



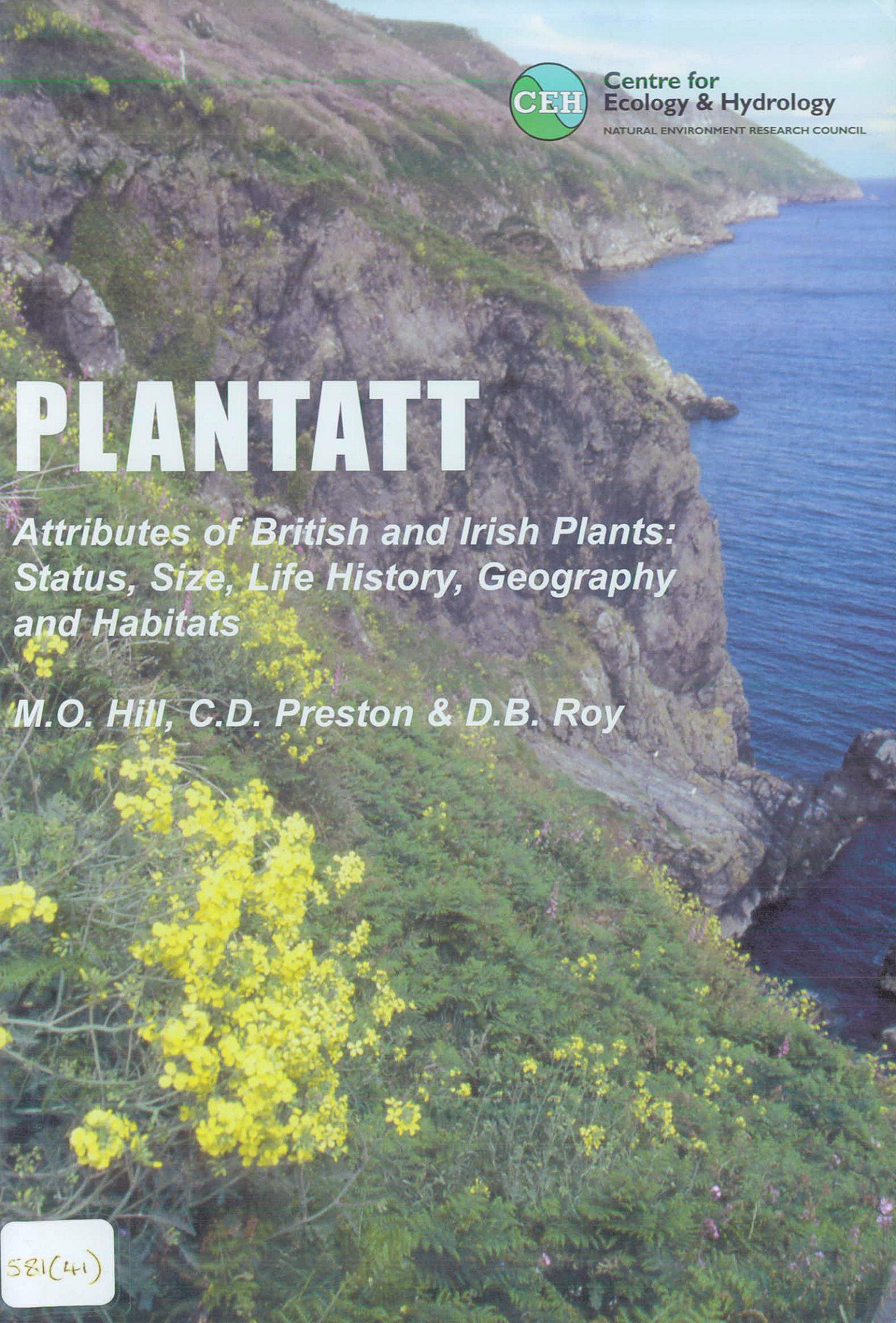
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PLANTATT

*Attributes of British and Irish Plants:
Status, Size, Life History, Geography
and Habitats*

M.O. Hill, C.D. Preston & D.B. Roy



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PLANTATT

Attributes of British and Irish Plants: Status, Size, Life History, Geography and Habitats

for use in connection with the
New atlas of the British and Irish flora

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NERC Centre for Ecology and Hydrology

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Cover photograph shows the endemic plant Coincyia wrightii on the cliffs of Lundy (courtesy of Roger Key, English Nature).

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INTRODUCTION

In the course of our research on geographical distributions and climate change, we have frequently wanted to characterize the plants that constitute the wild flora of Britain and Ireland. Several sources of information were available, including the *Electronic Comparative Plant Ecology* (Hodgson et al., 1994), the Czech clonal plant database *Cloplal* (<http://www.butbn.cas.cz/klimes/cloplal.htm>), the BSBI database (<http://www.bsbi.org.uk/html/database.html>), the *Ecoflora* database (Fitter & Peat, 1994), and the indicator values of *Ellenberg* (Ellenberg et al., 1991). Inevitably, these sources were not sufficient for our purposes, and we have gradually assembled our own set of attribute data, linked to the database of the Biological Records Centre (BRC).

The establishment of the National Biodiversity Network (NBN) provided an additional stimulus to the assembling of attribute data, offering a suitable platform for online searches for species attributes. Some of the information published here is also available from the NBN gateway (www.searchnbn.net). In 2002, the publication of the *New Atlas of the British and Irish Flora* (Preston, Pearman & Dines, 2002), together with results of a companion project to analyse change (Preston, Telfer et al., 2002), allowed us to complete the dataset that is presented here.

The dataset is partly old and partly new (Table 1). Biogeographic elements and Ellenberg values are taken with few modifications from earlier publications (Preston & Hill, 1997, 1999; Hill et al., 1999). Information that depends directly on the *New Atlas* is either new or (Change Index) is taken from the text of the *New Atlas*. Data on the Broad Habitats of plants are mostly drawn from an unpublished report (Preston et al., 2003). Information on plant height, perennation, life form and clonal growth was assembled from a variety of floras and monographs, with some personal observation; it is a new compilation. Further details of these attributes are provided in the following pages. The attribute categories are tabulated (Tables 2-13), with the number of taxa in each category listed in the column 'N='.

Table I. Attributes, codes and names listed as columns in PLANTATT

Column name	Abbre-viation	Source or other comment
(a) Status and taxonomic		
Taxon name		Name in current flora (Stace, 1997)
Family	Fam	Stace (1997)
Native status	NS	New Atlas (Preston et al., 2002)
Conservation status	CS	Cheffings (2004)
Rarity status	RS	Calculated from New Atlas data
Change Index	Chg	New Atlas (Preston et al., 2002)
(b) Size and life form		
Height (terrestrial)	Hght	Several sources, listed below
Length (aquatic)	Len	Several sources, listed below
Perennation	P1, P2	Mainly Clapham, Tutin & Warburg (1962)
Life form	LFI, LF2	Clapham et al. (1962), heavily revised
Woodiness	W	Mainly Clapham et al. (1962)
Clonal spread	Clone1, Clone2	Sources are listed below; clone2 is mainly blank
(c) Geography & climate		
Major Biome (European distribution)	E1	Part of biogeographic element according to Preston & Hill (1997)
Eastern limit code	E2	Part of biogeographic element according to Preston & Hill (1997)
Continentiality in Europe	C	Preston & Hill (1997) plus additions
Origin of alien taxa	Origin	New Atlas (Preston et al., 2002)
Number of 10-km squares in Britain (including Isle of Man)	GB	New Atlas (Preston et al., 2002)
Number of 10-km squares in Ireland	IR	New Atlas (Preston et al., 2002)
Number of 10-km squares in Channel Islands	CI	New Atlas (Preston et al., 2002)
January mean temperature	Tjan	Calculated from New Atlas plus climatic data
July mean temperature	Tjul	Calculated from New Atlas plus climatic data
Annual precipitation	Prec	Calculated from New Atlas plus climatic data
(d) Habitat		
Coastal	Co	Calculated from New Atlas plus Ellenberg salt value
Broad Habitats	Br Habitats	Preston et al. (2003), plus previously unreported data for aliens
Ellenberg indicator value	L, F, R, N, S	Hill et al. (1999)

SPECIES, FAMILIES, STATUS AND CHANGE

Species and families

The list of 1885 taxa includes all native British and Irish species, as well as natives of the Channel Islands not known from Britain or Ireland. There are no species restricted to the Isle of Man. All archaeophyte species are included, plus a number of well-established neophytes. A small number of subspecies, hybrids and aggregate species are also included. The number of taxa has been slightly increased from the 1791 that were listed for Ellenberg indicator values (Hill et al., 1999). Most of the additions are of neophytes, which, following the New Atlas (Preston et al., 2002), we now think to be sufficiently common or potentially interesting to be included.

The names of families have been abbreviated to four letters and follow Stace (1997).

Native/alien status

Species of uncertain status are classified as 'native or alien'. Introduced species have been classified as *archaeophytes*, *neophytes* and *casuals* (Preston et al., 2002). Both archaeophytes and neophytes are introduced species which are present in the wild as naturalized populations, that is they are spreading vegetatively or reproducing effectively by seed. An archaeophyte is a plant that became naturalized before AD 1500. A neophyte is one that was first introduced after 1500, or was only present as a casual before 1500 and is naturalized now only because it was reintroduced subsequently. In contrast to archaeophytes and neophytes, a casual is a plant that is present only as populations which fail to persist in the wild for periods of more than approximately five years. Such a species is dependent on constant reintroduction (Macpherson et al., 1996).

Hybrids between two alien parents which were introduced to the wild as hybrids (e.g. *Crocosmia x crocosmiiflora*, *Euphorbia x pseudovirgata*) are classified as neophytes. Only hybrids between which have been formed spontaneously in the wild between two alien parents are classified as 'AX'.

Conservation status

The conservation status of plants is coded according to the system proposed by Hodgetts, Palmer & Wigginton (1996); see also Palmer et al. (1997). This status is an assessment of threat rather than rarity, although closely related to rarity in that only species known at the time of the assessment in less than 101 10-km squares have been allocated to one of the categories listed. The status listed is that given by Cheffings (2004). This replaces the statuses provided in the Red Data Book (Wigginton, 1999) and Scarce plants in Britain (Stewart, Pearman & Preston, 1994). Cheffings assigns a conservation status to native species and archaeophytes, with only a few exceptions. PLANTATT cannot be used to provide a complete list of threatened taxa as many subspecies listed by Cheffings are not treated separately by us.

Rarity status

Rarity status is based on counts of the number of 10-km squares in Britain and the Isle of Man in which the plant was recorded as a native in the period 1987-1999. Rare plants are those recorded in 1-15 10-km squares during this period; scarce plants are recorded in 16-100. The thresholds were those that were used in defining rare and scarce species for the Red Data Book and Scarce plants. Rarity status, however, is solely a measure of rarity rather than threat, and is based on data from the New Atlas. Cheffings assigns a conservation status to native species and archaeophytes, with only a few exceptions. PLANTATT cannot be used to provide a complete list of threatened taxa as many subspecies listed by Cheffings are not treated separately by us.

