Hylotelephium maximum (982)

C: 03CB *Asp sep*, 03CD *Hyp-Pol*, 28AC *Pru fru*, 34BA *Ara tha*

Hypericum hirsutum (488)

Dg: 07 *EA*, 07AA *Atropio*

Hypericum maculatum (4013)

Dg: 46 *BA*, 46AA *Sal sil*, 47 *NS*
C: 07 *EA*, 07AC *Car-Epi*, 17EA *Pol-Tri*, 17EB *Poi alp*, 20 *MU*, 20CC *Cal aru*, 20CE *Fes car*, 20DA *Adenost*, 43AE *Rum alp*, 46 *BA*, 46AA *Sal sil*, 47 *NS*, 47AB *Nar-Agr*, 47AC *Vio can*

Hypericum perforatum (2876)

C: 07 *EA*, 07AA *Atropio*, 10 *FB*, 10AB *Asp-Fes*, 10CA *Koe-Phl*, 25 *PU*, 25AA *Cyt-Pin*, 28AC *Pru fru*, 37 *TG*, 37AB *Tri med*, 37BB *Teu sco*, 48 *CU*, 50 *FR*

Hypericum tetrapterum (140)

Dg: 11AA *Jun ger*

Hypnum bambergeri (106)

Dg: 06AA *Car fir*

Hypnum callichroum (4)

Dg: 03CB *Asp sep*

Hypnum cupressiforme agg. (956)

Dg: 03CD *Hyp-Pol*, 08 *EP*
C: 03CD *Hyp-Pol*, 08 *EP*, 08AA *Pul-Pin*, 26 *QR*
Dm: 03 *AT*, 03CB *Asp sep*, 03CD *Hyp-Pol*

Hypnum hamulosum (53)

Dg: 42AA *Oxy-Ely*

Hypochaeris maculata (390)

Dg: 10BB *Cir-Bra*

Hypochaeris uniflora (637)

Dg: 47 *NS*

Impatiens glandulifera (153)

Dg: 31 *SP*, 43BA *Sen flu*
Dm: 43 *GU*, 43BA *Sen flu*

Impatiens noli-tangere (1969)

Dg: 19BC *Car rem*

C: 19BC *Car rem*, 20EA *Pet off*, 27BC *Til-Ace*, 28BA *Sam-Sal*

Dm: 43AB *Imp-Sta*

Impatiens parviflora (751)

Dm: 43AB *Imp-Sta*

Inula britannica (325)

Dg: 11 *FP*, 17BE *Cni ven*

Inula ensifolia (847)

Dg: 10 *FB*, 10AF *Dia-Ses*
C: 10AF *Dia-Ses*
Dm: 10BB *Cir-Bra*

Inula oculus-christi (42)

Dg: 10AB *Asp-Fes*

Iris pseudacorus (1120)

Dg: 01 *AG*, 31 *SP*, 31AC *Sal alb*
C: 01 *AG*, 22 *PM*, 31 *SP*, 31AC *Sal alb*

Isolepis setacea (20)

Dg: 12 *IN*, 12AB *Rad lin*
C: 12AB *Rad lin*

Isopyrum thalictroides (307)

Dg: 46 *BA*

Isothecium alopecuroides (Lam. ex Dudois) Isov. (41)

Dg: 03CD *Hyp-Pol*

Iva xanthiifolia (159)

Dg: 33DB *Atr nit*
Dm: 33DB *Atr nit*

Jasione montana (93)

Dg: 09 *FV*, 48 *CU*
C: 09 *FV*

Jovibarba globifera (1528)

Dg: 08 *EP*, 08AA *Pul-Pin*
C: 06 *ES*, 06AB *Ast-Ses*, 08 *EP*, 08AA *Pul-Pin*, 10AC *Bro-Fes*, 34 *SS*, 34CA *Aly-Sed*

Juncus alpinoarticulatus (98)

Dg: 32BB *Rhy alb*

Juncus articulatus (1539)

Dg: 12 *IN*, 32 *SC*
C: 12 *IN*, 12AD *Ela-Ele*, 19BB *Lyc-Cra*, 32 *SC*, 32AG *Sph-Tom*

Juncus bufonius* agg. (233)*Dg:** 11DA *Cyp-Spe*, 12 *IN*, 12AA *Nan fla***C:** 12 *IN*, 12AA *Nan fla***Dm:** 12AD *Ela-Ele****Juncus bulbosus* (38)****Dg:** 12 *IN*, 12AB *Rad lin***C:** 12AB *Rad lin****Juncus capitatus* (16)****Dg:** 12AB *Rad lin****Juncus compressus* (145)****Dg:** 11AC *Bec eru***C:** 11AC *Bec eru****Juncus effusus* (1350)****Dg:** 17CD *Jun eff*, 18 *MB***C:** 17CD *Jun eff*, 18 *MB*, 18AA *Eri-Bet***Dm:** 17CD *Jun eff****Juncus filiformis* (205)****Dm:** 32CC *Dre exa****Juncus gerardii* (103)****Dg:** 11 *FP*, 11AA *Jun ger*, 11BA *Puc lim***Dm:** 11 *FP*, 11BA *Puc lim****Juncus inflexus* (489)****Dg:** 11AA *Jun ger*, 19BB *Lyc-Cra***Dm:** 11AA *Jun ger****Juncus tenuis* (107)****Dg:** 17DA *Pla-Pru***Dm:** 17DA *Pla-Pru****Juncus trifidus* (1620)****Dg:** 13 *CC*, 13AA *Jun tri*, 42 *CK*, 42AB *Fes ver*, 45 *LV*, 45AA *Loi-Vac***C:** 13 *CC*, 13AA *Jun tri*, 42 *CK*, 42AA *Oxy-Ely*,42AB *Fes ver*, 45 *LV*, 45AA *Loi-Vac***Dm:** 13 *CC*, 13AA *Jun tri****Jungermannia atrovirens* (37)****Dg:** 30BA *Ara cae****Jungermannia gracillima* (3)****Dg:** 19AC *Phi ser****Jungermannia sphaerocarpa* (94)****Dg:** 32BB *Rhy alb*, 40 *OS****Juniperus communis* agg. (1099)****Dg:** 08 *EP***C:** 08 *EP*, 08AA *Pul-Pin****Kernera saxatilis* (598)****Dg:** 03AA *Pot cau*, 08 *EP*, 08AA *Pul-Pin***C:** 08 *EP*, 08AA *Pul-Pin****Kiaeria starkei* agg. (304)****Dg:** 30 *SH*, 30AA *Sal her***C:** 30 *SH*, 30AA *Sal her***Dm:** 30 *SH*, 30AA *Sal her****Kickxia elatine* (46)****Dg:** 33AB *She arv***C:** 33AB *She arv***Dm:** 33AB *She arv****Knautia dipsacifolia* (493)****Dg:** 20CC *Cal aru*, 46 *BA*, 46AA *Sal sil***C:** 20CC *Cal aru*, 46 *BA****Knautia kitaibelii* (1029)****Dg:** 08 *EP*, 10BA *Bro ere***C:** 08 *EP*, 10BA *Bro ere****Knautia slovacica* (68)****Dg:** 08 *EP*, 08AA *Pul-Pin****Kobresia myosuroides* (16)****Dg:** 42AA *Oxy-Ely****Koeleria glauca* (77)****Dg:** 09 *FV*, 09AA *Fes vag****Koeleria macrantha* (840)****Dg:** 10 *FB*, 10AA *Fes val*, 10AB *Asp-Fes***C:** 10 *FB*, 10AA *Fes val*, 10AB *Asp-Fes****Lactuca alpina* (594)****Dg:** 39BB *Chr-Pic***C:** 39BB *Chr-Pic***Dm:** 20DA *Adenost****Lactuca muralis* (3620)****Dg:** 25 *PU*, 27 *QF***C:** 02AC *Ery-Hac*, 07 *EA*, 07AA *Atropio*, 25 *PU*, 25AA *Cyt-Pin*, 26 *QR*, 26BA *Pin-Que*, 27 *QF*, 27BB *Car bet*, 27BC *Til-Ace*, 27BD *Fagion*, 27BE *Luz-Fag*, 39 *VP*, 39BD *Abi alb****Lactuca perennis* (213)****Dg:** 28AC *Pru fru****Lactuca quercina* (53)****Dg:** 25 *PU*, 25AA *Cyt-Pin****Lactuca saligna* (25)****Dg:** 11CA *Fes pse*

Lactuca serriola (1268)**Dg:** 02 AV, 33DA *Sis off***C:** 33DA *Sis off*, 33DB *Atr nit***Dm:** 33DA *Sis off****Lamium album*** (319)**Dg:** 43AC *Aeg pod****Lamium amplexicaule*** (288)**Dg:** 33AC *Ver-Eup*, 33BB *Spe-Oxa****Lamium purpureum*** (513)**Dg:** 29 RO, 29AB *Bal-Rob***C:** 29 RO, 29AB *Bal-Rob****Lapsana communis*** (947)**Dm:** 33AB *She arv****Larix decidua*** (533)**Dg:** 08 EP, 08AA *Pul-Pin***C:** 08 EP, 08AA *Pul-Pin****Lasallia pustulata*** (10)**Dg:** 39CA *Dic-Pin****Laser trilobum*** (50)**Dg:** 27AA *Que pub****Laserpitium latifolium*** (1145)**Dg:** 08 EP, 08AA *Pul-Pin*, 20CD *Cal var*, 46 BA**C:** 08 EP, 08AA *Pul-Pin*, 20CD *Cal var*, 46 BA, 46AA *Sal sil****Laserpitium prutenicum*** (34)**Dg:** 17BC *Molinio****Lathyrus latifolius*** (128)**Dg:** 10BB *Cir-Bra****Lathyrus niger*** (933)**Dg:** 25 PU, 25AA *Cyt-Pin*, 27AB *Que-cer***C:** 25 PU, 25AA *Cyt-Pin*, 27AB *Que-cer****Lathyrus pratensis*** (3347)**C:** 17 MA, 17BA *Cal pal****Lathyrus tuberosus*** (396)**Dg:** 33AA *Cau lap***Dm:** 33AB *She arv****Lathyrus vernus*** (1764)**Dg:** 25 PU, 27BB *Car bet*, 46 BA, 46AA *Sal sil***C:** 25 PU, 27 QF, 27BB *Car bet*, 46 BA, 46AA *Sal sil****Ledum palustre*** → ***Rhododendron tomentosum******Leersia oryzoides*** (64)**Dm:** 22BA *Sph-Gly****Lemna gibba*** (48)**Dg:** 15 LE, 15AA *Lem min***Dm:** 15 LE, 15AA *Lem min****Lemna minor*** (889)**Dg:** 15 LE, 15AA *Lem min*, 15BA *Utr vul*, 15CA*Hyd mor***C:** 15 LE, 15AA *Lem min*, 15BA *Utr vul*, 15CA *Hyd**mor*, 24 PO, 41 CF**Dm:** 15 LE, 15AA *Lem min*, 15BA *Utr vul****Lemna trisulca*** (275)**Dg:** 15 LE, 15BA *Utr vul*, 15CA *Hyd mor***C:** 15 LE, 15CA *Hyd mor***Dm:** 15 LE, 15AA *Lem min*, 15BA *Utr vul*, 15CA*Hyd mor****Leontodon autumnalis*** → ***Scorzonerooides autumnalis******Leontodon pseudotaraxaci*** → ***Scorzonerooides pseudotaraxaci******Leontodon hispidus*** (4373)**Dg:** 17 MA**C:** 10BA *Bro ere*, 10BB *Cir-Bra*, 17 MA, 17AA *Arh ela*, 17AB *Cyn cri*, 17EA *Pol-Tri*, 20CE *Fes car****Leontodon incanus*** (914)**Dg:** 08 EP, 08AA *Pul-Pin*, 10AF *Dia-Ses***C:** 08 EP, 08AA *Pul-Pin*, 10AF *Dia-Ses****Leontopodium alpinum*** (187)**Dg:** 03AA *Pot cau****Lepidium campestre*** (130)**Dg:** 33AB *She arv***Dm:** 33AB *She arv****Lepidium perfoliatum*** (11)**Dg:** 35 TS***Lepidium ruderales*** (358)**Dg:** 23 PP**Dm:** 23 PP, 23AA *Mat-Pol****Lepraria incana*** (5)**Dg:** 03CB *Asp sep*

Leucanthemopsis alpina (566)**Dg:** 30 SH, 36BA *And alp***C:** 30 SH, 36BA *And alp***Leucanthemum vulgare** agg. (5509)**Dg:** 17 MA**C:** 06 ES, 08 EP, 10BA *Bro ere*, 10BB *Cir-Bra*, 17 MA, 17AA *Arh ela*, 17AB *Cyn cri*, 17BD *Des cae*, 17EA *Pol-Tri*, 20CD *Cal var*, 46 BA**Leucobryum glaucum** (141)**Dg:** 26 QR, 26BA *Pin-Que*, 39CA *Dic-Pin***C:** 39CA *Dic-Pin***Leucojum aestivum** (137)**Dg:** 17BE *Cni ven*, 31 SP, 31AC *Sal alb***Ligusticum mutellina** (2867)**Dg:** 30 SH, 30AB *Fes pic***C:** 13 CC, 13AA *Jun tri*, 17EB *Poi alp*, 19AC *Phi ser*, 20 MU, 20CA *Cal vil*, 20CB *Tri fus*, 20DA *Adenost*, 30 SH, 30AA *Sal her*, 30AB *Fes pic*, 30BA *Ara cae*, 45 LV, 47AA *Nardion***Dm:** 30 SH, 30AA *Sal her*, 30AB *Fes pic***Ligusticum mutellinoides** (329)**Dg:** 42 CK, 42AA *Oxy-Ely*, 42AB *Fes ver***C:** 42 CK, 42AA *Oxy-Ely***Ligustrum vulgare** (1779)**Dg:** 27AA *Que pub*, 27AB *Que-cer*, 27AC *Ace-Que*, 28 RH**C:** 27AA *Que pub*, 27AB *Que-cer*, 27AC *Ace-Que*, 27BB *Car bet*, 28 RH, 28AA *Ber vul***Lilium martagon** (1166)**Dg:** 46 BA, 46AA *Sal sil***C:** 46 BA, 46AA *Sal sil***Limonium gmelinii** (35)**Dg:** 35 TS, 35AB *The-Cam***Limosella aquatica** (54)**Dg:** 12 IN, 12AD *Ela-Ele*, 16AC *Ele aci***Dm:** 12AD *Ela-Ele*, 16 IL, 16AC *Ele aci***Linaria pallidiflora** (58)**Dg:** 28AC *Pru fru***Linaria vulgaris** (547)**Dm:** 33AB *She arv***Linum catharticum** (2521)**C:** 10BA *Bro ere*, 10BB *Cir-Bra***Linum extraaxillare** (389)**Dg:** 20CE *Fes car*, 46 BA**Linum tenuifolium** (319)**Dg:** 10 FB**Lithospermum purpurocaeruleum** (314)**Dg:** 27AA *Que pub*, 27AC *Ace-Que***Lloydia serotina** → *Gagea serotina***Lolium perenne** (1560)**Dg:** 23 PP**C:** 23 PP, 23AA *Mat-Pol***Dm:** 17AB *Cyn cri***Lonicera nigra** (959)**Dg:** 39 VP, 39BB *Chr-Pic*, 39BD *Abi alb***C:** 39 VP, 39BB *Chr-Pic*, 39BD *Abi alb***Lonicera xylosteum** (1323)**Dg:** 25 PU**C:** 25 PU**Lophozia ventricosa** (99)**Dg:** 03CD *Hyp-Pol***Lotus corniculatus** (5979)**C:** 06 ES, 06AC *Ses tat*, 10 FB, 10BA *Bro ere*, 10BB *Cir-Bra*, 11CA *Fes pse*, 12AB *Rad lin*, 17 MA, 17AA *Arh ela*, 17AB *Cyn cri*, 17BE *Cni ven*, 17EA *Pol-Tri*, 20CD *Cal var*, 47AC *Vio can*, 48AC *Eup-Cal***Dm:** 33AB *She arv***Lotus tenuis** (235)**Dg:** 11 FP, 11AA *Jun ger*, 11AC *Bec eru***C:** 11 FP, 11AC *Bec eru***Lotus uliginosus** (57)**Dg:** 32AG *Sph-Tom***Lunaria rediviva** (350)**Dg:** 27BC *Til-Ace***Dm:** 27BC *Til-Ace***Luzula alpinopilosa** (1991)**Dg:** 13 CC, 30 SH, 30AA *Sal her*, 30AB *Fes pic*, 36BA *And alp*, 42 CK**C:** 13 CC, 13AA *Jun tri*, 19AC *Phi ser*, 20CB *Tri fus*, 30 SH, 30AA *Sal her*, 30AB *Fes pic*, 36BA *And alp*, 42 CK, 42AB *Fes ver***Dm:** 30 SH, 30AB *Fes pic*

Luzula campestris* agg. (3865)*Dg:** 17 MA, 47 NS**C:** 17 MA, 17AA Arh ela, 17AB Cyn cri, 17EA Pol-Tri, 47 NS, 47AB Nar-Agr, 47AC Vio can***Luzula luzuloides* (4491)****Dg:** 25 PU, 47 NS**C:** 07 EA, 20 MU, 20CA Cal vil, 20CC Cal aru, 20CE Fes car, 25 PU, 25AA Cyt-Pin, 26 QR, 26AA Gen-Que, 27AD Que pet, 27BE Luz-Fag, 39 VP, 39AA Pic exc, 39CA Dic-Pin, 45 LV, 45AB Vac myr, 46 BA, 47 NS, 47AB Nar-Agr, 47AC Vio can, 48AD Gen-Vac**Dm:** 25 PU, 25AA Cyt-Pin, 26 QR, 26AA Gen-Que, 27BE Luz-Fag***Luzula pilosa* (572)****Dg:** 25 PU**C:** 25 PU***Luzula spicata* (230)****Dg:** 42 CK, 42AA Oxy-Ely, 42AB Fes ver**C:** 42 CK, 42AA Oxy-Ely***Luzula sudetica* (183)****Dg:** 42AA Oxy-Ely***Luzula sylvatica* (1463)****Dg:** 39 VP, 39BB Chr-Pic, 39BC Ath-Pic, 46 BA, 46AA Sal sil**C:** 20CE Fes car, 39 VP, 39BA Oxa-Pic, 39BB Chr-Pic, 39BC Ath-Pic, 46 BA, 46AA Sal sil, 48AD Gen-Vac***Lycium barbarum* (63)****Dg:** 28BB Arc-Sam**C:** 28BB Arc-Sam**Dm:** 28 RH, 28BB Arc-Sam***Lycopodiella inundata* (11)****Dg:** 12AB Rad lin***Lycopus europaeus* (1917)****Dg:** 01 AG, 01BA Aln glu**C:** 01 AG, 01BA Aln glu, 17CD Jun eff, 31AB Sal tri***Lychnis coronaria* (29)****Dg:** 27AB Que-cer***Lychnis flos-cuculi* (3005)****Dg:** 17 MA, 17BB Alo pra, 17BE Cni ven, 32 SC**C:** 17 MA, 17BA Cal pal, 17BB Alo pra, 17BD Des cae, 17BE Cni ven, 32CA Car fus***Lychnis viscaria* → *Viscaria vulgaris******Lysimachia nummularia* (3128)****Dg:** 17BE Cni ven, 31 SP**C:** 17BB Alo pra, 17BE Cni ven, 31 SP, 31AC Sal alb***Lysimachia vulgaris* (2881)****Dg:** 01 AG, 17BF Ver-Lys**C:** 01 AG, 01AA Sal cin, 01BA Aln glu, 17BC Molinio, 17BF Ver-Lys, 18 MB, 18AA Eri-Bet, 22 PM, 22EA Mag ela, 31 SP, 31AB Sal tri**Dm:** 17BF Ver-Lys***Lythrum hyssopifolia* (130)****Dg:** 12 IN, 12AA Nan fla**C:** 12 IN, 12AA Nan fla***Lythrum salicaria* (2653)****Dg:** 22 PM**C:** 01 AG, 17CD Jun eff, 22 PM, 22EA Mag ela, 31 SP***Lythrum virgatum* (287)****Dg:** 17BE Cni ven**C:** 17BE Cni ven***Maianthemum bifolium* (1921)****Dg:** 39 VP, 39BD Abi alb**C:** 39 VP, 39AA Pic exc, 39BB Chr-Pic, 39BD Abi alb***Malva neglecta* (384)****Dg:** 33DC Mal neg**C:** 33DC Mal neg**Dm:** 33DC Mal neg***Malva pusilla* (82)****Dg:** 33DC Mal neg**Dm:** 33DC Mal neg***Marrubium peregrinum* (95)****Dg:** 02AA Ono aca**Dm:** 02AA Ono aca***Marsilea quadrifolia* (10)****Dm:** 12AD Ela-Ele, 16 IL, 16AC Ele aci***Matricaria chamomilla* (393)****Dg:** 11BA Puc lim, 35 TS, 35AB The-Cam**C:** 11BA Puc lim, 35 TS, 35AB The-Cam**Dm:** 35 TS, 35AB The-Cam***Matricaria discoidea* (615)****Dg:** 23 PP, 23AA Mat-Pol**C:** 23 PP, 23AA Mat-Pol**Dm:** 17EC Alc-Poi, 23 PP, 23AA Mat-Pol

Medicago falcata (1228)

Dg: 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra*
C: 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra*

Medicago lupulina (2222)

Dm: 33AB *She arv*

Meesia uliginosa (70)

Dg: 30BA *Ara cae*

Melampyrum cristatum (158)

Dg: 27AA *Que pub*

Melampyrum nemorosum (554)

Dm: 37AB *Tri med*

Melampyrum pratense (549)

Dg: 26 *QR*, 26AA *Gen-Que*, 27AD *Que pet*, 37BA
Mel pra
C: 26 *QR*, 26AA *Gen-Que*, 27AD *Que pet*, 37BA
Mel pra

Melica nutans (1592)

Dg: 25 *PU*, 25AA *Cyt-Pin*
C: 25 *PU*, 25AA *Cyt-Pin*, 28AB *Cor-Pop*, 46 *BA*

Melica uniflora (1386)

Dg: 27 *QF*, 27BB *Car bet*
C: 27BB *Car bet*
Dm: 27 *QF*, 27AA *Que pub*, 27BB *Car bet*

Melilotus albus (227)

Dm: 02AB *Dau-Mel*

Melilotus officinalis (466)

Dg: 02 *AV*, 02AB *Dau-Mel*

Melittis melissophyllum (1329)

Dg: 25 *PU*
C: 25 *PU*

Mentha arvensis (1052)

Dm: 33AB *She arv*

Mentha longifolia (1681)

Dm: 11 *FP*, 11AA *Jun ger*, 17BA *Cal pal*

Menyanthes trifoliata (515)

Dg: 16 *IL*, 16BB *Sph-Utr*, 32CB *Car las*
C: 16 *IL*, 16BB *Sph-Utr*, 32CB *Car las*
Dm: 32CB *Car las*

Mercurialis perennis (2495)

Dg: 27 *QF*, 27BC *Til-Ace*

C: 20CD *Cal var*, 27 *QF*, 27BC *Til-Ace*, 27BD *Fagion*

Dm: 27BC *Til-Ace*

Metzgeria conjugata (72)

Dg: 03 *AT*

Milium effusum (1283)

C: 20DA *Adenost*, 39BB *Chr-Pic*

Minuartia langii (610)

Dg: 03AA *Pot cau*, 06 *ES*, 06AB *Ast-Ses*, 08 *EP*,
08AA *Pul-Pin*
C: 03AA *Pot cau*, 06 *ES*, 06AB *Ast-Ses*, 08 *EP*

Minuartia pauciflora (294)

Dg: 42 *CK*, 42AA *Oxy-Ely*
C: 42 *CK*, 42AA *Oxy-Ely*

Minuartia verna, *M. gerardii* → *Minuartia pauciflora*

Minuartia sedoides (427)

Dg: 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver*
C: 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver*

Misopates orontium (44)

Dg: 33AB *She arv*
C: 33AB *She arv*
Dm: 33AB *She arv*

Mnium thomsonii (171)

Dg: 42 *CK*, 42AA *Oxy-Ely*
C: 42AA *Oxy-Ely*

Moehringia muscosa (88)

Dg: 36CC *Ara alp*

Moehringia trinervia (601)

Dg: 25 *PU*

Molinia caerulea agg. (1149)

Dg: 17BC *Molinio*, 18 *MB*
C: 17BC *Molinio*, 18 *MB*
Dm: 01BA *Aln glu*, 17BC *Molinio*, 18 *MB*, 18AA
Eri-Bet, 26 *QR*, 26AA *Gen-Que*, 40AB *Sph med*

Moneses uniflora (161)

Dg: 39BA *Oxa-Pic*

Mycelis muralis → *Lactuca muralis*

Mycobilimbia lobulata (48)

Dg: 42AA *Oxy-Ely*

Mylia anomala (13)**Dg:** 40AA *Oxy-Emp****Myosotis alpestris*** (439)**Dg:** 30BA *Ara cae*, 36AA *Pap tat*, 42 CK, 42AA *Oxy-Ely***C:** 30BA *Ara cae*, 36AA *Pap tat*, 42 CK, 42AA *Oxy-Ely****Myosotis arvensis*** (640)**Dg:** 33AB *She arv*, 33BA *Scl ann***C:** 33AB *She arv*, 33BA *Scl ann****Myosotis scorpioides* agg.** (4203)**C:** 01 AG, 17BA *Cal pal*, 17BF *Ver-Lys*, 17CD *Jun eff*, 19BC *Car rem*, 20EA *Pet off*, 31 SP, 31AA *Sal inc*, 31AB *Sal tri*, 32 SC, 32CA *Car fus****Myosotis sylvatica* agg.** (1213)**Dg:** 46 BA**C:** 46 BA***Myosurus minimus*** (58)**Dg:** 11AC *Bec eru*, 12 IN, 12AA *Nan fla***C:** 11AC *Bec eru*, 12AA *Nan fla***Dm:** 12 IN, 12AA *Nan fla****Myricaria germanica*** (33)**Dg:** 31AA *Sal inc***Dm:** 31AA *Sal inc****Myriophyllum spicatum*** (184)**Dg:** 24 PO, 24BA *Ran flu***C:** 24 PO, 24BA *Ran flu***Dm:** 24 PO, 24AB *Pot luc*, 24BA *Ran flu****Myriophyllum verticillatum*** (107)**Dg:** 24 PO**Dm:** 24AB *Pot luc****Myurella julacea*** (110)**Dg:** 42AA *Oxy-Ely****Najas marina*** (53)**Dg:** 24AC *Pot pus*, 41 CF**Dm:** 24 PO, 24AC *Pot pus****Najas minor*** (19)**Dm:** 24AC *Pot pus****Nardus stricta*** (2781)**Dg:** 47 NS, 47AA *Nardion*, 47AB *Nar-Agr*, 47AC *Vio can*, 48AC *Eup-Cal*, 48AD *Gen-Vac***C:** 17AB *Cyn cri*, 47 NS, 47AA *Nardion*, 47AB *Nar-Agr*, 47AC *Vio can*, 48 CU, 48AC *Eup-Cal*, 48AD***Gen-Vac*****Dm:** 17AB *Cyn cri*, 47 NS, 47AA *Nardion*, 47AB *Nar-Agr*, 47AC *Vio can*, 48AC *Eup-Cal****Neckera crispa*** (231)**Dg:** 03 AT, 03AB *Cystopt*, 08 EP**C:** 03 AT, 03AB *Cystopt***Dm:** 03AB *Cystopt*, 03BA *Cym-Asp*, 03CD *Hyp-Pol****Nepeta cataria*** (38)**Dg:** 02AC *Ery-Hac****Nitellopsis obtusa*** (2)**Dg:** 41 CF, 41BA *Cha fra***Dm:** 41 CF, 41BA *Cha fra****Nuphar lutea*** (106)**Dg:** 24 PO, 24AA *Nym alb***C:** 24AA *Nym alb***Dm:** 24 PO, 24AA *Nym alb****Nymphaea alba*** (92)**Dg:** 24 PO, 24AA *Nym alb***Dm:** 24 PO, 24AA *Nym alb****Odontites vulgaris* agg.** (328)**Dg:** 11 FP***Oenanthe silaifolia*** (85)**Dg:** 17BE *Cni ven****Onobrychis viciifolia*** (203)**Dg:** 10BA *Bro ere****Onopordum acanthium*** (286)**Dg:** 02AB *Dau-Mel***Dm:** 02AB *Dau-Mel****Orchis purpurea*** (33)**Dg:** 25 PU***Oreochloa disticha*** (1652)**Dg:** 13 CC, 13AA *Jun tri*, 42 CK, 42AB *Fes ver*, 45 LV, 45AA *Loi-Vac***C:** 13 CC, 13AA *Jun tri*, 36BA *And alp*, 42 CK, 42AB *Fes ver*, 45 LV, 45AA *Loi-Vac***Dm:** 13 CC, 13AA *Jun tri****Origanum vulgare*** (1059)**Dg:** 37 TG**C:** 28AC *Pru fru*, 37 TG, 37AB *Tri med****Orlaya grandiflora*** (26)**Dg:** 10AB *Asp-Fes*

Ornithogalum boucheanum (37)**Dg:** 29 RO, 29AB Bal-Rob***Orobanche flava*** (154)**Dg:** 20EA Pet off***Orphantha lutea*** (33)**Dg:** 10CA Koe-Phl***Orthothecium rufescens*** (198)**Dg:** 03 AT, 03AB Cystopt***Orthotrichum anomalum*** (86)**Dg:** 08 EP, 08AA Pul-Pin***Oryzopsis virescens*** (156)**Dg:** 27AA Que pub***Oxalis acetosella*** (3808)

Dg: 39 VP, 39AA Pic exc, 39BA Oxa-Pic, 39BB Chr-Pic, 39BC Ath-Pic, 39BD Abi alb
C: 27 QF, 27BC Til-Ace, 27BD Fagion, 27BE Luz-Fag, 28AB Cor-Pop, 28BA Sam-Sal, 39 VP, 39AA Pic exc, 39BA Oxa-Pic, 39BB Chr-Pic, 39BC Ath-Pic, 39BD Abi alb, 44 RP
Dm: 39BA Oxa-Pic, 39BD Abi alb

Oxalis fontana (221)

Dg: 33AB She arv, 33BB Spe-Oxa
C: 33BB Spe-Oxa
Dm: 33AB She arv

Oxycoccus palustris → ***Vaccinium oxycoccos******Oxycoccus microcarpus*** → ***Vaccinium microcarpum******Oxyria digyna*** (202)

Dg: 36 TR, 36BA And alp
C: 36BA And alp

Oxytropis carpatica (76)**Dg:** 42AA Oxy-Ely***Oxytropis halleri*** (59)

Dg: 42 CK, 42AA Oxy-Ely
C: 42AA Oxy-Ely

Paludella squarrosa (30)**Dg:** 32CC Dre exa***Palustriella commutata*** (447)

Dg: 19 MC, 19AE Cra com, 19BB Lyc-Cra
C: 19 MC, 19AE Cra com, 19BB Lyc-Cra

Dm: 19 MC, 19AA Cra-Cal, 19AE Cra com, 19BB Lyc-Cra

Palustriella decipiens (154)

Dg: 19 MC, 19AA Cra-Cal
Dm: 19 MC, 19AA Cra-Cal

Panicum capillare (32)

Dg: 33EB Sal rut
Dm: 33EB Sal rut
Panicum miliaceum (20)
Dm: 33EA Eragros

Papaver rhoeas (390)**Dg:** 33AA Cau lap***Papaver taticum*** (65)**Dg:** 36AA Pap tat***Parietaria officinalis*** (221)

Dg: 36CB Par off, 43AB Imp-Sta
C: 36CB Par off
Dm: 36CB Par off, 43AB Imp-Sta

Paris quadrifolia (1240)

Dg: 46 BA
C: 46 BA

Parmelia saxatilis (29)**Dg:** 39CA Dic-Pin***Parnassia palustris*** (1420)

Dg: 32 SC
C: 06AC Ses tat, 11AB Hal-Tri, 32 SC, 32AB Car dav

Pastinaca sativa (768)**Dg:** 02 AV***Pedicularis oederi*** (605)

Dg: 30BA Ara cae, 42 CK, 42AA Oxy-Ely, 42AB Fes ver
C: 30BA Ara cae, 42 CK, 42AA Oxy-Ely, 42AB Fes ver

Pedicularis palustris (516)**Dg:** 32 SC, 32CB Car las***Pedicularis sylvatica*** (29)**Dg:** 32AG Sph-Tom***Pedicularis verticillata*** (777)