Alien species have by definition no native records, and therefore are not given a rarity status.

Table 2. Native status, Conservation status and Rarity status

Attribute and codes	N=	Explanation
(a) Native status		
AC	12	Alien casual; many are crop plants
AN	259	Neophyte, alien introduced after 1500
AR	151	Archaeophyte, alien introduced before 1500
AX	1	Spontaneous hybrid between two alien parents
N	1362	Native, not endemic
NA	46	Native or alien (native status doubtful)
NE	47	Native endemic
NH	7	Spontaneous hybrid between two native parents
(b) Conservation status		
CR	20	Critically endangered
DD	1	Data deficient
EN	34	Endangered
EW	4	Extinct in the wild
EX	10	Extinct
VU	119	Vulnerable
(c) Rarity status		
n	933	Present, not rare or scarce
r	234	Rare (1-15 10-km squares in Britain, 1987-1999)
s	254	Scarce (16-100 10-km squares in Britain, 1987-1999)
o	27	Absent from Britain and Isle of Man as a native, but native in Ireland or the Channel Islands
x	12	Apparently extinct (not recorded since 1986)
i	2	Insufficient data available to assess rarity
(blank)	423	Alien taxa
(d) Change Index		
(values)		Change between 1930-1960 and 1987-1999

Change Index

The Change Index (Telfer et al., 2002) measures the relative magnitude of change, comparing the period 1930-1960 with 1987-1999. It is explained in more detail in the Appendix. It ranges from -4.78 for the critically endangered *Galium tricornutum* to 4.70 for the much more frequently recorded *Prunus laurocerasus*. The Change Index has not been calculated for species not included in the first *Atlas of the British Flora* (Perring & Walters, 1962). Consequently, several aliens such as *Amsinckia micrantha* and *Crassula helmsii*, which have increased spectacularly in the intervening period, lack a value for the Change Index.

SIZE AND LIFE HISTORY ATTRIBUTES

Height and length

Heights, measured in centimetres, are given for terrestrial (or emergent) plants and lengths (cm) for submerged aquatic plants. A few amphibious or emergent plants such as *Persicaria amphibia* are scored for both height and length.

These values are intended as a general indication of the size of the plant. For procumbent plants, heights are an indication of the height of the less procumbent shoots. For scapose plants and ferns, heights are not stem lengths but leaf lengths. Likewise, lengths for isoetids (i.e. linear-leaved rosette-forming rooted aquatics) are in fact leaf lengths. For example *Lobelia dortmanna* has length 4 cm, which is certainly not the length of the scape.

Height and length values were drawn from a variety of sources, which are detailed in the Appendix.

Perennation

The categories are annual, biennial and perennial. Biennial is used as a shorthand to denote also monocarpic perennials. For example *Carlina vulgaris* and *Heracleum mantegazzianum* normally take several years to reach maturity but are categorized as biennials. The sources of data for perennation are mostly the same as those used for height and length. In a few cases (e.g. *Linum catharticum*), we have relied on personal communication and scientific papers rather than floras.

A relatively small number of species fall into more than one of these categories. The secondary category is intended to be either less frequent or equally frequent. Thus *Poa annua* has primary perennation category P1=annual and secondary category P2 = perennial. Several floras suggest that *Cardamine flexuosa* and *Montia fontana* can be annual, biennial or perennial. These have been coded as P1 = p, P2 = a and P1 = a, P2 = p respectively.

Life form

The Raunkiaer system of life forms was set out by Clapham, Tutin & Warburg (1962), who listed life forms for most species. Their assignments provide an excellent starting point but contain numerous inconsistencies. Life forms have been fully revised for PLANTATT. Following German and Swiss authors (e.g. Lindacher, 1995), the category of helophytes or marsh plants has been omitted. The majority of these can grow in places that are not permanently flooded in winter. The position of the overwintering buds in such situations is taken as a guide to their life form. An additional life form of annual water plants has been added, so that the category therophytes are all terrestrial.

As with perennation, a secondary life form is given for some species. Details of how life forms were assigned and the relation of life form to plant height are given in the Appendix.

Woodiness

Woodiness is an attribute that applies to some chamaephytes, nanophanerophytes and phanerophytes. All other life forms are treated as herbaceous. Three categories are recognized, woody, semi-woody and herbaceous. Although we have been guided in part by Clapham, Tutin & Warburg (1962), we have not hesitated to express our own opinions where these differ.

Table 3. Size and life history attributes other than clonality; counts of primary attributes are in the column N1=, counts of secondary attributes are in N2=

Attribute or code	N1=	N2=	Explanation
(a) Height (cm)	Hght		Height (leaf length for scapose plants and ferns)
(b) Length (cm)	Len		Length (aquatic plants; leaf length for isoetids)
(c) Perennation	P1	P2	Primary and secondary type of perennation
a	455	14	Annual
b	96	14	Biennial, including monocarpic perennials
p	1334	42	Perennial
(d) Life form	LF1	LF2	Primary and secondary life form (see Table A1)
Ch	148	24	Chamaephyte
Gb	32		Bulbous geophyte
Gn	134	11	Non-bulbous geophyte (rhizome, corm or tuber)
hc	811	50	Hemicryptophyte
Hy	124	34	Perennial hydrophyte (perennial water plant)
Hz	25	1	Annual hydrophyte (aquatic therophyte)
Ph	108	15	Mega-, meso- and microphanerophyte
Pn	73	21	Nanophanerophyte
Th	430	14	Therophyte (annual land plant)
(e) Woodiness	W		
h	1651		Herbaceous
sw	27		Semi-woody
w	207		Woody

Clonality

Clonal growth is defined here as vegetative reproduction combined with lateral spread. Like perennation, clonality may have more than one value for a given species, reflecting the various ways in which clonal growth may occur. In some species there are varieties with clonal growth (*Arrhenatherum elatius* var. *bulbosum*, *Caltha palustris* var. *radicans*) while the normal form is not markedly clonal. In these two species, the variety with clonal growth is less frequent than the type variety, so that both plants are given **Clone1 = 0** (not spreading clonally) as the primary state, whereas **Clone2 = DRg** and **Stol2** respectively. Two species with proliferous inflorescences really ought to have been assigned to three categories, namely *Juncus bulbosus* (**Node2**, **Irreg** and omitted **DRi**) and *Butomus umbellatus* (**Rhiz2**, **DRg** and omitted **DRi**). It did not seem worth having a third column just for these two, so the inflorescence character has been omitted.

Table 4. Categories of clonality; counts of primary attributes are in the column N1=, counts of secondary attributes are in N2=

Attribute or code	N1=	N2=	Explanation
(f) Clonality	Clone1	Clone2	
0	1228		Little or no vegetative spread
0gr	25		Tussock-forming graminoid, may slowly spread
0tb	26		Tuberous or bulbous, slowing cloning by offsets
DRa	20	10	Detaching ramets above ground (often axillary)
DRg	4	16	Detaching ramets at or below ground
DRi		11	Detaching ramets on inflorescence
DRI		1	Detaching ramets on leaves (<i>Hammarbya</i>)
DRp		1	Detaching ramets on prothallus (<i>Trichomanes</i>)
Frag	7		Fragmenting as part of normal growth
Irreg	38	17	Irregularly fragmenting (mainly water plants)
Leaf		1	Plantlets formed on leaves (<i>Cardamine pratensis</i>)
Node1	19	20	Shortly creeping and rooting at nodes
Node2	76	9	Extensively creeping and rooting at nodes
Rhiz1	152	8	Rhizome shortly creeping
Rhiz2	209	15	Rhizome far-creeping
Root	37	3	Clones formed by suckering from roots
Stol1	14		Shortly creeping, stolons in illuminated medium
Stol2	26	5	Far-creeping by stolons in illuminated medium
Tip	5		Tip rooting (the stems often turn downwards)

The following comments may be helpful in distinguishing the clonal categories.

1. The category **0gr** is rather poorly defined. If a perennial graminoid (grass, sedge or rush) is repeatedly mown or heavily grazed, it may gradually form clones, even though this is not the normal condition.
2. The category **0tb** assumes that the ground is little disturbed. If there is regular disturbance, the offsets will be dispersed to new sites and the plant would then be indicated as **DRg** (detaching ramets at or below ground).
3. The small category **Frag** applies to duckweeds and *Azolla*.
4. The categories **Node** (creeping and rooting at nodes), **Rhiz** (rhizomatous or with subterranean stolons) and **Stol** (stoloniferous in the illuminated medium, either air or water) are divided into two, according to whether they spread a short distance in a season or are far-creeping. For rhizomatous plants, a rule of thumb is that a species whose new shoots arise at a distance less than a quarter of the height of the plant is shortly creeping,

while those that spread further are deemed to be far-creeping. Analogous distinctions are made for **Node** and **Stol**.

5. The distinction between **Node** and **Stol** is that in **Node** the horizontal or decumbent stem extends with indeterminate growth, rooting at the leafy nodes and not forming a new stem axis at each rooted position. In **Stol**, a new stem axis normally arises at the point of rooting, or the stolon is determinate, bending upwards and not progressing with indeterminate growth.
6. In the tip-rooting category, **Tip**, leafy stems that are not obviously stolons turn down at the apex and root there.

GEOGRAPHIC ATTRIBUTES

European and wider distributions, and continentality

The categorization of taxa to biogeographic elements and their designation as 'continental' or otherwise (Table 5) follow Preston & Hill (1997), with minor revisions and the addition of the hyperoceanic category from a subsequent paper (Preston & Hill, 1999). Elements are provided for native species and some archaeophytes; for archaeophytes the classification describes the archaeophytic range. In addition, some but not all alien species originating in Europe have also been assigned to biogeographic elements for PLANTATT and designated as continental. Geographic attributes are not provided for some hybrids.

Table 5. European and wider distribution, and continentality

Attribute and codes	N=	Explanation
(a) E1		Biogeographic element, major biome
1	82	Arctic-montane (main distribution in tundra or above tree-line in temperate mountains)
2	39	Boreo-arctic montane (in tundra and coniferous forest zones)
3	22	Wide-boreal (from temperate zone to tundra)
4	120	Boreal-montane (main distribution in coniferous forest zone)
5	244	Boreo-temperate (in conifer and broadleaf zones)
6	45	Wide-temperate (from Mediterranean region to coniferous forest zone)
7	621	Temperate (in broadleaf forest zone)
8	312	Southern-temperate (in Mediterranean region and broadleaf forest zones)
9	136	Mediterranean-atlantic (in Mediterranean region, and extending north in atlantic zone of temperate Europe)
0	15	Mediterranean (native range of some aliens)
(b) E2		Biogeographic element, eastern limit category
0	17	Hyperoceanic, with a western distribution in atlantic zone
1	207	Oceanic (in atlantic zone of Europe, not or scarcely reaching east to Sweden, Germany or S Spain)
2	148	Suboceanic (extending east to Sweden, C Europe or Italy)
3	577	European (extending to more continental parts of Europe but not to Siberia)
4	308	Eurosiberian (eastern limit between 60°E and 120°E)
5	114	Eurasian (extending across Asia to east of 120°E)
6	265	Circumpolar (in Europe, Asia and N America)
(c) C		Continentality
c	111	Species marked c are 'continental', i.e. they are rare in the atlantic zone of Europe but commoner further east

Native distribution of species alien in Britain and Ireland

The native distribution of aliens (Table 6) is taken from the New Atlas. This information is provided for neophytes and some archaeophytes. In Table 6, taxa present in two areas are included in both totals but taxa are excluded from the totals if they are only doubtfully native in the relevant area.