Dg: 42 CK, 42AB Fes ver
C: 06AA Car fir, 42 CK, 42AA Oxy-Ely, 42AB Fes ver

Pedinophyllum interruptum (14)**Dg:** 03CD *Hyp-Pol****Pellia neesiana*** (65)**Dg:** 19AC *Phi ser****Peplis portula*** (54)**Dg:** 12 IN, 12AD *Ela-Ele***Dm:** 12AD *Ela-Ele****Persicaria amphibia*** (777)**Dm:** 24AA *Nym alb****Persicaria dubia*** (342)**Dg:** 04 BT, 04AA *Bid tri***Dm:** 04 BT, 04AA *Bid tri****Persicaria hydropiper*** (883)**Dg:** 04 BT, 04AA *Bid tri***C:** 04 BT, 04AA *Bid tri*, 31AB *Sal tri***Dm:** 04 BT, 04AA *Bid tri****Persicaria lapathifolia*** (1121)**Dg:** 04 BT, 04AB *Che gla*, 12 IN**C:** 04 BT, 04AA *Bid tri*, 04AB *Che gla*, 12 IN, 12AD *Ela-Ele*, 33BB *Spe-Oxa***Dm:** 04 BT, 04AA *Bid tri*, 04AB *Che gla****Persicaria maculosa*** (577)**Dm:** 04AB *Che gla****Petasites albus*** (925)**Dm:** 19BC *Car rem****Petasites hybridus*** (752)**Dg:** 20 MU, 20EA *Pet off*, 31AA *Sal inc***C:** 20EA *Pet off*, 31AA *Sal inc***Dm:** 20 MU, 20EA *Pet off*, 22BB *Pha aru*, 31AA *Sal inc****Petasites kablikianus*** (231)**Dg:** 20EA *Pet off***Dm:** 20 MU, 20EA *Pet off****Petrocallis pyrenaica*** (12)**Dg:** 03AA *Pot cau****Petrorhagia saxifraga*** (44)**Dg:** 09 FV, 09AA *Fes vag*, 48AC *Eup-Cal***C:** 09 FV***Peucedanum cervaria*** (325)**Dg:** 37 TG***Peucedanum palustre*** (319)**Dg:** 01 AG, 17BF *Ver-Lys***C:** 01 AG, 17BF *Ver-Lys****Phaeorrhiza nimbose*** (17)**Dg:** 42AA *Oxy-Ely****Phalaris arundinacea*** (1367)**Dg:** 22BB *Pha aru*, 31 SP, 31AB *Sal tri*, 31AC *Sal alb***C:** 22BB *Pha aru*, 31 SP, 31AB *Sal tri*, 31AC *Sal alb***Dm:** 22 PM, 22BB *Pha aru*, 22EA *Mag ela*, 31 SP, 31AC *Sal alb****Phegopteris connectilis*** (358)**Dg:** 39 VP***Phellandrium aquaticum*** (470)**Dg:** 22CA *Oen aqu***C:** 22CA *Oen aqu***Dm:** 22CA *Oen aqu****Philonotis calcarea*** (85)**Dg:** 19AE *Cra com****Philonotis seriata*** (212)**Dg:** 19 MC, 19AA *Cra-Cal*, 19AC *Phi ser***C:** 19AA *Cra-Cal*, 19AC *Phi ser***Dm:** 19 MC, 19AA *Cra-Cal*, 19AC *Phi ser****Phleum hirsutum*** (557)**Dg:** 06AC *Ses tat*, 20CC *Cal aru*, 20CE *Fes car*, 46 BA**C:** 20CE *Fes car****Phleum phleoides*** (337)**Dg:** 10CA *Koe-Phl***C:** 10CA *Koe-Phl****Phleum rhaeticum*** (801)**Dg:** 47 NS**C:** 47 NS***Phlomis tuberosa*** (8)**Dg:** 27AC *Ace-Que****Pholiurus pannonicus*** (14)**Dg:** 11BA *Puc lim****Phragmites australis*** (1112)**Dm:** 01AA *Sal cin*, 22 PM, 22AA *Phr aus****Phyllitis scolopendrium* → *Asplenium scolopendrium***

Physconia muscigena (44)**Dg:** 42AA *Oxy-Ely***Phyteuma orbiculare** (2115)**Dg:** 06 ES, 06AC *Ses tat*, 08 EP, 08AA *Pul-Pin*
C: 03 AT, 06 ES, 06AA *Car fir*, 06AB *Ast-Ses*, 06AC *Ses tat*, 08 EP, 08AA *Pul-Pin*, 20CD *Cal var*, 20CE *Fes car*, 42 CK, 42AA *Oxy-Ely*, 46 BA**Phyteuma spicatum** (1438)**Dg:** 46 BA
C: 46 BA**Phytolacca americana** (20)**Dg:** 26BA *Pin-Que***Picea abies** (4427)**Dg:** 18 MB, 39 VP
C: 07 EA, 07AA *Atropio*, 07AC *Car-Epi*, 08 EP, 08AA *Pul-Pin*, 18 MB, 18AA *Eri-Bet*, 25 PU, 27BD *Fagion*, 27BE *Luz-Fag*, 28BA *Sam-Sal*, 39 VP, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 39BD *Abi alb*, 39CA *Dic-Pin*, 44 RP, 46 BA, 46AA *Sal sil*, 48AD *Gen-Vac*, 49 VU, 49AB *Eri-Pic*
Dm: 18 MB, 18AA *Eri-Bet*, 27BD *Fagion*, 27BE *Luz-Fag*, 39 VP, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 39BD *Abi alb***Pilosella bauhinii** (1346)**C:** 10CA *Koe-Phl***Pilosella officinarum** (1935)**Dg:** 48AC *Eup-Cal*
C: 10CA *Koe-Phl*, 47AC *Vio can*, 48AC *Eup-Cal***Pimpinella major** (1667)**Dg:** 20CD *Cal var*, 46 BA, 46AA *Sal sil*
C: 20CC *Cal aru*, 20CD *Cal var*, 20CE *Fes car*, 46 BA, 46AA *Sal sil***Pimpinella saxifraga** (3956)**Dg:** 10 FB
C: 10 FB, 10BA *Bro ere*, 10BB *Cir-Bra*, 17 MA, 17AA *Arh ela*, 17AB *Cyn cri*, 27AA *Que pub*, 37AB *Tri med*, 50 FR**Pinguicula alpina** (339)**Dg:** 06AA *Car fir*
C: 06AA *Car fir***Pinguicula vulgaris** (669)**Dg:** 11AB *Hal-Tri*, 16BA *Sco-Utr*, 32 SC
C: 11AB *Hal-Tri*, 16BA *Sco-Utr***Pinus × celakovskiorum** Aschers. et Graebn.⁸ (23)**Dg:** 49 VU, 49AB *Eri-Pic*
C: 49 VU
Dm: 49 VU, 49AB *Eri-Pic***Pinus cembra** (104)**Dm:** 39AA *Pic exc***Pinus mugo** (1107)**Dg:** 44 RP, 44AA *Pin mug*, 49 VU, 49AB *Eri-Pic*
C: 44 RP, 44AA *Pin mug*, 49 VU, 49AB *Eri-Pic*
Dm: 44 RP, 44AA *Pin mug*, 49 VU, 49AB *Eri-Pic***Pinus sylvestris** (1224)**Dg:** 08 EP, 08AA *Pul-Pin*, 18 MB, 26BA *Pin-Que*, 39CA *Dic-Pin*
C: 08 EP, 08AA *Pul-Pin*, 18 MB, 18AA *Eri-Bet*, 25 PU, 25AA *Cyt-Pin*, 26 QR, 26BA *Pin-Que*, 39CA *Dic-Pin*, 48AC *Eup-Cal*
Dm: 08 EP, 08AA *Pul-Pin*, 25 PU, 25AA *Cyt-Pin*, 26 QR, 26BA *Pin-Que***Plagiobryum demissum** (27)**Dg:** 42AA *Oxy-Ely***Plagiochila porelloides** (213)**Dg:** 42AA *Oxy-Ely***Plagiomnium affine agg.** (2489)**Dg:** 32 SC
C: 16BA *Sco-Utr*, 17BF *Ver-Lys*, 32 SC, 32AB *Car dav*, 32AG *Sph-Tom*
Dm: 36CC *Ara alp***Plagiomnium undulatum** (510)**Dg:** 39BD *Abi alb***Plagiopus oederiana** (104)**Dg:** 03AB *Cystopt***Plagiothecium denticulatum** (314)**Dg:** 03CD *Hyp-Pol***Plagiothecium laetum** (453)**Dg:** 39 VP, 39BB *Chr-Pic*
C: 39BB *Chr-Pic***Plagiothecium undulatum** (134)**Dg:** 39 VP, 39BC *Ath-Pic*

⁸ Till now frequently used name for this hybrid was *Pinus × rhaetica* Brügger.

Plantago arenaria (78)**Dg:** 09 *FV*, 14 *KC*, 33EB *Sal rut***C:** 33EB *Sal rut***Dm:** 33EB *Sal rut****Plantago lanceolata*** (5935)**Dg:** 17 *MA***C:** 02 *AV*, 02AA *Ono aca*, 02AB *Dau-Mel*, 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra*, 10CA *Koe-Phl*, 11CA *Fes pse*, 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BC *Molinio*, 17BD *Des cae*, 17EA *Pol-Tri*, 48AC *Eup-Cal*, 50 *FR****Plantago major*** (2428)**Dg:** 17DA *Pla-Pru*, 23 *PP***C:** 04 *BT*, 17CA *Pot ans*, 17DA *Pla-Pru*, 17EC *Alc-Poi*, 23 *PP*, 23AA *Mat-Pol*, 23AB *Sag pro*, 33AB *She arv*, 33BB *Spe-Oxa****Plantago maritima*** (198)**Dg:** 11 *FP*, 11AB *Hal-Tri*, 11BA *Puc lim***C:** 11 *FP*, 11AB *Hal-Tri*, 11BA *Puc lim*, 11CA *Fes pse***Dm:** 11AA *Jun ger*, 11AB *Hal-Tri****Plantago media*** (3315)**Dg:** 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra***C:** 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra*, 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri****Plantago tenuiflora*** (39)**Dg:** 11BA *Puc lim*, 35 *TS*, 35AB *The-Cam***Dm:** 11BA *Puc lim****Plantago uliginosa*** (197)**Dg:** 11AC *Bec eru*, 12 *IN*, 12AA *Nan fla***C:** 11AC *Bec eru*, 12 *IN***Dm:** 33AB *She arv****Platanthera bifolia*** (781)**Dg:** 08 *EP****Pleurospermum austriacum*** (134)**Dg:** 46 *BA****Pleurozium schreberi*** (2129)**Dg:** 48AD *Gen-Vac***C:** 18 *MB*, 18AA *Eri-Bet*, 26 *QR*, 26BA *Pin-Que*, 39 *VP*, 39CA *Dic-Pin*, 44 *RP*, 44AA *Pin mug*, 45 *LV*, 45AB *Vac myr*, 48AD *Gen-Vac*, 49 *VU***Dm:** 26 *QR*, 26BA *Pin-Que*, 45AB *Vac myr*, 48AD *Gen-Vac****Poa alpina*** (1528)**Dg:** 17EB *Poi alp*, 19AC *Phi ser*, 30BA *Ara cae*,36BA *And alp***C:** 06AC *Ses tat*, 17EB *Poi alp*, 19AC *Phi ser*, 30BA *Ara cae*, 36AA *Pap tat*, 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely***Dm:** 17EB *Poi alp****Poa annua*** agg.⁹ (1346)**Dg:** 17DA *Pla-Pru*, 17EC *Alc-Poi*, 23 *PP*, 23AA *Mat-Pol*, 23AB *Sag pro***C:** 17DA *Pla-Pru*, 17EC *Alc-Poi*, 23 *PP*, 23AA *Mat-Pol*, 23AB *Sag pro***Dm:** 17EC *Alc-Poi*, 23 *PP*, 23AA *Mat-Pol****Poa badensis*** (274)**Dg:** 10 *FB*, 10AC *Bro-Fes****Poa bulbosa*** (199)**Dm:** 34AA *The-Air*, 34BA *Ara tha****Poa compressa*** (649)**Dm:** 02BA *Con-Agr****Poa chaixii*** (871)**Dg:** 47 *NS****Poa laxa*** (249)**Dg:** 36BA *And alp***C:** 36BA *And alp****Poa margilicola*** (13)**Dg:** 03AA *Pot cau****Poa nemoralis*** (3217)**Dg:** 25 *PU***C:** 02AC *Ery-Hac*, 03CD *Hyp-Pol*, 25 *PU*, 25AA *Cyt-Pin*, 26 *QR*, 26AA *Gen-Que*, 27 *QF*, 27AB *Que-cer*, 27AC *Ace-Que*, 27AD *Que pet*, 27BB *Car bet*, 28AB *Cor-Pop*, 36CC *Ara alp*, 46 *BA*, 46AA *Sal sil*, 50 *FR***Dm:** 25 *PU*, 25AA *Cyt-Pin*, 27AB *Que-cer*, 27BB *Car bet****Poa palustris*** (1271)**Dg:** 17BF *Ver-Lys*, 22BB *Pha aru*, 31 *SP***C:** 17BF *Ver-Lys*, 22BB *Pha aru*, 31 *SP****Poa pratensis*** agg. (5972)**C:** 02AA *Ono aca*, 10BA *Bro ere*, 10BB *Cir-Bra*, 10CA *Koe-Phl*, 17 *MA*, 17AA *Arh ela*, 17BB *Alo pra*, 17BC *Molinio*, 17BD *Des cae*, 17BE *Cni ven*,⁹ Except the alliance *Alchemillo-Poion supinae* species *Poa annua* L. prevails.

27AB *Que-cer*, 37 *TG*, 43AD *Car-Urt*

Dm: 17BE *Cni ven*

Poa sejuncta (13)

Dg: 03AA *Pot cau*

Poa stiriaca (398)

Dg: 39BD *Abi alb*

Poa trivialis (3404)

C: 17BA *Cal pal*, 20EA *Pet off*, 31AA *Sal inc*, 43 *GU*, 43AC *Aeg pod*, 43AD *Car-Urt*

Podospermum canum (94)

Dg: 11 *FP*, 11BA *Puc lim*, 11CA *Fes pse*
C: 11CA *Fes pse*

Pogonatum urnigerum (309)

Dg: 36BA *And alp*, 42 *CK*, 42AB *Fes ver*

Pohlia cruda (200)

Dg: 36BA *And alp*, 42 *CK*

Pohlia drummondii (223)

Dg: 30 *SH*, 30AA *Sal her*
C: 30AA *Sal her*
Dm: 30AA *Sal her*

Pohlia nutans (201)

Dg: 39CA *Dic-Pin*

Pohlia wahlenbergii (89)

Dg: 19 *MC*, 19AC *Phi ser*
C: 19AC *Phi ser*
Dm: 19AC *Phi ser*

Polyblastia alpina (11)

Dg: 36BA *And alp*

Polygala amara (1098)

Dg: 08 *EP*, 08AA *Pul-Pin*
C: 06 *ES*, 08 *EP*, 08AA *Pul-Pin*

Polygala comosa (329)

Dg: 10BA *Bro ere*

Polygala major (240)

Dg: 10BA *Bro ere*

Polygala vulgaris (1436)

Dg: 47AC *Vio can*
C: 47AC *Vio can*

Polygonatum latifolium (124)

Dg: 27AC *Ace-Que*

Polygonatum odoratum (1116)

Dg: 08 *EP*

C: 08 *EP*, 08AA *Pul-Pin*, 27AC *Ace-Que*

Polygonatum verticillatum (1857)

Dg: 39 *VP*, 39BB *Chr-Pic*, 46 *BA*

C: 39 *VP*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BD *Abi alb*, 46 *BA*, 46AA *Sal sil*

Polygonum arenarium (6)

Dg: 14BA *Koe are*

Polygonum aviculare agg.¹⁰ (1771)

Dg: 23 *PP*, 23AA *Mat-Pol*, 33AB *She arv*

C: 23 *PP*, 23AA *Mat-Pol*, 33 *SM*, 33AA *Cau lap*, 33AB *She arv*, 33BA *Scl ann*, 33DC *Mal neg*

Dm: 23 *PP*, 23AA *Mat-Pol*

Polypodium vulgare (548)

Dg: 03 *AT*, 03CD *Hyp-Pol*

C: 03CD *Hyp-Pol*

Dm: 03 *AT*, 03AB *Cystopt*, 03CD *Hyp-Pol*

Polystichum aculeatum (326)

Dg: 27BC *Til-Ace*

Polytrichum alpinum (913)

Dg: 13 *CC*, 36BA *And alp*, 42 *CK*

C: 13 *CC*, 36BA *And alp*, 42 *CK*, 42AB *Fes ver*

Polytrichum commune (697)

Dg: 18 *MB*, 18AA *Eri-Bet*, 32CD *Sph-Car*, 40 *OS*, 40AB *Sph med*

C: 18 *MB*, 18AA *Eri-Bet*, 32CD *Sph-Car*, 40 *OS*, 40AB *Sph med*, 49 *VU*

Dm: 40 *OS*, 40AB *Sph med*, 49 *VU*, 49AB *Eri-Pic*

Polytrichum formosum agg. (1255)

Dg: 39 *VP*, 39CA *Dic-Pin*

C: 39 *VP*, 39AA *Pic exc*, 39BC *Ath-Pic*, 39CA *Dic-Pin*

Dm: 03CD *Hyp-Pol*

Polytrichum piliferum (758)

Dg: 48 *CU*, 48AA *Gen pil*

C: 13 *CC*, 37BB *Teu sco*, 48 *CU*, 48AA *Gen pil*

Dm: 03CB *Asp sep*, 34 *SS*, 34AA *The-Air*, 34BA *Ara tha*

Polytrichum sexangulare (371)

Dg: 30 *SH*, 30AA *Sal her*

¹⁰ *Polygonum arenastrum* Bureau extremely prevails.

C: 30 SH, 30AA *Sal her*

Dm: 30 SH, 30AA *Sal her*

Polytrichum strictum (540)

Dg: 49 VU, 49AB *Eri-Pic*

C: 18 MB, 40 OS, 49 VU, 49AB *Eri-Pic*

Populus alba (265)

Dg: 31 SP, 31AC *Sal alb*

Dm: 31 SP, 31AC *Sal alb*

Populus nigra (273)

Dg: 31 SP

Dm: 31 SP, 31AC *Sal alb*

Populus tremula (428)

Dg: 39CA *Dic-Pin*

Populus × canadensis (50)

Dg: 31 SP, 31AC *Sal alb*

Dm: 31AC *Sal alb*

Porella platyphylla (55)

Dg: 03AB *Cystopt*

Portulaca oleracea (127)

Dg: 33EA *Eragros*

Dm: 33EC *Era-Pol*

Potamogeton crispus (77)

Dg: 24 PO, 24AB *Pot luc*

Dm: 24 PO, 24AB *Pot luc*

Potamogeton gramineus (15)

Dg: 24BB *Ran aqu*

Dm: 24BB *Ran aqu*

Potamogeton lucens (102)

Dg: 24 PO, 24AB *Pot luc*

Dm: 16 IL, 16BB *Sph-Utr*, 24 PO, 24AB

Pot luc

Potamogeton natans (95)

Dg: 16 IL, 16BB *Sph-Utr*

C: 16 IL, 16BB *Sph-Utr*

Dm: 24 PO, 24AA *Nym alb*

Potamogeton nodosus (44)

Dg: 24 PO, 24BA *Ran flu*

C: 24BA *Ran flu*

Dm: 24 PO, 24BA *Ran flu*

Potamogeton pectinatus (103)

Dg: 24 PO, 24AC *Pot pus*, 41 CF

C: 24AC *Pot pus*

Dm: 24 PO, 24AB *Pot luc*, 24AC *Pot pus*

Potamogeton perfoliatus (48)

Dg: 24 PO, 24AB *Pot luc*

Dm: 24 PO, 24AB *Pot luc*

Potamogeton pusillus agg. (76)

Dg: 24AC *Pot pus*, 41 CF, 41BA *Cha fra*

C: 24AC *Pot pus*, 41 CF

Dm: 24 PO, 24AC *Pot pus*

Potentilla acaulis (1157)

Dg: 10 FB, 10AA *Fes val*, 10AB *Asp-Fes*, 10AC

Bro-Fes

C: 10 FB, 10AA *Fes val*, 10AB *Asp-Fes*, 10AC

Bro-Fes

Potentilla alba (169)

Dg: 27AD *Que pet*

Potentilla anserina (1669)

C: 11 FP, 11AA *Jun ger*, 11AC *Bec eru*, 17CA *Pot ans*

Dm: 11AA *Jun ger*, 17CA *Pot ans*

Potentilla argentea agg.¹¹ (796)

Dg: 10CA *Koe-Phl*

C: 02AA *Ono aca*, 10AB *Asp-Fes*, 10CA *Koe-Phl*,

34AA *The-Air*

Potentilla aurea (2700)

Dg: 17EB *Poi alp*, 47 NS

C: 06AC *Ses tat*, 13 CC, 17EB *Poi alp*, 20 MU,

20CA *Cal vil*, 20CB *Tri fus*, 20CE *Fes car*, 30 SH,

30AB *Fes pic*, 47 NS, 47AA *Nardion*, 47AB *Nar-*

Agr

Potentilla crantzii (195)

Dg: 42 CK

Potentilla erecta (5068)

Dg: 18 MB, 32 SC

C: 16BA *Sco-Utr*, 17 MA, 17AB *Cyn cri*, 17BA *Cal*

pal, 17BC *Molinio*, 18 MB, 18AA *Eri-Bet*, 19BB

Lyc-Cra, 32 SC, 32AB *Car dav*, 32AG *Sph-Tom*,

32CA *Car fus*, 32CB *Car las*, 32CC *Dre exa*, 32CD

Sph-Car, 47 NS, 47AB *Nar-Agr*, 47AC *Vio can*,

48AC *Eup-Cal*, 50 FR, 50AB *Uli-Sar*

Potentilla heptaphylla (1453)

Dg: 10 FB, 10AF *Dia-Ses*

C: 10 FB, 10AF *Dia-Ses*, 10BB *Cir-Bra*

¹¹ *Potentilla argentea* L. extremely prevails

Potentilla palustris (119)**Dg:** 18 MB**C:** 18 MB**Potentilla recta** (124)**Dg:** 48AC Eup-Cal**Potentilla reptans** (1402)**Dg:** 17BE Cni ven**C:** 17BE Cni ven**Dm:** 17CA Pot ans**Potentilla supina** (167)**Dg:** 12 IN, 12AD Ela-Ele**Potentilla tabernaemontani** (78)**Dg:** 09 FV, 09AA Fes vag**C:** 09 FV, 09AA Fes vag**Prenanthes purpurea** (1950)**Dg:** 39 VP, 39BB Chr-Pic, 39BD Abi alb**C:** 27BD Fagion, 39 VP, 39BA Oxa-Pic, 39BB Chr-Pic, 39BC Ath-Pic, 39BD Abi alb**Primula acaulis** → **Primula vulgaris****Primula auricula** (927)**Dg:** 03 AT, 03AA Pot cau, 06 ES, 06AB Ast-Ses, 08 EP, 08AA Pul-Pin**C:** 03 AT, 03AA Pot cau, 06 ES, 06AA Car fir, 06AB Ast-Ses, 08 EP, 08AA Pul-Pin**Primula elatior** (2981)**Dg:** 46 BA**C:** 06AC Ses tat, 17EA Pol-Tri, 17EB Poi alp, 20 MU, 20CE Fes car, 46 BA, 46AA Sal sil**Primula farinosa** (638)**Dg:** 11AB Hal-Tri, 32 SC, 32AB Car dav**C:** 11AB Hal-Tri**Primula minima** (960)**Dg:** 13 CC, 42 CK, 42AA Oxy-Ely, 42AB Fes ver**C:** 13 CC, 36BA And alp, 42 CK, 42AA Oxy-Ely, 42AB Fes ver**Primula veris** (1307)**Dg:** 10BA Bro ere, 10BB Cir-Bra**C:** 10BA Bro ere, 10BB Cir-Bra**Primula vulgaris** (161)**Dg:** 10BA Bro ere**Pritzelago alpina** (126)**Dg:** 30BA Ara cae, 36AA Pap tat**C:** 30BA Ara cae**Prunella vulgaris** (4100)**Dg:** 50 FR**C:** 17 MA, 17AB Cyn cri, 17BC Molinio, 17DA Pla-Pru, 32 SC, 32AB Car dav, 50 FR, 50AB Uli-Sar**Dm:** 17DA Pla-Pru**Prunus × eminens** (2)**Dm:** 28AC Pru fru**Prunus fruticosa** (65)**Dm:** 28AC Pru fru**Prunus mahaleb** (193)**Dg:** 28AC Pru fru**Prunus spinosa** (920)**Dg:** 28 RH, 28AA Ber vul**C:** 25 PU, 27AB Que-cer, 27AC Ace-Que, 28 RH, 28AA Ber vul, 50 FR**Dm:** 28 RH, 28AA Ber vul**Pseudevernia furfuracea** (60)**Dg:** 39CA Dic-Pin**Pseudobryum cinclidioides** (4)**Dg:** 32AG Sph-Tom**Dm:** 32AG Sph-Tom**Pseudognaphalium luteoalbum** (7)**Dg:** 12AB Rad lin**Pseudoleskea incurvata** (42)**Dm:** 20DA Adenost**Pseudolysimachion maritimum** (150)**Dg:** 17BE Cni ven**Pseudoscleropodium purum** (102)**Dg:** 26BA Pin-Que**Dm:** 26BA Pin-Que**Pteridium aquilinum** (117)**Dm:** 37AB Tri med**Ptilidium ciliare** (211)**Dg:** 39CA Dic-Pin, 42AA Oxy-Ely**C:** 39CA Dic-Pin**Ptilidium pulcherrimum** (90)**Dg:** 44 RP**Puccinellia distans agg.** (234)**Dg:** 11 FP, 11BA Puc lim, 35 TS, 35AB The-Cam**C:** 11 FP, 11BA Puc lim, 35 TS, 35AB The-Cam**Dm:** 04 BT, 04AB Che gla, 11 FP, 11BA Puc lim

Pulegium vulgare (214)**Dg:** 11 *FP*, 11AC *Bec eru***C:** 11AC *Bec eru****Pulicaria vulgaris*** (66)**Dm:** 12AD *Ela-Ele****Pulmonaria mollis*** (282)**Dg:** 27AD *Que pet****Pulmonaria officinalis*** agg. (2562)**Dg:** 27 *QF***C:** 27 *QF*, 27AC *Ace-Que*, 27BB *Car bet*, 27BC *Til-Ace*, 28AB *Cor-Pop****Pulsatilla pratensis*** agg. (28)**Dg:** 10CA *Koe-Phl****Pulsatilla scherfelii*** (929)**Dg:** 13 *CC*, 42 *CK*, 42AB *Fes ver*, 45AA *Loi-Vac***C:** 13 *CC*, 42 *CK*, 42AB *Fes ver****Pulsatilla slavica*** (747)**Dg:** 06AB *Ast-Ses*, 08 *EP*, 08AA *Pul-Pin***C:** 08 *EP*, 08AA *Pul-Pin****Pycnothelia papillaria*** (19)**Dg:** 39CA *Dic-Pin****Pycnus flavescens* → *Cyperus flavescens******Pyrethrum corymbosum* → *Tanacetum corymbosum******Pyrola carpatica*** (90)**Dg:** 42 *CK*, 42AA *Oxy-Ely****Pyrola rotundifolia*** (104)**Dg:** 18 *MB****Pyrus communis*** agg. (529)**Dg:** 27AB *Que-cer****Quercus cerris*** (629)**Dg:** 27AB *Que-cer*, 27AC *Ace-Que***C:** 27AB *Que-cer***Dm:** 27AA *Que pub*, 27AB *Que-cer*, 27AC *Ace-Que*, 27BB *Car bet****Quercus petraea*** agg. (2538)**Dg:** 25 *PU*, 25AA *Cyt-Pin*, 26 *QR*, 26AA *Gen-Que*, 27AB *Que-cer*, 27AD *Que pet*, 27BB *Car bet***C:** 25 *PU*, 25AA *Cyt-Pin*, 26 *QR*, 26AA *Gen-Que*, 26BA *Pin-Que*, 27 *QF*, 27AB *Que-cer*, 27AD *Que pet*, 27BB *Car bet*, 27BE *Luz-Fag*, 37BB *Teu sco*,50 *FR***Dm:** 25 *PU*, 25AA *Cyt-Pin*, 26 *QR*, 26AA *Gen-Que*, 27 *QF*, 27AA *Que pub*, 27AB *Que-cer*, 27AD *Que pet*, 27BB *Car bet*, 27BE *Luz-Fag****Quercus pubescens*** agg. (474)**Dg:** 27AA *Que pub***C:** 27AA *Que pub***Dm:** 26 *QR*, 26AA *Gen-Que*, 27AA *Que pub****Quercus robur*** agg. (641)**Dg:** 27AC *Ace-Que***C:** 27AC *Ace-Que***Dm:** 27AB *Que-cer*, 27AC *Ace-Que*, 27AD *Que pet*, 27BA *Aln inc****Racomitrium canescens*** (203)**Dg:** 03CB *Asp sep*, 34BA *Ara tha****Racomitrium fasciculare*** (21)**Dg:** 19AC *Phi ser****Racomitrium lanuginosum*** (284)**Dg:** 42 *CK****Racomitrium microcarpon*** (42)**Dg:** 19AC *Phi ser****Racomitrium sudeticum*** (112)**Dg:** 30AA *Sal her****Radiola linoides*** (21)**Dg:** 12 *IN*, 12AB *Rad lin***C:** 12AB *Rad lin****Ranunculus acris*** (6665)**Dg:** 17 *MA*, 32 *SC***C:** 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BA *Cal pal*, 17BB *Alo pra*, 17BC *Molinio*, 17BD *Des cae*, 17BE *Cni ven*, 17EA *Pol-Tri*, 17EC *Alc-Poi*, 32 *SC*, 32AB *Car dav*, 32CA *Car fus*, 47AC *Vio can****Ranunculus alpestris*** (578)**Dg:** 06 *ES*, 06AA *Car fir*, 30BA *Ara cae***C:** 06AA *Car fir*, 30BA *Ara cae*, 42AA *Oxy-Ely****Ranunculus aquatilis*** (50)**Dm:** 24BB *Ran aqu****Ranunculus auricomus*** agg. (2133)**C:** 17BE *Cni ven****Ranunculus baudotii*** (16)**Dg:** 12AD *Ela-Ele*

Ranunculus breyninus (896)

Dg: 06 ES, 42 CK, 42AA Oxy-Ely
C: 06 ES, 06AC Ses tat, 36AA Pap tat, 42 CK, 42AA Oxy-Ely

Ranunculus bulbosus (962)

Dg: 10BA Bro ere

Ranunculus circinatus (115)

Dg: 24 PO, 24BB Ran aqu
Dm: 24 PO, 24BB Ran aqu

Ranunculus glacialis (75)

Dg: 36BA And alp
C: 36BA And alp

Ranunculus lateriflorus (18)

Dg: 11AC Bec eru
C: 11AC Bec eru
Dm: 12AD Ela-Ele

Ranunculus nemorosus (814)

Dg: 20CC Cal aru, 46 BA, 46AA Sal sil
C: 20CC Cal aru, 46 BA, 46AA Sal sil

Ranunculus pedatus (18)

Dg: 11CA Fes pse

Ranunculus polyanthemus (1436)

C: 10BB Cir-Bra

Ranunculus pseudomontanus (1284)

Dg: 30 SH, 30AB Fes pic
C: 30 SH, 30AB Fes pic, 36BA And alp

Ranunculus pygmaeus (8)

Dg: 36BA And alp

Ranunculus repens (5221)

C: 01 AG, 01BA Aln glu, 04 BT, 04AA Bid tri, 11AA Jun ger, 11AC Bec eru, 17 MA, 17BA Cal pal, 17BB Alo pra, 17BD Des cae, 17BE Cni ven, 17CA Pot ans, 17CD Jun eff, 17DA Pla-Pru, 17EC Alc-Poi, 19BC Car rem, 20EA Pet off, 22 PM, 22BB Pha aru, 31 SP, 31AA Sal inc, 31AB Sal tri, 31AC Sal alb, 33AB She arv, 43 GU, 43AC Aeg pod, 43AD Car-Urt, 43AE Rum alp
Dm: 17CA Pot ans, 17DA Pla-Pru, 43AD Car-Urt

Ranunculus sardous (88)

Dg: 11AC Bec eru, 12 IN, 12AA Nan fla
C: 11AC Bec eru, 12AA Nan fla
Dm: 12 IN, 12AA Nan fla

Ranunculus sceleratus (203)

Dg: 12 IN, 12AD Ela-Ele

Ranunculus trichophyllus (31)

Dg: 41 CF, 41BA Cha fra
Dm: 24BB Ran aqu

Raphanus raphanistrum (530)

Dg: 33 SM, 33AB She arv, 33BA Scl ann
C: 33AB She arv, 33BA Scl ann
Dm: 33AB She arv

Reseda lutea (405)

Dg: 02 AV

Rhamnus catharticus (336)

Dg: 28 RH

Rhinanthus minor (2625)

Dg: 17 MA
C: 17 MA, 17AA Arh ela

Rhizomnium punctatum agg. (626)

Dg: 19 MC

Rhodax alpestris → **Helianthemum alpestre****Rhodiola rosea** (972)

Dg: 30BA Ara cae, 36AA Pap tat, 42 CK
C: 20CB Tri fus, 30BA Ara cae, 36AA Pap tat, 36BA And alp, 42 CK, 42AA Oxy-Ely, 42AB Fes ver
Dm: 20CB Tri fus

Rhododendron tomentosum (49)

Dg: 40 OS, 40AA Oxy-Emp, 40AB Sph med

Rhynchospora alba (31)

Dg: 32BB Rhy alb
C: 32BB Rhy alb
Dm: 32BB Rhy alb

Rhytidiadelphus squarrosus (912)

Dg: 48AD Gen-Vac
C: 48AD Gen-Vac

Rhytidiadelphus triquetrus (1073)

Dg: 08 EP
C: 08 EP, 42AA Oxy-Ely

Rhytidium rugosum (731)

Dg: 08 EP, 08AA Pul-Pin, 42AA Oxy-Ely
C: 08 EP, 08AA Pul-Pin, 42 CK, 42AA Oxy-Ely

Riccia cavernosa (6)

Dg: 12AA Nan fla

Riccia ciliata (27)**Dg:** 10AB *Asp-Fes****Riccia fluitans*** (61)**Dg:** 15 *LE*, 15BA *Utr vul***Dm:** 15 *LE*, 15AA *Lem min****Robinia pseudoacacia*** (471)**Dg:** 29 *RO*, 29AA *Che-Rob*, 29AB *Bal-Rob***C:** 29 *RO*, 29AA *Che-Rob*, 29AB *Bal-Rob***Dm:** 29 *RO*, 29AA *Che-Rob*, 29AB *Bal-Rob****Roegneria canina*** (613)**Dg:** 31AA *Sal inc***C:** 31AA *Sal inc****Rorippa amphibia*** (644)**Dg:** 22CA *Oen aqu***C:** 22CA *Oen aqu***Dm:** 22CA *Oen aqu****Rorippa palustris*** (66)**Dg:** 12AA *Nan fla****Rorippa sylvestris*** (698)**Dg:** 12 *IN***C:** 17CA *Pot ans****Rosa canina*** agg.¹² (1592)**Dg:** 25 *PU*, 28 *RH*, 28AA *Ber vul*, 50 *FR*, 50AB *Uli-Sar***C:** 25 *PU*, 25AA *Cyt-Pin*, 27AD *Que pet*, 28 *RH*, 28AA *Ber vul*, 37BB *Teu sco*, 50 *FR*, 50AB *Uli-Sar****Rosa gallica*** (112)**Dm:** 37AA *Ger san****Rosa glauca*** (50)**Dg:** 28 *RH*, 28AB *Cor-Pop****Rosa pendulina*** (746)**Dg:** 46 *BA*, 46AA *Sal sil***C:** 46 *BA*, 46AA *Sal sil****Rosa spinosissima*** (103)**Dg:** 28AC *Pru fru****Rosa tomentosa*** (21)**Dg:** 28AC *Pru fru****Rubus caesius*** (1536)**Dg:** 31 *SP*, 31AB *Sal tri*, 31AC *Sal alb***C:** 01 *AG*, 27BA *Aln inc*, 31 *SP*, 31AB *Sal tri*, 31AC *Sal alb*, 43BA *Sen flu***Dm:** 01AA *Sal cin*, 31 *SP*, 31AB *Sal tri*, 31AC *Sal alb*, 43BA *Sen flu****Rubus fruticosus*** agg. (959)**C:** 29 *RO*, 37BB *Teu sco*, 50 *FR***Dm:** 07 *EA*, 07AA *Atropio****Rubus hirtus*** (899)**Dg:** 07 *EA*, 28BA *Sam-Sal***C:** 28BA *Sam-Sal****Rubus idaeus*** (3414)**Dg:** 07 *EA*, 39 *VP***C:** 07 *EA*, 07AA *Atropio*, 07AC *Car-Epi*, 25 *PU*, 28BA *Sam-Sal*, 39 *VP*, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 39BD *Abi alb*, 43AE *Rum alp*, 44 *RP*, 46 *BA*, 46AA *Sal sil***Dm:** 07 *EA*, 07AC *Car-Epi*, 25 *PU*, 25AA *Cyt-Pin*, 28BA *Sam-Sal*, 39BD *Abi alb****Rubus saxatilis*** (653)**Dg:** 08 *EP*, 08AA *Pul-Pin*, 20CD *Cal var*, 46 *BA***C:** 08 *EP*, 08AA *Pul-Pin*, 20CD *Cal var*, 46 *BA****Rumex acetosa*** (5055)**Dg:** 17 *MA***C:** 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BA *Cal pal*, 17BB *Alo pra*, 17EA *Pol-Tri*, 37BB *Teu sco****Rumex acetosella*** (848)**Dg:** 48 *CU*, 50 *FR*, 50AB *Uli-Sar***C:** 03CB *Asp sep*, 09 *FV*, 10CA *Koe-Phl*, 14 *KC*, 33AB *She arv*, 34AA *The-Air*, 36DA *Gal seg*, 48 *CU*, 48AA *Gen pil*, 50 *FR*, 50AB *Uli-Sar***Dm:** 33AB *She arv****Rumex alpestris*****Dg:** 20 *MU*, 20DA *Adenost***C:** 20 *MU*, 20CC *Cal aru*, 20DA *Adenost*, 39BC *Ath-Pic*, 43AE *Rum alp****Rumex alpinus*** (335)**Dg:** 43AE *Rum alp***C:** 43AE *Rum alp***Dm:** 20 *MU*, 20EA *Pet off*, 43 *GU*, 43AE *Rum alp****Rumex aquaticus*** (135)**Dg:** 22BB *Pha aru****Rumex crispus*** (1439)**C:** 17BE *Cni ven*, 17CA *Pot ans***Dm:** 33AB *She arv*¹² *Rosa canina* L. extremely prevails.

Rumex maritimus (300)**Dg:** 04 BT**Dm:** 04AA Bid tri**Rumex obtusifolius** (1454)**Dg:** 43AD Car-Urt**C:** 43AC Aeg pod, 43AD Car-Urt**Dm:** 02AD Arc lap, 43 GU, 43AC Aeg pod, 43AD Car-Urt**Rumex scutatus** (114)**Dg:** 36 TR, 36AA Pap tat**C:** 36AA Pap tat**Dm:** 36AA Pap tat**Sagina apetala** (5)**Dg:** 17DA Pla-Pru**Sagina procumbens** (133)**Dg:** 12AB Rad lin, 23AB Sag pro**C:** 12AB Rad lin**Dm:** 23AB Sag pro**Sagittaria sagittifolia** (113)**Dm:** 22CA Oen aqu**Salix alba** (264)**Dg:** 31 SP, 31AC Sal alb**C:** 31 SP, 31AC Sal alb**Dm:** 31 SP, 31AC Sal alb**Salix alpina** (304)**Dg:** 06 ES, 06AA Car fir**C:** 06AA Car fir**Salix aurita** (211)**Dg:** 18 MB, 18AA Eri-Bet**C:** 18 MB, 18AA Eri-Bet**Salix caprea** (681)**Dg:** 07 EA, 28BA Sam-Sal**C:** 07 EA, 07AA Atropio, 07AC Car-Epi, 28BA Sam-Sal**Dm:** 28BA Sam-Sal**Salix cinerea** (753)**Dg:** 01 AG, 01AA Sal cin, 18 MB**C:** 01 AG, 01AA Sal cin, 18 MB**Dm:** 01 AG, 01AA Sal cin**Salix elaeagnos** (49)**Dg:** 31AA Sal inc**Dm:** 31 SP, 31AA Sal inc**Salix fragilis** (385)**Dg:** 31 SP, 31AA Sal inc, 31AB Sal tri, 31AC Sal alb**C:** 31 SP, 31AA Sal inc, 31AB Sal tri**Dm:** 31 SP, 31AC Sal alb**Salix helvetica** (96)**Dg:** 20CB Tri fus**Dm:** 20 MU, 20CA Cal vil, 20CB Tri fus**Salix herbacea** (532)**Dg:** 30 SH, 30AA Sal her**C:** 30 SH, 30AA Sal her**Dm:** 13 CC, 13AA Jun tri, 30 SH, 30AA Sal her**Salix pentandra** (321)**Dg:** 18 MB**Salix purpurea** (381)**Dg:** 31 SP, 31AA Sal inc**C:** 31AA Sal inc**Dm:** 01AA Sal cin, 31 SP, 31AA Sal inc**Salix reticulata** (328)**Dg:** 30BA Ara cae, 42 CK, 42AA Oxy-Ely**C:** 30BA Ara cae, 42AA Oxy-Ely**Dm:** 30BA Ara cae**Salix retusa** agg. (486)**Dg:** 42 CK, 42AB Fes ver**C:** 42 CK, 42AB Fes ver**Dm:** 30BA Ara cae, 42 CK, 42AB Fes ver**Salix rosmarinifolia** agg. (304)**Dg:** 17BC Molinio**Salix silesiaca** (721)**Dg:** 46 BA, 46AA Sal sil**C:** 46 BA, 46AA Sal sil**Dm:** 46 BA, 46AA Sal sil**Salix triandra** (102)**Dg:** 31 SP, 31AB Sal tri**C:** 31AB Sal tri**Dm:** 31 SP, 31AB Sal tri**Salix viminalis** (35)**Dg:** 31AB Sal tri**Salsola kali** (64)**Dg:** 33EB Sal rut**Dm:** 33EB Sal rut**Salvia glutinosa** (887)**Dg:** 07 EA, 07AA Atropio

C: 07AA *Atropio*
Dm: 43AB *Imp-Sta*

Salvia nemorosa (145)
Dg: 02AA *Ono aca*

Salvia pratensis (2193)
Dg: 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra*, 37 *TG*
 C: 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra*, 37 *TG*,
 37AA *Ger san*

Salvia verticillata (650)
Dg: 10BA *Bro ere*

Salvinia natans (136)
Dg: 15 *LE*, 15CA *Hyd mor*
Dm: 15 *LE*, 15AA *Lem sin*

Sambucus ebulus (322)
Dg: 43AA *Gal-All*
Dm: 07AA *Atropio*, 43 *GU*, 43AA *Gal-All*

Sambucus nigra (1186)
Dg: 28BB *Arc-Sam*, 29 *RO*, 29AA *Che-Rob*, 29AB
Bal-Rob
 C: 28BB *Arc-Sam*, 29 *RO*, 29AA *Che-Rob*, 29AB
Bal-Rob
Dm: 28BB *Arc-Sam*, 29AA *Che-Rob*

Sambucus racemosa (471)
Dg: 28BA *Sam-Sal*
 C: 28BA *Sam-Sal*
Dm: 28BA *Sam-Sal*

Sanguisorba minor (2113)
Dg: 10 *FB*, 10AA *Fes val*, 10BA *Bro ere*
 C: 10 *FB*, 10AA *Fes val*, 10AC *Bro-Fes*, 10AF *Dia-*
Ses, 10BA *Bro ere*, 10BB *Cir-Bra*

Sanguisorba officinalis (1512)
Dg: 17BC *Molinio*
 C: 17BC *Molinio*

Sanionia uncinata (699)
Dg: 36BA *And alp*, 42 *CK*, 42AB *Fes ver*
 C: 36BA *And alp*, 42 *CK*, 42AB *Fes ver*

Saponaria officinalis (145)
Dm: 02BA *Con-Agr*

Sarothamnus scoparius → *Cytisus scoparius*

Saussurea alpina (74)
Dg: 42 *CK*, 42AA *Oxy-Ely*

Saussurea pygmaea (87)
Dg: 42 *CK*, 42AB *Fes ver*

Saxifraga aizoides (388)
Dg: 06AA *Car fir*, 30BA *Ara cae*, 42AA *Oxy-Ely*
 C: 06AA *Car fir*, 30BA *Ara cae*, 42AA *Oxy-Ely*

Saxifraga androsacea (205)
Dg: 30BA *Ara cae*, 36BA *And alp*, 42 *CK*
 C: 30BA *Ara cae*, 36BA *And alp*
Dm: 30BA *Ara cae*

Saxifraga bryoides (142)
Dg: 36BA *And alp*, 42 *CK*
 C: 36BA *And alp*

Saxifraga bulbifera (49)
Dg: 10CA *Koe-Phl*

Saxifraga caesia (239)
Dg: 06 *ES*, 06AA *Car fir*
 C: 06AA *Car fir*

Saxifraga carpathica (122)
Dg: 36 *TR*, 36BA *And alp*
 C: 36BA *And alp*

Saxifraga hieraciifolia (129)
Dg: 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*

Saxifraga moschata (481)
Dg: 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*, 42AB
Fes ver
 C: 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*, 42AB
Fes ver

Saxifraga oppositifolia (169)
Dg: 36BA *And alp*, 42 *CK*

Saxifraga paniculata (1244)
Dg: 06 *ES*, 42 *CK*, 42AA *Oxy-Ely*
 C: 03AA *Pot cau*, 06 *ES*, 06AA *Car fir*, 08 *EP*, 42
CK, 42AA *Oxy-Ely*, 42AB *Fes ver*, 46 *BA*

Saxifraga retusa (48)
Dg: 42 *CK*, 42AB *Fes ver*

Saxifraga rotundifolia (155)
Dg: 46 *BA*, 46AA *Sal sil*

Saxifraga wahlenbergii (232)
Dg: 30BA *Ara cae*, 42AA *Oxy-Ely*
 C: 30BA *Ara cae*, 42AA *Oxy-Ely*
Dm: 30BA *Ara cae*

Scabiosa lucida (1467)**Dg:** 06 ES, 06AC Ses tat, 08 EP**C:** 06 ES, 06AB Ast-Ses, 06AC Ses tat, 08 EP, 08AA Pul-Pin, 20CD Cal var*Scabiosa ochroleuca* (1082)**Dg:** 10 FB**C:** 10 FB*Scapania cuspiduligera* (14)**Dg:** 42AA Oxy-Ely*Scapania irrigua* (15)**Dm:** 19AC Phi ser*Scapania nemorea* (9)**Dg:** 03CD Hyp-Pol*Scapania paludicola* (2)**Dg:** 19AC Phi ser*Scapania undulata* (121)**Dg:** 19 MC, 19AA Cra-Cal, 19AC Phi ser**C:** 19AC Phi ser*Schistidium apocarpum* agg. (446)**Dg:** 08 EP, 08AA Pul-Pin**C:** 08 EP*Schoenoplectus lacustris* (176)**Dm:** 22AA Phr aus*Schoenoplectus tabernaemontani* (145)**Dg:** 11AB Hal-Tri, 22DA Cir-Bol**C:** 11AB Hal-Tri, 22DA Cir-Bol**Dm:** 11AB Hal-Tri, 22DA Cir-Bol*Schoenoplectus triqueter* (11)**Dm:** 22DA Cir-Bol*Schoenus ferrugineus* (67)**Dm:** 19BC Car rem*Scirpoides holoschoenus* (40)**Dg:** 09 FV**Dm:** 09 FV, 09AA Fes vag*Scirpus radicans* (19)**Dm:** 22CA Oen aqu*Scirpus sylvaticus* (1902)**Dg:** 17BA Cal pal**C:** 17BA Cal pal**Dm:** 17BA Cal pal*Scleranthus annuus* agg. (341)**Dg:** 33AB She arv**C:** 33AB She arv, 33BB Spe-Oxa**Dm:** 34BA Ara tha*Sclerochloa dura* (92)**Dg:** 23 PP, 23AA Mat-Pol**C:** 23 PP**Dm:** 23 PP, 23AA Mat-Pol*Scopolia carniolica* (37)**Dg:** 03CD Hyp-Pol*Scorpidium scorpioides* (29)**Dm:** 16 IL, 16BA Sco-Utr*Scorzonera parviflora* (28)**Dg:** 11AA Jun ger**Dm:** 11AA Jun ger*Scorsoneroides autumnalis* (1552)**Dg:** 11AC Bec eru, 50 FR**C:** 11AC Bec eru, 50 FR*Scorsoneroides pseudotaraxaci* (226)**Dg:** 30BA Ara cae, 42 CK**C:** 30BA Ara cae*Scrophularia nodosa* (1262)**Dg:** 07 EA**C:** 07 EA, 07AA Atropio*Scutellaria galericulata* (750)**Dg:** 01 AG, 17BF Ver-Lys**C:** 17BF Ver-Lys*Scutellaria hastifolia* (112)**Dg:** 17BE Cni ven*Securigera elegans* (33)**Dg:** 25 PU*Securigera varia* (1887)**C:** 10BA Bro ere, 27AA Que pub, 37 TG*Sedum acre* (431)**Dg:** 10AB Asp-Fes, 34 SS, 34CA Aly-Sed*Sedum album* (586)**Dg:** 34 SS, 34CA Aly-Sed**C:** 34 SS, 34CA Aly-Sed**Dm:** 34 SS, 34CA Aly-Sed

Sedum alpestre (439)**Dg:** 30 *SH*, 30AA *Sal her***C:** 30 *SH*, 30AA *Sal her****Sedum rupestre*** (3)**Dg:** 14BA *Koe are***Dm:** 14 *KC*, 14BA *Koe are****Sedum sexangulare*** (754)**Dg:** 09 *FV*, 34 *SS***C:** 09 *FV*, 34 *SS***Dm:** 34CA *Aly-Sed****Selaginella selaginoides*** (519)**Dg:** 06AA *Car fir*, 30BA *Ara cae***C:** 06AA *Car fir*, 30BA *Ara cae****Selinum carvifolia*** (353)**Dg:** 27AD *Que pet****Sempervivum carpaticum*** (240)**Dg:** 34BA *Ara tha***Dm:** 34BA *Ara tha****Senecio abrotanifolius*** (279)**Dg:** 13 *CC****Senecio nemorensis* agg.** (3999)**Dg:** 07 *EA*, 39 *VP*, 46 *BA***C:** 07 *EA*, 07AA *Atropio*, 07AC *Car-Epi*, 20 *MU*, 25 *PU*, 27 *QF*, 27BC *Til-Ace*, 27BD *Fagion*, 28BA *Sam-Sal*, 39 *VP*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 39BD *Abi alb*, 46 *BA*, 46AA *Sal sil***Dm:** 07 *EA*, 07AC *Car-Epi****Senecio sarracenicus*** (36)**Dm:** 43BA *Sen flu****Senecio subalpinus*** (928)**Dg:** 17EB *Poi alp***C:** 17EB *Poi alp*, 20CE *Fes car****Senecio sylvaticus*** (38)**Dg:** 50 *FR*, 50AB *Uli-Sar***C:** 50 *FR****Senecio viscosus*** (139)**Dg:** 33EB *Sal rut****Serratula tinctoria*** (576)**Dg:** 17BC *Molinio*, 17BE *Cni ven***C:** 17BC *Molinio*, 17BE *Cni ven***Dm:** 17BE *Cni ven****Seseli osseum*** (1413)**Dg:** 08 *EP*, 10AC *Bro-Fes***C:** 08 *EP*, 08AA *Pul-Pin*, 10 *FB*, 10AB *Asp-Fes*, 10AC *Bro-Fes*, 10AF *Dia-Ses*, 34 *SS*, 34BA *Ara tha****Sesleria albicans* → *Sesleria caerulea******Sesleria caerulea*** (2419)**Dg:** 06 *ES*, 06AB *Ast-Ses*, 08 *EP*, 08AA *Pul-Pin*, 10AF *Dia-Ses***C:** 03 *AT*, 03AA *Pot cau*, 03AB *Cystopt*, 06 *ES*, 06AB *Ast-Ses*, 08 *EP*, 08AA *Pul-Pin*, 10AF *Dia-Ses*, 20CD *Cal var***Dm:** 03 *AT*, 03AB *Cystopt*, 06AB *Ast-Ses*, 08 *EP*, 08AA *Pul-Pin*, 10 *FB*, 10AC *Bro-Fes*, 10AF *Dia-Ses*, 27AA *Que pub*, 39BB *Chr-Pic****Sesleria heufferiana*** (40)**Dg:** 28AC *Pru fru****Sesleria tatrae*** (721)**Dg:** 06AC *Ses tat*, 20CE *Fes car*, 36AA *Pap tat*, 42AA *Oxy-Ely*, 46 *BA***C:** 06AC *Ses tat*, 20CE *Fes car*, 30BA *Ara cae*, 36AA *Pap tat*, 42AA *Oxy-Ely*, 46 *BA*, 46AA *Sal sil***Dm:** 06AC *Ses tat****Setaria pumila*** (493)**Dg:** 33 *SM*, 33AB *She arv*, 33BB *Spe-Oxa*, 33BC *Pan-Set*, 33EA *Eragros***C:** 33AB *She arv*, 33BB *Spe-Oxa*, 33BC *Pan-Set*, 33EA *Eragros****Setaria viridis*** (360)**Dg:** 09 *FV***Dm:** 33BB *Spe-Oxa****Sherardia arvensis*** (106)**Dg:** 33AB *She arv***C:** 33AB *She arv****Silene acaulis*** (744)**Dg:** 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver***C:** 06AA *Car fir*, 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver***Dm:** 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver****Silene conica*** (8)**Dg:** 14BA *Koe are****Silene latifolia* **alba*** (1033)**Dg:** 02 *AV***C:** 02 *AV*

Silene noctiflora (116)**Dg:** 33AA *Cau lap***Dm:** 33AB *She arv***Silene otites** agg. (299)**Dg:** 09 *FV*, 09AA *Fes vag***C:** 09 *FV***Silene pusilla** (195)**Dg:** 19 *MC*, 19AA *Cra-Cal*, 19AE *Cra com***Silene vulgaris** (1327)**C:** 36AA *Pap tat*, 36DA *Gal seg***Dm:** 36AA *Pap tat***Sinapis arvensis** (478)**Dg:** 33 *SM*, 33AA *Cau lap***Sisymbrium austriacum** (21)**Dg:** 02AC *Ery-Hac***Sisymbrium loeselii** (150)**Dm:** 33DA *Sis off***Sisymbrium orientale** (64)**Dg:** 02AA *Ono aca***Sisymbrium strictissimum** (45)**Dm:** 43AC *Aeg pod***Solanum dulcamara** (688)**Dg:** 01 *AG*, 01AA *Sal cin*, 01BA *Aln glu*, 31 *SP*, 31AB *Sal tri***C:** 01 *AG*, 01AA *Sal cin*, 01BA *Aln glu*, 31 *SP*, 31AB *Sal tri***Soldanella carpatica** (2983)**Dg:** 42 *CK***C:** 06AA *Car fir*, 06AC *Ses tat*, 13 *CC*, 20 *MU*, 20CA *Cal vil*, 20CB *Tri fus*, 20CE *Fes car*, 20DA *Adenost*, 30 *SH*, 30AB *Fes pic*, 30BA *Ara cae*, 36BA *And alp*, 42 *CK*, 42AA *Oxy-Ely*, 42AB *Fes ver*, 46 *BA*, 47 *NS*, 47AA *Nardion***Soldanella hungarica** (649)**Dg:** 39 *VP*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 48AD *Gen-Vac***C:** 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 48AD *Gen-Vac***Solidago canadensis** (156)**Dm:** 27BA *Aln inc*, 43BA *Sen flu***Solidago gigantea** (459)**Dm:** 02AB *Dau-Mel*, 29AA *Che-Rob*, 43 *GU*, 43BA *Sen flu***Solidago virgaurea** (2613)**C:** 20CA *Cal vil*, 20CC *Cal aru*, 39 *VP*, 46 *BA*, 47 *NS***Solorina crocea** (124)**Dg:** 36BA *And alp***Solorina saccata** (151)**Dg:** 08 *EP*, 08AA *Pul-Pin***Sonchus arvensis** (521)**Dg:** 33 *SM*, 33AB *She arv***C:** 33AB *She arv***Sonchus asper** (179)**Dg:** 33AB *She arv***Sorbus aria** agg. (1426)**Dg:** 08 *EP*, 08AA *Pul-Pin*, 27AA *Que pub***C:** 08 *EP*, 08AA *Pul-Pin*, 27AA *Que pub***Sorbus aucuparia** (3175)**Dg:** 08 *EP*, 39 *VP*, 46 *BA***C:** 07 *EA*, 08 *EP*, 08AA *Pul-Pin*, 26 *QR*, 27BE *Luz-Fag*, 28BA *Sam-Sal*, 39 *VP*, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 39BD *Abi alb*, 39CA *Dic-Pin*, 44 *RP*, 44AA *Pin mug*, 46 *BA*, 46AA *Sal sil***Dm:** 39BB *Chr-Pic***Sorbus torminalis** (777)**Dg:** 25 *PU*, 27AA *Que pub*, 27AB *Que-cer***C:** 27AA *Que pub***Sparganium angustifolium** (5)**Dg:** 16 *IL*, 16AA *Lit uni***C:** 16AA *Lit uni***Dm:** 16 *IL*, 16AA *Lit uni***Sparganium emersum** (44)**Dg:** 24BA *Ran flu***Sparganium erectum** (383)**Dm:** 22 *PM*, 22AA *Phr aus***Sparganium natans** (15)**Dg:** 16 *IL*, 16BB *Sph-Utr***C:** 16 *IL*, 16BB *Sph-Utr***Dm:** 16 *IL*, 16BB *Sph-Utr***Spergula arvensis** (185)**Dg:** 33BA *Scl ann***Dm:** 33AB *She arv*

Spergularia rubra (57)**Dm:** 23AB *Sag pro****Spergularia salina*** (34)**Dg:** 11 *FP*, 11DA *Cyp-Spe***C:** 11DA *Cyp-Spe****Sphagnum capillifolium* agg.** (569)**Dg:** 40 *OS*, 40AA *Oxy-Emp*, 49 *VU*, 49AB *Eri-Pic***C:** 32BB *Rhy alb*, 40 *OS*, 40AA *Oxy-Emp*, 40AB *Sph med*, 49 *VU*, 49AB *Eri-Pic***Dm:** 32CD *Sph-Car*, 32BB *Rhy alb*, 40 *OS*, 40AA *Oxy-Emp*, 40AB *Sph med*, 45 *LV*, 45AB *Vac myr*, 47AA *Nardion*, 49 *VU*, 49AB *Eri-Pic****Sphagnum compactum*** (62)**Dg:** 40 *OS*, 40AA *Oxy-Emp***Dm:** 40 *OS*, 40AA *Oxy-Emp*, 40AB *Sph med****Sphagnum cuspidatum*** (51)**Dg:** 32BB *Rhy alb*, 32BE *Sph cus***Dm:** 32BB *Rhy alb*, 32BE *Sph cus****Sphagnum denticulatum*** (5)**Dg:** 32BB *Rhy alb****Sphagnum fuscum*** (89)**Dg:** 40 *OS*, 40AA *Oxy-Emp*, 49 *VU*, 49AB *Eri-Pic***C:** 40 *OS*, 40AA *Oxy-Emp*, 49 *VU***Dm:** 40 *OS*, 40AA *Oxy-Emp*, 49 *VU*, 49AB *Eri-Pic****Sphagnum girgensohnii*** (448)**Dm:** 40 *OS*, 40AA *Oxy-Emp*, 47AA *Nardion*, 49 *VU*, 49AB *Eri-Pic****Sphagnum magellanicum*** (170)**Dg:** 40 *OS*, 40AA *Oxy-Emp*, 49 *VU*, 49AB *Eri-Pic***C:** 18 *MB*, 40 *OS*, 49 *VU*, 49AB *Eri-Pic****Sphagnum palustre* agg.** (274)**Dg:** 18 *MB*, 18AA *Eri-Bet*, 32BB *Rhy alb*, 40 *OS***C:** 18 *MB*, 18AA *Eri-Bet*, 32BB *Rhy alb*, 40 *OS***Dm:** 32CD *Sph-Car*, 32BB *Rhy alb*, 40AB *Sph med****Sphagnum quinquefarium*** (83)**Dg:** 18 *MB***Dm:** 18 *MB*, 18AA *Eri-Bet****Sphagnum recurvum* agg.** (379)**Dg:** 18 *MB*, 32CD *Sph-Car*, 49 *VU*, 49AB *Eri-Pic***C:** 18 *MB*, 32CD *Sph-Car*, 49 *VU*, 49AB *Eri-Pic***Dm:** 16 *IL*, 16BA *Sco-Utr*, 18 *MB*, 18AA *Eri-Bet*, 32 *SC*, 32CD *Sph-Car*, 32BB *Rhy alb*, 32BE *Sph cus*, 40 *OS*, 40AB *Sph med*, 49 *VU*, 49AB *Eri-Pic****Sphagnum squarrosum*** (103)**Dg:** 18 *MB*, 32AG *Sph-Tom****Sphagnum subnitens*** (72)**Dg:** 32AG *Sph-Tom****Sphagnum subsecundum*** (75)**Dg:** 32BB *Rhy alb****Sphagnum teres*** (109)**Dg:** 17BF *Ver-Lys***Dm:** 32CB *Car las****Sphagnum warnstorfi*** (137)**Dg:** 18 *MB*, 32CC *Dre exa***C:** 32CC *Dre exa***Dm:** 32AG *Sph-Tom*, 32CC *Dre exa****Spiraea media*** (127)**Dg:** 28AC *Pru fru***C:** 28AC *Pru fru***Dm:** 28 *RH*, 28AC *Pru fru****Spirodela polyrhiza*** (293)**Dg:** 15 *LE*, 15AA *Lem min***C:** 15 *LE*, 15AA *Lem min***Dm:** 15 *LE*, 15AA *Lem min****Stachys alpina*** (239)**Dg:** 07 *EA*, 07AA *Atropio****Stachys annua*** (159)**Dm:** 33AB *She arv****Stachys palustris*** (706)**Dg:** 31 *SP***C:** 31 *SP***Dm:** 33AB *She arv****Stachys recta*** (771)**Dg:** 10 *FB*, 10AB *Asp-Fes*, 37 *TG***C:** 10AB *Asp-Fes****Stachys sylvatica*** (1475)**Dg:** 07 *EA***C:** 07 *EA*, 07AA *Atropio*, 27AC *Ace-Que*, 27BA *Aln inc*, 28BA *Sam-Sal****Stellaria graminea*** (2890)**Dg:** 17 *MA***C:** 17 *MA*, 17EA *Pol-Tri****Stellaria media* agg.** (1693)**Dg:** 29 *RO*, 29AB *Bal-Rob*, 33 *SM*, 33BA *Scl ann***C:** 17EC *Alc-Poi*, 29 *RO*, 29AA *Che-Rob*, 29AB

Bal-Rob, 33 *SM*, 33AA *Cau lap*, 33AC *Ver-Eup*, 33BA *Scl ann*, 43AD *Car-Urt*

Dm: 17EC *Alc-Poi*, 29 *RO*, 29AB *Bal-Rob*, 33AC *Ver-Eup*, 33BA *Scl ann*

Stellaria nemorum (2257)

Dg: 19 *MC*, 43AE *Rum alp*

C: 19 *MC*, 19AA *Cra-Cal*, 20 *MU*, 20EA *Pet off*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 43AE *Rum alp*

Dm: 43AE *Rum alp*

Stereocaulon incrustatum (12)

Dg: 36DA *Gal seg*

Stereocaulon nanodes (10)

Dg: 03CB *Asp sep*

Stereocaulon paschale (9)

Dg: 36DA *Gal seg*

Stipa capillata (214)

Dg: 10 *FB*, 10AA *Fes val*

Stipa pennata (179)

Dg: 10CA *Koe-Phl*

Stratiotes aloides (109)

Dg: 15 *LE*, 15CA *Hyd mor*

Dm: 15 *LE*, 15CA *Hyd mor*

Succisa pratensis (1283)

Dg: 17BC *Molinio*, 32 *SC*

C: 17BC *Molinio*

Swertia perennis (759)

C: 20CE *Fes car*, 30BA *Ara cae*, 42AA *Oxy-Ely*

Symphytum angustifolium (270)

Dg: 27AB *Que-cer*

***Symphytum officinale* agg.**¹³ (1615)

Dg: 31 *SP*, 31AB *Sal tri*

C: 01 *AG*, 17BE *Cni ven*, 31 *SP*, 31AB *Sal tri*, 31AC *Sal alb*

Symphytum tuberosum (1393)

Dg: 25 *PU*

C: 25 *PU*, 25AA *Cyt-Pin*

***Tanacetum corymbosum* agg.** (2023)

Dg: 46 *BA*

C: 20CC *Cal aru*, 20CD *Cal var*, 25 *PU*, 27AA *Que pub*, 27AB *Que-cer*, 46 *BA*, 46AA *Sal sil*

Taraxacum bessarabicum (87)

Dg: 11 *FP*, 11BA *Puc lim*

C: 11BA *Puc lim*

Taraxacum* sect. *Alpina (157)

Dg: 36BA *And alp*

Taraxacum* sect. *Erythrosperma (243)

Dg: 02AC *Ery-Hac*

Taraxacum* sect. *Ruderalia (6377)

Dg: 23 *PP*

C: 02 *AV*, 11CA *Fes pse*, 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BB *Alo pra*, 17BE *Cni ven*, 17CA *Pot ans*, 17DA *Pla-Pru*, 17EA *Pol-Tri*, 17EC *Alc-Poi*, 23 *PP*, 23AA *Mat-Pol*, 23AB *Sag pro*, 29 *RO*, 29AB *Bal-Rob*, 33 *SM*, 33DA *Sis off*, 43AC *Aeg pod*

Taxus baccata (30)

Dg: 03BA *Cym-Asp*

Tayloria froelichiana (36)

Dg: 30BA *Ara cae*

Teesdalia nudicaulis (5)

Dg: 14 *KC*, 14AA *Cor can*

Dm: 14 *KC*, 14AA *Cor can*

Tephrosieris capitata (100)

Dg: 06AC *Ses tat*

Tephrosieris crispa (223)

Dg: 17BF *Ver-Lys*

C: 17BF *Ver-Lys*

Tetragonolobus maritimus (119)

Dg: 17BC *Molinio*

Teucrium chamaedrys (2344)

Dg: 10 *FB*, 27AA *Que pub*, 37 *TG*, 37AA *Ger san*

C: 10 *FB*, 10AA *Fes val*, 10AB *Asp-Fes*, 10AC *Bro-Fes*, 10AF *Dia-Ses*, 10BA *Bro ere*, 27AA *Que pub*, 28AC *Pru fru*, 37 *TG*, 37AA *Ger san*

Teucrium montanum (1091)

Dg: 08 *EP*, 10 *FB*, 10AC *Bro-Fes*, 10AF *Dia-Ses*

C: 08 *EP*, 10 *FB*, 10AC *Bro-Fes*, 10AF *Dia-Ses*

Teucrium scorodonia (41)

Dg: 34AA *The-Air*, 37BB *Teu sco*, 50 *FR*

C: 37BB *Teu sco*, 50 *FR*

Dm: 37BB *Teu sco*

¹³ *Symphytum officinale* L. extremely prevails.