Table 6. Native distribution of species alien in Britain and Ireland

Code	N=	Explanation
Am	24	North America
Am4	22	Western North America
Am6	5	Eastern North America
As	10	Asia east of 60°E
As1	24	Asia between 60°E and 120°E
As2	9	Asia E of 120°E
Aus	3	Australia
Crop	15	Crop plant, does not have a native range
Eur	149	Europe
Gard	13	Garden origin, does not have a native range
NHem	6	N Hemisphere (Europe, Asia and North America)
NZ	4	New Zealand
SAf	5	Southern Africa
·SAM	20	South America and/or Central America
Unk	10	Unknown

Counts of 10-km squares in the New Atlas

For each taxon, the number of 10-km squares in Britain, Ireland and the Channel Islands is enumerated (Table 7). For most natives, only the native distribution has been counted (blue dots in the New Atlas). For the small number of native species in which it proved impossible even to attempt to delimit the native range in the New Atlas, the count is for all squares. For alien taxa, all squares with records have been counted. Squares have been counted without regard to date, so that *Otanthus maritimus*, extinct in Britain, is recorded from 23 squares there.

Table 7. Counts of squares and climatic means

Attribute	Min	Max	Explanation
(a) Counts			<i>Counts of 10-km squares</i>
GB	0	2805	Great Britain and Isle of Man
IR	0	985	Ireland
CI	0	14	Channel Islands
(b) Climatic means			<i>Mean values for 10-km squares</i>
Tjan	-1.3	7.0	January mean temperature (°C)
Tjul	10.4	17.0	July mean temperature (°C)
Prec	553	3218	Annual precipitation (mm)

Climatic means

Climatic values for plants were calculated as the mean climate of the 10-km squares where they occur in Britain, Ireland and the Channel Islands, averaging over the squares enumerated for the counts. Climate data for 10-km squares were taken from baseline climate summaries of the UK Climate Impacts Programme (Hulme & Jenkins, 1998). These baseline summaries were constructed by interpolation of daily weather measurements from individual met stations, averaged over the 30-year period 1961-1990 (Barrow et al., 1993).

HABITAT ATTRIBUTES

Coastal species

Species are deemed to be coastal if 80% of occupied squares are on the coast and if they depend on coastal habitat. Most coastal species have Ellenberg salt values (S values, defined below) greater than 0. Those with Ellenberg S = 0 were scrutinized carefully to ascertain whether their habitat was indeed coastal.

Broad Habitats

The preferences of species for Broad Habitats of the UK BAP are listed in the column labelled *Br Habitats*. Species' main habitat(s) are listed. No species is deemed to have a preference for more than four habitats. Minor habitats are ignored. For more information about Broad Habitats and species' preferences, refer to the Appendix.

Table 8. Coastal species and preferences for Broad Habitats

Attribute and codes	N=	Explanation
(a) Co		<i>Coastal species</i>
Co	145	At least 80% of occupied squares contain sea at high tide
(b) Br Habs		<i>Broad Habitats</i>
1	310	Broadleaved, mixed and yew woodland
2	32	Coniferous woodland
3	543	Boundary and linear features (eg hedges, roadsides, walls)
4	198	Arable and horticultural (includes orchards, excludes domestic gardens)
5	22	Improved grassland
6	163	Neutral grassland (includes coarse <i>Arrhenatherum</i> grassland)
7	218	Calcareous grassland (includes lowland and montane types)
8	89	Acid grassland (includes non-calcareous sandy grassland)
9	10	Bracken
10	83	Dwarf shrub heath (cover of dwarf shrubs at least 25%)
11	254	Fen, marsh and swamp (not wooded; includes flushes, rush-pastures, springs and mud communities)
12	41	Bog (on deep peat; includes bog pools as well as acid lowland valley mires on slightly shallower peat)
13	174	Standing water and canals
14	149	Rivers and streams
15	103	Montane habitats (acid grassland and heath with montane species)
16	292	Inland rock (heterogeneous - includes quarries, limestone pavement, cliffs, scree and skeletal soils over rock)
17	231	Built-up areas and gardens
18	74	Supralittoral rock (does not include maritime grassland)
19	135	Supralittoral sediment (strandlines, shingle, coastal dunes)
21	65	Littoral sediment (includes saltmarsh and saltmarsh pools)
23	1	Inshore sublittoral sediment (only <i>Zostera marina</i>)

Ellenberg's indicator values

Ellenberg defined seven major scales, of which five are presented here. The two that are omitted, T (temperature) and K (continents), correspond quite closely to the major biome and eastern limit categories defined for European distributions by Preston & Hill (1997). Neither T nor K values are satisfactory in an oceanic climate such as that of Britain; those for K are particularly unreliable, especially as Ellenberg's definition was geographical rather than climatic.

The five remaining scales have values defined in the tables that follow. The values are based on those of Ellenberg *et al.* (1991). They are mostly reproduced from a previous publication (Hill *et al.*, 1999), with some additions because of the extra species included here. A few example species are given for each value, by way of explanation.

Light values (L)

The full range of Ellenberg values for light (Table 9) is not represented in the British flora. For canopy trees, light values refer to the tolerance of the sapling stage of the life cycle.

Table 9. Ellenberg values for light (L)

Code	N=	Explanation
1	0	Plant in deep shade (no examples for Britain or Ireland)
2	4	Between 1 and 3 (<i>Epipogium aphyllum</i> , <i>Neottia nidus-avis</i> , <i>Trichomanes speciosum</i>)
3	20	Shade plant, mostly less than 5% relative illumination, seldom more than 30% illumination when trees are in full leaf (<i>Galium odoratum</i> , <i>Listera cordata</i> , <i>Mercurialis perennis</i>)
4	70	Between 3 and 5 (<i>Circaeа lutetiana</i> , <i>Lamiastrum galeobdolum</i> , <i>Poa nemoralis</i>)
5	120	Semi-shade plant, rarely in full light, but generally with more than 10% relative illumination when trees are in leaf (<i>Carex pendula</i> , <i>Hyacinthoides non-scripta</i> , <i>Primula vulgaris</i>)
6	213	Between 5 and 7 (<i>Anthriscus sylvestris</i> , <i>Digitalis purpurea</i> , <i>Teucrium scorodonia</i>)
7	680	Plant generally in well lit places, but also occurring in partial shade (<i>Arrhenatherum elatius</i> , <i>Carex flacca</i> , <i>Poa trivialis</i> , <i>Vicia cracca</i>)
8	576	Light-loving plant rarely found where relative illumination in summer is less than 40% (<i>Cardamine hirsuta</i> , <i>Orchis morio</i> , <i>Thymus polytrichus</i> , <i>Vaccinium oxycoccus</i>)
9	202	Plant in full light, found mostly in full sun (<i>Aster tripolium</i> , <i>Melilotus albus</i> , <i>Poa compressa</i> , <i>Primula farinosa</i>)

Moisture values (F)

Unlike the other Ellenberg values, moisture is on a scale of 1 to 12 (Table 10). We use the abbreviation F from the German Feuchtigkeit.

Table 10. Ellenberg values for moisture (F)

Code	N=	Explanation
1	3	Indicator of extreme dryness, restricted to soils that often dry out for some time (<i>Corynephorus canescens</i> , <i>Helianthemum apenninum</i> , <i>Koeleria vallesiana</i>)
2	28	Between 1 and 3 (<i>Clinopodium acinos</i> , <i>Saxifraga tridactylites</i> , <i>Sedum acre</i>)
3	168	Dry-site indicator, more often found on dry ground than in moist places (<i>Asplenium trichomanes</i> , <i>Centaurea scabiosa</i> , <i>Spergularia rubra</i>)
4	378	Between 3 and 5 (<i>Arctium minus</i> , <i>Helictotrichon pratense</i> , <i>Iris foetidissima</i> , <i>Thymus polytrichus</i>)
5	492	Moist-site indicator, mainly on fresh soils of average dampness (<i>Anthriscus sylvestris</i> , <i>Euphorbia amygdaloides</i> , <i>Hyacinthoides non-scripta</i> , <i>Solanum nigrum</i>)
6	226	Between 5 and 6 (<i>Agrostis stolonifera</i> , <i>Empetrum nigrum</i> , <i>Rumex crispus</i>)
7	141	Dampness indicator, mainly on constantly moist or damp, but not on wet soils (<i>Carex ovalis</i> , <i>Dactylorhiza maculata</i> , <i>Pulicaria dysenterica</i> , <i>Ranunculus repens</i>)
8	170	Between 7 and 9 (<i>Cardamine pratensis</i> , <i>Equisetum telmateia</i> , <i>Phalaris arundinacea</i> , <i>Schoenus nigricans</i>)
9	126	Wet-site indicator, often on water-saturated, badly aerated soils (<i>Drosera rotundifolia</i> , <i>Myosotis scorpioides</i> , <i>Vaccinium oxycoccus</i> , <i>Viola palustris</i>)
10	64	Indicator of shallow-water sites that may lack standing water for extensive periods (<i>Alisma plantago-aquatica</i> , <i>Carex limosa</i> , <i>Ranunculus lingua</i> , <i>Typha latifolia</i>)
11	34	Plant rooting under water, but at least for a time exposed above, or plant floating on the surface (<i>Lemna minor</i> , <i>Nuphar lutea</i> , <i>Sagittaria sagittifolia</i> , <i>Schoenoplectus lacustris</i>)
12	55	Submerged plant, permanently or almost constantly under water (<i>Isoetes lacustris</i> , <i>Potamogeton crispus</i> , <i>Ranunculus circinatus</i> , <i>Zostera marina</i>)

Reaction (R)

Reaction (Table 11) refers to environmental acidity, which would ordinarily be measured by pH. Except for water plants, R values reflect preferences for soil acidity.