Thalictrum aquilegiifolium (764)**Dg:** 46 BA**C:** 46 BA***Thamnotia vermicularis*** (626)**Dg:** 42 CK, 42AA Oxy-Ely**C:** 42 CK, 42AA Oxy-Ely***Thelypteris palustris*** (284)**Dg:** 01 AG, 01BA *Aln glu*, 17BF *Ver-Lys***C:** 01 AG, 01BA *Aln glu***Dm:** 01 AG, 01AA *Sal cin*, 01BA *Aln glu****Thesium alpinum*** (921)**Dg:** 06 ES, 06AB *Ast-Ses*, 08 EP, 08AA *Pul-Pin*,
20CD *Cal var***C:** 06 ES, 06AB *Ast-Ses*, 08 EP, 08AA *Pul-Pin*,
20CD *Cal var****Thymus alpestris*** (716)**Dg:** 42 CK***Thymus pannonicus*** (654)**Dg:** 10 FB, 10AB *Asp-Fes***C:** 10AB *Asp-Fes****Thymus praecox*** (681)**Dg:** 10 FB, 10AA *Fes val*, 10AC *Bro-Fes****Thymus pulegioides*** (2424)**Dg:** 17AB *Cyn cri*, 50 FR**C:** 10BA *Bro ere*, 10BB *Cir-Bra*, 17AB *Cyn cri*, 50 FR***Thymus pulcherrimus*** (1115)**Dg:** 06 ES, 08 EP, 08AA *Pul-Pin***C:** 06 ES, 06AB *Ast-Ses*, 06AC *Ses tat*, 08 EP,
08AA *Pul-Pin****Thymus serpyllum*** (207)**Dg:** 09 FV, 09AA *Fes vag*, 14 KC, 14AA *Cor can*,
48AC *Eup-Cal***C:** 09 FV, 09AA *Fes vag*, 14 KC, 14AA *Cor can*,
48AC *Eup-Cal****Tilia platyphyllos*** (436)**Dg:** 27BC *Til-Ace***Dm:** 27BC *Til-Ace****Timmia austriaca*** (79)**Dg:** 30BA *Ara cae****Timmia norvegica*** (6)**Dg:** 30BA *Ara cae****Tithymalus* → *Euphorbia******Tofieldia calyculata*** (597)**Dg:** 06AA *Car fir****Tomenthypnum nitens*** (561)**Dg:** 32 SC, 32CC *Dre exa***C:** 32CC *Dre exa***Dm:** 32AG *Sph-Tom****Torilis japonica*** (542)**Dm:** 43AA *Gal-All****Tortella fragilis*** (16)**Dg:** 03CD *Hyp-Pol****Tortella tortuosa*** (1950)**Dg:** 03 AT, 06 ES, 06AA *Car fir*, 08 EP, 08AA
*Pul-Pin***C:** 03 AT, 03AA *Pot cau*, 03AB *Cystopt*, 06 ES,
06AA *Car fir*, 06AC *Ses tat*, 08 EP, 08AA *Pul-Pin*,
42 CK, 42AA *Oxy-Ely****Tortula intermedia*** (48)**Dg:** 14BA *Koe are****Tortula muralis*** (31)**Dg:** 03BA *Cym-Asp****Tortula subulata*** (9)**Dg:** 25 PU, 25AA *Cyt-Pin****Tragopogon orientalis*** (1891)**Dg:** 10BA *Bro ere*, 10BB *Cir-Bra***C:** 10BA *Bro ere*, 10BB *Cir-Bra****Tragus racemosus*** (16)**Dg:** 33EB *Sal rut****Trapa natans*** (74)**Dg:** 24 PO, 24AA *Nym alb***Dm:** 24 PO, 24AA *Nym alb****Tribulus terrestris*** (9)**Dg:** 33EA *Eragros****Trientalis europaea*** (105)**Dg:** 18 MB***Trifolium alpestre*** (834)**Dg:** 37 TG**C:** 37 TG***Trifolium angulatum*** (15)**Dg:** 11CA *Fes pse*

Trifolium arvense (517)**Dg:** 09 *FV***C:** 09 *FV*, 10AB *Asp-Fes*, 33AB *She arv***Dm:** 33EA *Eragros**Trifolium bonannii* (141)**Dg:** 11 *FP*, 11AB *Hal-Tri*, 11AC *Bec eru***C:** 11AB *Hal-Tri*, 11AC *Bec eru**Trifolium campestre* (570)**Dg:** 33AB *She arv***C:** 33AB *She arv***Dm:** 33AB *She arv**Trifolium diffusum* (2)**Dg:** 14BA *Koe are**Trifolium flexuosum* (697)**Dg:** 25 *PU***C:** 25 *PU**Trifolium fragiferum* (79)**Dg:** 11 *FP*, 11BA *Puc lim**Trifolium hybridum* (853)**Dg:** 17BB *Alo pra*, 17BE *Cni ven***C:** 17BE *Cni ven**Trifolium montanum* (1712)**Dg:** 10 *FB*, 10BA *Bro ere*, 10BB *Cir-Bra***C:** 10BA *Bro ere*, 10BB *Cir-Bra**Trifolium pratense* **kotulae* (138)**Dg:** 17EB *Poi alp**Trifolium pratense* **pratense* (5589)**Dg:** 17 *MA*, 17AA *Arh ela***C:** 10BA *Bro ere*, 10BB *Cir-Bra*, 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BB *Alo pra*, 17BD *Des cae*, 17EA *Pol-Tri*, 17EB *Poi alp*, 17EC *Alc-Poi***Dm:** 33AB *She arv**Trifolium repens* (5140)**Dg:** 17 *MA***C:** 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17BE *Cni ven*, 17CA *Pot ans*, 17DA *Pla-Pru*, 17EA *Pol-Tri*, 17EB *Poi alp*, 17EC *Alc-Poi*, 23 *PP**Trifolium retusum* (11)**Dg:** 11CA *Fes pse**Triglochin maritima* (146)**Dg:** 11 *FP*, 11AB *Hal-Tri***C:** 11AB *Hal-Tri**Triglochin palustris* (491)**Dg:** 16BA *Sco-Utr*, 32 *SC***C:** 16BA *Sco-Utr**Trichophorum pumilum* (64)**Dg:** 11 *FP*, 11AB *Hal-Tri***C:** 11AB *Hal-Tri***Dm:** 11 *FP*, 11AB *Hal-Tri**Tripleurospermum inodorum* (2314)**Dg:** 04 *BT*, 33 *SM***C:** 02 *AV*, 02AB *Dau-Mel*, 04 *BT*, 04AB *Che gla*, 12 *IN*, 12AA *Nan fla*, 33 *SM*, 33AB *She arv*, 33BA *Scl ann*, 33BB *Spe-Oxa*, 33BC *Pan-Set*, 33DA *Sis off*, 33DB *Atr nit***Dm:** 33BA *Scl ann*, 33BB *Spe-Oxa**Tripolium pannonicum* (132)**Dg:** 11 *FP*, 11BA *Puc lim*, 35 *TS***C:** 11 *FP*, 11BA *Puc lim**Trisetum alpestre* (805)**Dg:** 03 *AT*, 03AA *Pot cau*, 06 *ES*, 08 *EP***C:** 03 *AT*, 03AA *Pot cau*, 06 *ES*, 08 *EP**Trisetum flavescens* (2421)**Dg:** 10BA *Bro ere*, 17 *MA*, 17AA *Arh ela*, 17EA *Pol-Tri***C:** 10BA *Bro ere*, 17 *MA*, 17AA *Arh ela*, 17EA *Pol-Tri**Trisetum fuscum* (191)**Dg:** 20CB *Tri fus**Tritomaria quinquedentata* (102)**Dg:** 42 *CK*, 42AA *Oxy-Ely**Tussilago farfara* (1122)**C:** 19BB *Lyc-Cra*, 28BA *Sam-Sal***Dm:** 33AB *She arv**Typha angustifolia* (210)**Dm:** 22AA *Phr aus**Typha latifolia* (396)**Dg:** 41 *CF***C:** 41 *CF***Dm:** 22 *PM*, 22AA *Phr aus**Ulmus glabra* (458)**Dg:** 27BC *Til-Ace**Ulmus laevis* (138)**Dm:** 31AB *Sal tri*

Ulmus minor (410)**Dg:** 27AC *Ace-Que***C:** 27AC *Ace-Que***Dm:** 27BA *Aln inc****Umbilicaria hirsuta*** (13)**Dg:** 39CA *Dic-Pin***C:** 39CA *Dic-Pin****Urtica dioica*** (6296)**Dg:** 31 *SP*, 43 *GU*

C: 01 *AG*, 01AA *Sal cin*, 01BA *Aln glu*, 02 *AV*, 02AD *Arc lap*, 04 *BT*, 07 *EA*, 07AA *Atropio*, 19BC *Car rem*, 20 *MU*, 20EA *Pet off*, 27BA *Aln inc*, 27BC *Til-Ace*, 28 *RH*, 28AB *Cor-Pop*, 28BA *Sam-Sal*, 28BB *Arc-Sam*, 29 *RO*, 29AA *Che-Rob*, 29AB *Bal-Rob*, 31 *SP*, 31AA *Sal inc*, 31AB *Sal tri*, 31AC *Sal alb*, 36CB *Par off*, 36CC *Ara alp*, 43 *GU*, 43AA *Gal-All*, 43AB *Imp-Sta*, 43AC *Aeg pod*, 43AD *Car-Urt*, 43AE *Rum alp*, 43BA *Sen flu*, 46 *BA*, 46AA *Sal sil*

Dm: 02AC *Ery-Hac*, 17EC *Alc-Poi*, 28BB *Arc-Sam*, 31 *SP*, 31AB *Sal tri*, 31AC *Sal alb*, 36CB *Par off*, 43 *GU*, 43AB *Imp-Sta*, 43AD *Car-Urt*, 43BA *Sen flu*

Urtica urens (224)**Dg:** 33DC *Mal neg***C:** 33DC *Mal neg***Dm:** 33DC *Mal neg****Utricularia minor*** (13)**Dm:** 16 *IL*, 16BB *Sph-Utr****Utricularia vulgaris* agg.** (152)**Dg:** 15 *LE*, 15BA *Utr vul***C:** 15BA *Utr vul***Dm:** 15 *LE*, 15BA *Utr vul*, 16 *IL*, 16BB *Sph-Utr****Vaccinium microcarpum*** (43)**Dg:** 40AA *Oxy-Emp*, 49 *VU*, 49AB *Eri-Pic***C:** 49 *VU****Vaccinium myrtillus*** (5192)**Dg:** 39 *VP*, 44 *RP*, 45 *LV*, 49 *VU*

C: 08 *EP*, 13 *CC*, 13AA *Jun tri*, 18 *MB*, 18AA *Eri-Bet*, 20CA *Cal vil*, 27BE *Luz-Fag*, 39 *VP*, 39AA *Pic exc*, 39BA *Oxa-Pic*, 39BB *Chr-Pic*, 39BC *Ath-Pic*, 39BD *Abi alb*, 39CA *Dic-Pin*, 40 *OS*, 44 *RP*, 44AA *Pin mug*, 45 *LV*, 45AA *Loi-Vac*, 45AB *Vac myr*, 46 *BA*, 46AA *Sal sil*, 47 *NS*, 47AA *Nardion*, 47AB *Nar-Agr*, 47AC *Vio can*, 48AD *Gen-Vac*, 49 *VU*, 49AB *Eri-Pic*

Dm: 20CA *Cal vil*, 26 *QR*, 26AA *Gen-Que*, 27AD *Que pet*, 39 *VP*, 39AA *Pic exc*, 44 *RP*, 44AA *Pin mug*, 45 *LV*, 45AB *Vac myr*, 47 *NS*, 47AB *Nar-Agr*, 48 *CU*, 48AD *Gen-Vac*, 49 *VU*, 49AB *Eri-Pic*

Vaccinium oxycoccos (348)**Dg:** 16BA *Sco-Utr*, 18 *MB*, 18AA *Eri-Bet*, 40 *OS*, 40AB *Sph med*, 49 *VU*

C: 16BA *Sco-Utr*, 18 *MB*, 18AA *Eri-Bet*, 32CD *Sph-Car*, 32BB *Rhy alb*, 40 *OS*, 40AB *Sph med*, 49 *VU*, 49AB *Eri-Pic*

Vaccinium uliginosum (631)**Dg:** 40 *OS*, 40AA *Oxy-Emp*, 45 *LV*, 45AA *Loi-Vac*, 49 *VU*, 49AB *Eri-Pic*

C: 40 *OS*, 40AA *Oxy-Emp*, 45 *LV*, 45AA *Loi-Vac*, 49 *VU*, 49AB *Eri-Pic*

Dm: 45 *LV*, 45AA *Loi-Vac****Vaccinium vitis-idaea*** (3150)**Dg:** 18 *MB*, 18AA *Eri-Bet*, 45 *LV*, 49 *VU*

C: 08 *EP*, 08AA *Pul-Pin*, 13 *CC*, 13AA *Jun tri*, 18 *MB*, 18AA *Eri-Bet*, 39 *VP*, 39AA *Pic exc*, 39CA *Dic-Pin*, 40 *OS*, 42 *CK*, 44 *RP*, 44AA *Pin mug*, 45 *LV*, 45AA *Loi-Vac*, 45AB *Vac myr*, 47 *NS*, 48AD *Gen-Vac*, 49 *VU*, 49AB *Eri-Pic*

Dm: 45 *LV*, 45AB *Vac myr****Valeriana simplicifolia*** (1445)**Dg:** 32 *SC***C:** 32 *SC*, 32AB *Car dav****Valeriana tripteris*** (1421)**Dg:** 46 *BA*, 46AA *Sal sil*

C: 03 *AT*, 03AB *Cystopt*, 08 *EP*, 39BB *Chr-Pic*, 39BD *Abi alb*, 46 *BA*, 46AA *Sal sil*

Dm: 03BA *Cym-Asp****Valerianella dentata*** (51)**Dg:** 33AB *She arv***Dm:** 33AB *She arv****Valerianella rimosa*** (12)**Dg:** 33AB *She arv****Ventenata dubia*** (20)**Dg:** 34AA *The-Air****Veratrum album*** (1596)**Dg:** 17BF *Ver-Lys*, 20DA *Adenost*

C: 17BF *Ver-Lys*, 20 *MU*, 20CA *Cal vil*, 20DA *Adenost*

Verbascum chaixii (603)**Dg:** 37 *TG****Verbascum phoeniceum*** (88)**Dg:** 25 *PU*, 25AA *Cyt-Pin*

Verbena officinalis (252)**Dg:** 33DC *Mal neg***Veronica agrestis** (153)**Dg:** 33BA *Scl ann***Veronica alpina** (244)**Dg:** 30 *SH*, 30BA *Ara cae***C:** 30BA *Ara cae***Veronica anagalloides** (21)**Dg:** 12 *IN*, 12AA *Nan fla***Veronica aphylla** (143)**Dg:** 30BA *Ara cae***C:** 30BA *Ara cae***Veronica beccabunga** (513)**Dm:** 19BC *Car rem***Veronica dillenii** (98)**Dg:** 14 *KC*, 14AA *Cor can*, 34AA *The-Air***C:** 14 *KC***Veronica chamaedrys** agg. (6446)**Dg:** 25 *PU***C:** 10BA *Bro ere*, 17 *MA*, 17AA *Arh ela*, 17AB *Cyn cri*, 17EA *Pol-Tri*, 17EB *Poi alp*, 25 *PU*, 25AA *Cyt-Pin*, 26 *QR*, 26AA *Gen-Que*, 27 *QF*, 27AA *Que pub*, 27AB *Que-cer*, 27AD *Que pet*, 27BB *Car bet*, 43AD *Car-Urt***Veronica hederifolia** agg.¹⁴ (509)**Dg:** 29 *RO*, 29AB *Bal-Rob*, 33AC *Ver-Eup***C:** 29 *RO*, 29AB *Bal-Rob*, 33AC *Ver-Eup***Dm:** 29 *RO*, 29AB *Bal-Rob***Veronica officinalis** (2250)**Dg:** 25 *PU***C:** 07 *EA*, 25 *PU*, 25AA *Cyt-Pin*, 27AD *Que pet*, 27BE *Luz-Fag*, 47 *NS*, 47AC *Vio can***Veronica persica** (425)**Dg:** 33 *SM*, 33AB *She arv*, 33BB *Spe-Oxa***C:** 33AB *She arv*, 33BB *Spe-Oxa***Dm:** 33AB *She arv***Veronica serpyllifolia** (433)**Dg:** 23AB *Sag pro***Dm:** 23AB *Sag pro***Veronica teucrium** (285)**Dg:** 37 *TG***Veronica triphyllos** (175)**Dg:** 33AC *Ver-Eup***Viburnum lantana** (609)**Dg:** 27AA *Que pub***C:** 27AA *Que pub***Vicia angustifolia** (346)**Dg:** 25 *PU*, 33AB *She arv***Vicia cassubica** (136)**Dg:** 27AB *Que-cer***Vicia cracca** (3623)**Dg:** 46 *BA***C:** 10BA *Bro ere*, 10BB *Cir-Bra*, 17 *MA*, 17AA *Arh ela*, 17BE *Cni ven*, 17EA *Pol-Tri*, 46 *BA*, 46AA *Sal sil***Vicia hirsuta** (540)**Dg:** 33AA *Cau lap*, 33AB *She arv*, 33BA *Scl ann***C:** 33AA *Cau lap*, 33AB *She arv***Dm:** 33AB *She arv***Vicia lathyroides** (57)**Dg:** 10CA *Koe-Phl***Vicia oreophila** (372)**Dg:** 20CC *Cal aru***Vicia pisiformis** (41)**Dg:** 25 *PU*, 27AC *Ace-Que***Vicia sylvatica** (316)**Dg:** 46 *BA*, 46AA *Sal sil***C:** 46 *BA*, 46AA *Sal sil***Vicia tenuifolia** (262)**Dm:** 37AB *Tri med***Vincetoxicum hirundinaria** (2229)**Dg:** 08 *EP*, 27AA *Que pub*, 37 *TG***C:** 08 *EP*, 10AC *Bro-Fes*, 10AF *Dia-Ses*, 27AA *Que pub*, 27AB *Que-cer*, 27AC *Ace-Que*, 28AC *Pru fru*, 36CA *Sti cal*, 37 *TG*, 37AA *Ger san*, 37BB *Teu sco***Dm:** 36CA *Sti cal***Viola arvensis** (901)**Dg:** 33AA *Cau lap*, 33AB *She arv*, 33BA *Scl ann*, 50 *FR***C:** 33AA *Cau lap*, 33AB *She arv*, 33BA *Scl ann*, 50 *FR*, 50AB *Uli-Sar***Dm:** 33AB *She arv*¹⁴ In the class *Robinietaea* the *Veronica sublobata* M. A. Fisch. prevails.

Viola biflora (1707)**Dg:** 46 BA**C:** 19 MC, 19AA Cra-Cal, 19AC Phi ser, 19AE Cra com, 20 MU, 20CB Tri fus, 20CE Fes car, 20DA Adenost, 46 BA, 46AA Sal sil***Viola canina*** (1581)**Dg:** 47AC Vio can**C:** 17AB Cyn cri, 47AC Vio can***Viola hirta*** (1945)**Dg:** 27AC Ace-Que**C:** 10 FB, 10BA Bro ere, 10BB Cir-Bra, 27AA Que pub, 27AC Ace-Que, 37 TG, 37AB Tri med***Viola mirabilis*** (426)**Dg:** 27AC Ace-Que***Viola odorata*** (313)**Dg:** 27AC Ace-Que***Viola palustris*** (533)**Dg:** 18 MB, 32CD Sph-Car**C:** 18 MB, 32CD Sph-Car***Viola pumila*** (92)**Dg:** 17BE Cni ven***Viola reichenbachiana*** (2650)**Dg:** 25 PU, 27 QF**C:** 25 PU, 25AA Cyt-Pin, 27 QF, 27AC Ace-Que, 27BB Car bet, 27BD Fagion***Viola riviniana*** (406)**Dg:** 27AD Que pet***Viola tricolor*** agg. (525)**Dm:** 33AB She arv***Viscaria vulgaris*** (641)**Dg:** 10CA Koe-Phl**C:** 10CA Koe-Phl***Viscum album*** (7)**Dg:** 26BA Pin-Que***Vulpia myuros*** (25)**Dg:** 34AA The-Air**C:** 34AA The-Air***Vulpicida tubulosus*** (155)**Dg:** 06AA Car fir, 42 CK, 42AA Oxy-Ely***Warnstorfia exannulata*** (159)**Dg:** 19AC Phi ser, 32CC Dre exa**Dm:** 32CC Dre exa***Warnstorfia fluitans*** (96)**Dg:** 32BE Sph cus**C:** 32BE Sph cus**Dm:** 32BE Sph cus***Woodsia alpina*** (12)**Dg:** 30BA Ara cae***Woodsia ilvensis*** (13)**Dg:** 03CB Asp sep***Xanthium albinum*** (49)**Dm:** 04AB Che gla***Xanthoria elegans*** (27)**Dg:** 03AA Pot cau***Xanthoxalis stricta* → *Oxalis fontana******Xeranthemum annuum*** (29)**Dm:** 02AA Ono aca***Zannichellia palustris*** (27)**Dg:** 41 CF

2 A list of vegetation units of Slovakia

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A synopsis of syntaxa occurring in Slovakia with most frequent synonyms, homonyms, and pseudonyms, which are supplemented in brackets below the name of syntaxon. This list of vegetation units (syntaxa) was compiled for purposes of statistical analyses of the SNVD in June 2007 according to the list of syntaxa used in that time in SNVD. Newer syntaxonomical concepts were not included in order to keep consistence between originally analysed syntaxa and those presented in this work. Latest syntaxonomical concepts of some syntaxa are mentioned in footnotes.

Explanations: # – syntaxon not analysed in this study; ? – syntaxon potentially occurring in Slovakia, but represented by no relevé in current SNVD; § – name needs revision; !!! – syntaxon needs revision.

The list of syntaxa follows this scheme:

	Chapter 2	(App. 2)
2.1 Aquatic, shoreline and swamp vegetation		
<i>LEMNETEA</i>	p. 297	(98)
<i>CHARETEA FRAGILIS</i>	p. 297	(205)
<i>POTAMETEA</i>	p. 297	(136)
<i>ISOËTO-LITTORALLETEA</i>	p. 298	(100)
<i>ISOËTO-NANOJUNCETEA</i>	p. 298	(92)
<i>PHRAGMITO-MAGNOCARICETEA</i>	p. 299	(132)
2.2 Springs, fens and bogs		
<i>MONTIO-CARDAMINETEA</i>	p. 300	(120)
<i>SCHEUCHZERIO-CARICETEA FUSCAE</i>	p. 301	(168)
<i>OXYCOCCO-SPHAGNETEA</i>	p. 302	(203)
2.3 Vegetation of rock fissures, screes and primitive shallow rocky soils		
<i>ASPLENIETEA TRICHOMANIS</i>	p. 302	(58)
<i>THLASPIETEA ROTUNDIFOLII</i>	p. 303	(186)
<i>SEDO-SCLERANTHETEA</i>	p. 303	(184)

2.4 High-mountain swards, heaths, tall-herb and snow-bed vegetation

<i>MULGEDIO-ACONITETEA</i>	p. 304	(124)
<i>ELYNO-SESLERIETEA</i>	p. 305	(63)
<i>CARICI RUPESTRIS-KOBRESIETEA BELLARDII</i>	p. 306	(206)
<i>CARICETEA CURVULAE</i>	p. 307	(94)
<i>LOISELEURIO-VACCINIETEA</i>	p. 307	(219)
<i>SALICETEA HERBACEAE</i>	p. 308	(160)

2.5 Grasslands, meadows, pastures, subhalophilous and fringe vegetation

<i>KOELERIO-CORYNEPHORETEA</i>	p. 308	(97)
<i>FESTUCETEA VAGINATAE</i>	p. 308	(77)
<i>FESTUCO-PUCCINELLIETEA</i>	p. 309	(87)
<i>THERO-SALICORNIETEA</i>	p. 309	(186)
<i>FESTUCO-BROMETEA</i>	p. 309	(78)
<i>TRIFOLIO-GERANIETEA SANGUINEI</i>	p. 311	(190)
<i>MOLINIO-ARRHENATHERETEA</i>	p. 311	(102)
<i>NARDETEA STRICTAE</i>	p. 315	(228)
<i>CALLUNO-ULICETEA</i>	p. 315	(232)

2.6 Shrub vegetation

<i>FRANGULETEA</i>	p. 316	(238)
<i>RHAMNO-PRUNETEA</i>	p. 316	(154)
<i>BETULO CARPATICAЕ-ALNETEA VIRIDIS</i>	p. 317	(222)
<i>ROSO PENDULINAE-PINETEA MUGO</i>	p. 317	(217)

2.7 Forests

<i>VACCINIO ULIGINOSI-PINETEA SYLVESTRIS</i>	p. 317	(235)
<i>MOLINIO-BETULETEA PUBESCENTIS</i>	p. 318	(117)
<i>ALNETEA GLUTINOSAE</i>	p. 318	(51)
<i>SALICETEA PURPUREAE</i>	p. 318	(164)
<i>QUERCETEA ROBORI-PETRAEAE</i>	p. 318	(142)
<i>QUERCO-FAGETEA</i>	p. 319	(144)
<i>PULSATILLO-PINETEA</i>	p. 321	(138)
<i>ERICO-PINETEA</i>	p. 321	(71)
<i>VACCINIO-PICEETEA</i>	p. 321	(193)
<i>ROBINIETEA</i>	p. 322	(158)

2.8 Synanthropic vegetation

<i>EPILOBIETEA ANGUSTIFOLII</i>	p. 323	(68)
<i>GALIO-URTICETEA</i>	p. 323	(212)
<i>ARTEMISIETEA VULGARIS</i>	p. 324	(54)
<i>BIDENTETEA TRIPARTITAE</i>	p. 326	(61)
<i>POLYGONO ARENASTRI-POETEA ANNUAE</i>	p. 326	(134)
<i>STELLARIETEA MEDIAE</i>	p. 327	(176)

2.1 Aquatic, shoreline and swamp vegetation

LEMNETEA O. DE BOLÓS ET MASCLANS 1955

(Lemnetea R. Tx. 1955)

Lemnetalia minoris R. Tx. 1955

Lemnion minoris R. Tx. 1955

Lemnetum trisulcae (Kelhofer 1915) Knapp et Stoffers 1962

Riccietum fluitantis Slavnić 1956

Riccietum rhenanae Knapp et Stoffers 1965

Wolffietum arrhizae Miyawaki et J. Tx. 1960

Lemnetum minoris Oberd. ex Th. Müller et Görs 1960

Lemnetum gibbae Miyawaki et J. Tx. 1960

Lemno minoris-Spirodeletum polyrhizae Koch 1954 em. Th. Müller et Görs 1960

Salvinio-Spirodeletum Slavnić 1956

Riccio carpetum natantis Segal 1963 em. R. Tx. 1974 §

Lemno-Azolletum filiculoidis Br.-Bl. in Br.-Bl. et al. 1952

Lemno-Utricularietalia Passarge 1978

Utricularion vulgaris Passarge 1964

Lemno-Utricularietum vulgaris Soó 1947

Spirodelo-Aldrovandetum Borhidi et Járαι-Komlódi 1959

Hydrocharitetalia Rübél 1933

Hydrocharition morsus-ranae Rübél 1933 em. Westhoff et Den Held 1969 §

Hydrochari-Stratiotetum Kruseman et Vlieger 1937

Ceratophylletum demersi Hild 1956

Ceratophylletum submersi von Soó 1928

CHARETEA FRAGILIS FUKAREK EX KRAUSCH 1964

Nitelletalia flexilis Dambska 1966

#Nitellion syncarpae-tenuissimae Krause 1969

Nitelletum mucronatae Corillion et Guerlesquin 1972

(*Nitelletum mucronatae* Tomaszewicz ex Hrivnák et al. 2001)

Nitelletum syncarpae Corillion 1957

Charetalia hispidae Sauer ex Krausch 1964

Charion fragilis Krausch 1964 em. Van Raam et Schaminée in Schaminée et al. 1995 §

Charetum fragilis Fijałkowski 1960

Magnocharetum hispidae Corillion 1957

Nitellopsidetum obtusae Dambska 1961

Charetum contrariae Corillion 1957

Charetum tomentosae Corillion 1957

#Charion vulgaris (Krause ex Krause et Lang 1977) Van Raam et Schaminée in Schaminée et al. 1995

Charetum vulgaris Corillion 1957

POTAMETEA KLIKA IN KLIKA ET NOVÁK 1941

(Potametea R. Tx. et Preising 1942)

Potametalia Koch 1926

Nymphaeion albae Oberd. 1957

Nymphaeetum albo-luteae Nowiński 1928

Nymphoidetum peltatae Bellot 1951

Trapetum natantis Kárpáti 1963

Potametum natantis von Soó 1927

Polygonetum amphibii von Soó 1927

Potamion lucentis Rivas-Martínez 1973

(*Magnopotamion* (Volmar 1947) Den Hartog et Segal 1964)

Potametum lucentis Hueck 1931

Potametum perfoliati Koch 1926 em. Passarge 1964 §

Potametum crispum Soó 1927
Elodeetum canadensis Egger 1933
Myriophylletum verticillatum Soó 1927
Myriophylletum spicatum Soó 1927

***Potamion pusilli* Hejný 1978**

(*Parvopotamion* (Volmar 1947) Den Hartog et Segal 1964)
Potametum pectinatum Carstensen 1955
Najadetum marinae (Oberd. 1957) Fukarek 1961
Potametum trichoides Tüxen 1974
Parvopotameto-Zannichellietum palustris Koch 1926
 (*Zannichellietum palustris* Nordhagen 1954)
Potamogeton pusillus comm. [*Potamion pusilli*]

***Callitricho-Batrachietalia* Passarge 1978**

***Ranunculion fluitantis* Neuhäusl 1959**

Potametum nodosum Passarge 1964
Groenlandietum densae Segal 1965
Sparganium emersum comm. [*Ranunculion fluitantis*]

***Ranunculion aquatilis* Passarge 1964**

Hottonietum palustris R. Tx. 1937
Potamo perfoliati-Ranunculetum circinatum Sauer 1937
Ranunculetum aquatilis Géhu 1961
Potametum graminei Koch 1926
Batrachium rhipiphylloides comm. [*Ranunculion aquatilis*]
Batrachium trichophyllum comm. [*Ranunculion aquatilis*]

ISOËTO-LITTORELLETEA BR.-BL. ET V Lieger in V Lieger 1937

(*Littoreletea* Br.-Bl. et R. Tx. 1943)

***Littorelletalia* Koch ex R. Tx. 1937**

***Littorellion uniflorae* Koch ex R. Tx. 1937**

Sparganium angustifolium comm. [*Littorellion*]

***Eleochariton acicularis* Pietsch 1966 em. Dierssen 1975 §**

Eleocharito acicularis-Marsileetum quadrifoliae Pietsch 1977
Elatini-Eleocharitetum acicularis Pietsch 1965

***Utricularietalia intermedio-minoris* Pietsch 1965**

(*Utricularietea (medii) intermedio-minoris* Pietsch 1965)

***Scorpidio-Utricularion minoris* Pietsch 1965**

Scorpidio-Utricularietum minoris Ilschner ex Th. Müller et Görs 1960

***Sphagno-Utricularion minoris* Th. Müller et Görs 1960**

Sphagno-Utricularietum ochroleucae (Schum. 1937) Oberd. 1957
Sparganietum minimi Schaaf 1925
Sphagno cuspidati-Utricularietum minoris Fijałkowski 1960
Drepanocladus fluitans-Utricularia minor comm. [*Sphagno-Utricularion*]

ISOËTO-NANOJUNCETEA BR.-BL. ET R. Tx. ex Westhoff et al. 1946

(*Isoëto-Nanojuncetea* Br.-Bl. et R. Tx. 1943)

***Nanocyperetalia* Klika 1935**

***Nanocyperion flavescens* Koch 1926**

Centaurio-Blackstonietum Oberd. 1957
Cerastio-Ranunculetum sardoi Oberd. ex Vicherek 1968
Cyperetum flavescens Koch 1926
Lythro hyssopifolio-Gnaphalietum luteo-albi (Bodrožkózy 1958) Pietsch 1964
Myosuretum minimi (Diemont et al. 1940) R. Tx. 1950 §
Limosello-Ranunculetum lateriflori Pop 1968

***Elatini-Eleochariton ovatae* Pietsch 1965**

(*Eleochariton soloniensis* Philippi 1968)

Eleocharito acicularis-Limoselletum aquaticae Wendelberger-Zelinka 1952

- Cyperetum micheliani* Horvatic 1931
Juncetum bufonii Felföldy 1942
Lythro-Pulicarietum vulgaris Timár 1954
Polygono-Eleocharitetum ovatae Egger 1933
 (*Eleocharito ovatae-Caricetum cyperoidis* Klika 1935)
Eleocharito-Schoenoplectetum supini Soó et Ubrizsy 1948
Cyperus fuscus comm. [*Elatini-Eleocharition*]
 (*Cypero fusci-Juncetum bufonii* Soó et Csűrös 1944)
Tillaea aquatica comm. [*Elatini-Eleocharition*]
***Radiolion linoidis* (Rivas Goday 1961) Pietsch 1965**
Centunculo-Anthocerotetum punctati Koch 1926
Centunculo-Radioletum linoidis Krippel 1959
Isolepis setacea comm. [*Radiolion*]

PHRAGMITO-MAGNOCARICETEA KLIKA IN KLIKA ET NOVÁK 1941

(*Phragmitetea* R. Tx. et Preisig 1942)

***Oenanthetalia aquaticae* Hejný in Kopecký et Hejný 1965**

***Oenanthion aquaticae* Hejný ex Neuhäusl 1959**

- Butometum umbellati* (Konczak 1968) Philippi 1973
 (*Butomo-Alismatetum plantago-aquaticae* (Timár 1957) Hejný 1969)
Eleocharitetum palustris Ubrizsy 1948
Eleocharito palustris-Hippuridetum vulgaris Passarge 1964
Oenantho aquaticae-Rorippetum amphibiae Lohmeyer 1950
 (*Glycerio fluitantis-Oenanthetum aquaticae* Hejný et Husák 1978)
Sagittario-Sparganietum emersi R. Tx. 1953
Scirpetum radicans Hejný in Hejný et Husák 1978

***Phragmitetalia* Koch 1926**

(*Magnocaricetalia* Pignatti 1953)

***Phragmition australis* Koch 1926**

(*Phalarido-Glycerion maximae* Passarge 1964)

- Acoretum calami* Schultz 1941
Equisetetum fluviatilis Steffen 1931
 (*Equisetetum limosi* Steffen 1931)
Glycerietum aquaticae Hueck 1931
Phragmitetum vulgaris von Soó 1927
Scirpetum lacustris Chouard 1924
Sparganietum erecti Roll 1938
Phragmito-Schoenoplectetum tabernaemontani Passarge 1964
Typhetum angustifoliae Pignatti 1953
Typhetum laxmanni Nedelcu 1968
Typhetum latifoliae Lang 1973
Chrysanthemo uliginosi-Phragmitetum communis (Soó 1957) Hejný 1981
Iris pseudacorus comm. [*Phragmition australis*]

***Magnocaricion elatae* Koch 1926**

***Caricion rostratae* (Balátová-Tulácková 1963) Oberd. et al. 1967 §**

(*Caricion rostratae* Balátová-Tulácková 1963)

- Caricetum diandrae* Jonas 1933
Caricetum paniculatae Wangerin ex von Rochow 1951
Caricetum paradoxae Aszód 1936
 (*Caricetum appropinquatae* Aszód 1936)
Equiseto limosi-Caricetum rostratae Zumpfe 1929
 (*Caricetum rostratae* Osvald 1923 em. Dierssen 1982)
Peucedano-Caricetum lasiocarpae R. Tx. ex Balátová-Tulácková 1972
Calamagrostietum canescentis Simon 1960
Comaro-Caricetum lasiocarpae Balátová-Tulácková et Hübl 1985
Cicuto-Caricetum pseudocyperi Boer et Sissing in Boer 1942
Caricetum elatae Koch 1926

- Cladietum marisci* Allorge 1929
 (*Cladietum marisci* Issler 1932; *Mariscetum serrati* Zobrist 1935)
Marchantio-Caricetum acutiformis Ružičková 1971
Caricetum acutiformis Egger 1933
Calletum palustris Osvald 1923
 (*Calletum palustris* (van den Berghen 1952) Segal et Westhoff in Westhoff et Den Held 1969)
Carici-Menyanthetum (Nowiński 1928) Soó 1935
***Caricion gracilis* (Neuhäusl 1959) Oberd. et al. 1967 §**
 (*Caricion gracilis* Neuhäusl 1959)
Caricetum intermediae Steffen 1931
Caricetum gracilis Almquist 1929
Caricetum melanostachyae Balázs 1943
Galio palustris-Caricetum ripariae Balátová-Tuláčková et al. 1993
 (*Caricetum ripariae* Soó 1928)
Caricetum vesicariae Chouard 1924
Caricetum vulpinae von Soó 1927
Phalaridetum arundinaceae Libbert 1931
Nasturtio-Glycerietalia Pignatti 1953
***Phalaridion arundinaceae* Kopecký 1961**
Rorippo-Phalaridetum arundinaceae Kopecký 1961
Calamagrostietum pseudophragmitis Kopecký 1968
Caricetum buekii Hejný et Kopecký in Kopecký et Hejný 1965
***Sparganio-Glycerion* Br.-Bl. et Sissing in Boer 1942**
 (*Glycerio-Sparganion* Br.-Bl. et Sissing in Boer 1942; Philippi 1973)
Catabrosetum aquaticae Kaiser 1926 §
Glycerietum fluitantis Egger 1933
Glycerietum nemoralis-plicatae Kopecký 1972
Glycerietum plicatae (Kulczyński 1928) Oberd. 1954
Leersietum oryzoidis Egger 1933
Nasturtietum officinalis Seibert 1962
Berula erecta comm. [*Sparganio-Glycerion*]
 (non *Beruletum angustifoliae submersae* Roll 1938)
***Bolboschoenetalia maritimi* Hejný in Holub et al. 1967**
***Cirsio brachycephali-Bolboschoenion compacti* (Passarge 1978) Mucina in Balátová-Tuláčková et al. 1993**
Astero pannonicum-Bolboschoenetum compacti Hejný et Vicherek ex Ořáheřová et Valachovič 2001
Schoenoplectetum tabernaemontani Soó 1947
Bolboschoenetum maritimi Egger 1933

2.2 Springs, fens and bogs

MONTIO-CARDAMINETEA BR.-BL. ET R. TX. EX KLIKA 1948

(*Montio-Cardaminetea* Br.-Bl. et R. Tx. ex Klika et Hadač 1944)

***Montio-Cardaminetalia* Pawłowski in Pawłowski et al. 1928**

(*Cardamino-Cratoneuretalia* Maas 1959)

#*Epilobio nutantis-Montion* Zechmeister in Zechmeister et Mucina 1994

Stellario alsines-Montietum Hinterlang 1992

***Philonotidion seriatae* Hinterlang 1992**

Mniobryetum albicantis Šmarda 1950

***Cratoneurion commutati* Koch 1928**

Cardamino opicii-Cratoneuretum falcati Szafer et Sokołowski 1927 nom. invers. propos.

(*Swertio-Caricetum claviformis* (Hadač et al. 1969) Hadač 1983; *Cratoneuretum falcati* Valachovič 2001, non Gams 1927)

Cratoneuro-Saxifragetum aizoidis Nordhagen 1936

Tofieldio-Caricetum paniculatae (Šmarda 1960) Hadač 1983
Philonotido calcareae-Saxifragetum aizoidis Unar in Unar et al. 1985

***Lycopodio-Cratoneurion commutati* Hadač 1983**

Pinguiculo vulgaris-Cratoneuretum commutati Oberd. 1957
 (*Cratoneuretum filicino-commutati* Kuhn ex Oberd. in Philippi et Oberd. 1977)
Cochleario pyrenaicae-Cratoneuretum commutati Th. Müller 1961 nom. invers. propos.
Pellio endiviifoliae-Cratoneuretum commutati Rivola 1982
Eucladietum verticillati Allorge ex Braun 1968

***Cardamino-Chrysosplenietalia Hinterlang* 1992**

***Caricion remotae* Kästner 1941**

Cardamino-Chrysosplenietum alternifolii Maas 1959
 (*Cardaminetum amarae subatlanticum* (Br.-Bl. in Br.-Bl. et al. 1926) R. Tx. 1937)
Chaerophyllo-Petasitetum albi Sýkora et Hadač 1984
Caricetum remotae Kästner 1941
Carici remotae-Calthetum laetae Coldea 1978

***Cratoneuro filicini-Calthion laetae* Hadač 1983**

Brachythecio rivularis-Cardaminetum opicii (Krajina 1933) Hadač 1983
Philonotido seriatae-Calthetum laetae (Krajina 1933) Coldea 1991
 (*Calthetum laetae* Krajina 1933)
Caltho-Dicranelletum squarrosae Hadač 1956
Chaerophylletum cicutariae Zlatník 1928
Chaerophyllo-Equisetetum palustris Hadač 1983

SCHEUCHZERIO-CARICETEA FUSCAE R. Tx. 1937¹

***Caricetalia davallianae* Br.-Bl. 1949**

***Caricion davallianae* Klika 1934**

Eleocharitetum pauciflorae Lüdi 1921
Seslerietum uliginosae (Palmgren 1916) Soó 1941
Caricetum davallianae Dutoit 1924
 (*Valeriano simplicifoliae-Caricetum davallianae* Moravec 1966; *Schoenetum ferruginei*
 Du Rietz 1925)
Carici flavae-Eriophoretum latifolii Soó 1944
Valeriano simplicifoliae-Caricetum flavae Pawłowski et al. 1960
Carici flavae-Cratoneuretum filicini Kovács et Felföldy 1960

***Sphagno warnstorffiani-Tomenthypnion* Dahl 1957**

Sphagno-Caricetum lasiocarpae Steffen 1931
Sphagno-Caricetum appropinquatae (Šmarda 1948) Rybníček 1974
Sphagno warnstorffiani-Caricetum davallianae Rybníček 1984
Sphagno warnstorffiani-Eriophoretum latifolii Rybníček 1974

***Caricetalia fuscae* Koch 1926 em. Br.-Bl. 1949**

***Caricion fuscae* Koch 1926 em. Klika 1934**

Caricetum goodenowii J. Braun 1915

***Caricion lasiocarpae* Vanden Berghen in Lebrun et al. 1949**

(*Eriophorion gracilis* Preising in Oberd. 1957)
Amblystegio scorpioidis-Caricetum chordorrhizae Osvald 1925
Amblystegio scorpioidis-Caricetum limosae Osvald 1923
Scorpidio-Caricetum diandrae (Koch 1926) Westhoff 1969
Drepanoclado revolventis-Caricetum lasiocarpae (Koch 1926) Rybníček 1984
Carici limosae-Sphagnetum contorti Warén 1926

***Drepanocladion exannulati* Krajina 1933**

Drepanocladetum exannulati Krajina 1933
 (*Calliervo sarmentosi-Eriophoretum angustifolii* Nordhagen 1927; *Drepanoclado*
exannulati-Caricetum fuscae Krajina 1933)

¹ New concept of the class is presented in Dítě et al. (2007).

Sphagno recurvi-Caricion canescentis* Passarge (1964) 1978Carici chordorrhizae-Sphagnetum apiculati* Warén 1926 ?*Carici filiformis-Sphagnetum apiculati* Warén 1926*Carici rostratae-Sphagnetum apiculati* Osvald 1923*Junco filiformis-Sphagnetum recurvi* Osvald 1923 ?*Carici echinatae-Sphagnetum* (Balázs 1942) Soó 1955*(Sphagno nemorei-Caricetum canescentis* Hadač in Hadač et al. 1969)***Scheuchzerietalia palustris* Nordhagen 1936*****Sphagnion cuspidati* Krajina 1933***Carici rostratae-Sphagnetum cuspidati* Osvald 1923*Sphagno cuspidati-Caricetum limosae* Osvald 1923*(Carex limosa-Scheuchzeria palustris* Ass. Klika 1935)*Sphagno tenelli-Rhynchosporium albae* Osvald 1923*Sphagnum cuspidatum-Eriophorum angustifolium* comm. [*Sphagnion cuspidati*]***Rhynchosporion albae* Koch 1926***Sphagno subsecundi-Rhynchosporium albae* (Koch 1926) Rybníček 1984*Lycopodiella inundata* comm. [*Rhynchosporion albae*]**OXYCOCCO-SPHAGNETEA BR.-BL. ET R. TX. EX WESTHOFF ET AL. 1946***(Oxycocco-Sphagnetea* Br.-Bl. et R. Tx. 1943)***Sphagnetalia medii* Kästner et Flößner 1933*****Oxycocco-Empetrium hermaphroditii* Nordhagen ex Hadač et Vaňša 1967***Empetro hermaphroditii-Sphagnetum fusci* Du Rietz 1921*Scirpetum austriaci* Osvald 1923*(Scirpo caespitosi-Sphagnetum compacti* Warén 1926)*Carici lachenalii-Eriophoretum vaginati* (Krajina 1933) Šoltés in Valachovič et al. 2001***Sphagnion medii* Kästner et Flößner 1933***Sphagnetum medii* Kästner et Flößner 1933*(Andromedo polifoliae-Sphagnetum magellanici* Bogdanovskaja-Gienv 1928 em. Neuhäusl 1984)*Eriophoro vaginati-Sphagnetum recurvi* Hueck 1925

2.3 Vegetation of rock fissures, screes and primitive shallow rocky soils

ASPLENIETEA TRICHOMANIS (BR.-BL. IN MEIER ET BR.-BL. 1934) OBERD. 1977***Potentilletalia caulescentis* Br.-Bl. in Br.-Bl. et Jenny 1926***(Ctenidio-Polypodietaalia* Jurko et Peciar 1963)***Potentillion caulescentis* Br.-Bl. in Br.-Bl. et Jenny 1926***Drabo tomentosae-Artemisietum petrosae* Br.-Bl. ex Šmarda et al. 1971*Leontopodio alpini-Asteretum alpini* Šmarda ex Šmarda et al. 1971*Leontopodio alpini-Campanuletum cochleariifoliae* Unar in Unar et al. 1985*Poo margilicolae-Primuletum hungaricae* Bernátová et al. 2003***Cystopteridion* Richard 1972***Bellidiastro michelii-Campanuletum cochleariifoliae* Valachovič et Mucina 1995*Bellidiastro michelii-Seslerietum calcariae* Sillinger ex Šmarda 1970*Ctenidio-Polypodietum* Jurko et Peciar 1963*Cystopteridetum fragilis* Oberd. 1938***Tortulo-Cymbalarietalia* Segal 1969*****Cymbalario-Asplenion* Segal 1969 em. Mucina 1993***Asplenietum ruta-murariae-trichomanis* Kuhn 1937*(Asplenietum trichomano-ruta-murariae* R. Tx. 1937)*Cymbalarietum muralis* Görs in Oberd. 1967*Corydalidetum luteae* Kaiser 1926

Androsacetalia vandellii Br.-Bl. in Meier et Br.-Bl. 1934 corr. Br.-Bl. 1948#**Androsacion vandellii Br.-Bl. in Br.-Bl. et Jenny 1926 corr. Br.-Bl. 1948 ?****Asplenion septentrionalis Oberd. 1938***Woodsio ilvensis-Asplenietum septentrionalis* R. Tx. 1937*Asplenium septentrionale* comm. [*Asplenion septentrionalis*]**Hypno-Polypodium vulgaris Mucina 1993***Aspleno-Polypodietum* Firbas 1924*(Hypno-Polypodietum* Jurko et Peciar 1963)**THLASPIETEA ROTUNDIFOLII BR.-BL. 1948****Thlaspietalia rotundifolii Br.-Bl. in Br.-Bl. et Jenny 1926****Papaverion tatricii Pawlowski 1928 corr. Valachovič 1995***Oxyrio digynae-Papaveretum tatricii* Pawlowski et Stecki 1927 corr. Valachovič 1995*Cerastio latifolii-Papaveretum tatricii* Pawlowski et Stecki ex Valachovič 1995*Cerastietum tatrae* Hadač et al. ex Hadač 1987*Silenetum prostratae* Hadač et al. ex Unar et al. 1985*(Silenetum glareosae* Hadač et al. ex Hadač 1987)**Androsacetalia alpinae Br.-Bl. in Br.-Bl. et Jenny 1926****Androsacion alpinae Br.-Bl. in Br.-Bl. et Jenny 1926***Oxyrio digynae-Saxifragetum carpaticae* Pawlowski et al. 1928**Galio-Parietarietalia officinalis Bošcaiu et al. 1966***(Stipetalia calamagrostis* Oberd. et Seibert in Oberd. et al. 1977)**Stipion calamagrostis Jenny-Lips ex Br.-Bl. et al. 1952***Dryopteridetum robertianae* Kaiser 1926*Rumicetum scutati* Faber 1936*Galeopsietum angustifoliae* (Libbert 1938) Bükér 1942*Chaenorrhino-Galeopsietum angustifolii* Valachovič 1990*Teucrio botryos-Bupleuretum falcati* Hadač et Valachovič in Valachovič et Hadač 1986*Vincetoxicetum officinalis* Kaiser 1926 §**Arabidion alpinae Béguin 1972***Cystopteridetum montanae* Richard 1972*Poo nemoralis-Arabidatum alpinae* Hadač et Valachovič in Valachovič et Hadač 1986**Parietarion officinalis Gergely et al. 1966***Parietarietum officinalis* Csűrös 1958*Campanula carpatica* comm. [*Parietarion officinalis*]**Galeopsietalia Oberd. et Seibert in Oberd. et al. 1977****Galeopsion segetum Oberd. 1957***Senecio-Galeopsietum ladani* Eliáš 1993*Cladonio mitis-Silenetum inflatae* Banášová 1974**SEDO-SCLERANTHETEA BR.-BL. 1955****Thero-Airetalia Oberd. in Oberd. et al. 1967****Thero-Airion R. Tx. ex Oberd. 1957***Vulpietum myuri* Philippi 1973*(Filagini-Vulpietum* Oberd. 1938)*Vulpio-Airetum capillaris* Pauca 1941*Ventenata dubia* comm. [*Thero-Airion*]**Sedo-Scleranthetalia Br.-Bl. 1955****Arabidopsidion thalianae Passarge 1964***(Sedo albi-Veronicion dillenii* Oberd. 1957) Korneck 1974; *Veronicion* Oberd. ex Moravec 1967)*Allietum montani* Mikyška 1933 §*Festuco ovinae-Polytrichetum* Simon 1971*Veronico vernaе-Poetum bulbosae* Moravec 1967*Festuco-Veroniceum dillenii* Oberd. 1957*(Veronico dillenii-Galietum pedemontani* Eliáš 1980)*Minuartia glomerata* comm. [*Arabidopsidion thalianae*]

Sempervivum carpaticum comm. [*Arabidopsidion thalianae*]

#Sedo-Scleranthion biennis Br.-Bl. 1955

Sedum annuum-Festuca supina comm. [*Sedo-Scleranthion*]

Alysso-Sedetalia Moravec 1967

***Alysso alyssoidis-Sedion* Oberd. et Th. Müller in Th. Müller 1961**

Saxifraga tridactylitae-Poetum compressae (Kreh 1945) Géhu et Lericq 1957

Jovibarbo-Sedum albi Valachovič et Maglocký 1995

Allio montani-Sedum sexangularis Klika 1928 §

Erodio cicutariae-Brometum hordeacei Mucina in Mucina et Kolbek 1993

Alysso alyssoidis-Sedum Oberd. et Th. Müller in Th. Müller 1961

Cerastium arvense comm. [*Alysso -Sedion*]

2.4 High-mountain swards, heaths, tall-herb and snow-bed vegetation

MULGEDIO-ACONITETEA HADAČ ET KLIKA IN KLIKA 1948

(*Mulgedio-Aconitetea* Hadač et Klika in Klika et Hadač 1944; *Aconito-Cardaminetea* Hadač 1956 p. p.)

Calamagrostietalia villosae Pawłowski et al. 1928

***Calamagrostion villosae* Pawłowski et al. 1928**

Festuco picturatae-Calamagrostietum villosae Pawłowski in Pawłowski et al. 1928 corr. Kliment et al. 2004

(*Calamagrostis villosa-Festuca picta*-Ass. Pawłowski in Pawłowski et al. 1928;

Calamagrostidetum villosae tatricum Krajina 1933; *Calamagrostidetum villosae altherbosum*

Sillinger 1933; non *Calamagrostidetum villosae* Schmidt 1923)

Vaccinio myrtilli-Calamagrostietum villosae Sillinger 1933

Calamagrostio villosae-Salicetum helveticae Dúbravcová et Šeffler 1992

(*Salicetum lapponae-helveticum* Horák 1971; non *Salicetum helveticae* Br.-Bl. et al. 1954)

***Trisetion fuscii* Krajina 1933**

(*Aconition firmi* Krajina 1933; *Deschampsion cespitosae* Borza 1934; *Phleo alpini-Deschampsion cespitosae* (Borza 1934) Csűrös et al. 1985)

Deschampsio cespitosae-Salicetum helveticae (Krajina 1933) Dúbravcová et Šeffler 1992

Rhodiolo-Deschampsietum cespitosae Krajina 1933

(*Trisetetum fuscii* Krajina 1933; *Deschampsietum cespitosae tatricum* Hadač 1956)

Phleo alpini-Deschampsietum cespitosae (Krajina 1933) Coldea 1983

(*Aconito firmi-Deschampsietum alpicolae* (Krajina 1933) Hadač in Mucina et Maglocký 1985)

Aconitetum firmi Sokolowski in Pawłowski et al. 1928

(*Delphinio oxysepali-Aconitetum firmi* Br.-Bl. 1930)

Bryo pseudotriquetri-Chaerophylletum hirsuti (Krajina 1933) Kliment et al. 2004

(non *Chaerophylletum cicutarii* Zlatník 1928)

***Calamagrostion arundinaceae* (Luquet 1926) Jeník 1961**

(*Calamagrostion arundinaceae* Oberd. 1949; *Calamagrostion arundinaceae* Jeník 1959)

Digitali ambiguae-Calamagrostietum arundinaceae Sillinger 1933

(*Senecioni fuchstii-Calamagrostietum arundinaceae* (Sillinger 1933) Hadač in Mucina et

Maglocký 1985)

Sileno vulgaris-Calamagrostietum arundinaceae Kliment et Jarolímek 2003

(*Digitali ambiguae-Calamagrostietum arundinaceae* sensu Kliment 1995 non Sillinger 1933)

Helianthemo grandiflorae-Calamagrostietum arundinaceae Hadač et al. 1969

(*Calamagrostietum arundinaceae mughicolum* Šmarda ex Šmarda et al. 1971 p. p.)

Anemone narcissiflorae-Laserpitietum latifolii Grebenščíkov et al. 1956

(*Jaceo elatioris-Calamagrostietum villosae* Kliment 1997)

Anemone narcissiflorae-Avenelletum flexuosae Kmoníček ex Kliment 1994

Achilleo strictae-Calamagrostietum arundinaceae Hadač et al. 1988

Potentillo aurei-Calamagrostietum arundinaceae Kliment 1993

Allio victoralis-Calamagrostietum villosae Kliment 1997

***Calamagrostion variae* Sillinger 1932 em. Hadač et al. 1969**

Convallario majalis-Calamagrostietum variae (Sillinger 1933) Kliment et al. 2004
(Carlino-Calamagrostietum variae (Sillinger 1933) Hadač in Mucina et Maglocký 1985)
Geranio sylvatici-Calamagrostietum variae (Sillinger 1932) Kliment et al. 2004

***Festucion carpaticae* Bělohávková et Fišerová 1989**

Festucetum carpaticae Domin 1925

***Adenostyletalia alliariae* Br.-Bl. 1930**

(*Adenostyletalia* G. Br.-Bl. et J. Br.-Bl. 1931)

Adenostylon alliariae* Br.-Bl. 1926**Adenostylenion alliariae* Klika in Klika et Hadač 1944**

Ranunculo platanifolii-Adenostyletum alliariae (Krajina 1933) Dúbravcová et Hadač ex Kočí 2001

(*Adenostyletum alliariae tatricum* Krajina 1933; *Adenostyletum alliariae silicicolum* Sillinger 1933; *Adenostyletum alliariae* Pawłowski et al. 1928; non *Adenostyletum alliariae* Br.-Bl. 1930)

Adenostylo alliariae-Athyrietum alpestris (Zlatník 1928) Jeník 1961

(*Athyrietum alpestris* Zlatník 1928; *Athyrietum alpestris tatricum* Hadač 1956; *Acetosio alpestris-Athyrietum alpestris* Hadač 1956) Mucina et Maglocký 1985; non *Athyrietum alpestris* Schmidt 1923)

***Delphinienion elati* (Hadač ex Hadač et al. 1969) Boşcaiu et Mihăilescu 1997**

Chaerophyllo hirsuti-Cicerbitetum alpinae (Kästner 1938) Sýkora et Hadač 1984

(*Mulgedietum alpini montanum* Kästner 1938; non *Cicerbitetum alpinae* Bolleter 1921)

Aconito firmi-Adenostyletum alliariae Domin 1930 nom. invers. propos.

(*Adenostyletum alliariae* Br.-Bl. 1930; *Adenostyletum alliariae calcicolum* Sillinger 1933; non *Senecioni-Adenostyletum* Hadač et al. 1969)

Petasito kablíkiani-Senecietum nemorensis Hadač et al. 1969

(*Senecioni-Adenostyletum alliariae* Hadač et al. 1969; *Doronicetum austriaci* Hadač et al. 1969)

Geranio robertiani-Delphinietum elati Kliment et al. 2004

Daphno mezerei-Dryopteridetum filicis-maris Sýkora et Štursa 1973

Aconito firmi-Digitaletum grandiflorae Hadač et al. 1969

Petasito-Chaerophylletalia Morariu 1967***Petasition officinalis* Sillinger 1933**

(*Chaerophyllo-Petasition hybridi* (Sillinger 1933) Kopecký 1968)

Chrysosplenio alternifolii-Petasitetum hybridi Hadač et Soldán 1989

(*Petasitetum hybridi tatricum* Hadač et al. 1969; *Lysimachio nummulariae-Petasitetum hybridi* Hadač et Soldán 1989 p. p.)

Petasitetum officinalis-glabrati Sillinger 1933

(*Chaerophyllo-Petasitetum hybridi-kablíkiani* (Sillinger 1933) Kopecký 1968; *Petasitetum hybridi-kablíkiani* auct.)

Agropyro caninae-Petasitetum kablíkiani Pawłowski et Walas 1949

(*Petasitetum glabrati* Walas 1933; *Petasitetum kablíkiani* Šmarda ex Šmarda et al. 1971;

Petasitetum kablíkiani tatricum Hadač in Hadač et al. 1969; non Association à *Petasites Kablíkianus* Zlatník 1925)

Aconito firmi-Rumicetum alpini Unar in Unar et al. 1985

(*Rumicetum alpini* Šmarda et al. 1963 p. p. maj.; non *Rumicetum alpini* Beger 1922)

Chaerophyllum hirsutum comm. [*Petasition officinalis*]

***ELYNO-SESLERIETEA* Br.-Bl. 1948**

(*Seslerio-Arabidetea alpinae* Klika in Klika et Hadač 1944 p. p.; *Elyno-Seslerietea* Br.-Bl. in Br.-Bl. et al. 1947; *Seslerietea albicantis* Oberd. 1978 corr. Oberd. 1990)

***Seslerietalia coerulae* Br.-Bl. in Br.-Bl. et Jenny 1926**

Astero alpini-Seslerion calcariae Hadač ex Hadač et al. 1969 nom. invers. propos.

(*Seslerio-Asterion alpini* Hadač 1962; *Astero serpentimontani-Seslerion* Hadač 1962 corr. Mucina 1961)

***Astero alpini-Seslerienion calcariae* Kliment et al. 2005**

Astero alpini-Seslerietum calcariae Hadač et al. 1969

Diantho praecoci-Festucetum versicoloris Hadač et al. 1969
(*Festucetum tatrae* Šmarda 1956; *Tortello tortuosae-Festucetum tatrae* Hadač et al. 1969; non *Festucetum tatrae* Szafer et al. 1923 corr. 1927)

Gentiano clusii-Festucetum versicoloris Bělohávková in Kliment et al. 2005

***Pulsatillo slavicae-Caricion humilis* Uhlířová in Kliment et al. 2005**

Seslerio albicantis-Arcostaphyletum uvae-ursi (Sillinger 1933) Kliment et al. 2005
(*Arcostaphyletum fatrense* Sillinger 1933)

Minuartio langii-Festucetum pallentis (Sillinger 1933) Mucina ex Kliment et al. 2005
(*Festucetum pallentis carpaticum* Sillinger 1933; *Minuartio langii-Festucetum pallentis* (Sillinger 1933) Mucina in Mucina et Maglocký 1985)

Seslerio variae-Caricetum approximatae Bernátová et Kliment 1982

Globulario cordifoliae-Caricetum humilis Bernátová et Uhlířová 1994

Pulsatillo slavicae-Caricetum humilis (Sillinger 1933) Mucina ex Uhlířová et Bernátová 2004
(*Caricetum humilis carpaticum* Sillinger 1933; *Pulsatillo slavicae-Caricetum humilis* (Sillinger 1933) Mucina in Mucina et Maglocký 1985)

Festuco tatrae-Caricetum humilis Uhlířová et Petřík 2006

Seslerio calcariae-Festucetum tatrae Sillinger 1933

(non *Festucetum tatrae* Szafer et al. 1923 corr. 1927)

Diantho nitidi-Caricetum tatorum (Sillinger 1933) Kliment et al. 2005

(*Seslerieto-Semperviretum* Klika 1926; *Seslerieto-Semperviretum fatrense* Sillinger 1933;

Seslerieto-Semperviretum Grebenščíkov 1954; non *Seslerieto-Semperviretum* Beger 1922)

***Seslerion tatrae* Pawłowski 1935 corr. Klika 1955**

(*Seslerion bielzii* Pawłowski 1935; *Seslerion tatrae* Pawłowski 1956; *Seslerion tatrae* Pawłowski em. Hadač 1962; non *Festuco saxatilis-Festucion bielzii* (Pawłowski et Walas 1949) Coldea 1984)

Diantho nitidi-Seslerietum tatrae Bělohávková in Kliment et al. 2005

Astragalo australis-Seslerietum tatrae Bernátová et Kliment 1990

Trifolio kotulae-Caricetum tatorum Kliment et al. 2005

(*Caricetum tatorum* Šmarda 1956)

Seslerietum tatrae Domin 1929 corr. Kliment et al. 2005

(*Seslerietum bielzii* Deyl 1936; *Seslerietum tatrae* Šmarda 1956; *Seslerietum tatrae* Hadač et Smola 1962)

Seslerio tatrae-Festucetum versicoloris Pawłowski et Stecki 1927 corr. Kliment et al. 2005

(*Festucetum versicoloris tatreense* Deyl 1936; *Festucetum versicoloris* Šmarda 1956; non *Festucetum versicoloris* Domin 1929; non *Diantho-Festucetum versicoloris* Šmarda 1956)

***Caricion firmae* Gams 1936**

(*Caricion firmae* Hadač 1962; *Caricion firmae* Wendelberger 1962)

Arenario tenellae-Caricetum firmae (Br.-Bl. 1930) Šibík et al. 2004

(*Caricetum firmae tatricum* Br.-Bl. 1930; *Caricetum firmae* Pawłowski et Stecki 1927,

Dryadetum octopetalae tatricum Hadač et al. 1969; *Saxifrago caesia-Caricetum firmae*

(Szafer et al. 1923) Hadač in Mucina et Maglocký 1985 p. p. maj.; non *Caricetum firmae* Rübel 1911; non *Caricetum firmae* Szafer et al. 1923)

Dryado octopetalae-Caricetum firmae Sillinger 1933

(*Dryadeto-Firmetum* Sillinger 1933; *Caricetum firmae* Klika 1932 p. p. maj.; *Festuco versicoloris-Dryadetum* (Szafer et al. 1923) Hadač in Mucina et Maglocký 1985 p. p. maj.; non *Caricetum firmae* Pawłowski et Stecki 1927; non *Dryadetum octopetalae* Hadač et al. 1969)

Androsace lacteae-Festucetum versicoloris Sillinger 1933

Saxifrago aizoidis-Festucetum versicoloris Sillinger 1933

***CARICI RUPESTRIS-KOBRESIETEA BELLARDII* OHBA 1974**

(*Kobresio-Elynetea* Oberd. 1957; *Elyno-Seslerietea* Br.-Bl. 1948 p. p. min.; *Juncetea trifidi* Hadač 1946 p. p. min.)