Table 11. Ellenberg values for reaction (R)

Code	N=	Explanation
1	10	Indicator of extreme acidity, never found on weakly acid or basic soils (<i>Andromeda polifolia, Lycopodium clavatum, Rubus chamaemorus, Ulex minor</i>)
2	50	Between 1 and 3 (<i>Agrostis curtisii, Calluna vulgaris, Drosera rotundifolia, Polygala serpylliifolia</i>)
3	61	Acidity indicator, mainly on acid soils, but exceptionally also on nearly neutral ones (<i>Agrostis vinealis, Dactylorhiza maculata, Galium saxatile, Pteridium aquilinum</i>)
4	127	Between 3 and 5 (<i>Agrostis capillaris, Carex panicea, Juncus effusus, Teucrium scorodonia</i>)
5	227	Indicator of moderately acid soils, only occasionally found on very acid or on neutral to basic soils (<i>Cardamine pratensis, Cirsium palustre, Rubus idaeus, Ulex europeus</i>)
6	412	Between 5 and 7 (<i>Ammophila arenaria, Carex sylvatica, Lolium perenne, Ranunculus ficaria</i>)
7	698	Indicator of weakly acid to weakly basic conditions; never found on very acid soils (<i>Agrimonia eupatoria, Atriplex prostrata, Nuphar lutea, Phleum pratense</i>)
8	279	Between 7 and 9 (<i>Artemisia vulgaris, Carduus nutans, Iris foetidissima, Viola hirsuta</i>)
9	21	Indicator of basic reaction, always found on calcareous or other high-pH soils (<i>Bunium bulbocastanum, Clinopodium calamintina, Dryopteris submontana, Primula farinosa</i>)

Nitrogen (N)

Nitrogen values (Table 12) are in fact a general indication of preference for soil fertility. They are closely correlated with the stress values of Grime (1979, 2001), low N values corresponding to plants with high stress tolerance (Grime et al., 1997) and vice-versa.

Table 12. Ellenberg values for nitrogen (N)

Code	N=	Explanation
1	84	Indicator of extremely infertile sites (<i>Agrostis curtisii, Clinopodium acinos, Drosera rotundifolia, Rubus chamaemorus</i>)
2	323	Between 1 and 3 (<i>Aira praecox, Carex panicea, Linum catharticum, Scabiosa columbaria</i>)
3	286	Indicator of more or less infertile sites (<i>Centaurea scabiosa, Galium saxatile, Pimpinella saxifraga, Teucrium scorodonia</i>)
4	245	Between 3 and 5 (<i>Agrostis capillaris, Cirsium palustre, Plantago lanceolata, Primula vulgaris</i>)
5	342	Indicator of sites of intermediate fertility (<i>Angelica sylvestris, Digitalis purpurea, Iris foetidissima, Trifolium pratense</i>)
6	319	Between 5 and 7 (<i>Cirsium arvense, Glyceria fluitans, Poa trivialis, Rumex crispus</i>)
7	223	Plant often found in richly fertile places (<i>Atriplex prostrata, Epilobium hirsutum, Stellaria media, Typha latifolia</i>)
8	55	Between 7 and 9 (<i>Beta vulgaris, Galium aparine, Lamium album, Urtica dioica</i>)
9	8	Indicator of extremely rich situations, such as cattle resting places or near polluted rivers (<i>Arctium lappa, Artemisia absinthium, Hyoscyamus niger, Rumex obtusifolius</i>)

Salt tolerance (S)

Values for salt tolerance (Table 13) start at zero, corresponding to no tolerance of salt.

Table 13. Ellenberg values for salt tolerance (S)

Code	N=	Explanation
0	1605	Absent from saline sites; if in coastal situations, only accidental and non-persistent if subjected to saline spray or water (85% of the flora)
1	116	Slightly salt-tolerant species, rare to occasional on saline soils but capable of persisting in the present of salt (includes dune and dune-slack species where the ground water is fresh but where some inputs of salt spray are likely) (<i>Calystegia sepium</i> , <i>Chenopodium album</i> , <i>Oenanthe crocata</i> , <i>Sedum anglicum</i>)
2	28	Species occurring in both saline and non-saline situations, for which saline habitats are not strongly predominant (<i>Atriplex prostrata</i> , <i>Elytrigia repens</i> , <i>Phragmites australis</i> , <i>Rumex crispus</i>)
3	68	Species most common in coastal sites but regularly present in freshwater or on non-saline soils inland (includes strictly coastal species occurring in sites such as cliff crevices and sand dunes that are not obviously salt-affected) (<i>Cakile maritima</i> , <i>Cochlearia officinalis</i> , <i>Juncus gerardii</i> , <i>Spergularia rupicola</i>)
4	28	Species of salt meadows and upper saltmarsh, subject to at most only very occasional tidal inundation (includes species of brackish conditions, i.e. of consistent but low salinity) (<i>Atriplex littoralis</i> , <i>Elytrigia atherica</i> , <i>Glaux maritima</i> , <i>Triglochin maritimum</i>)
5	19	Species of the upper edge of saltmarsh, where not inundated by all tides (includes obligate halophytes of cliffs receiving regular salt spray) (<i>Aster tripolium</i> , <i>Crithmum maritimum</i> , <i>Puccinellia maritima</i> , <i>Suaeda vera</i>)
6	6	Species of mid-level saltmarsh (<i>Atriplex portulacoides</i> , <i>Cochlearia anglica</i> , <i>Limonium vulgare</i>)
7	3	Species of lower saltmarsh (<i>Spartina anglica</i> , <i>Suaeda maritima</i>)
8	4	Species more or less permanently inundated in sea water (<i>Zostera</i> spp.)
9	8	Species of extremely saline conditions, in sites where sea water evaporates, precipitating salt (<i>Salicornia europaea</i> agg.; these could equally well be treated as species of the lower marsh)

LISTING OF SPECIES WITH THEIR ATTRIBUTES

The listing of species with their attributes has 32 columns. Codes used in these columns are set out in the foregoing tables. The short and full names of the columns are given here (Table 14), as are the pages on which the tables of codes appear.

Table 14. Plant attributes cross-referenced to tables and page numbers where these are described more fully

Short name	Attribute	Table No	Page
Taxon name	Name in New Atlas	1	2
Fam	Family (4-letter abbreviation)	1	2
NS	Native status	2	4
CS	Conservation status	2	4
RS	Rarity status	2	4
Chg	Change Index	2	4
Hght	Height in cm (terrestrial)	3	6
Len	Length in cm (aquatic)	3	6
PI	Perennation - primary	3	6
P2	Perennation - secondary	3	6
LFI	Life form - primary	3	6
LF2	Life form - secondary	3	6
W	Woodiness	3	6
Clone 1	Clonal spread - primary	4	7
Clone 2	Clonal spread - secondary	4	7
E1	Major Biome (European distribution)	5	9
E2	Eastern limit code	5	9
C	Continentiality in Europe	5	9
Origin	Origin of alien taxa	6	10
GB	Number of 10-km squares in Britain (including Isle of Man)	7	11
IR	Number of 10-km squares in Ireland	7	11
CI	Number of 10-km squares in Channel Islands	7	11
Tjan	January mean temperature	7	11
Tjul	July mean temperature	7	11
Prec	Annual precipitation	7	11
Co	Coastal	8	13
Br Habitats	Broad Habitats	8	13
L	Ellenberg indicator value - light	9	14
F	Ellenberg indicator value - moisture	10	15
R	Ellenberg indicator value - reaction	11	16
N	Ellenberg indicator value - nitrogen	12	16
S	Ellenberg indicator value - salt tolerance	13	17