***Oxytropido-Elynetalia* Oberd. ex Albrecht 1969**

(*Elynetalia* Oberd. 1957; *Festucetalia versicoloris* Jenik in Moravec et al. 1995)

***Oxytropido-Elynion* Br.-Bl. 1949**

(*Elynion* Gams 1936; *Elynion medioeuropaeum* Br.-Bl. 1948; non *Elynion Bellardii* (*boreoarticum*) Nordhagen 1936)

Oxytropido carpaticae-Elynetum myosuroides (Puşcaru et al. 1956) Coldea 1991
 (*Elynetum Bellardii* Domin 1933; non *Elynetum myosuroides* Rübél 1911)
Festucetum versicoloris Domin 1929
 (*Festucetum versicoloris* Domin 1930; *Versicoloretum tatricum* Pawłowski 1935 p. p. min.;
 non *Festucetum versicoloris* Klika 1930; *Festucetum versicoloris* Domin 1933)
Drabo siliquosae-Festucetum versicoloris Petřík in Petřík et al. 2006
Pyrolo carpaticae-Salicetum reticulatae Petřík in Petřík et al. 2006
 (*Dryadeto-Salicetum reticulatae* Domin 1925; non *Salicetum retuso-reticulatae* Br.-Bl. in
 Br.-Bl. et Jenny 1926)
Festuco versicoloris-Oreochloetum distichae Pawłowski et Stecki 1927 corr. Petřík et al. 2006
 nom. invers. propos.
 (*Disticheto-Varietum* Pawłowski et Stecki 1927)

***Festucion versicoloris* Krajina 1933**

Silenetum acaulis Krajina 1933
 (*Agrostietum alpinae* Krajina 1933)
Agrosti alpinae-Festucetum versicoloris Pawłowski in Pawłowski et al. 1928 nom. invers. propos.
 (*Festucetum versicoloris graniticum* Krajina 1933; *Pediculari oederi-Festucetum versicoloris*
 (Krajina 1933) Dúbravcová in Mucina et Maglocký 1985)
Salicetum kitaibeliana Krajina 1933
 (*Drepanoclado uncinati-Salicetum kitaibeliana* Balcerkiewicz 1984; *Trifido-Distichetum*
salicetosum kitaibeliana (Krajina 1933) Balcerkiewicz 1984; *Oreochloo-Salicetum herbaceae*
salicetosum kitaibeliana Šomšák et Maláriková 1983)

CARICETEA CURVULAE BR.-BL. 1948

(*Juncetea trifidi* Hadač in Klika et Hadač 1944 p. p.; *Juncetea trifidi* Hadač 1946 p. p.)

***Caricetalia curvulae* Br.-Bl. in Br.-Bl. et Jenny 1926**

***Juncion trifidi* Krajina 1933**

Festuco supinae-Racomitrietum lanuginosi (Hadač 1956) Dúbravcová et Jarolímek 2007
 (*Racomitrietum lanuginosi tatricum* Hadač 1956)
Seslerietum distichae Krajina 1933
Oreochloo distichae-Salicetum herbaceae Krajina 1933
 (*Disticheto-Salicetum herbaceae* Krajina 1923)
Juncetum trifidi Szafer et al. 1923 em. Krajina 1933
 (*Juncetum trifidi tatrense* Hadač 1956)
Junco trifidi-Festucetum supinae Krajina 1933
 (*Festucetum supinae subalpinum (cetrarietosum)* Sillinger 1933; *Cetrario-Festucetum supinae*
 Miadok 1995)
Ranunculo pseudomontani-Caricetum sempervirens (Krajina 1933) Dúbravcová et Jarolímek
 2007
 (*Caricetum sempervirens tatricum* Krajina 1933)
Agrostietum pyrenaicae Krajina 1933 corr. Pačlová et al. in Mucina et Maglocký 1985
 (*Agrostidetum rupestris normale* Krajina 1933; *Agrostidetum rupestris subnivale* Krajina
 1933)

LOISELEURIO-VACCINIETEA EGGLEER EX SCHUBERT 1960

***Rhododendro-Vaccinietalia* Br.-Bl. in Br.-Bl. et Jenny 1926**

***Loiseleurio-Vaccinion* Br.-Bl. in Br.-Bl. et Jenny 1926**

Cetrario nivalis-Vaccinietum gaultherioidis (Hadač 1956) Hadač ex Šibík et al. 2007
 (*Empetreto-Vaccinietum uliginosi tatricum* Krajina 1933; *Vaccinieto-Empetretum* Sillinger
 1933; *Cetrario-Vaccinietum gaultherioidis* Hadač 1956 corr. Dúbravcová et Hrabovcová in
 Mucina et Maglocký 1985)
Junco trifidi-Callunetum vulgaris (Krajina 1933) Hadač ex Šibík et al. 2007

***Vaccinion myrtilli* Krajina 1933**

(*Melampyro-Vaccinion* Jeník et al. 1980; non *Vaccinion* Böcher 1943)
Avenastro versicoloris-Vaccinietum myrtilli Krajina 1933 nom. invers. propos.
 (*Vaccinietum myrtilli* Szafer et al. 1923)

- Sphagno capillifolii-Empetretum nigri* Bělohávková in Šibík et al. 2006
(*Sphagno-Empetretum hermaphroditi* Unar in Unar et al. 1985)
Cetrario islandicae-Vaccinietum vitis-idaeae Hadač et al. ex Hadač 1987
Hylocomio splendidis-Vaccinietum vitis-idaeae (Hadač et al. 1969) Šibík et al. 2006
(*Vaccinio-Empetretum nigri* Hadač et al. 1969)

SALICETEA HERBACEAE BR.-BL. 1948

Salicetalia herbaceae Br.-Bl. in Br.-Bl. et Jenny 1926

***Salicion herbaceae* Br.-Bl. in Br.-Bl. et Jenny 1926**

Philonotietum tomentellae Krajina 1933

Polytrichetum sexangularis Frey 1922

(*Kiaerio falcatae-Polytrichetum sexangularis* (Krajina 1933) Dúbravcová in Mucina et Maglocký 1985; *Pohlietum commutatae tatricum* Krajina 1933; *Polytrichetum sexangularis tatricum* Krajina 1933)

Soldanello carpaticae-Salicetum herbaceae (Szafer et al. 1927) Dúbravcová 2007

(*Geetum montani* Krajina 1933; *Salicetum herbaceae tatricum* Krajina 1933; *Sedo alpestre-Salicetum herbaceae* (Krajina 1933) Dúbravcová in Mucina et Maglocký 1985)

***Festucion picturatae* Krajina 1933 corr. Dúbravcová 2007**

Luzuletum obscurae Szafer et al. 1927 corr. Dúbravcová 2007

(*Aronico clusii-Luzuletum spadiceae* (Br.-Bl. 1930) Mucina in Mucina et Maglocký 1985;

Luzuletum spadiceae tatricum Krajina 1933)

Festucetum picturatae Krajina 1933 corr. Malinovsky et Kricsfalusy 2000

(*Festucetum pictae* Krajina 1933)

Arabidetalia caeruleae Rübél ex Br.-Bl. 1948

(*Salicetalia retuso-kitaibeliana* Lakušič 1970)

***Arabidion caeruleae* Br.-Bl. in Br.-Bl. et Jenny 1926**

Saxifragetum perdurantis Pawłowski et Stecki 1927

Saxifrago-Salicetum retusae Sillinger 1933

2.5 Grasslands, meadows, pastures, subhalophilous and fringe vegetation

KOELERIO-CORYNEPHORETEA KLIKA IN KLIKA ET NOVÁK 1941

Corynephoralia canescentis Klika 1934

***Corynephorion canescentis* Klika 1931**

Corniculario aculeatae-Corynephorion canescentis Steffen 1931

(*Thymo angustifolii-Corynephorion canescentis* Krippel 1954)

Agrostietum coarctatae Kobendza 1930

Festuco-Sedetalia R. Tx. em. Krausch 1962 §

***Koelerion arenariae* R. Tx. 1937 corr. Gutermann et Mucina 1993**

(*Sileno conicae-Cerastion semidecandri* Korneck 1974)

Brometum tectorum Bojko 1934 !!!

FESTUCETEA VAGINATAE SOÓ 1968

Festucetalia vaginatae Soó 1957

***Festucion vaginatae* Soó 1938**

Diantho serotini-Festucetum vaginatae Klika 1934

Festucetum vaginatae Rapaics ex Soó 1929

Helianthemo fumanae-Festucetum vaginatae Šmarda 1954

Rumex acetosella comm. [*Festucion vaginatae*]

FESTUCO-PUCCINELLIETEA SOÓ EX VICHEREK 1973

(Puccinellio-Salicornietea Topa 1939)

Crypsidetalia aculeatae Vicherek 1973***Cypero-Spergularion salinae* Slavnić 1948***Crypsidetum aculeatae* Wenzl 1934 em. Mucina 1993*Crypsidetum schoenoidis* (Soó 1938) Topa 1939*Cyperetum pannonicum* (Soó 1933) Wendelberger 1943**Puccinellietalia Soó 1947 em. Vicherek 1973**

(Festuco-Puccinellietalia Soó 1968 em. Vicherek 1973)

***Puccinellion limosae* Soó 1933**

(Puccinellion limosae Klika et Vlach 1937)

Plantagini tenuifoliae-Pholioretum pannonicum Rapaics ex Wendelberger 1943*Puccinellietum limosae* Rapaics et Magyar ex Soó 1933*Hordeetum hystericum* Wendelberger 1943**Artemisio-Festucetalia pseudovinae Soó ex Vicherek 1973*****Festucion pseudovinae* Soó in Máthé 1933***Achilleo setaceae-Festucetum pseudovinae* (Soó 1933) 1947*Alopecureto pratensis-Festucetum pseudovinae* Juhász-Nagy 1957

(Festucetum pseudovino-rupicolae Rehořek 1971 prov.)

Statico gmelinii-Artemisietum monogynae (Rapaics 1916) Topa 1939*Centaureo pannonicae-Festucetum pseudovinae* Klika et Vlach 1937**Scorzonero-Juncetalia gerardii Vicherek 1973*****Juncion gerardii* Wendelberger 1943**

(Scorzonero-Juncion gerardii (Wendelberger 1943) Vicherek 1973; Loto-Trifolion Westhoff et van Leeuwen ex Vicherek 1973)

Scorzonero parviflorae-Juncetum gerardii (Wenzl 1934) Wendelberger 1943*Agrostio stoloniferae-Juncetum ranarii* Vicherek 1962

(Agrostio-Caricetum distantis Rapaics 1927 ex Soó 1938)

Agrostio-Caricetum distantis Rapaics 1927 ex Soó 1938*Junco inflexi-Menthetum longifoliae* Lohmeyer ex Oberd. 1957*Blysmo-Juncetum compressi* R. Tx. 1950 §*Loto-Potentilletum anserinae* Vicherek 1973

(Agrostio-Trifolietum fragiferi Sýkora 1983)

Pulicario vulgaris-Menthetum pulegium Slavnić 1951*Caricetum divisae* Slavnić 1948

(Trifolio-Caricetum divisae Vicherek 1973)

Juncus bufonius comm. [*Juncion gerardii*]***Halo-Trichophorion pumili* Vicherek 1973***Glauco-Trichophoretum* (Šmarda 1961) Vicherek 1973***Beckmannion eruciformis* Soó 1933***Agrostio albae-Alopecuretum geniculatae* Magyar 1928*Agrostio albae-Beckmanietum* Rapaics ex Soó 1933**Thero-SALICORNITEA R. TX. IN R. TX. ET OBERD. 1958**

(Thero-Suaedetia Vicherek 1973)

Thero-Salicornietalia Pignatti et R. Tx. in R. Tx. et Oberd. 1958

(Thero-Suaedetalia Br.-Bl. et de Bolós 1958 em. Beefting 1962)

Thero-Camphorosmion* (Bilik 1963) Vicherek 1973Camphorosmetum annuae* Rapaics ex Soó 1933**FESTUCO-BROMETEA BR.-BL. ET R. TX. EX SOÓ 1947²**

(Festuco-Brometea Br.-Bl. et R. Tx. 1943; Festuco-Brometea Br.-Bl. et R. Tx. ex Klika et Hadač 1944)

Festucetalia valesiacae Br.-Bl. et R. Tx. ex Br.-Bl. 1949² New concept of the class is presented in Janišová et al. (2007).

Festucion valesiaca* Klika 1931**[*Festucion valesiaca* Klika (1931) 1939]*Festuco valesiaca-Stipetum capillatae* Sillinger 1930(Ranunculo illyrici-Festucetum valesiaca Klika 1931; *Erysimo erysimoidis-Festucetum valesiaca* Klika 1937)*Alyso heterophylli-Festucetum valesiaca* (Dostál 1933) Kliment in Kliment et al. 2000(*Pulsatillo montanae-Festucetum rupicolae* (Dostál 1933) Soó 1964 corr. Borhidi 1997 sensu auct.)*Festuco rupicolae-Caricetum humilis* Klika 1939 nom. mut. propos.(Campanulo sibiricae-Festucetum sulcatae Michalko 1957; *Fragario viridis-Festucetum rupicolae* Bureš 1976; *Festuca sulcata-Poa badensis* Jurko 1951)*Potentillo arenariae-Festucetum pseudovinae* Soó 1955*Orphantho luteae-Caricetum humilis* Kliment et Bernátová 2000*Diplachno-Festucetum sulcatae* (Soó 1930) Zólyomi 1958 ?*Medicagini-Festucetum valesiaca* Wagner 1940 ?*Astragalo austriaci-Festucetum sulcatae* Soó 1957 ?*Elytrigia intermedia* comm. [*Festucion valesiaca*]Asplenio septentrionalis-Festucion pallentis* Zólyomi 1936 corr. Soó 1971**(*Festucion pseudodalmatica* (Klika 1955) Michalko 1957)*Inulo oculi-christi-Festucetum pseudodalmatica* Májovský et Jurko 1956

(Poetum scabrae Zólyomi 1936 sensu auct.)

Potentillo arenariae-Festucetum pseudodalmatica Májovský 1955 nom. invers. propos.

(Minuartio frutescentis-Festucetum pseudodalmatica (Mikyška 1933) Klika 1938)

Minuartio glomeratae-Festucetum pseudodalmatica Klika 1938 ?*Asplenio-Festucetum glaucae* Zólyomi 1936 ?*Asplenio septentrionalis-Melicetum ciliatae* (Soó 1940) Máthé et M. Kovács 1964 ?***Koelerio-Phleion phleoidis* Korneck 1974***Astero linosyris-Festucetum rupicolae* Maglocký in Chytrý et al. 1997*Potentillo heptaphyllae-Festucetum rupicolae* (Klika 1951) Toman 1970(*Peucedano oreoselini-Festucetum rupicolae* (Vicherek 1962) Vicherek in Chytrý et al. 1997)***Bromo pannonicus-Festucion pallentis* Zólyomi 1936 corr. 1966**(*Seslerio-Festucion pallentis* Klika 1931 corr. Zólyomi 1966 p. p.)*Seslerietum heufferiana* Zólyomi 1936*Poo badensis-Festucetum pallentis* Klika 1931 corr. Zólyomi 1966(*Festucetum glaucae* Sillinger 1930)*Campanulo divergentiformis-Festucetum pallentis* Zólyomi (1936) 1966(*Seslerieto-Festucetum duriusculae pannonicae* Dostál 1933)*Poo badensis-Caricetum humilis* (Dostál 1933) Soó ex Michálková in Janišová et al. 2007(*Caricetum humilis pannonicum* Dostál 1933; *Potentilletum tommasianae* Krajina 1936)*Festuco pallentis-Caricetum humilis* Sillinger 1930 corr. Gutermann et Mucina 1993(*Scabioso suaveolentis-Caricetum humilis* Klika 1931; *Festuca duriuscula-Teucrium montanum* Futák 1947)***Diantho lumnitzeri-Seslerion* (Soó 1971) Chytrý et Mucina in Mucina et al. 1993**(*Seslerio-Festucion pallentis* Klika 1931 corr. Zólyomi 1966 p. p.)*Minuartio setaceae-Seslerietum calcariae* Klika 1931 nom. inv. propos. et nom. mut. propos.(*Minuartio setaceae-Seslerietum caeruleae* Klika 1931; *Carici humilis-Seslerietum calcariae* Sillinger 1930)*Festuco pallentis-Seslerietum calcariae* Futák 1947 corr. Janišová et al. 2007 nom. inv. propos.*Saxifrago paniculatae-Seslerietum calcariae* Klika 1941 nom. invers. propos. et nom. mut. propos.(*Dendranthemo-Seslerietum* Grodzińska et Jasiewicz in Dzwonko et Grodzińska 1979)***Brometalia erecti* Koch 1926 em. Br.-Bl. 1936 §*****Bromion erecti* Koch 1926**(*Mesobromion erecti* (Br.-Bl. et Moor 1938) Oberd. 1949)*Carici albae-Brometum monocladii* Ujházy et al. 2007*Onobrychido vicifoliae-Brometum erecti* Th. Müller 1966(*Brometum erecti* Scherrer 1925; *Mesobrometum erecti* Koch 1926)

Cirsio-Brachypodium pinnati* Hadač et Klika ex Klika 1951(Carduo-Brachypodium pinnati* Mucina et Maglocký 1985 nom. nudum)*Brachypodio pinnati-Molinietum arundinaceae* Klika 1939*Polygalo majoris-Brachypodietum pinnati* Wagner 1941*Scabioso ochroleucae-Brachypodietum pinnati* Klika 1933*(Salvio verticillatae-Brachypodietum pinnati* Ružičková 1986; *Lino tenuifolii-Brachypodietum**pinnati* Dostál 1933 em. Soó 1971; *Brachypodietum pinnati* Dostál 1933; *Lino**hirsuti-Brizetum mediae* Dostál 1933; *Origano-Brachypodietum pinnati* sensu auct. non

Medwecka-Kornaš et Kornaš 1963)

Prunello laciniatae-Dorycnietum herbacei Hadač et al. 1997 ?**TRIFOLIO-GERANIETEA SANGUINEI Th. Müller 1962 !!!***(Trifolio-Geranietea* Th. Müller 1961; *Melampyro-Holcetea* Passarge 1979)**Origanetalia vulgaris Th. Müller 1962*****Geranion sanguinei* R. Tx. in Th. Müller 1962***Campanulo bononiensis-Vicetum tenuifoliae* Krausch in Th. Müller 1962*Peucedanetum cervariae* Kaiser 1926 !*Geranio sanguinei-Anemonetum sylvestris* Th. Müller 1962*Geranio sanguinei-Dictamnenum albae* Wendelberger ex Th. Müller 1962*Geranio-Trifolietum alpestris* Th. Müller 1962*Lathyro-Vincetoxicetum* (Hilbig 1971) Passarge 1979*(Origano-Vincetoxicetum hirundinariae* Kolbek 2001)*Peucedanetum alsatici* Kaiser 1926 §*Rosetum gallicae* Kaiser 1926 §*Inula ensifolia-Origanum vulgare* comm. [*Geranion sanguinei*]*Oryzopsis virescens* comm. [*Geranion sanguinei*]*Peucedanum oreoselinum-Geranium sanguineum* comm. [*Geranion sanguinei*]***Trifolion medii* Th. Müller 1962***Trifolio medii-Melampyretum nemorosi* Dierschke 1973*(Cruciato glabrae-Melampyretum nemorosi* Passarge 1979)*Knautietum sylvaticae* Oberd. 1971*Trifolio medii-Agrimonetum eupatoriae* Th. Müller 1962*Vicetum sylvaticae* Oberd. et Th. Müller in Th. Müller 19*Campanulo-Vicetum tenuifoliae* Krausch in Th. Müller 1962*(Vicetum tenuifoliae* Krausch 1962 em. Korneck 1974)*Cruciata glabra-Betonica officinalis* comm. [*Trifolion medii*]*Pteridium aquilinum* comm. [*Trifolion medii*]*Trifolium sarosiense* comm. [*Trifolion medii*]**Melampyro pratensis-Holcetalia mollis Passarge 1979*****Melampyrion pratensis* Passarge 1967***Cruciato glabrae-Melampyretum pratense* Passarge 1979*(Galio veri-Lembotropetum nigricantis* Eliáš 1987)*Gentiano-Melampyretum sylvatici* Passarge 1979*Lysimachio vulgaris-Holcetum mollis* Dierschke et R. Tx. ex Passarge 1979*Hieracio-Deschampsietum flexuosae* Bräutigam ex Passarge 1979***Teucrion scorodoniae* de Foucalt 1983***Galeopsis ladani-Teucrietum scorodoniae* Eliáš (1986) 1993**MOLINIO-ARRHENATHERETEA R. Tx. 1937³****Arrhenatheretalia R. Tx. 1931*****Arrhenatherion elatioris* Koch 1926***Pastinaco sativae-Arrhenatheretum elatioris* Passarge 1964*(Arrhenatheretum elatioris* J. Braun 1915 p. p.; *Dauco-Arrhenatheretum* Görs 1974;*Arrhenatheretum medioeuropaeum* Oberd. 1952)³ New concept of the class is presented in Janišová et al. (2007)

Ranunculo bulbosi-Arrhenatheretum elatioris Ellmauer in Ellmauer et Mucina 1993
(*Arrhenatheretum elatioris* J. Braun 1915 p. p.; *Arrhenatheretum elatioris* Scherrer 1925;
Arrhenatheretum brometosum erecti Oberd. 1936; *Arrhenatheretum ranunculetosum bulbosi*
Knapp et Knapp 1954; *Arrhenatheretum salvietosum pratensis* Hundt 1958)

Lilio bulbiferi-Arrhenatheretum Ružičková 2002

Festucetum pratensis Soó 1938

Cirsio cani-Festucetum pratensis Májovský et Ružičková 1975

Holcetum lanati Issler 1936

(*Holcetum lanati* Gams 1927)

Poo-Trisetetum Knapp ex Oberd. 1957

(*Trifolio-Festucetum rubrae* Oberd. 1957; *Trisetum flavescens-Poetum pratensis* Knapp 1951;

Poa pratensis-Trisetum-Gesellschaft Dierschke 1997)

Cynosurion cristati R. Tx. 1947

Lolio perennis-Cynosugetum cristati R. Tx. 1937

(*Luzulo-Cynosugetum cristati* Meisel 1961 p. p.; *Festuco-Cynosugetum cristati* R. Tx. in Bükér
1942 p. p.)

Anthoxantho odorati-Agrostietum tenuis Sillinger 1933

Lolietum perennis Gams 1927

(*Lolio perennis-Plantaginetum majoris* Beger 1930; *Trifolio repentis-Lolietum* Krippelová

1967; *Festuco rupicola-Lolietum perennis* Hadač et Rambousková 1980)

Poo alpinae-Trisetetalia Ellmauer et Mucina 1993

***Polygono bistortae-Trisetion flavescens* Br.-Bl. et R. Tx. ex Marshall 1947**

(*Trisetio-Polygonion bistortae* Br.-Bl. et R. Tx. 1943; *Phyteumo-Trisetion* (Passarge 1969) Ellmauer
et Mucina 1993; *Rumici-Trisetion* Passarge 1969; *Phyteumo-Trisetion* Passarge 1969; *Campanulo-*
Trisetion Dierschke 1981)

Campanulo glomeratae-Geranium sylvatici Ružičková 2002

Geranium sylvatici-Trisetetum flavescens Knapp ex Oberd. 1957

(ass. *Trisetum flavescens-Geranium sylvaticum* Knapp 1951; *Cardaminopsis*

halleri-Agrostietum Moravec 1965; *Melandrio-Trisetetum* Moravec 1964; *Agrostidetum*

vulgaris Szafer et al. 1923; *Agrostidetum vulgare* Szafer et al. 1927)

Crepido mollis-Agrostietum capillaris Ružičková 2004

Geranio-Alchemilletum crinitae Hadač et al. 1969

(*Geranio-Alchemilletum crinitae* Hadač et Smola 1962; *Alchemillo-Deschampsietum*

cespitosae Hadač et al. 1969; *Alchemillo-Festucetum pratensis* Hadač et al. 1969;

Geo-Dactylidetum slovenicae Hadač 1981; *Hyperico-Deschampsietum cespitosae* Hadač 1981;

Rhinantho-Alchemilletum monticolae Hadač et al. 1969; *Rhinantho pulchri-Alchemilletum*

monticolae Hadač et al. ex Kliment 1994; *Rhinantho-Alchemilletum monticolae* Hadač et

Smola. 1962; *Deschampsietum cespitosae typicum* sensu Unar et al. 1984 non Krajina 1933);

Alchemillo-Deschampsietum cespitosae Bareš et Hadač 1958; *Alchemillo-Deschampsietum*

cespitosae Hadač et Smola 1962; *Alchemillo-Festucetum pratensis* Hadač et Smola 1962;

Alchemillo-Festucetum pratensis Bareš et Hadač 1958; *Alchemilletum pastoralis* sensu Šmarda

et al. 1963 p. p. non Szafer et al. 1927)

***Poion alpinae* Oberd. 1950**

(*Poion alpinae* Rübél 1933)

Alchemilletum pastoralis Szafer et al. 1927

(*Agrostio vulgari-Poetum alpinae* Bělohávková 1980 nom. ined.; *Alchemilletum* Szafer et al.

1923; *Prunello vulgare-Poetum alpinae* Oberd. 1950; *Anthoxantho-Agrostietum* sensu Unar et

al. 1984 non Sillinger 1933)

***Alchemillo-Poion supinae* R. Tx. 1970**

Alchemillo-Poetum humilis Aichinger 1933 em. Oberd. 1971

Carici leporinae-Agrostietum tenuis Hadač et Sýkora in Sýkora 1971

Poetum supinae (Oberd. 1957) Brun-Hool 1962

Violo-Matricarietum discoideae Passarge 1979

Capsello bursae-pastoris-Poetum annuae Klika 1934

Alchemilla-Juncus compressus comm. [*Alchemillo-Poion supinae*]

Molinetalia Koch 1926***Calthion palustris* R. Tx. 1937**

Angelico sylvestris-Cirsietum oleracei Tüxen 1937 nom. invers. propos.

Angelico sylvestris-Cirsietum palustris Darimont ex Balátová-Tuláčková 1973

(*Junco-Deschampsietum cespitosae* Špániková 1982 p. p.; *Scirpo-Juncetum filiformis* Oberd.

1957; *Polygono-Cirsietum palustris* Balátová-Tuláčková 1974; *Junco filiformis-Polygonetum*

bistortae Balátová-Tuláčková 1981; *Sanguisorbo-Polygonetum bistortae* Balátová-Tuláčková

1985; *Cirsio palustris-Calthetum* Balátová-Tuláčková, Kontrišová et Kontriš in Balátová-

-Tuláčková 1994)

Caricetum cespitosae Steffen 1931

Cirsietum rivularis Nowiński 1927

(*Cirsio oleracei-Valerianetum dioicae* Kuhn 1937; *Trollio-Cirsietum* Oberd. 1957; *Carici*

nigrae-Cirsietum rivularis Špániková 1983; *Geo rivali-Caricetum paniculatae* Školek 1993)

Chaerophyllo hirsuti-Calthetum palustris Balátová-Tuláčková 1985

(Groupement à *Chaerophyllum cicutaria* et *Caltha palustris* Buttler et al. 1983; *Chaerophyllo*

hirsuti-Crepidetum paludosae Balátová-Tuláčková in Balátová-Tuláčková et Venanzoni 1990)

Chaerophyllo hirsuti-Filipenduletum ulmariae Niemann et al. 1973

Crepido paludosae-Juncetum acutiflori Oberd. 1957

(*Junceum sylvatici* Braun 1915; pseudonymum: *Juncetum acutiflori* sensu auct. non Braun

1915)

Filipendulo-Caricetum buekii Háberová ex Balátová-Tuláčková in Rybníček et al. 1984

(*Filipendulo-Caricetum buekii* Háberová 1978)

Filipendulo ulmariae-Geranium palustris Koch 1926

Filipendulo ulmariae-Menthetum longifoliae Zlinská 1989

Lysimachio vulgaris-Filipenduletum ulmariae Balátová-Tuláčková 1978

(*Lythro-Filipenduletum* Hadač et al. 1997)

Scirpetum sylvatici Ralski 1931

(*Junco filiformis-Scirpetum* Oberd. 1957; *Polygono-Scirpetum* (Schwickerath 1944) Oberd.

1957)

Scirpo sylvatici-Cirsietum cani Balátová-Tuláčková 1973

Molinion Koch 1926

Junco-Molinietum coeruleae Preising 1951

Molinietum coeruleae Koch 1926

(*Selino-Molinietum* Kuhn 1937; *Silaetum pratensis* Knapp 1954; *Scorzonero-Molinietum*

Oberd. et Krause 1955; *Diantho superbi-Molinietum caeruleae* Passarge 1955; *Sanguisorbo-*

Festucetum commutatae Balátová-Tuláčková 1959 p. p.; *Serratulo-Festucetum commutatae*

Balátová-Tuláčková 1966 p. p.; *Gentiano pneumonanthis-Molinietum litoralis* Ilijanić 1968;

Silao-Molinietum caeruleae Balátová-Tuláčková 1968; *Gladiolo palustris-Molinietum*

caeruleae Balátová-Tuláčková 1968; *Carici davallianae-Molinietum caeruleae* Špániková

1978)

***Alopecurion pratensis* Passarge 1964**

Poo trivialis-Alopecuretum pratensis Regel 1925

(*Alopecuretum pratensis* Regel 1925; *Deschampsio cespitosae-Heracleetum sibirici* Libbert

1932; *Agropyro-Alopecuretum* Moravec 1965; *Stellario-Deschampsietum cespitosae* Freitag

1957; *Sanguisorbo-Deschampsietum cespitosae* Moravec 1965)

Festuca pratensis comm. [*Alopecurion pratensis*]

***Deschampsion cespitosae* Horvatić 1930**

Agrostio stoloniferae-Deschampsietum cespitosae Ujvárosi 1947

(*Deschampsietum cespitosae* Horvatić 1930; *Festucetum pratensis* Soó 1938 p. p.;

Cirsio cani-Deschampsietum cespitosae Řehořek 1969; *Cirsio cani-Deschampsietum*

cespitosae Řehořek 1971; *Cirsio cani-Festucetum pratensis* Májovský ex Růžičková 1971;

Loto tenuis-Deschampsietum cespitosae Špániková 1983; *Loto tenuis-Deschampsietum*

cespitosae Řehořek 1971 prov.)

***Cnidion venosi* Balátová-Tuláčková 1966**

Cnidio dubii-Deschampsietum cespitosae Passarge 1960

(*Cnidio-Violetum elatioris* Walther in Tüxen 1954; *Deschampsia cespitosa-Cnidium*

dubium-Gesellschaft Hundt 1958; *Cnidio venosi-Jacetum angustifoliae* Vicherek 1962;

Cnidio-Alopecuretum pratensis Májovský 1963 ex Ružičková 1971 p. p.; *Gratiolo officinalis-Caricetum suzae* Balátová-Tuláčková 1966; *Serratulo-Festucetum commutatae* Balátová-Tuláčková 1966 p. p.; *Cnidio dubii-Violetum pumilae* Balátová-Tuláčková 1969; *Carici praecoci-Alopecuretum pratensis* Špáníková 1975)

Lathyro palustris-Gratioletum officinalis Balátová-Tuláčková 1966

(*Alopecuro pratensis-Caricetum nutantis* Hargitai 1939; *Juncetum atrati* Vicherek in Balátová-Tuláčková 1969; *Cnidio-Alopecuretum pratensis* Májovský 1963 ex Ružičková 1971 p. p.; *Carici vulpinae-Alopecuretum* (Kovács et Máthé 1967) Soó 1971 corr. Borhidi 1996) *Serratulo tinctoriae-Plantaginetum altissimae* Ilijanić 1968

***Veronico longifoliae-Lysimachion vulgaris* (Passarge 1977) Balátová-Tuláčková 1981**

Alopecuro pratensis-Officinalis officinalis Balátová-Tuláčková 1968 ?

Lysimachio-Filipenduletum picbaueri Balátová-Tuláčková 1981

Stachyo palustris-Thalicetretum flavae Balátová-Tuláčková 1981 ?

Veronico longifoliae-Euphorbietum lucidae Balátová-Tuláčková et Knežević 1975 ?

Potentillo-Polygonetalia R. Tx. 1947

(*Agrostietalia stoloniferae* Oberd. in Oberd. et al. 1967)

***Potentillion anserinae* R. Tx. 1947**

(*Agropyro-Rumicion crispus* sensu auct. non Nordhagen 1940)

Festuco arundinaceae-Althaeetum officinalis Neuhäuslová 1968

Potentilletum anserinae Rapaics 1927

(*Lolio-Potentilletum anserinae* Knap 1946)

Potentilletum reptantis Eliáš 1978

(*Potentilla reptans-(Potentillion anserinae)*-Gesellschaft Ellmauer et Mucina 1993; *Potentilla reptans-Inula britannica*-Ges. Passarge 1994; *Prunello-Potentilletum reptantis* Eliáš 1978; *Agrostis stolonifera-Potentilla reptans-(Festucetalia arundinaceae)* Wurm 1991;

Potentilletum reptantis Eliáš 1974)

Ranunculo repentis-Alopecuretum geniculati R. Tx. 1937

(*Potentillo anserinae-Alopecuretum geniculati* R. Tx. (1937) 1947; *Rumici*

crispi-Alopecuretum geniculati R. Tx. 1950; *Ranunculus repens-Rorippa sylvestris*-Ass. Nordhagen 1943)

Rorippo austriaci-Agropyretum repentis R. Tx. 1950 §

(*Rorippetum austriacae* Oberd. 1957)

Rumici crispus-Agrostietum stoloniferae Moor 1958

(*Rorippo-Agrostietum stoloniferae* (Moor 1958) Oberd. et Th. Müller 1961 in Th. Müller 1961; *Agrostietum stoloniferae* (Moor 1958) Lang 1967; *Rorippo-Agrostietum prorepentis*

sensu auct.; *Rorippo-Agrostietum albae* sensu auct.)

***Juncion effusi* Westhoff et van Leeuwen ex Hejný et al. 1979**

Epilobio-Juncetum effusi Oberd. 1957

Plantagini-Prunellalia Ellmauer et Mucina 1993

***Plantagini-Prunellion* Eliáš 1980**

Prunello-Ranunculetum repentis Winterhoff 1963

(*Prunello-Plantaginetum majoris* Faliński 1963; *Plantagini-Juncetum macri* Oberd. 1957;

Alchemillo-Prunelletum vulgaris Faliński 1963; *Alchemillo-Prunelletum vulgaris* Passarge 1979)

Juncetum tenuis Brun-Hool 1962 nom. mut. propos.

(*Juncetum macri* (Diemont et al. 1940) R. Tx. 1950; *Juncetum tenuis* Schwickerath 1944;

Juncetum macri Knapp 1948; *Plantagini-Juncetum macri* Oberd. 1957; *Juncus macer*-Stadium

Diemont et al. 1940; „Ass.-Gr. *Juncetum tenuis*“ Passarge 1979; *Veronica-Juncus tenuis*-Ges. Passarge 1979)

Junco compressi-Trifolietum repentis Egger 1933

(*Juncetum compressi* Br.-Bl. 1918; *Junco compressi-Parvocyperetum* Libbert 1932; „*Juncus*

compressus-Blysmus (Scirpus) compressus-Assoziation“ Moor 1936; *Blysmo-Juncetum*

compressi R. Tx. 1950; „Ass.-Gr. *Juncetum compressi*“ Passarge 1979; *Alchemilla-Juncus*

compressus-Ges. Passarge 1979)

Oxalido-Duchesnetum indicae Jackowiak 1992

NARDETEA STRICTAE RIVAS GODAY ET BORJA CARBONELL 1961

(Nardo-Callunetea Preising 1949 p. p.)

Nardetalia strictae Oberd. ex Preising 1949**Nardion strictae Br.-Bl. 1926***Agrostio pyrenaicae-Nardetum strictae* (Sillinger 1933) Šomšák 1971 corr. Dúbravcová in Mucina et Maglocký 1985*(Nardetum strictae subalpinum* Krajina 1933; *Agrostio rupestris-Nardetum* (Sillinger 1933) Šomšák 1971)*Carici nigrae-Nardetum strictae* (Krajina 1933) Kliment 2007*(Hygro-Nardetum strictae* Krajina 1933)**Nardo-Agrostion tenuis Sillinger 1933***Helictotricho planiculmes-Nardetum strictae* Grebenščikov et al. ex Šomšák 1971(typ *Avenastrum planiculme-Nardus stricta* Grebenščikov et al. 1956)*Hieracio lachenalii-Nardetum strictae* Kornaš ex Pawłowski et al. 1960*(Nardetum strictae* Ralski 1931 p. p. maj.)*Phleo alpini-Nardetum* Klika 1934 nom. invers. propos.*(Soldanello montanae-Nardetum* (Sillinger 1933) Šomšák 1971 subas. *typicum*; *Campanulo abietinae-Nardetum* (Pałczyński 1962) Hadač et al. 1988)*Homogyno alpinae-Nardetum* Mráz 1956*Antennario dioicae-Nardetum strictae* (Svoboda 1939) Ujházy et Kliment in Janišová et al. 2007*(Nardeto-Callunetum* Svoboda 1939; *Soldanello montanae-Nardetum* (Sillinger 1933)Šomšák 1971 *callunetosum* (Svoboda 1939) Šomšák 1971)*Hypochoerido uniflorae-Nardetum strictae* (Pałczyński 1962) Winnicki 1999*(Nardetum carpathicum orientale* Pałczyński 1962; *Campanulo abietinae-Nardetum*(Pałczyński 1962) Hadač et al. 1988; non *Campanulo abietinae-Nardetum* (Domin 1933) Resmerița et Pop 1987)*Betonico officinalis-Agrostietum tenuis* Blažková et Březina 2003*Anemone narcissiflorae-Deschampsietum cespitosae* (Klika 1926) Kliment et Ujházy in Janišová et al. 2007*(Deschampsietum cespitosae* Sillinger 1933; *Deschampsietum cespitosae* Klika 1926;*Achilleo sudeticae-Deschampsietum cespitosae* Kliment 1992; typ *Avenastrum**planiculme-Nardus stricta* Grebenščikov et al. 1956, podtyp s metlicou krivolakou)*Violo sudeticae-Agrostietum capillaris* Ujházy et Janišová in Janišová et al. 2007**Violion caninae Schwickerath 1944***Campanulo rotundifoliae-Dianthetum deltoidis* Balátová-Tuláčková 1980*(Anthoxantho-Agrostietum nardetosum* Jurko 1971; *Nardetum strictae* Míkyška 1932;*Nardo-Festucetum ovinae* Dostál 1933; *Thymo pulegioidis-Festucetum ovinae* Oberd. et Görs in Görs 1968; non *Thymo pulegioidis-Festucetum* Oberd. 1957)*Festuco capillatae-Nardetum strictae* Klika et Šmarda 1944*(Gymnadenio-Nardetum* Moravec 1965 p. p.; *Polygalo-Nardetum* Oberdorfer 1957 p. p.;*Anthoxantho-Agrostietum tenuis luzuletosum* Jurko 1974 p. p. maj.)**#Nardo-Juncion squarrosi (Oberd. 1957) Passarge 1964 ?***Nardo-Juncetum squarrosi* Goksoyr 1938*(Nardo-Juncetum squarrosi* Bükler ex Duvigneaud 1949)**CALLUNO-ULICETEA BR.-BL. ET R. TX. EX WESTHOFF ET AL. 1946 !!!**

(Calluno-Ulicetea Br.-Bl. et R. Tx. ex Klika et Hadač 1944; Nardo-Callunetea Preising 1949 p. p.)

Ulicetalia Quantin 1935

(Calluno-Ulicetalia R. Tx. 1937)

Genistion pilosae Duvigneaud 1942 §

(Genistion Böcher 1943)

Genisto pilosae-Avenelletum flexuosae Vozárová 1986 prov.*Genisto pilosae-Callunetum* Br.-Bl. 1915**Euphorbio cyparissiae-Callunion vulgaris Schubert ex Passarge in Scamoni 1963***Antherico-Callunetum* Stöcker in Schubert 1960*Euphorbio cyparissias-Callunetum* Schubert 1960

Genisto pilosae-Vaccinion Br.-Bl. 1926*(Vaccinion vitis-idaeae* Böcher 1943 em. Schubert 1960) §*Cladonio-Callunetum* Jurko et Peciar 1963*Vaccinio-Callunetum* Bükér 1942 nom. invers. propos.*Vaccinium myrtillus* comm. [*Genisto-Vaccinion*]

2.6 Shrub vegetation

FRANGULETEA DOING EX WESTHOFF IN WESTHOFF ET DEN HELD 1969 !!!**Rubetalia plicati Weber in Pott 1995****#Lonicero-Rubion sylvatici R. Tx. et Neumann ex Wittig 1977 ?***Agrostio-Rubetum thyrsanthi* Passarge 1982 ?*Rubus plicatus-Frangula alnus* comm. [*Lonicero-Rubion*] ?**Ulici-Sarothamnion Doing ex Weber 1998***(Sarothamnion* R. Tx. in Preising 1949; *Sarothamnion* Oberd. 1979)*Rubo plicati-Sarothamnetum* Weber 1987*(Calluno-Cytisetum scoparii* Malcuit 1929; *Calluno-Sarothamnetum* Malcuit 1929;*Genisto pilosae-Sarothamnetum* Lohmeyer 1986)*Peucedano-Sarothamnetum* Passarge 1981**RHAMNO-PRUNETEA RIVAS GODAY ET BORJA CARBONELL EX R. TX. 1962 !!!****Prunetalia spinosae R. Tx. 1952****Prunion fruticosae R. Tx. 1952***(Prunion spinosae* Soó 1951 p. p.)*Prunetum fruticosae* Dziubaltowski 1926*Prunetum tenellae* Soó 1951*Waldsteinio geoidis-Spiraeetum mediae* Zólyomi 1936*(Spiraeetum mediae* Zólyomi 1934)*Rosetum pimpinellifoliae* Kaiser 1926 §*Seslerio heufflerianae-Cotinetum coggygriae* Háberová et Karasová 1988**Berberidion vulgaris Br.-Bl. 1950***(Prunion spinosae* Soó 1951 p. p.)*Asparago-Crataegetum* (Jurko 1958) *Mucina* in *Mucina* et Maglocký 1985*(Crataegetum danubialis* Jurko 1958)*Carici albae-Coryletum* Kontriš 1981*Crataegetum monogynae* Soó 1927*Ligustro-Prunetum* R. Tx. 1952*Crataego-Prunetum dasyphyllae* Jurko 1964*Roso-vosagiatae-Coryletum* Oberd. 1957*(Pruno-Coryletum* Jurko 1964)*Roso-Ulmetum campestre* Schubert et Mahn 1959*(Roso-Ulmetum suberosae* Jurko in Lukniš et al. 1972)*Cotoneastro-Amelanchieretum* R. Tx. 1952**Corylo-Populion tremulae Br.-Bl. 1961***Corylo-Alnetum incanae* Jurko 1964*Lonicero nigrae-Coryletum* (Kulczyński 1928) Jurko 1964*Roso-Rubetum thyrsanthi* Passarge 1982**Sambucetalia racemosae Oberd. ex Passarge in Scamoni 1963****Sambuco-Salicion capreae R. Tx. et Neumann ex Oberd. 1957***Sambucetum racemosae* Noirfalise in Lebrun et al. ex Oberd. 1973*Salicetum capreae* Schreier 1955**Arctio-Sambucion nigrae Doing 1962***(Balloto-Sambucion nigrae* Jurko 1963)*Balloto-Prunetum domesticae* Exner in Exner et Willner 2004*Balloto-Syringetum vulgaris* Exner in Exner et Willner 2004

Anthriscio-Lycietum halimifolii Jurko 1964
Aegopodio-Sambucetum nigrae Doing 1962 !!!
Sambucetum nigrae Fijalkowski 1967 !!!
Balloto nigrae-Prunetum spinosae Felföldy 1942

#**Senecioni ovati-Corylion** Weber 1998 ?

Ribeso alpini-Rosetum pendulinae Sádlo in Kolbek et al. 2003 ?

BETULO CARPATICAЕ-ALNETEA VIRIDIS REJMÁNEK IN HUML ET AL. 1979

(*Mugo-Alnetea viridis* Egger 1952 p. p.; *Betulo carpaticae-Alnetea viridis* Rejmánek 1977)

Alnetalia viridis Rübél ex Huml et al. 1979

***Salicion silesiacaе* Rejmánek et al. 1971**

Geranio sylvatici-Salicetum silesiacaе Veselá 1995
Calamagrostio arundinaceae-Salicetum silesiacaе Veselá 1995

ROSO PENDULINAE-PINETEA MUGO THEURILLAT IN THEURILLAT ET AL. 1995

(*Vaccinio-Piceetea* Br.-Bl. in Br.-Bl. et al. 1939 p. p. min.; *Mulgedio-Aconitetea* Hadač et Klika in Klika 1948 p. p. min.; *Mugo-Alnetea viridis* Egger 1952 p. p.)

Junipero-Pinetalia mugo Boscaiu 1971

***Pinion mugo* Pawłowski in Pawłowski et al. 1928**

(*Myrtillo-Piceion excelsae* Březina et Hadač in Hadač 1962 p. p.; *Vacciniorum myrtilli* Krajina 1933 p. p.)

Seslerio albicantis-Pinetum mugo (Šoltésová 1974) Šibík stat. nov. hoc loco
 (Basionym: *Adenostylo alliariae-Pinetum mugo seslerietosum calcariae* Šoltésová 1974;
 Nomenclatural type: Šoltésová 1974⁴, Tab. 3, r. 14, lectotypus hoc loco)

Adenostylo alliariae-Pinetum mugo (Sillinger 1933) Šoltésová 1974

(*Athyrio-Pinetum mughii tatricum* Hadač 1956)

Dryopterido dilatatae-Pinetum mugo Unar in Unar et al. 1985

[*Vacciniorum myrtilli-Pinetum mugo* (Sillinger 1933) Šoltésová 1974; *Homogyno alpinae-Pinetum mugo* (Sillinger 1933) Šibík et al. 2005]

Cetrario islandicae-Pinetum mugo Hadač 1956

2.7 Forests

VACCINIO ULIGINOSI-PINETEA SYLVESTRIS PASSARGE 1968

(*Vaccinietea uliginosi* Lohmeyer et R. Tx. in R. Tx. 1955)

Eriophoro-Pinetalia Passarge 1968

(*Vaccinietalia uliginosi* Lohmeyer et R. Tx. in R. Tx. 1955)

#**Ledo-Pinion** R. Tx. ex Passarge 1961 ?

Eriophoro vaginati-Pinetum sylvestris Hueck 1931 ?

Vaccinio uliginosi-Pinetum sylvestris de Kleist 1929 ?

***Eriophoro-Piceion abietis* Passarge 1968**

(*Piceo-Pinion uncinatae* R. Tx. 1955)

Sphagno magellanici-Pinetum mugo Hadač et al. 1969 nom. cons. propos.

(*Pino ×rhaeticae-Sphagnetum* Staszkievicz 1992; *Pinetum mughii dealpinum* Miadok 1976;

non *Pinetum rotundatae* Kästner et Flöbner 1933 corr. Mucina in Steiner 1993; non *Pino*

(*rotundatae*)-*Sphagnetum* (Kästner et Flöbner 1933) Neuhäusl 1969)

Sphagno-Piceetum (Hueck 1928) Hartmann 1953 sensu Sofron 1981

⁴ ŠOLTÉSOVÁ A., 1974: Bestände des Knieholzes *Pinus *mughus* (Scop.) Zenari in den Westkarpaten (Phytozönotische Analyse und Vorschlag zur Einteilung von Knieholzbestände in den Westkarpaten). – Acta Fac. Rer. Natur. Univ. Comen. Bot., Bratislava, 23: 79–104.

MOLINIO-BETULETEA PUBESCENTIS PASSARGE ET HOFMANN 1968**Eriophoro-Betuletalia pubescentis Passarge et Hofmann 1968****Eriophoro-Betulion pubescentis Passarge et Hofmann 1968***Eriophoro vaginati-Betuletum pubescentis* Hueck 1931**ALNETEA GLUTINOSAE BR.-BL. ET R. TX. EX WESTHOFF ET AL. 1946***Alnetea glutinosae* Br.-Bl. et R. Tx. 1943)**Salicetalia auritae Doing ex Steffen 1968****Salicion cinereae Th. Müller et Görs ex Passarge 1961***Salicetum cinereae* Zólyomi 1931*(Calamagrostio-Salicetum cinereae* Soó 1955)*Hydrocharo-Salicetum cinereae* Šomšák 1964*Rubo-Salicetum cinereae* Šomšák 1964*Salicetum pentandro-cinereae* Passarge 1961*Sphagno-Salicetum cinereae* Šomšák 1964*Thelypterido-Salicetum cinereae* Šomšák 1962*Equisetum telmateia-Salix cinerea* comm. [*Salicion cinereae*]**Alnetalia glutinosae R. Tx. 1937****Alnion glutinosae Malcuit 1929***Carici elongatae-Alnetum glutinosae* Schwickerath 1933*(Carici elongatae-Alnetum glutinosae* Koch 1926; *Carici elongatae-Alnetum medioeuropeum*R. Tx. et Bodeux 1955; *Carici elongatae-Alnetum boreale* Šomšák 1967)*Dryopterido cristatae-Alnetum* (Nowiński 1929) R. Tx. et Bodeux in Bodeux 1955*Fraxino pannonicae-Alnetum hungaricae* Soó et Komlódi 1957*Hottonio-Alnetum* (Hueck 1929) Fukarek 1961*Carici acutiformis-Alnetum glutinosae* Scamoni 1935*Carici ripariae-Alnetum glutinosae* Weisser 1970*Caltho laetae-Alnetum glutinosae* Šomšák (1961) 1979*Angelico sylvestris-Alnetum glutinosae* Borhidi in Borhidi et Kevey 1997**SALICETEA PURPUREAE MOOR 1958****Salicetalia purpureae Moor 1958***(Myricarietalia* Aichinger 1933; *Epilobietalia fleischeri* Moor 1958)**Salicion incanae Aichinger 1933***(Salicion eleagni* Moor 1958; *Salicion eleagno-daphnoidis* (Moor 1958) Grass in Mucina et al. 1993;*Epilobion fleischeri* J. Br.-Bl. in J. et G. Br.-Bl. 1931)*Agrostio-Salicetum purpureae* Jurko 1964*Salicetum incano-purpureae* Sillinger 1933*(Salicetum incanae* Klika 1936)*Salici-Myricarietum germanicae* Moor 1958*Salicetum purpureae* Wendelberger-Zelinka 1952*Epilobio-Myricarietum* Aichinger 1933**Salicion triandrae Th. Müller et Görs 1958***Calystegio-Salicetum triandrae* Jurko 1964*Salicetum triandrae* Malcuit ex Noirfalise in Lebrun et al. 1955*(Salicetum triandro-viminalis* (R. Tx. 1931) R. Tx. et Lohmayer 1950)*Chaerophyllo hirsuti-Salicetum fragilis* Th. Müller et Görs 1958**Salicion albae Soó 1930***Salicetum albae* Issler 1926*(Salici-Populetum* (R. Tx. 1931) Meijer-Dress 1936)*Salicetum fragilis* Passarge 1957**QUERCETEA ROBORI-PETRAEAE BR.-BL. ET R. TX. EX OBERD. 1957****Quercetalia roboris R. Tx. 1931***(Quercetalia robori-petraeae* R. Tx. (1931) 1937)*Genisto germanicae-Quercion* Neuhäusl et Neuhäuslová-Novotná 1967

- Luzulo albidiae-Quercetum petraeae* Hiltzer 1932
 (*Cytiso nigricantis-Quercetum* Grüneberg et Schlüter in Schlüter 1957)
Vaccinio vitis-ideae-Quercetum Oberd. 1957
Viscario-Quercetum Stöcker 1965
Genisto germanicae-Quercetum roboris Aichinger 1933
Molinio arundinaceae-Quercetum Samek 1962
 (*Molinio arundinaceae-Quercetum* Neuhäusl et Neuhäuslová-Novotná 1967)

Pino-Quercetalia Soó 1962

***Pino-Quercion* Medwecka-Kornaš in Medwecka-Kornaš et al. 1959**

- Cladonio rangiferinae-Pinetum* Kobenza 1930 em. Passarge 1956
 (*Pino-Quercetum zahoricum* Ružička 1960)
Pleurozio schreberi-Pinetum Šomšáková 1988

QUERCO-FAGETEA BR.-BL. ET VLIAGER IN VLIAGER 1937

Fagetalia Pawlowski in Pawlowski et al. 1928

***Alnion incanae* Pawlowski in Pawlowski et al. 1928**

(*Alno-Ulmion* Br.-Bl. et R. Tx. ex Tschou 1948)

***Alnenion glutinoso-incanae* Oberd. 1953**

- Alnetum incanae* Lüdi 1921
Arunco sylvestris-Alnetum glutinosae R. Tx. 1957
Cardamino amarae-Alnetum incanae Šomšák 1961
Carici remotae-Fraxinetum Koch ex Faber 1936
Matteuccio-Alnetum incanae Hadač et Terray 1989
Matteuccio-Alnetum glutinosae Magič et Kliment in Kliment et Watzka 2000
Piceo-Alnetum Rubner ex Oberd. 1957
Pruno-Fraxinetum Oberd. 1953
Stellario-Alnetum glutinosae Lohmeyer 1957

***Ulmenion* Oberd. 1953**

- Ficario-Ulmetum campestris* Knapp ex Medwecka-Kornaš 1952
Fraxino pannonicae-Ulmetum Soó in Aszód 1936 corr. Soó 1963
 (*Fraxino angustifoliae-Ulmetum* (Zólyomi 1937) Džatko 1972)
Fraxino-Populetum Jurko 1958
Lithospermo-Ulmetum carpinifoliae Džatko 1972
Quercu pedunculiflorae-Populetum tremuli Šomšák et Háberová 1979
Arunco-Salicetum capreae Hadač et al. 1969
Filipendulo-Salicetum capreae Hadač et al. 1969
Quercu-Populetum Neuhäuslová-Novotná 1965

***Carpinion betuli* Issler 1931 !!!**

- Stellario-Carpinetum* Oberd. 1957
 (*Galio sylvatici-Carpinetum* Oberd. 1957 p. p.)
Hacquetio-Carpinetum betuli M. Michalko 1983
Coronillo latifoliae-Carpinetum (J. Michalko 1957) J. et M. Michalko 1985
Festuco heterophyllae-Quercetum Neuhäusl et Neuhäuslová-Novotná 1964
Carici pilosae-Carpinetum Neuhäusl et Neuhäuslová-Novotná 1964
 (*Quercu petraeae-Carpinetum* Soó et Pócs (1931) 1957 p. p.)
Waldsteinio-Carpinetum (Jakucs et Jurko 1967) Soó 1971
Polygonato latifolii-Carpinetum J. Michalko et Džatko 1965
Primulo veris-Carpinetum Neuhäusl et Neuhäuslová ex Neuhäuslová-Novotná 1964
Fraxino pannonicae-Carpinetum Soó et Borhidi in Soó 1962
 (*Quercu robori-Carpinetum* Soó et Pócs (1931) 1957)
Melico uniflorae-Tilietum cordatae Šomšák et Kubiček 1995
Tilio-Carpinetum Traczyk 1962
Melico uniflorae-Quercetum petraeae Gergely 1962
Frangulo alni-Carpinetum J. Michalko 1991
Poo angustifoliae-Carpinetum J. Michalko 1991 prov.

***Tilio-Acerion* Klika 1955**

- Aceri-Carpinetum* Klika 1941

Cynancho-Tilietum platyphyllis Winterhoff 1963
Arunco-Aceretum Moor 1952
Lunario-Abietetum Fajmonová 1984
Lunario-Aceretum pseudoplatani Richard ex Schlüter in Grüneberg et Schlüter 1957
Mercuriali-Tilietum Zólyomi et Jakucs ex Fekete et Járαι-Komlódi 1962
Scolopendrio-Fraxinetum Schwickerath 1938
 (*Phyllitido-Aceretum* Moor 1952; *Aceretum pseudoplatani carpaticum* Dostál 1933; *Aceretum pseudoplatani Fatrae* Klika 1936 p. p.)
Tilio cordatae-Abietetum Šomšák 1992
Mercuriali-Fraxinetum (Klika 1942) Husová in Moravec et al. 1982
Roso pendulinae-Tilietum cordatae Csiky et al. 2001

Fagion sylvaticae Luquet 1926

***Eu-Fagenion* Oberd. 1957 em. R. Tx. in Oberd. et R. Tx. 1958 §**

Asperulo odoratae-Fagetum Sougnez et Thill 1959
 (*Fagetum asperulaceum praefatricum* Mikyška 1939 p. p. maj.)
Carici pilosae-Fagetum Oberd. 1957
Dentario bulbiferae-Fagetum Zlatník 1938
Dentario enneaphylli-Fagetum Oberd. ex W. et A. Matuszkiewicz 1960
Dentario glandulosae-Fagetum W. Matuszkiewicz ex Guzikowa et Kornaš 1969
Festuco drymejae-Fagetum sylvaticae Resmerita 1977
 (*Festuco drymeiae-Fagetum carpaticum* Morariu et al. 1968; *Festuco drymejae-Fagetum* Magic 1978)
Cyclamini-Fagetum Soó (1962) 1971
 (*Melittio-Fagetum* Soó 1962; *Melittio-Fagetum* Soó 1964 em. 1971)
Symphyto cordati-Fagetum Vida 1959
 (*Symphyto cordati-Fagetum* Magic 1978)
Melico-Fagetum Seiber 1954

***Acerenion* Oberd. 1957 em. Husová in Moravec et al. 1982**

Aceri-Fagetum J. et M. Bartsch 1940
Cortuso-Fagetum (Klika 1927) Fajmonová 1982
 (*Fagetum carpaticum calcicolum Cortusae* Klika 1927; *Fagetum montanum carpaticum cortusae* Klika 1936; *Abieto-Fagetum carpaticum cortusae* Klika 1949; *Abieto-Fagetum adenostyletosum Fatrae* Klika 1949)

***Cephalanthero-Fagenion* R. Tx. in R. Tx. et Oberd. 1958**

Campanulo carpaticae-Fagetum Jurko 1975 prov. §
Carici albae-Fagetum Moor 1952
Cephalanthero-Fagetum Oberd. 1957
Clematido alpinae-Fagetum (Sillinger 1933) Fajmonová et Šimeková 1981
 (*Piceto-Fagetum carpaticum calcicolum* Sillinger 1933; *Calamagrostio varie-Piceo-Fagetum* (Sillinger 1933) Fajmonová et Šimeková 1973)
Poo stiriacaе-Fagetum Zukrigl 1973
Seslerio-Fagetum Moor 1952
Seslerio heufflerianaе-Quercetum petraeae Šomšák et Háberová 1979
Carici albae-Piceetum Školek 1995

***Galio-Abietenion* Oberd. 1962**

Euphorbio dulcis-Abietetum Šomšák 1986
Galio rotundifolii-Abietetum Wraber (1955) 1959

***Luzulo-Fagion* Lohmeyer et R. Tx. in R. Tx. 1954**

Calamagrostio villosae-Fagetum Mikyška 1972
Luzulo nemorosae-Fagetum Meusel 1937
Poo chaixii-Fagetum Šomšák 1979

***Quercetalia pubescenti-petraeae* Klika 1933**

***Quercion pubescenti-petraeae* Br.-Bl. 1932**

Avenello-Quercetum virgilianaе Miadok 1980 prov.
Carici-Quercetum virgilianaе (Klika 1951) Miadok 1980 prov.
Corno-Quercetum Jakucs et Zólyomi ex Máthé et Kovács 1962
Cotino-Quercetum pubescentis (Soó 1931) 1932

Dictamnno-Sorbetum Knapp 1954
Fraxino orni-Quercetum pubescentis Klika 1938
Lithospermo-Quercetum virgilliana (Klika 1951) Miadok 1980 prov.
Lithospermo purpurocaerulei-Quercetum pubescentis Michalko 1957
 (*Pruno mahaleb-Quercetum pubescentis* Jakucs et Fekete 1957)
Quercetum virgilliana Šomšák et Háberová 1979
Seslerio heuffleriana-Tilietum Miadok 1980 prov.
Seslerio albicantis-Quercetum pubescentis Chytrý 1994
Euphorbio angulatae-Quercetum Knapp ex Hübl 1959

***Quercion petraeae* Zólyomi et Jakucs ex Jakucs 1960**

(*Potentillo albae-Quercion* (Knapp 1948) J. Michalko 1986)
Frangulo alni-Quercetum roboris-petraeae J. Michalko 1991
Potentillo albae-Quercetum Libbert 1933
Genisto pilosae-Quercetum petraeae Zólyomi et al. ex Soó 1963
Sorbo torminalis-Quercetum Svoboda ex Blažková 1962

***Aceri tatarici-Quercion* Zólyomi et Jakucs 1957**

Quercetum pubescenti-roboris (Zólyomi 1957) Michalko et Džatko 1965
 (*Aceri tatarici-Quercetum pubescentis-roboris* Zólyomi 1957)
Convallario-Quercetum roboris Soó (1939) 1957
Festuco rupicolae-Quercetum roboris Soó (1943) 1957
Carici fritschii-Quercetum roboris Chytrý et Horák 1997

***Quercion confertae-cerris* Horvat 1954**

Carici montanae-Quercetum petraeae Gergely 1962
Poo nemoralis-Quercetum dalechampii Šomšák et Háberová 1979
Poo scabrae-Quercetum (Magyar 1933) Neuhäusl et Neuhäuslová-Novotná 1964
Quercetum petraeae-cerris Soó 1957

***PULSATILLO-PINETEA SYLVESTRIS* OBERD. 1992**

(*Pulsatillo-Pinetea* Oberd. in Oberd. et al. 1967)

***Pulsatillo-Pinetalia* Oberd. in Th. Müller 1966**

***Cytiso ruthenici-Pinion* Krausch 1962**

Brachypodio pinnati-Pinetum sylvestris J. Michalko 1980
Poo nemoralis-Quercetum petraeae J. Michalko 1980 !!!

***ERICO-PINETEA* HORVAT 1959**

***Erico-Pinetalia* Horvat 1959**

***Pulsatillo slavicae-Pinion* Fajmonová 1978**

Carici humilis-Pinetum (Klika 1949) Fajmonová et Šimeková 1972
Astero bellidiastris-Pinetum Uhlřivá 1993 prov. §
 (*Vaccinio vitis-idaeae-Laricetum* Petrik et al. 1982 prov.)
Festuco tatrae-Pinetum Uhlřivá 1999

VACCINIO-PICEETEA BR.-BL. IN BR.-BL. ET AL. 1939 !!!

***Piceetalia excelsae* Pawlowski ex Pawlowski et al. 1928**

***Piceion excelsae* Pawlowski ex Pawlowski et al. 1928**

Calamagrostio villosae-Piceetum Schlüter 1966 ?
 (*Calamagrostio villosae-Piceetum* (R. Tx. 1937) Hartmann 1953 sensu Mucina et Maglocký 1985)
Avenello-Piceetum excelsae Hadač et al. 1969 prov.
 (*Deschampsio flexuosae-Piceetum* Wraber (1953) 1960 nom. nud.)
Mastigobryo-Piceetum (Schmid et Gaisberg 1936) Br.-Bl. et al. 1939 ?
Sphagno acutifolii-Piceetum (Březina et Hadač in Hadač et al. 1969) Hadač 1987
Sphagno palustris-Piceetum Šomšák 1979
Vaccinio myrtilli-Piceetum Šoltés 1976
Bazzanio-Abietetum (Kuoch 1954) Ellenberg et Klötzli 1972
Blechno-Abietetum Horvat 1950
Calamagrostio villosae-Abietetum Ellenberg et Klötzli 1972

Dryopterido dilatatae-Abietetum (Kuoch 1954) Ellenberg et Klötzli 1972
Equiseto sylvatici-Abietetum Moor 1952
Fago-Piceetum Hartmann et Jahn 1967
Luzulo-Abietetum Oberd. 1957
Soldanello hungaricae-Abietetum Šomšák 1982
Cembro-Piceetum Myczkowski et Lesiński 1974

Athyrio-Piceetalia Hadač 1962

***Oxalido-Piceion* (Krajina 1933) Březina et Hadač in Hadač 1962**

Mnio spinosi-Piceetum Hadač et al. 1969
Oxalido-Piceetum excelsae Březina et Hadač in Hadač et al. 1969

***Chrysanthemo rotundifolii-Piceion* (Krajina 1933) Březina et Hadač in Hadač 1962**

Adenostylo alliariae-Piceetum excelsae Březina et Hadač in Hadač et al. 1969
 (*Adenostylo-Piceetum* Hartmann 1953 nom. nud.)
Chrysanthemo rotundifolii-Piceetum Krajina 1933
Cortuso-Piceetum (Šoltés 1976) Fajmonová 1978
Seslerio-Piceetum Fajmonová 1978
Dryopterido filici-marisc-Piceetum excelsae Březina et Hadač in Hadač et al. 1969
Polysticho lonchitidis-Piceetum W. Matuszkiewicz ex J. Matuszkiewicz 1977

***Athyrio alpestris-Piceion* Sýkora 1971**

Athyrio alpestris-Piceetum Hartmann ex Hartmann et Jahn 1967

***Abietion albae* Březina et Hadač ex Hadač 1965 !!!**

(*Abieti-Piceion* (Br.-Bl. in Br.-Bl. et al. 1939) Soó 1964)

Abieto-Laricetum Hadač et al. 1969 prov.
Adenostylo alliariae-Abietetum Kuoch 1954
Arunco-Abietetum Fajmonová 1984
Calamagrostio arundinaceae-Abietetum Březina et Hadač in Hadač et al. 1969
 (*Calamagrostio arundinaceae-Abietetum* sensu auct. non Horvat 1950)
Calamagrostio variae-Abietetum (Sillinger 1933) Fajmonová 1976
Carici albae-Abietetum Ellenberg et Klötzli 1972
Circae alpini-Abietetum Šomšák 1982
Glechomo hirsutae-Abietetum Hadač 1965
Luzulo-Abietetum Hadač 1965
Mercuriali-Abietetum Hadač 1965
Prenantho-Abietetum albae Březina et Hadač in Hadač et al. 1969

Vaccinio-Pinetalia Scamoni et Passarge 1959

(*Vaccinio-Pinetalia* Scamoni et Passarge 1959)

***Dicrano-Pinion* (Libbert 1932) Matuszkiewicz 1962 nom. cons. propos.**

Dicrano-Pinetum Preising et Knapp in Knapp ex Oberd. 1957
Cladino-Pinetum Juraszek 1927
Festuco-Pinetum Kobendza 1930
Vaccinio myrtilli-Pinetum Juraszek 1927

ROBINIETEA JURKO EX HADAČ ET SOFRON 1980 !!!