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Acaena novae-zelandiae</i>	Rosa	AN				11]	p	Ch	w	Node2								Aus, NZ	82	9	0	3.8	15.2	831	3, 10, 18, 19	8	3	6	3	0		
<i>Acer campestre</i>	Acer	N		n	0.35	1500	p	Ph	w	0					7	3			1389	0	0	3.6	15.7	839	1, 3	5	5	7	6	0		
<i>Acer platanoides</i>	Acer	AN				3000	p	Ph	w	0					7	3	c	Eur	1419	43	5	3.4	15.2	903	1, 3, 17	4	5	7	7	0		
<i>Acer pseudoplatanus</i>	Acer	AN			-0.40	3000	p	Ph	w	0					7	3	c	Eur	2599	942	13	3.6	14.6	1083	1, 3, 17	4	5	6	6	0		
<i>Aceras anthropophorum</i>	Orch	N		s	-0.76	40	p	Gn	h	0					9	1			109	0	0	3.6	16.3	690	7	7	4	8	3	0		
<i>Achillea millefolium</i>	Aste	N		n	0.29	45	p	Ch	h	Rhiz2					5	5			2774	968	14	3.5	14.5	1103	6	7	5	6	4	1		
<i>Achillea ptarmica</i>	Aste	N		n	-0.65	60	p	hc	h	Rhiz1					5	5			2382	492	0	3.3	14.3	1146	11	7	7	5	3	0		
<i>Aconitum napellus</i>	Ranu	NA		s		100	p	Gn	h	Rhiz1					7	3			104	0	0	4.0	15.8	964	1, 3, 14, 17	5	7	7	6	0		
<i>Aconitum napellus sens. lat.</i>	Ranu	NA		s	1.42	100	p	Gn	h	Rhiz1					7	3			104	0	0	4.0	15.8	964	1, 3, 14, 17	5	7	7	6	0		
<i>Acorus calamus</i>	Arac	AN			0.69	112	p	Hy	h	Rhiz2							Unk	515	17	4	3.6	15.8	770	13, 14	8	10	7	7	0			
<i>Actaea spicata</i>	Ranu	N		s	-0.44	60	p	Gn	h	Rhiz1					4	6			33	0	0	2.5	14.3	1054	16	3	5	8	6	0		
<i>Adiantum capillus-veneris</i>	Adia	N		s	0.54	30	p	hc	h	0					9	1			38	29	4	5.2	15.2	1101	16	4	7	8	3	0		
<i>Adonis annua</i>	Ranu	AR	VU		-2.19	40	a	Th	h	0					9	1			234	3	2	3.8	16.0	745	4	7	4	7	4	0		
<i>Adoxa moschatellina</i>	Adox	N		n	-0.05	12	p	Gn	h	Rhiz1					5	6			1720	2	0	3.3	14.9	1005	1	4	5	6	5	0		
<i>Aegopodium podagraria</i>	Apia	AR			-0.45	100	p	hc	h	Rhiz2					7	4	Eur, As1		2533	819	12	3.6	14.6	1064	13, 17	6	5	6	7	0		
<i>Aesculus hippocastanum</i>	Hipp	AN			1.08	3200	p	Ph	w	0							Eur	2186	557	12	3.6	14.8	1014	3, 17	5	5	7	7	0			
<i>Aethusa cynapium</i>	Apia	NA		n	-0.41	100	a	Th	h	0					7	3			1640	0	9	3.6	15.5	863	3, 4, 17	6	4	7	6	0		
<i>Agrimonie eupatoria</i>	Rosa	N		n	-0.89	60	p	hc	h	0					8	4			1859	532	9	3.8	15.1	953	6	7	4	7	4	0		
<i>Agrimonie procura</i>	Rosa	N		n	-0.38	100	p	hc	h	0					7	3			819	161	6	3.9	15.1	1026	1, 3, 6	5	6	7	5	0		
<i>Agrostemma githago</i>	Cary	AR	EW		-0.75	100	a	Th	h	0							Unk	815	96	5	3.9	15.6	852	4	7	5	6	5	0			
<i>Agrostis canina</i>	Poac	IN		n		60	p	hc	h	Stol2					5	6			1609	361	2	3.5	14.5	1128	11, 13	7	7	3	3	0		
<i>Agrostis canina sens. lat.</i>	Poac	N		n	1.32	60	p	hc	h	Rhiz2	Stol2				5	6			1937	443	2	3.4	14.3	1145	8, 11	7	6	3	3	0		
<i>Agrostis capillaris</i>	Poac	N		n	1.28	62	p	hc	h	Rhiz2					5	4			2758	922	13	3.5	14.5	1104	8	6	5	4	4	0		
<i>Agrostis curtisiae</i>	Poac	N		n	-0.26	60	p	hc	h	0					8	1			207	0	0	4.9	15.8	1082	8, 10	7	6	2	1	0		
<i>Agrostis gigantea</i>	Poac	AR			1.39	80	p	hc	h	Rhiz2					8	5			1613	109	4	3.6	15.3	889	3, 4	7	6	6	7	0		
<i>Agrostis stolonifera</i>	Poac	N		n	3.66	45	p	hc	h	Stol2					6	6			2776	977	14	3.6	14.5	1101	4, 6	7	6	7	6	1		
<i>Agrostis vinealis</i>	Poac	N		n		60	p	hc	h	Rhiz2					7	3			1126	150	0	3.3	14.0	1200	8, 10	7	6	3	2	0		
<i>Aira caryophyllea</i>	Poac	N		n	-0.52	25	a	Th	h	0					8	3			2046	656	14	3.7	14.6	1087	10, 16	8	2	5	2	0		
<i>Aira praecox</i>	Poac	N		n	-0.19	10	a	Th	h	0					8	2			2450	659	13	3.5	14.3	1149	8, 16	8	2	4	2	0		
<i>Ajuga chamaepitys</i>	Lami	NA	VU	r	-0.62	20	p	hc	h	0					8	3			43	0	0	3.8	16.5	713	4, 7	7	4	8	2	0		
<i>Ajuga pyramidalis</i>	Lami	N		s	-0.34	30	p	hc	h	0					4	3			106	8	0	3.3	12.6	1425	10, 16	7	5	2	0	0		
<i>Ajuga reptans</i>	Lami	N		n	-0.56	30	p	hc	h	Stol2					7	3			2439	717	3	3.4	14.6	1095	1	5	7	5	5	0		
<i>Alchemilla acutiloba</i>	Rosa	N		r		60	p	hc	h	0					5	3	c		15	0	0	1.6	13.2	969	6	7	4	6	5	0		
<i>Alchemilla elpina</i>	Rosa	N		n	-0.61	15	p	hc	h	0					1	3			384	4	0	1.6	12.1	1843	7, 15, 16	7	5	4	3	0		
<i>Alchemilla filicaulis</i>	Rosa	IN		n		30	p	hc	h	0					4	3			1407	308	0	2.9	14.1	1185	7, 15, 16	8	6	6	3	0		
<i>Alchemilla glabra</i>	Rosa	N		n		40	p	hc	h	0					5	3			1271	223	0	2.6	13.4	1338	6, 15, 16	7	6	6	4	0		
<i>Alchemilla glaucescens</i>	Rosa	N		s		15	p	hc	h	0					5	3	c		20	3	0	2.0	13.3	1408	7	7	5	7	5	0		
<i>Alchemilla glomerulans</i>	Rosa	N		s		30	p	hc	h	0					2	3			57	0	0	0.4	11.5	1978	8, 15	7	5	5	4	0		
<i>Alchemilla micans</i>	Rosa	N	VU	r		40	p	hc	h	0					5	3	c		4	0	0	2.0	13.5	1056	7	7	5	7	5	0		
<i>Alchemilla minima</i>	Rosa	NE	VU	r		5	p	hc	h	0					4	1			3	0	0	1.7	13.5	1667	7	7	6	8	3	0		
<i>Alchemilla mollis</i>	Rosa	AN				60	p	hc	h	0							Eur	805	17	1	3.5	15.0	1009	3, 17	6	5	7	6	0			
<i>Alchemilla monticola</i>	Rosa	N		r		35	p	hc	h	0					5	3	c		9	0	0	1.3	13.0	1084	6	7	4	6	4	0		
<i>Alchemilla subcrenata</i>	Rosa	N	EN	r		35	p	hc	h	0					5	3	c		2	0	0	0.9	12.6	1125	6	7	4	6	5	0		
<i>Alchemilla vulgaris agg.</i>	Rosa	N		n	-0.01	35	p	hc	h	0					5	3			1935	496	0	3.1	14.1	1179	6, 7, 15, 16	7	5	6	4	0		
<i>Alchemilla wichurae</i>	Rosa	N		s		20	p	hc	h	0					4	3			65	0	0	0.9	12.0	1992	7	7	5	5	3	0		
<i>Alchemilla xanthochlora</i>	Rosa	N		n		40	p	hc	h	0					7	3			1060	240	0	2.8	13.9	1174	6, 7	6	5	6	4	0		

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Alisma gramineum</i>															7	6	c		4	0	0	3.5	16.2	612		13		7	11	7	4	0
<i>Alisma lanceolatum</i>															8	4			464	41	0	3.7	16.0	757		13		8	10	7	7	0
<i>Alisma plantago-aquatica</i>															6	6			1761	624	8	3.8	15.2	950		11, 13		7	10	7	7	0
<i>Alliaria petiolata</i>															7	3			1990	367	9	3.6	15.1	935		3		5	6	7	8	0
<i>Allium ampeloprasum</i>	Lili	AR				0.77	180	p	Gb		h	0t	DRI	9	1			66	24	6	5.5	15.5	1068		3		8	4	6	5	0	
<i>Allium carinatum</i>	Lili	AN				0.64	60	p	Gb		h	0t	DRI				Eur	138	16	0	3.5	14.9	920		3, 17		8	4	7	2	0	
<i>Allium cepa</i>	Lili	AC					100	p	Gb		h	0t	DRg				Crop	43	0	0	3.9	15.8	823		4		7	4	7	8	0	
<i>Allium oleraceum</i>	Lili	N		n	-0.24	80	p	Gb		h	0t	DRI	7	3			327	0	0	3.4	15.4	827		7		7	5	7	4	0		
<i>Allium paradoxum</i>	Lili	AN				1.83	40	p	Gb		h	0t	DRI				Eur	316	10	0	3.2	15.1	810		1, 3		6	5	5	7	1	
<i>Allium roseum</i>	Lili	AN					75	p	Gb		h	0t	DRI	0	3	Eur		135	0	6	4.9	16.1	878		3, 16		7	4	6	5	0	
<i>Allium schoenoprasum</i>	Lili	N		s	1.69	45	p	Gb		h	Rhiz1		2	6	c		21	2	0	4.0	14.9	1052		16		8	6	5	1	0		
<i>Allium scorodoprasum</i>	Lili	N		n	0.30	80	p	Gb		h	0t		7	3	c		181	0	0	3.0	14.5	1000		1, 3, 6		6	6	7	7	0		
<i>Allium sphaerocephalon</i>	Lili	NA	EN	r		80	p	Gb		h	0t		8	3			1	0	2	5.6	16.8	850		16, 17		9	3	8	2	0		
<i>Allium triquetrum</i>	Lili	AN			2.46	45	p	Gb		h	0t		0	3	Eur		311	123	13	4.9	15.7	956		3		6	4	6	5	0		
<i>Allium ursinum</i>	Lili	N		n	0.24	45	p	Gb		h	0		7	3			2034	371	0	3.5	14.8	1065		1		4	6	7	7	0		
<i>Allium vineale</i>	Lili	N		n	0.90	80	p	Gb		h	0t	DRI	7	3			1197	82	11	4.0	15.6	884		3, 6, 7		7	5	8	6	0		
<i>Anirus glutinosus</i>	Betu	N		n	-0.32	2000	p	Ph		w	0		7	4			2478	901	10	3.5	14.5	1100		1, 14		5	8	6	6	0		
<i>Anthus incana</i>	Betu	AN				2000	p	Ph		w	0		4	6	c	NHem	714	71	0	3.4	15.0	984		1, 3		6	7	6	4	0		
<i>Alopecurus aequalis</i>	Poac	N		n	-0.33	40	a	p	Th	hc	h	0		5	6			298	3	1	3.5	16.0	717		13		8	9	4	7	0	
<i>Alopecurus borealis</i>	Poac	N	s	-0.24	50	p		hc		h	0gr		1	6	c		37	0	0	-0.6	11.0	1514		11		8	9	5	3	0		
<i>Alopecurus bulbosus</i>	Poac	N	s	0.30	29	p		hc		h	0gr		8	2			92	0	1	4.6	16.4	826		6		8	7	7	5	3		
<i>Alopecurus geniculatus</i>	Poac	N		n	0.83	40	p		hc		h	Node2		5	3			2598	805	8	3.5	14.5	1087		6		8	7	6	6	1	
<i>Alopecurus myosuroides</i>	Poac	AR			0.42	80	a	Th		h	0		8	3			1071	6	4	3.7	15.9	765		4		6	5	7	6	0		
<i>Alopecurus pratensis</i>	Poac	N		n	0.09	105	p		hc		h	0		5	4			2424	738	8	3.5	14.7	1032		6		7	5	6	7	0	
<i>Althaea hirsuta</i>	Malv	AN			0.11	60	a	Th		h	0		8	3	Eur		88	0	1	4.1	16.1	804		1, 7		9	4	8	3	0		
<i>Althaea officinalis</i>	Malv	N	s	-0.29	120	p		hc		h	0		7	4			125	0	2	4.4	16.4	774		13, 21		7	7	8	4	2		
<i>Amaranthus albus</i>	Amar	AN				60	a	Th		h	0					Am	99	4	2	4.0	16.1	743		17		8	5	8	7	0		
<i>Amaranthus retroflexus</i>	Amar	AN				100	a	Th		h	0					Am, SAm	434	36	10	4.0	16.0	787		3, 4, 17		7	4	7	7	0		
<i>Ammophila arenaria</i>	Poac	N		n	-0.26	120	p	hc		h	Rhiz2		8	3			553	166	10	4.4	14.4	1083		Co 19		9	4	6	3	3		
<i>Amsinckia micrantha</i>	Bora	AN				70	a	Th		h	0					Am4	336	1	0	3.4	15.4	701		4		9	3	3	3	0		
<i>Anacamptis pyramidalis</i>	Orch	N		n	0.55	55	p	Gn		h	0		8	3			840	350	9	4.1	15.5	861		7		8	4	8	3	0		
<i>Anagallis arvensis</i>	Prim	N		n	-0.73	20	a	Th		h	0		8	4			1856	713	14	4.0	15.2	962		4		7	4	6	5	0		
<i>Anagallis minima</i>	Prim	N		n	-1.16	5	a	Th		h	0		7	3			532	87	7	4.2	14.8	1155		3		8	7	5	3	0		
<i>Anagallis tenella</i>	Prim	N		n	-0.54	5	p		hc	Ch	h	Node2		8	1			1281	636	9	4.0	14.6	1139		11		8	8	5	3	0	
<i>Anaphalis margaritacea</i>	Aste	AN			0.07	100	p		hc		h	Rhiz1					As2, Am	259	12	2	3.6	14.8	1167		1, 3		8	5	6	3	0	
<i>Anchusa arvensis</i>	Bora	AR			-0.70	50	a	b	Th	hc	h	0		7	4			1514	75	13	3.7	15.0	874		4		7	4	6	5	0	
<i>Andromeda polifolia</i>	Eric	N		n	0.09	35	p		Ch		w	Rhiz2		4	6			222	152	0	3.3	14.4	1159		12		9	9	1	1	0	
<i>Anemone nemorosa</i>	Ranu	N		n	-0.70	23	p		Gn		h	Rhiz1		7	4			2305	541	3	3.3	14.5	1113		1, 16		5	6	5	4	0	
<i>Angelica sylvestris</i>	Apia	N		n	0.12	200	p		hc		h	0		5	4			2726	968	5	3.5	14.4	1109		11, 16		7	8	6	5	0	
<i>Anisantha diandra</i>	Poac	AN			1.50	80	a		Th		h	0		0	3	Eur		307	6	12	3.9	16.0	728		3, 4, 19		7	4	5	4	0	
<i>Anisantha rigida</i>	Poac	AN			1.13	60	a		Th		h	0		0	3	Eur		97	0	7	4.1	16.1	709		3, 4, 19		8	4	8	7	0	
<i>Anisantha sterilis</i>	Poac	AR			0.05	80	a		Th		h	0		8	3			1836	281	14	3.8	15.3	893		3, 4, 17		7	5	8	7	0	
<i>Anogramma leptophylla</i>	Adia	N		o		7	a		Th		h	0		9	1			0	0	3	6.2	16.7	832		3		7	2	8	1	0	
<i>Antennaria dioica</i>	Aste	N		n	-0.88	15	p		Ch		h	Stol1		5	5			968	356	0	2.9	13.3	1379		7, 10		8	5	4	2	0	
<i>Anthemis arvensis</i>	Aste	AR			-1.79	50	a		Th		h	0		8	3			696	19	7	3.7	15.6	797		3, 4		7	4	7	6	0	
<i>Anthemis cotula</i>	Aste	AR			-1.60	60	a		Th		h	0		8	3			1103	49	6	3.8	15.7	809		4		7	5	6	6	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Anthoxanthum aristatum</i>	Poac	AN			-2.65	40		a	Th		h	0						Eur	93	0	1	3.9	16.0	775	4	17		7	4	4	5	0
<i>Anthoxanthum odoratum</i>	Poac	N		n	0.90	50		p	hc		h	0			6	4			2782	965	14	3.5	14.4	1106	6			7	6	4	3	0
<i>Anthriscus caucalis</i>	Apia	N		n	-0.16	70		a	Th		h	0			7	3			659	47	12	3.9	15.7	747	3	4, 8		7	5	6	5	0
<i>Anthriscus sylvestris</i>	Apia	N		n	-0.19	100		p	hc		h	0			5	5			2480	805	5	3.6	14.6	1039	3			6	5	7	7	0
<i>Anthyllis vulneraria</i>	Faba	N		n	0.45	60		p	hc		h	0			5	3			1798	465	9	3.7	14.6	1030	7			8	4	7	2	0
<i>Antirrhinum majus</i>	Scro	AN			2.84	30		p	Ch		h	0						Eur	1043	84	8	3.9	15.7	837	3, 17			8	3	7	5	0
<i>Apera interrupta</i>	Poac	AN			0.80	40		a	Th		h	0			8	4	Eur, As1		104	0	0	3.4	15.9	671	3, 4, 16			9	5	8	6	3
<i>Apera spica-venti</i>	Poac	AR			-0.21	100		a	Th		h	0			5	4			326	1	3	3.7	16.0	726	3, 4			7	4	5	5	0
<i>Aphanes arvensis</i>	Rosa	N		n		10		a	Th		h	0			7	3			1608	432	4	3.7	15.0	956	4, 16			8	4	6	4	0
<i>Aphanes arvensis agg.</i>	Rosa	N		n	-0.32	10		a	Th		h	0			7	3			2302	659	14	3.6	14.7	1038	4, 8, 16			7	4	6	4	0
<i>Aphanes australis</i>	Rosa	N		n		10		a	Th		h	0			7	3			1549	230	14	3.5	14.6	1070	8, 16			7	4	5	4	0
<i>Apium graveolens</i>	Apia	N		n	-0.63	80		b	hc		h	0			8	4			519	82	8	4.3	15.8	849	13			8	8	7	7	2
<i>Apium inundatum</i>	Apia	N		n	-0.54	30	50	p	Hy		h	Irreg			7	2			927	351	6	3.8	14.8	1023	11, 13			7	10	6	4	0
<i>Apium nodiflorum</i>	Apia	N		n	-0.31	60	100	p	Hy		h	Irreg			8	4			1661	855	12	4.0	15.2	961	14			7	10	7	7	0
<i>Apium repens</i>	Apia	N	CR	r		15		p	hc		h	Node2			7	3			3	0	0	3.6	16.4	651	13			9	9	7	7	0
<i>Aquilegia vulgaris</i>	Ranu	N		n	1.70	100		p	hc		h	0			7	3			1504	197	5	3.6	15.0	986	1, 3, 16			6	4	6	5	0
<i>Arabidopsis thaliana</i>	Bras	N		n	1.21	30		a	Th		h	0			7	4			2218	509	13	3.5	14.8	1034	16, 17			8	3	6	2	0
<i>Arabis alpina</i>	Bras	N	EN	r		15		p	Ch		h	0			1	4			1	0	0	2.5	11.8	3218	16			7	5	7	3	0
<i>Arabis glabra</i>	Bras	N	VU	s	-1.16	100		b	hc		h	0			7	4			151	0	1	3.5	16.0	686	8			7	3	8	5	0
<i>Arabis hirsuta</i>	Bras	N		n	-1.02	40		b	p	hc	h	0			5	6			1042	143	4	3.3	14.6	1104	7, 16			7	5	8	3	0
<i>Arabis petraea</i>	Bras	N		s	-0.64	25		p	Ch		h	0			1	5			78	2	0	1.7	11.9	1966	15, 16			9	3	8	1	0
<i>Arabis scabra</i>	Bras	N	VU	r		20		p	Ch		h	0			9	3			1	0	0	4.4	16.5	844	16			7	3	8	2	0
<i>Arbutus unedo</i>	Eric	N		o	1.18	500		p	Ph		w	0			9	1			0	8	0	4.7	14.4	1335	1, 16			6	5	7	2	0
<i>Arctium lappa</i>	Aste	AR			0.51	150		b	hc		h	0			7	4			971	4	1	3.8	16.0	769	3			9	5	7	9	0
<i>Arctium minus</i>	Aste	N		n	-0.41	150		b	hc		h	0			7	5			2424	846	14	3.7	14.7	1051	3			6	4	7	5	0
<i>Arctostaphylos alpinus</i>	Eric	N		s	-0.22	20		p	Ch		w	Node2			1	6			134	0	0	1.6	11.6	1750	15			7	6	2	2	0
<i>Arctostaphylos uva-ursi</i>	Eric	N		n	-0.75	20		p	Ch		w	Node2			4	6			473	37	0	2.1	12.3	1615	10, 15			7	5	2	2	0
<i>Arenaria ciliata</i>	Cary	N		o		6		p	Ch		h	0			1	3			0	1	0	2.6	12.9	1454	15			9	5	8	2	0
<i>Arenaria norvegica</i>	Cary	N		r	0.21	6		p	a	Ch	Th	h	0		1	3			16	1	0	2.5	12.3	1904	16			9	3	8	2	0
<i>Arenaria serpyllifolia</i>	Cary	N		n	-0.76	30		a	Th		h	0			8	4			2147	522	13	3.6	14.9	986	16			8	3	7	5	0
<i>Armeria arenaria</i>	Plum	N		o		20		p	Ch		h	0			8	2			0	0	5	6.1	16.9	843	Co 18, 19			8	3	6	2	0
<i>Armeria maritima</i>	Plum	N		n	-0.14	15		p	Ch		h	0			3	6			1137	319	14	3.9	14.1	1265	Co 18, 21			8	7	5	5	3
<i>Armoracia rusticana</i>	Bras	AR			0.05	150		p	hc		h	Rhiz2						Crop	1532	111	10	3.8	15.6	850	3			8	5	7	7	0
<i>Arnoseris minima</i>	Aste	AR	EX		-3.72	30		a	Th		h	0			7	3			83	0	0	3.6	16.1	685	4			7	4	3	3	0
<i>Arrhenatherum elatius</i>	Poac	N		n	0.37	150		p	hc		h	0		DRg	7	3			2678	958	13	3.6	14.5	1089	3, 6			7	5	7	7	0
<i>Artemisia absinthium</i>	Aste	AR			-0.46	90		p	Ch		sw	0			7	4			1005	41	6	3.8	15.6	861	3, 16, 17			7	4	7	9	0
<i>Artemisia campestris</i>	Aste	N	EN	r	-0.42	60		p	Ch		sw	Rhiz1			7	4	c		9	0	0	3.3	16.1	620	3, 8			8	3	6	5	0
<i>Artemisia norvegica</i>	Aste	N	VU	r		8		p	hc		h	0			1	3			3	0	0	0.9	10.9	1982	15			9	4	4	1	0
<i>Artemisia vulgaris</i>	Aste	AR			-0.20	150		p	hc		h	0			7	4			2109	489	12	3.7	14.9	984	3, 17			7	4	8	7	0
<i>Arum italicum</i>	Arac	N		s	2.09	60		p	Gn		h	Rhiz1			9	1			39	0	8	5.5	16.2	962	1, 3			4	5	6	6	0
<i>Arum maculatum</i>	Arac	N		n	-0.28	50		p	Gn		h	Rhiz1			7	3			1604	650	11	3.9	15.3	931	1			4	5	7	7	0
<i>Asparagus officinalis</i>	Lili	N		n	1.78	150		p	Gn		h	0			7	1			17	7	7	5.4	15.9	953	3, 18, 19			7	5	6	5	2
<i>Asparagus officinalis subsp. officinalis</i>	Lili	AR				150		p	Gn		h	0			7	4			587	7	4	3.8	16.2	713	3			7	5	6	5	2
<i>Asparagus officinalis subsp. prostratus</i>	Lili	N	VU	r		30		p	Gn		h	0			7	1			17	7	7	5.9	15.9	950	18, 19			8	4	6	3	3