Chelidonio-Robinietalia Jurko ex Hadač et Sofron 1980

***Chelidonio-Robinion* Hadač et Sofron 1980**

Chelidonio-Robinietum Jurko 1963
Impatienti parviflorae-Robinietum Sofron 1967
Sambuco nigrae-Robinietum Ščepka 1982 prov.
Solidagini-Robinietum (Wendelberger 1955) Jurko 1963
Urtico dioicae-Robinietum Ščepka 1982 prov.

***Balloto nigrae-Robinion* Hadač et Sofron 1980**

Aristolochio clematidis-Robinietum Ščepka 1982 prov.
Balloto nigrae-Robinietum Jurko 1963
Bromo sterilis-Robinietum Jurko 1963 prov.
Fumario officinalis-Robinietum Ščepka 1982 prov.
Galio aparines-Robinietum Ščepka 1982 prov.
Sambuco nigrae-Aceretum negundo Exner in Exner et Willner 2004

2.8 Synanthropic vegetation

EPILOBIETEA ANGUSTIFOLII R. TX. ET PREISING EX VON ROCHOW 1951

(*Epilobietea angustifolii* R. Tx. et Preising in R. Tx. 1950)

Atropetalia Vlieger 1937

Atropion Br.-Bl. ex Aichinger 1933

Epilobio-Atropetum bellae-donnae R. Tx. 1931

Origano vulgaris-Brometum benekenii Fajmonová 1983

Eupatorium cannabini R. Tx. 1937

Rubo idaei-Sambucetum ebuli Jarolimek et al. 1997

Senecioni-Rubetum guentheri Passarge 1982

Calamagrostis epigeios comm. [Atropion]

Telekia speciosa comm. [Atropion]

***Carici piluliferae-Epilobion angustifolii* R. Tx. 1950 §**

Senecietum fuchsii Kaiser 1926 §

Rubetum idaei Gams 1927

Epilobio angustifolii-Calamagrostietum arundinaceae Hilbig et W. Wagner 1990

(*Epilobio angustifolii-Calamagrostietum arundinaceae* (Šmarda ex Šmarda et al. 1971)

Kliment 1995; non *Digitali ambiguae-Calamagrostietum arundinaceae* Sillinger 1933)

Rubo-Chamaenerietum angustifolii Hadač et al. 1969

Rubo idaei-Calamagrostietum arundinaceae Fajmonová 1986

Senecioni sylvatici-Epilobietum angustifolii R. Tx. 1937

(*Epilobietum angustifolii* Rübel 1930 em. Oberd. 1973) §

Calamagrostietum epigei Juraszek 1928

Avenella flexuosa comm. [*Carici-Epilobion*]

GALIO-URTICETEA PASSARGE EX KOPECKÝ 1969

(*Galio-Urticetea* Passarge 1967)

Lamio albi-Chenopodietalia boni-henrici Kopecký 1969

(*Glechometalia hederaceae* R. Tx. in R. Tx. et Brun-Hool 1975; *Galio-Alliarietalia* Görs et Th. Müller 1969)

Aristolochia clematidis comm. [*Lamio-Chenopodietalia*]

Asclepias syriaca comm. [*Lamio-Chenopodietalia*]

Fallopia japonica comm. [*Lamio-Chenopodietalia*]

Heracleum mantegazzianum comm. [*Lamio-Chenopodietalia*]

Rumex patientia comm. [*Lamio-Chenopodietalia*]

Urtica dioica comm. [*Lamio-Chenopodietalia*]

***Galio-Alliarion* (Oberd. 1957) Lohmeyer et Oberd. in Oberd. et al. 1967 §**

Alliario-Chaerophylletum temuli Lohmeyer 1949

Anthriscetum trichospermi Hejný et Krippelová in Hejný et Krippelová in Hejný et al. 1969

Anthriscu-Asperugetum procumbentis Passarge 1978

(*Bromo sterilis-Asperugetum* Eliáš 1981)

Conio-Chaerophylletum bulbosi Pop 1968

(*Chaerophylletum bulbosi* sensu auct. medioeurop.; non *Chaerophylletum bulbosi* R. Tx. 1937)

Chaerophyllo-Geranietum lucidi Oberd. ex Korneck 1974

Lactu-Anthriscetum caucalidis Mucina et Zaliberová 1986

Physalidetum alkekengi Kaiser 1926 §

Sambucetum ebuli Felföldy 1942

(*Artemisio-Sambucetum ebuli* Eliáš 1979; *Bromo inermis-Sambucetum ebuli* Eliáš 1979; non

Sambucus ebulus A.-F. Kaiser 1926; non *Rubo-Sambucetum ebuli* Jarolimek et al. 1997)

Torilidetum japonicae Lohmeyer ex Görs et Th. Müller 1969

Urtico-Cruciatetum laevipedis Dierschke 1974

Geo urbani-Chelidonietum maji Jarolimek et al. 1997

Veronico sublobatae-Alliarietum petiolatae Jarolimek et al. 1997

(*Alliarietum officinalis* Lohmeyer in Oberd. et al. 1967)

Geranium pyrenaicum comm. [*Galio-Alliarion*]

Impatiens noli-tangere-Stachyion sylvaticae* Görs ex Mucina in Mucina et al. 1993Urtico-Parietarietum officinalis* Segal in Mennema et Segal ex Klotz 1985*Epilobio-Geranium robertianum* Lohmeyer ex Görs et Th. Müller 1969*(Epilobio-Geranium robertianum* Lohmeyer in Oberd. et al. 1974)*Dentario-Salvietum glutinosae* Passarge 1979*Stachyo-Impatiens noli-tangere* (Passarge 1967) Hilbig et al. 1972*(Senecioi fuchsii-Impatiens noli-tangere* R. Tx. in R. Tx. et Brun-Hool 1975)*Campanulo rapunculoidis-Brachypodietum sylvatici* Mucina ex Jarolímek et al. 1997*Carici pendulae-Eupatoriolum cannabini* Hadač et al. 1997*Galio aparine-Impatiens noli-tangere* (Passarge 1967) Hilbig et al. 1972*Lunaria rediviva* comm. [*Impatiens-Stachyion*]***Aegopodium podagrariae* R. Tx. 1967***Aegopodio-Geranium pratensis* Hadač 1978*Aegopodio-Menthetum longifoliae* Hilbig 1972*Agropyro repentis-Aegopodium podagrariae* R. Tx. 1967 em. Neuhäuslová-Novotná et al. 1969*(Urtica dioica-Aegopodium podagraria-As. R. Tx. 1963)**Anthriscetum sylvestris* Hadač 1978*Chaerophylletum aromaticum* Neuhäuslová-Novotná et al. 1969*Arctio tomentosum-Rumicetum obtusifolium* Passarge 1959*(Armoratio-Rumicetum obtusifolium* Passarge 1964; non *Rumicetum sylvestris* Kulczyński 1928)*Sisymbrietum strictissimi* Brandes in Mucina 1993***Rumicetum alpini* Rübel ex Klika in Klika et Hadač 1944 §***Rumicetum alpini* Beger 1922 em. Br.-Bl. 1972***Carduo-Urticium dioicae* Hadač ex Hadač et al. 1969***Aegopodio-Anthriscetum nitidi* Kopecký 1974*Geranio phaei-Urticetum dioicae* Hadač et al. 1969*Carduetum personatae* Hadač et al. 1969*Rumicetum sylvestris* Kulczyński 1928***Convolvulalia sepium* R. Tx. 1950 §***(Calystegiatalia sepium* R. Tx. 1950 corr. Soó 1968)***Senecionium fluviatilis* R. Tx. 1950 §***(Calystegion sepium* R. Tx. 1947; *Convolvulion sepium* R. Tx. 1947)*Cuscuta europaea-Convolvulium sepium* R. Tx. 1947*Aristolochio-Cucubaletum bacciferi* (Kopecký 1969) Passarge 1976*Convolvulo-Epilobietum hirsutum* Hilbig et al. 1972*Convolvulo-Eupatoriolum cannabini* Görs 1974*Senecionetum fluviatilis* Th. Müller ex Straka in Mucina 1993*Aster lanceolatus* comm. [*Senecionium fluviatilis*]*Aster novi-belgii* comm. [*Senecionium fluviatilis*]*Carduus crispus* comm. [*Senecionium fluviatilis*]*Echinocystis lobata* comm. [*Senecionium fluviatilis*]*Fallopia japonica* comm. [*Senecionium fluviatilis*]*Helianthus tuberosus* s. l. comm. [*Senecionium fluviatilis*]*Chaerophyllum bulbosum* comm. [*Senecionium fluviatilis*]*Impatiens glandulifera* comm. [*Senecionium fluviatilis*]*Rubus caesius* comm. [*Senecionium fluviatilis*]*Rudbeckia laciniata* comm. [*Senecionium fluviatilis*]*Solidago canadensis* comm. [*Senecionium fluviatilis*]*Solidago gigantea* comm. [*Senecionium fluviatilis*]*Urtica dioica* comm. [*Senecionium fluviatilis*]**ARTEMISIETEA VULGARIS LOHMEYER ET AL. EX VON ROCHOW 1951***(Onopordetum Br.-Bl. 1964; Agropyreteum repentis* Oberd. et al. 1967)***Onopordetalia Br.-Bl. et R. Tx. ex Klika et Hadač 1944******Onopordion acanthii* Br.-Bl. et al. 1936***Cirsietum eriophori* Oberd. ex Th. Müller 1966*Lapullo echinatae-Cynoglossetum* Klika 1935

Potentillo argenteae-Artemisietum absinthii Faliński 1965
Salvio nemorosae-Marrubietum peregrini Mucina 1981
 (*Marrubio peregrini-Salvietum nemorosae* Eliáš 1981)
Stachyo germanicae-Carduetum acanthoidis Weinert ex Gutte 1966
Sisymbrio orientalis-Xeranthemetum annui Mucina 1992
Carduo nutantis-Resedetum luteolae Sissingh 1950
Lapullo heteracanthae-Onopordetum acanthii Br.-Bl. 1961

Dauco-Melilotion Görs 1966

Berteroetum incanae Sissingh et Tideman in Sissingh 1950
Dauco-Crepidetum rhoeadifoliae Hejný et Grüll in Hejný et al. 1979
Dauco-Picridetum Görs 1966
Echio-Melilotetum R. Tx. 1947
 (*Melilotetum albi-officinale* Sissingh 1950; non *Echio-Verbascetum* Sissingh 1950)
Tanaceto-Artemisietum vulgare Sissingh 1950
 (*Artemisietum vulgare* R. Tx. 1942; *Tanaceto-Artemisietum* Br.-Bl. 1949)
Artemisio-Echinopetum sphaerocephali Eliáš 1978
Erysimi-Galeopsietum angustifoliae Mucina 1982
Epilobio dodonaei-Melilotetum albae Slavík 1978
Artemisio-Oenotheretum rubricaulis Passarge 1977
Centaureo diffusae-Berteroetum Oberd. 1957
Carduo acanthoidis-Onopordetum acanthii Soó ex Jarolímek et al. 1997
 (*Carduo acanthoidis-Onopordetum acanthii* Soó 1945; non *Onopordetum acanthii* Br.-Bl. 1936)
Cerintho-Vicetum villosae Mucina 1992
Odontito-Ambrosietum artemisifoliae Jarolímek et al. 1997
Poo compressae-Tussilaginetum R. Tx. 1931
Dauco-Equisetetum moorei Zlinská 1993
Verbascum densiflorum comm. [*Dauco-Melilotion*]
Bunias orientalis comm. [*Dauco-Melilotion*]
Carduus acanthoides comm. [*Dauco-Melilotion*]
Oenothera biennis comm. [*Dauco-Melilotion*]
Erigeron annuus comm. [*Dauco-Melilotion*]
Geranium robertianum comm. [*Dauco-Melilotion*]
Helianthus tuberosus comm. [*Dauco-Melilotion*]
Lactuca viminea-Artemisia campestris comm. [*Dauco-Melilotion*]
Solidago gigantea comm. [*Dauco-Melilotion*]
Tussilago farfara comm. [*Dauco-Melilotion*]

Arction lappae R. Tx. 1937

Arctietum lappae Felföldy 1942
 (*Leonuro-Arctietum tomentosum* (Felföldy 1942) Lohmeyer in R. Tx. 1950; *Balloto-Leonuretum* von Rochow 1951)
Lamio-Conietum Oberd. 1957
Urtico urentis-Chenopodietum boni-henrici R. Tx. 1937
 (*Arctio-Chenopodietum boni-henrici* Oberd. 1957; *Chenopodietum boni-henrici* Seybold et Th. Müller 1972)
Balloto-Malvetum sylvestris Gutte 1966
Arctio-Artemisietum vulgare Oberd. et al. ex Seybold et Th. Müller 1972
 (*Artemisietum vulgare* Knapp 1948; *Arctio-Artemisietum* Oberd. et al. 1967)
Leonuro-Ballotetum nigrae Slavnić 1951
Hyoscyamo-Conietum maculati Slavnić 1951
 (*Lamio-Conietum maculati* Oberd. 1957; *Conietum maculati* Pop 1968)

Erysimi wittmannii-Hackelion deflexae Bernátová 1986

Arenario serpyllifoliae-Descurainietum sophiae Bernátová 1991
Taraxaco laevigati-Sisymbrietum austriaci Bernátová 1991
Hackelio deflexae-Chenopodietum foliosi Bernátová 1986
 (*Chenopodio foliosi-Lappuletum deflexae* Mucina in Mucina et Maglocký 1985)
Poo nemoralis-Hackelietum deflexae Bernátová 1991

Arabido turratae-Sisybrietum strictissimi Bernátová 1991

Cortuso matthioli-Papaveretum tatrici Bernátová 1991

Lappula squarrosa comm. [*Erysimo-Hackelion deflexae*]

Agropyretalia repentis Görs 1966

***Convolvulo arvensis-Agropyrion repentis* Görs 1966**

Falcario vulgaris-Agropyretum repentis Th. Müller et Görs 1969

Convolvulo-Brometum inermis Eliáš 1979

Melico transsilvanicae-Agropyretum repentis Th. Müller in Görs 1966

Asparago-Chondrilleum juncei Passarge 1978

Lepidio drabae-Agropyretum repentis Th. Müller et Görs 1969

Plantagini-Poetum compressae Jehlik in Hejny et al. 1979

Poetum pratensis-compressae Bornkamm 1974

Poo compressae-Anthemidetum tinctoriae (Th. Müller et Görs 1969) Oberd. 1970

Agrostio tenuis-Hierochloetum repentis Šomšák 1993

Elytrigia repens comm. [*Convolvulo-Agropyrion*]

Saponaria officinalis comm. [*Convolvulo-Agropyrion*]

BIDENTETEA TRIPARTITAE R. TX ET AL. EX VON ROCHOW 1951

(*Bidentetea tripartitae* R. Tx. et al. in R. Tx. 1950)

Bidentetalia tripartitae Br.-Bl. et R. Tx. ex Klika et Hadač 1944

***Bidenton tripartitae* Nordhagen 1940 em. R. Tx. in Poli et J. Tx. 1960**

Alopecuretum aequalis Th. Müller 1975

(*Alopecuretum aequalis* von Soó 1927; *Rumici crispis-Alopecuretum aequalis* Cirtu 1972 p. p. min.)

Bidentetum cernuae Kobendza 1948

Catabroso-Polygonetum hydropiperis Poli et J. Tx. 1960

Leersio-Bidentetum Poli et J. Tx. 1960

Pulicario vulgaris-Bidentetum (Ambroz 1939) Hejny in Hejny et Husák 1978

Rumici maritimi-Ranunculetum scelerati Oberd. 1957

(*Rumicetum maritimi* Sissingh ex R. Tx. 1950)

Rumicetum palustris W. Fischer 1978

Bidenti-Polygonetum hydropiperis Lohmeyer in R. Tx. 1950 §

(*Polygonetum hydropiperis* Passarge 1965; *Polygono lapathifolii-Bidentetum* Klika 1935 p. p.)

Bidenti-Polygonetum mitis R. Tx. 1979

Bidentetum radiatae Jarolímek et al. 1997

***Chenopodion glauci* Hejny 1974**

(*Chenopodion fluviatile* R. Tx. in Poli et J. Tx. 1960; *Chenopodion rubri* Soó 1968)

Polygono brittingeri-Chenopodietum rubri Lohmeyer 1950

(*Chenopodio rubri-Polygonetum brittingeri* Lohmeyer 1950)

Xanthio albini-Chenopodietum rubri Lohmeyer et Walther in Lohmeyer 1950

Chenopodietum rubri Timár 1947

(*Chenopodietum glauco-rubri* Lohmeyer in Oberd. 1957)

Chenopodietum ficifolii Hejny in Hejny et al. 1979

Bidenti-Atriplicetum prostratae Poli et J. Tx. 1960 corr. Gutermann et Mucina 1993

Echinochloo-Polygonetum Soó et Csűrös 1947

Puccinellia distans comm. [*Chenopodion glauci*]

Rumex stenophyllus comm. [*Chenopodion glauci*]

POLYGONO ARENASTRI-POETEA ANNUAE RIVAS-MARTÍNEZ 1975 CORR. RIVAS-MARTÍNEZ ET AL. 1991

Polygono arenastri-Poetalia annuae R. Tx. in Géhu et al. 1972 corr. Rivas-Martínez et al. 1991

(*Potentillo-Polygonetalia avicularis* R. Tx. 1947 p. p. min.)

***Matricario matricarioidis-Polygonion arenastri* Rivas-Martínez 1975 corr. Rivas-Martínez et al. 1991**

(*Polygonion avicularis* Br.-Bl. 1931)

Amarantho deflexi-Polygonetum avicularis Sissingh 1969

- Poetum annuae* Felföldy 1942
Poo annuae-Coronopetum squamati Gutte 1966
 (*Coronopodo-Polygonetum avicularis* Oberd. (1957) 1971)
Sclerochloo-Polygonetum arenastri Soó ex Korneck corr. Mucina 1993
 (*Sclerochloo-Polygonetum avicularis* Soó 1945)
Polygono arenastri-Lepidietum ruderalis Mucina 1993
 (*Lepidietum ruderalis* Dihoru 1977; *Lepidium ruderale*-comm. Mucina et Maglocký 1985)
Matricario-Polygonetum arenastri Th. Müller in Oberd. 1971
 (*Polygonetum avicularis* Gams 1927; *Lolio perennis-Polygonetum avicularis* Br.-Bl. 1930;
Plantagini-Polygonetum avicularis Knapp ex Passarge 1964)
Saginion procumbentis R. Tx. et Ohba in Géhu et al. 1972
Sagino procumbentis-Bryetum argentei Diemont et al. 1940
Veronico serpyllifoliae-Spergularietum rubrae Passarge ex Mucina 1993
Herniarietum glabrae (Hohenester 1960) Jehlik et Hejný 1975

STELLARIETEA MEDIAE R. TX. ET AL. EX VON ROCHOW 1951

(*Stellarietea mediae* R. Tx. et al. in R. Tx. 1950; *Chenopodietea* Br.-Bl. 1951; *Secalietea* Br.-Bl. et al. 1952)

Atriplici-Chenopodietalia albi (R. Tx. 1937) Nordhagen 1940

(*Aperetalia spica-venti* J. et R. Tx. in Malato-Beliz et al. 1960)

Scleranthion annui (Kruseman et Vlieger 1939) Sissingh in Westhoff et al. 1946

(*Aphanion arvensis* J. et R. Tx. in Malato-Beliz et al. 1960)

Spergulo arvensis-Scleranthetum annui Kuhn 1937

(*Alchemillo-Sonchetum arvensis* Passarge in Passarge et Jurko 1975)

Aphano arvensis-Matricarietum chamomillae R. Tx. 1937

Holco-Galeopsietum Hilbig 1965

Myosotido-Sonchetum arvensis Passarge in Passarge et Jurko 1975

Papaveretum argemones (Libbert 1932) Kruseman et Vlieger 1939

Spergulo-Raphanetum Kropáč 1981

Cannabio ruderalis-Silenetum noctiflorae Schubert et al. 1981

Erophilo-Arabidopsietum Kropáč in Krippelová 1981

Apera spica-venti comm. [*Scleranthion annui*]

Consolida-Papaver rhoeas comm. [*Scleranthion annui*]

Galeopsis tetrahit-Sinapis arvensis comm. [*Scleranthion annui*]

Galeopsis-Stellaria media comm. [*Scleranthion annui*]

Panico-Setarion Sissingh in Westhoff et al. 1946

Echinochloo-Setarietum pumilae Felföldy 1942 corr. Mucina 1993

Stachyo annui-Setarietum pumilae Felföldy 1942 corr. Mucina 1993

Oxalidion europeae (Görs 1967) Passarge 1978

Panico-Chenopodietum polyspermi R. Tx. 1937

Centaureetalia cyani R. Tx. et al. ex von Rochow 1951

Caucalidion lappulae (R. Tx. 1950) von Rochow 1951 §

Consolido-Anthemidetum austriacae Kropáč et Mochnacký 1990

Euphorbio exigue-Melandrietum noctiflori G. Müller 1964

Kickxio spuriae-Euphorbietum falcatae Kropáč 1974 prov. ?

Lathyro-Avenetum fatuae Passarge in Passarge et Jurko 1975

Lathyro tuberosi-Adonidetum aestivalis Kropáč et Hadač in Kropáč et al. 1971

Rhinantho-Avenetum fatuae Passarge in Passarge et Jurko 1975

Consolida regalis-Stachys annua comm. [*Caucalidion*]

Euphorbia exigua-Stachys annua comm. [*Caucalidion*]

Sherardion arvensis Kropáč et Hejný in Kropáč 1978

Aethuso-Galeopsietum G. Müller 1964

Consolida regalis-Misopatetum Kropáč et Hejný 1975

Misopateto-Galeopsietum ladani Hejný in Kropáč et Hejný 1975

Veronico-Euphorbion Sissingh ex Passarge 1964

Valerianello-Thlaspietum perfoliati Kropáč et Hadač in Kropáč et al. 1971

Euphorbio helioscopiae-Veronicetum persicae Passarge in Passarge et Jurko 1975 em. Jarolímeck et al. 1997

Setario viridis-Veronicetum politae Oberd. 1957

Veronicetum trilobae-triphyllidi Slavnić 1951

#*Veronica politae-Taraxacion* Kropáč et Hadač in Kropáč et al. 1971 ?

***Lolio remotae-Linetalia* J. et R. Tx. in Lohmeyer et al. 1962**

#*Lolio remotae-Linon* J. Tx. 1966 ?

***Sisymbrietalia* J. Tx. in Lohmeyer et al. 1962**

Tripleurospermum perforatum comm. [*Sisymbrietalia*]

Atriplex patula comm. [*Sisymbrietalia*]

Geranium pusillum comm. [*Sisymbrietalia*]

Amaranthus retroflexus comm. [*Sisymbrietalia*]

Sinapis arvensis comm. [*Sisymbrietalia*]

***Malvion neglectae* (Gutte 1966) Hejný 1978**

Chenopodietum urbici Soó ex Jarolímek et al. 1997

(*Chenopodietum urbici* Kopecký 1981)

Malvo neglectae-Chenopodietum vulvariae Gutte 1966

(*Chenopodietum vulvariae* Gutte et Pyšek 1976)

Hyoscyamo nigri-Malvetum neglectae Aichinger 1933

(*Malvetum neglectae* Felföldy 1942; *Daturo-Malvetum neglectae* Lohmeyer in R. Tx. 1950)

Malvetum pusillae Morariu 1943

Matricario-Anthemitetum cotulae Dihoru ex Mucina 1987

Polygono arenastri-Chenopodietum muralis Mucina 1987

(*Chenopodietum muralis* Slavnić 1951)

Matricarietum discoideae-recutitae Jarolímek et al. 1997

Xanthietum spinosi Felföldy 1942

Chenopodio-Xanthietum strumarii Timár 1950

Solanum nigrum comm. [*Malvion neglectae*]

***Atriplicion nitentis* Passarge 1978**

(*Atriplicion tataricae* Gutte 1973; *Atriplici-Sisymbriion* Hejný 1978 p. p. min.)

Cynodonto-Atriplicetum tataricae Morariu 1943

(*Atriplicetum tataricae* Prodan 1923; *Sisymbrio-Atriplicetum tataricae* Grüll 1971)

Sisymbrio-Atriplicetum nitentis Oberd. ex Mahn et Schubert 1962

(*Atriplicetum nitentis* Knapp 1945; *Sisymbrio-Atriplicetum nitentis* Oberd. 1957; *Atriplicetum acuminatae* sensu auct.)

Chenopodietum stricti (Oberd. 1957) Passarge 1964

(*Chenopodietum ruderales* Oberd. 1957; *Chenopodietum stricti* Oberd. in Oberd. et al. 1967)

Sisymbrio-Atriplicetum oblongifoliae Oberd. 1957

Bromo tectorum-Sisymbrietum orientalis Eliáš 1979

Kochietum densiflorae Gutte et Klotz 1985

(*Kochietum scopariae* Dihoru 1977; *Kochia scoparia*-comm. Mucina et Maglocký 1985)

Cannabidietum ruderalis Fijałkowski 1967

Artemisietum annuae Fijałkowski 1967

Ivaetum xanthiifoliae Fijałkowski 1967

***Sisymbriion officinalis* R. Tx. et al. in R. Tx. 1950 §**

(*Bromo-Hordeion murini* Hejný 1978; *Atriplici-Sisymbriion* Hejný 1978 p. p. max.)

Capsello-Descurainietum sophiae Mucina 1993

(*Lepidio-Sisymbrietum sophiae* Passarge 1964; *Descurainietum sophiae* sensu auct.)

Elymo repentis-Sisymbrietum loeselii Mucina 1993

(*Sisymbrietum sophiae* Kreh 1935; *Sisymbrietum loeselii* Fijałkowski 1978; *Sisymbrietum loeselii* (Kreh 1935) Gutte in Rostański et Gutte 1971)

Sisymbrietum altissimi Bornkamm 1974

(*Lactuco-Sisymbrietum altissimi* Lohmeyer in R. Tx. 1955)

Erigeronto-Lactuocetum serriolae Lohmeyer in Oberd. 1957 em. Mucina 1978

(*Conyzo-Lactuocetum* sensu auct. non Holzner 1972)

Hordeetum murini Libbert 1933

(*Bromo sterilis-Hordeetum murini* R. Tx. 1950; *Hordeetum murini* Allorge 1922)

Linario vulgaris-Brometum tectorum Knapp 1961

(*Bromo-Erigerontetum* (Knapp 1961) Gutte 1966; non *Brometum tectorum* Bojko 1933)

Galio aparines-Cardarietum drabae Eliáš 1986

Brometum sterilis Görs 1966

Sisymbrium officinale comm. [*Sisymbrium*]

Aegilops cylindrica comm. [*Sisymbrium*]

Ambrosia artemisiifolia comm. [*Sisymbrium*]

Eragrostietalia J. Tx. ex Poli 1966

Carex hirta comm. [*Eragrostietalia*]

Eragrostion R. Tx. ex Oberd. 1954

Hibisco-Eragrostietum Soó ex Timár 1957

Portulacetum oleraceae Felföldy 1942

Tribulo-Tragetum Soó et Timár 1955

Salsolion ruthenicae Philippi 1971

Setario-Plantaginetum indicae Passarge 1988

(*Plantaginetum indicae* Philippi 1971; non *Plantagini indicae-Senecietum viscosi* Eliáš 1986)

Bromo-Corispermetum leptopteri Sissingh 1950

Chenopodietum botryos Sukopp 1971

Panicetum capillaris Mititelu et Roman 1988

(*Panicetum capillaris* Eliáš 1979)

Psyllium arenarium-Tragus racemosus comm. [*Salsolion ruthenicae*]

Salsola australis comm. [*Salsolion ruthenicae*]

Eragrostio-Polygonion arenastri Couderc et Izco ex Čarni et Mucina 1997

Eragrostio-Polygonetum arenastri Oberd. 1954 corr. Mucina 1993

(*Eragrostio-Polygonetum avicularis* Oberd. 1954)

Polygono-Portulacetum oleraceae Eliáš 1986

(non *Portulacetum oleraceae* Felföldy 1942)

Polygono arenastri-Amarantheum crispum Vicol et al. 1971

(*Amarantheum crispum* Mititelu 1972)

Eragrostio poaeoidis-Amarantheum albi Morariu 1943

Lolio-Cynodontetum dactyli Jarolimek et al. 1997

(*Cynodonto-Plantaginetum* (Gams 1927) Brun-Hool 1962)

Conyzo-Cynodontetum dactyli Eliáš 1979

Convolvulo arvensis-Bothriochloetum ischaemii Jehlík et Dostálek 1989

Setario viridis-Erigeronetum canadensis Šomšák 1976

Vegetation of Slovakia

Diagnostic, constant and dominant species of the higher vegetation units of Slovakia

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Vegetation of Slovakia



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Diagnostic, constant and dominant species of the higher vegetation units of Slovakia. Ivan Jarolímek, Jozef Šibík

This study represents the statistical revision of phytosociological data stored in the Slovak national vegetation database SNVD. The affinities of vascular plants, bryophytes and lichens occurring in Slovakia to the major syntaxa (alliances and classes) are calculated using a statistically defined coefficient of fidelity. In addition, constant and dominant taxa of particular syntaxa are identified. A revised list of syntaxa (vegetation units) of Slovakia is also presented.

The evaluation of vegetation units by sharpness and uniqueness criteria allows us to identify well delimited alliances and classes or to point out those, for which delimitation is problematic and which are more difficult to define by statistical principles. The syntaxonomical revision and delimitation of some units with low values of sharpness and uniqueness should be considered in future.

The presented results are important not only for scientists (botanists, zoologists, and ecologists), but also for nature conservation institutions. They represent a valuable and essential source of floristic data on the occurrence of vascular and non-vascular plants in plant communities with specific environmental characteristics.

Predložená štúdia predstavuje štatistickú revíziu dát uložených v slovenskej národnej vegetačnej databáze SNVD. Pomocou štatisticky determinovaného koeficientu fidelity bola stanovená väzba určitých diagnosticky významných taxónov cievnatých rastlín, machorastov a lišajníkov na vyššie syntaxóny zväzy a triedy, vyskytujúce sa na Slovensku. Okrem diagnostických taxónov boli stanovené aj druhy konštantne sa vyskytujúce v jednotlivých vyšších syntaxónoch a druhy dominantné. Súčasťou publikácie je tiež aktuálny zoznam vegetačných jednotiek Slovenska.

Zhodnotenie vegetačných jednotiek pomocou kritérií vyhranosti a jedinečnosti umožnilo odlišenie lepšie a horšie vymedzených zväzov a tried tu prezentovaného fytoecologického systému a určenie problematicky vymedziteľných jednotiek pomocou štatisticky definovaných pravidiel. Pri niektorých zväzoch a triedach s nízkymi hodnotami vyhranosti a jedinečnosti by mohla byť zväzená revízia ich vymedzenia a postavenia v syntaxonomickom systéme.

Veríme, že predkladaná práca pomôže fytoecológom pri generovaní syntaxonomických hypotéz a pri následných overovacích štúdiách a zároveň posluží ako vhodná príručka a porovnávaci etalón pre ostatných botanikov, zoológov, ekológov, pedagógov a študentov na prírodovedne zameraných univerzitách a v ochranárskej a lesníckej praxi.

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