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S	
<i>Asperula cynanchica</i>	Rubi	N		n	-0.47	50	p	hc		h	Rhiz2				7	3			329	47	3	4.0	15.9	842	7			7	3	8	2	0	
<i>Asplenium adiantum-nigrum</i>	Aspl	N		n		45	p	hc		h	0				7	3			2146	708	14	3.7	14.6	1110	3, 16			6	4	5	5	0	
<i>Asplenium adiantum-nigrum sens.lat.</i>	Aspl	N		n	0.35	45	p	hc		h	0				8	3			2146	708	14	3.7	14.6	1110	3			6	4	5	5	0	
<i>Asplenium marinum</i>	Aspl	N		n	0.02	35	p	hc		h	0				8	2			530	172	12	4.4	14.0	1261	Co 18			9	6	5	5	3	
<i>Asplenium obovatum</i>	Aspl	N		s	-0.18	30	p	hc		h	0				9	1			135	19	11	5.3	15.4	1197	16			5	5	4	3	0	
<i>Asplenium onopteris</i>	Aspl	N		o		45	p	hc		h	0				9	1			0	34	0	4.6	14.5	1200	1, 3, 16			5	5	7	3	0	
<i>Asplenium ruta-muraria</i>	Aspl	N		n	0.15	12	p	hc		h	0				7	6			2184	898	11	3.7	14.7	1074	3, 16, 17			7	3	7	2	0	
<i>Asplenium septentrionale</i>	Aspl	N		s	-0.08	15	p	hc		h	0				7	3			55	2	0	2.5	13.2	1825	16			8	3	2	2	0	
<i>Asplenium trichomanes</i>	Aspl	N		n	0.07	35	p	hc		h	0				8	6			2294	911	12	3.6	14.5	1121	3, 16, 17			5	3	8	2	0	
<i>Asplenium viride</i>	Aspl	N		n	-0.21	20	p	hc		h	0				4	6			435	43	0	2.0	12.8	1701	15, 16			4	5	8	3	0	
<i>Aster (alien N American taxa)</i>	Aste	AN				150	p	hc		h	Rhiz1						Am		1211	53	5	3.7	15.3	934	3, 17, 21			7	5	7	6	1	
<i>Aster lanceolatus</i>	Aste	AN				120	p	hc		h	Rhiz1						Am6		211	5	0	3.9	15.8	844	3, 17			7	5	7	6	1	
<i>Aster lanceolatus x novi-belgii (A. x salignus)</i>	Aste	AN				150	p	hc		h	Rhiz1						Gard		373	9	0	3.8	15.6	890	3, 17			7	5	7	6	1	
<i>Aster linosyris</i>	Aste	IN		r	-0.10	50	p	hc		h	0				7	3	c		9	0	0	4.9	15.8	1006	Co 18			8	3	8	1	0	
<i>Aster novae-angliae</i>	Aste	AN				200	p	hc		h	Rhiz1						Am6		83	0	1	3.9	16.1	806	3			7	5	7	6	0	
<i>Aster novi-belgii</i>	Aste	AN				150	p	hc		h	Rhiz1						Am6		557	12	3	3.7	15.2	936	3, 17			7	6	7	6	1	
<i>Aster tripolium</i>	Aste	N		n	-0.44	100	p	hc		h	0				7	5			703	267	3	4.3	14.8	1109	Co 21			9	8	7	6	5	
<i>Astragalus alpinus</i>	Faba	N	VU	r		30	p	hc		h	0				1	6			4	0	0	-0.9	11.0	1275	7, 15			9	4	6	2	0	
<i>Astragalus danicus</i>	Faba	N		n	-0.88	30	p	hc		h	0				7	6	c		242	3	0	3.3	14.8	745	7			8	3	8	2	0	
<i>Astragalus glycyphyllos</i>	Faba	N		n	-0.36	100	p	hc		h	0				7	3			357	0	0	3.4	15.7	711	1, 3, 16			6	4	7	3	0	
<i>Athyrium distentifolium</i>	Wood	N		s	0.38	30	p	hc		h	0				1	6			98	0	0	0.3	11.2	2098	15			6	6	3	4	0	
<i>Athyrium filix-femina</i>	Wood	N		n	0.25	90	p	hc		h	0				5	6			2574	849	12	3.5	14.4	1132	1, 16			5	7	5	6	0	
<i>Athyrium flexile</i>	Wood	NE	VU	r		20	p	hc		h	0				1	1			16	0	0	-0.9	10.7	1753	15, 16			7	6	3	4	0	
<i>Atriplex glabriuscula</i>	Chen	N		n	-0.93	33	a	Th		h	0				5	2			780	159	10	4.2	14.4	1163	Co 19			9	6	7	8	3	
<i>Atriplex laciniata</i>	Chen	N		n	0.38	30	a	Th		h	0				7	1			418	92	13	4.5	14.8	979	Co 19			9	6	7	7	3	
<i>Atriplex littoralis</i>	Chen	N		n	1.59	100	a	Th		h	0				7	6			362	36	3	4.2	15.4	822	Co 19			9	6	7	6	4	
<i>Atriplex longipes</i>	Chen	N		s		90	a	Th		h	0				4	3			39	0	0	4.2	15.6	982	Co 21			9	6	7	8	4	
<i>Atriplex patula</i>	Chen	N		n	-0.34	87	a	Th		h	0				6	4			2318	787	12	3.7	14.8	1013	3, 4			7	5	7	7	2	
<i>Atriplex pedunculata</i>	Chen	N	CR	r		30	a	Th		h	0				7	4			20	0	0	3.9	16.4	603	Co 21			9	8	7	8	5	
<i>Atriplex portulacoides</i>	Chen	N		n	0.06	80	p	Pn		w	0				9	1			322	68	10	4.6	15.7	869	Co 21			9	8	8	6	6	
<i>Atriplex praecox</i>	Chen	N		s		10	a	Th		h	0				4	3			62	0	0	3.6	12.8	1503	Co 19			9	5	7	6	3	
<i>Atriplex prostrata</i>	Chen	N		n	1.10	100	a	Th		h	0				6	4			1847	349	5	3.9	15.1	955	3, 4, 19, 21			8	7	7	7	2	
<i>Atropa belladonna</i>	Sola	N		n	-0.33	150	p	hc		h	0				7	3			414	0	0	3.6	16.1	717	1, 3			5	4	8	6	0	
<i>Avena fatua</i>	Poac	AR			1.17	150	a	Th		h	0						Eur		1556	170	5	3.7	15.4	849	3, 4			7	4	7	7	0	
<i>Avena sativa</i>	Poac	AC				150	a	Th		h	0						Eur		728	131	4	3.9	15.4	903	4			7	5	7	7	0	
<i>Avena strigosa</i>	Poac	AC			-3.01	120	a	Th		h	0						Crop		270	72	6	4.0	14.6	1042	4			7	7	5	5	0	
<i>Azolla filiculoides</i>	Azol	AN		2.76		1	p	Hy		h	Frag						Am4, SAm		660	21	9	4.0	16.0	774	13, 14			7	11	8	8	0	
<i>Baldellia ranunculoides</i>	Alis	N		n	-1.08	20	20	p	Hy		h	0			8	2			536	344	6	4.1	15.1	974	13, 14			8	10	6	2	0	
<i>Ballota nigra</i>	Lami	AR			-0.37	100	p	hc		h	Rhiz2				8	3			1365	70	12	3.8	15.7	797	3			7	4	8	6	0	
<i>Barbarea intermedia</i>	Bras	AN			1.92	60	b	hc		h	0						Eur		735	207	7	3.7	15.0	975	4			8	5	6	7	0	
<i>Barbarea stricta</i>	Bras	AN			0.50	100	b	p	hc		h	0			5	4	c	Eur, As1		104	1	0	3.7	15.9	705	11, 13, 14			8	7	7	8	0
<i>Barbarea verna</i>	Bras	AN			1.34	90	a	b	Th	hc	h	0					Eur		514	28	7	4.1	15.6	943	3			8	5	6	6	0	
<i>Barbarea vulgaris</i>	Bras	N			n	-0.02	90	b	p	hc		h	0			7	4			1869	615	3	3.7	15.0	943	3, 14			7	6	7	8	0
<i>Bartsia alpina</i>	Scro	N		r	-0.10	22	p	hc		h	Rhiz1				1	3			18	0	0	0.4	11.9	2069	7, 11, 15			8	8	7	2	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S	
<i>Bellis perennis</i>	Aste	N		n	0.89	8		p	hc	h	Rhiz1				7	3			2797	984	14	3.5	14.5	1105	6		8	5	6	4	0		
<i>Berberis vulgaris</i>	Berb	NA		n	-0.61	250		p	Pn	w	Rhiz1				7	3			974	26	1	3.4	15.2	892	1, 3		7	4	8	3	0		
<i>Berula erecta</i>	Apia	N		n	-0.02	100		p	Hy	h	Irreg				7	3			1111	265	1	3.8	15.5	843	11		7	10	7	7	0		
<i>Beta vulgaris</i>	Chen	N		n	1.23	150		p	b	hc	h	0			9	1			607	205	14	4.6	15.4	952	Co	18, 19		9	5	7	8	3	
<i>Betula nana</i>	Betu	N		s	-0.09	100		p	Pn	w	Rhiz1				2	6			125	0	0	0.7	11.5	1585	10, 12, 15		7	8	1	1	0		
<i>Betula pendula</i>	Betu	N		n	-0.23	2500		p	Ph	w	0				5	4			2293	390	0	3.3	14.6	1073	1		7	5	4	4	0		
<i>Betula pubescens</i>	Betu	N		n	0.40	2000		p	Ph	w	0				5	4			2399	779	0	3.4	14.4	1123	1		7	7	4	4	0		
<i>Bidens cernua</i>	Aste	N		n	-0.54	67		a	Th	h	0				7	6			874	281	2	3.9	15.5	883	13, 14		8	9	7	7	0		
<i>Bidens tripartita</i>	Aste	N		n	-0.43	67		a	Th	h	0				7	5			1055	222	5	3.9	15.5	884	11, 13		8	8	7	7	0		
<i>Blackstonia perfoliata</i>	Gent	N		n	0.12	45		a	Th	h	0				9	2			787	198	2	4.0	15.8	812	7		8	5	8	2	0		
<i>Blechnum spicant</i>	Blec	N		n	-0.39	50		p	hc	h	0				7	3			2159	831	9	3.5	14.1	1198	1, 2, 10, 16		5	6	3	3	0		
<i>Blysmus compressus</i>	Cype	N		n	-1.28	37		p	hc	h	Rhiz2				7	3	c		384	0	0	3.2	15.2	840	11		8	8	8	3	0		
<i>Blysmus rufus</i>	Cype	N		n	-0.53	37		p	hc	h	Rhiz2				4	3			367	74	0	3.8	13.6	1371	Co	21		8	8	7	4	5	
<i>Bolboschoenus maritimus</i>	Cype	N		n	0.00	100		p	Hy	h	Rhiz1	DRg			8	4			766	216	7	4.3	15.1	1020	Co	21		8	10	8	7	4	
<i>Botrychium lunaria</i>	Ophi	N		n	-0.43	15		p	Gn	h	0				5	6			1109	138	1	3.0	13.8	1259	7, 16		8	4	6	2	0		
<i>Brachypodium pinnatum</i>	Poac	N		n	0.15	90		p	hc	h	Rhiz1				7	4			612	24	0	3.6	15.9	745	7		7	3	8	3	0		
<i>Brachypodium sylvaticum</i>	Poac	N		n	-0.17	95		p	hc	h	0				7	3			2310	787	12	3.7	14.7	1062	1		6	5	6	5	0		
<i>Brassica napus</i>	Bras	AN			2.88	130		a	b	Th	hc	h	0					Gard	1758	144	7	3.6	15.1	914	3, 4, 17		7	4	7	7	0		
<i>Brassica nigra</i>	Bras	NA		n	-0.02	150		a		Th		h	0		7	3			1080	58	11	4.0	15.8	822	3, 4		8	5	7	6	0		
<i>Brassica oleracea</i>	Bras	NA		s	0.90	130		p	Pn		sw	0			8	2			98	0	1	4.9	15.6	922	17, 18		8	4	7	8	3		
<i>Brassica rapa</i>	Bras	AR			0.74	100		a	b	Th	hc	h	0			7	4			1407	630	7	3.9	15.0	993	4		7	5	7	6	0	
<i>Briza maxima</i>	Poac	AN				62		a		Th		h	0			0	3	Eur		239	4	11	4.6	15.8	932	3, 17, 19		7	3	4	2	0	
<i>Briza media</i>	Poac	N		n	-0.75	62		p	hc	h	Rhiz1				7	3			1853	588	2	3.5	14.9	971	7		8	5	7	3	0		
<i>Briza minor</i>	Poac	AR			0.28	55		a		Th		h	0			9	1			92	0	8	5.2	16.1	919	4		7	4	5	5	0	
<i>Bromopsis benekenii</i>	Poac	N		s	0.25	105		p	hc	h	0				7	3	c		64	0	0	3.0	15.3	896	1		5	5	7	5	0		
<i>Bromopsis erecta</i>	Poac	N		n	-0.01	110		p	hc	h	0				7	3			798	48	3	3.7	15.9	764	7		7	4	8	3	0		
<i>Bromopsis inermis</i>	Poac	AN			1.71	150		p	hc	h	Rhiz2				7	4		Eur, As1	263	0	0	3.6	15.9	757	3		8	4	8	5	0		
<i>Bromopsis ramosa</i>	Poac	N		n	-0.18	170		p	hc	h	0				7	3			1887	450	0	3.5	14.9	995	1		4	6	7	7	0		
<i>Bromus commutatus</i>	Poac	N		n	1.07	95		a		Th		h	0			7	3			675	33	0	3.9	16.1	772	3		7	4	8	6	0	
<i>Bromus hordeaceus</i>	Poac	N		n	-0.37	80		a		Th		h	0			8	3			2406	830	14	3.7	14.7	1051	4, 6		8	4	7	4	0	
<i>Bromus racemosus</i>	Poac	N		n	0.74	95		a		Th		h	0			7	3			516	78	0	4.0	15.8	852	3, 6		6	6	7	8	0	
<i>Bromus secalinus</i>	Poac	AR			-1.15	90		a		Th		h	0					Unk	403	19	4	3.9	15.8	816	4		6	4	5	4	0		
<i>Bryonia dioica</i>	Cucu	N		n	-0.50	400		p	Gn	h	0				9	2			1004	0	4	3.6	16.0	726	3		7	5	7	7	0		
<i>Buddleja davidii</i>	Budd	AN			3.73	500		p	Ph	w	0							As	1434	267	14	3.9	15.4	930	3, 17		7	5	7	5	0		
<i>Bunium bulbocastanum</i>	Apia	N	r	0.14	50		p	Gn	h	0					8	2			13	0	0	3.3	16.3	633	4		7	4	9	4	0		
<i>Bupleurum baldense</i>	Apia	N	EN	r		10		a		Th		h	0			9	1			3	0	8	6.1	16.5	808	Co	18, 19		9	3	8	2	0
<i>Bupleurum falcatum</i>	Apia	AN				100		p		hc		h	0			8	5	Eur, As		8	0	0	3.4	16.0	776	3		6	3	9	3	0	
<i>Bupleurum rotundifolium</i>	Apia	AR	EW		-4.58	30		a		Th		h	0					Eur?	287	0	1	3.8	16.0	753	4		8	3	9	4	0		
<i>Bupleurum tenuissimum</i>	Apia	N		s	-0.97	50		a		Th		h	0			8	3			161	0	0	4.2	16.4	684	3, 6		9	7	8	4	3	
<i>Butomus umbellatus</i>	Buto	N		n	-0.04	150	150	p	Hy	h	Rhiz2	DRg			7	4			685	0	0	3.7	16.0	715	13, 14		7	11	7	7	0		
<i>Buxus sempervirens</i>	Buxa	N		r	2.54	500		p	Ph	w	0				9	2			2	0	0	3.7	16.6	716	1, 3		4	4	8	5	0		
<i>Cakile maritima</i>	Bras	N		n	-0.38	30		a		Th		h	0			6	3			576	131	13	4.4	14.6	1011	Co	19		9	6	7	7	3
<i>Calamagrostis canescens</i>	Poac	N		n	-0.33	120		p	hc	h	Rhiz2				5	4	c		293	0	0	3.4	15.7	723	11		7	9	7	5	0		
<i>Calamagrostis epigejos</i>	Poac	N		n	0.47	200		p	hc	h	Rhiz2				5	5			936	9	4	3.7	15.7	812	3, 11		7	7	7	6	0		
<i>Calamagrostis purpurea</i>	Poac	N		r		150		p		hc		h	Rhiz2			4	4			10	0	0	1.6	13.1	1346	1, 11		7	8	6	3	0	
<i>Calamagrostis scotica</i>	Poac	NE	VU	r		100		p		hc		h	Rhiz1			4	1			1	0	0	3.6	12.8	888	11		8	8	6	4	0	

Taxon name	Fam	NS	CS	RS	Chg.	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Calamagrostis stricta</i>	Poac	N		r	-0.74	100	p	hc		h	Rhiz1			2	6			22	6	0	2.9	14.2	928	11	9	9	4	2	0			
<i>Calendula officinalis</i>	Aste	AN				50	a	Th		h	0						Unk	764	24	10	4.0	15.7	822	3, 17	8	5	7	7	0			
<i>Callitrichia brutia</i>	Call	N		n		25	a	Hz		h	Node2			9	1			213	63	3	4.1	14.9	1087	13	8	10	5	5	0			
<i>Callitrichia hamulata</i>	Call	N		n		80	a	p	Hz	Hy	h	Node2	Irreg	5	2			1758	282	6	3.3	14.2	1162	13, 14	7	11	6	5	0			
<i>Callitrichia hamulata sens.lat.</i>	Call	N		n	1.12	25	80	a	p	Hz	Hy	h	Node2	Irreg	6	3			1758	282	6	3.3	14.2	1162	11, 13, 14	7	10	5	5	0		
<i>Callitrichia hermaphroditica</i>	Call	N		n	0.21	50	p	Hy		h	Irreg			4	6			392	115	0	3.1	13.7	1120	13	7	12	7	5	1			
<i>Callitrichia obtusangula</i>	Call	N		n	1.35	60	p	Hy		h	Irreg			8	2			757	157	4	4.1	15.7	840	13, 14	7	11	7	6	1			
<i>Callitrichia platycarpa</i>	Call	N		n		15	100	a	p	Hz	Hy	h	Node2	Irreg	7	3			1006	173	5	3.7	15.1	947	11, 13	6	10	7	7	0		
<i>Callitrichia stagnalis</i>	Call	N		n		15	60	a	p	Hz	Hy	h	Node2	Irreg	7	3			1488	346	5	3.7	14.6	1083	13	7	10	6	6	1		
<i>Callitrichia stagnalis sens.lat.</i>	Call	N		n	1.51	15	80	a	p	Hz	Hy	h	Node2	Irreg	7	3			2647	769	11	3.5	14.4	1105	11, 13, 14	6	10	6	6	0		
<i>Callitrichia truncata</i>	Call	N		s	0.47	20	a	Hz		h	0			9	1			52	1	2	4.1	16.1	719	13, 14	7	12	7	7	0			
<i>Calluna vulgaris</i>	Eric	N		n	-0.64	60	p	Ch	Pn	w	0		Node1	5	3			2434	905	11	3.5	14.3	1157	10, 12	7	6	2	2	0			
<i>Caltha palustris</i>	Ranu	N		n	-0.26	40	p	hc		h	0		Stol2	3	6			2636	802	0	3.4	14.4	1111	11	7	9	6	4	0			
<i>Calystegia pulchra</i>	Conv	AN			2.78	300	p	Gn		h	Rhiz2					Unk	694	116	2	3.5	14.9	1020	3, 17	6	5	7	7	0				
<i>Calystegia sepium</i>	Conv	N		n	0.69	200	p	Gn		h	Rhiz2			7	6			2175	881	14	3.8	14.9	1021	11, 14	7	8	7	7	1			
<i>Calystegia silvatica</i>	Conv	AN			0.47	300	p	Gn		h	Rhiz2					Eur	1790	344	13	3.8	15.2	933	3, 17	5	5	7	6	0				
<i>Calystegia soldanella</i>	Conv	N		n	-0.58	30	p	Gn		h	Rhiz2			9	1			289	67	10	4.8	15.4	959	Co	19	9	4	7	4	3		
<i>Camelina sativa</i>	Bras	AR				100	a	b	Th	hc	h	0				Unk	248	17	3	3.9	15.6	793	4, 17	7	4	7	6	0				
<i>Campanula glomerata</i>	Camp	N		n	-0.51	20	p	hc		h	0			7	5	c		432	0	0	3.4	15.8	737	7	8	4	7	3	0			
<i>Campanula latifolia</i>	Camp	N		n	-0.23	120	p	hc		h	0			7	3			944	0	0	2.9	14.6	914	1	4	5	7	6	0			
<i>Campanula patula</i>	Camp	N		s	-0.77	60	b	hc		h	0			7	3	c		118	0	0	3.6	16.0	772	1, 3	8	5	7	5	0			
<i>Campanula persicifolia</i>	Camp	AN			2.80	80	p	hc		h	Rhiz1			7	3	c	Eur	369	1	1	3.5	15.5	825	1, 3	6	5	7	6	0			
<i>Campanula portenschlagiana</i>	Camp	AN				30	p	hc	Ch	h	Rhiz1					Eur	337	11	5	4.5	15.8	967	3, 17	6	5	7	6	0				
<i>Campanula poscharskyana</i>	Camp	AN				30	p	hc	Ch	h	Rhiz1					Eur	451	7	5	4.2	15.8	927	3, 17	6	5	7	6	0				
<i>Campanula rapunculoides</i>	Camp	AN			-1.24	80	p	Gn		h	Rhiz2			7	3		Eur	585	16	0	3.4	15.5	763	13, 17	6	4	7	5	0			
<i>Campanula rapunculus</i>	Camp	AR			-2.16	80	b	hc		h	0			8	3			109	0	0	3.5	15.8	719	3, 17	7	3	7	4	0			
<i>Campanula rotundifolia</i>	Camp	N		n	-0.92	45	p	hc		h	Rhiz1			5	6			2294	270	0	3.2	14.4	1104	7	7	4	5	2	0			
<i>Campanula trachelium</i>	Camp	N		n	0.14	90	p	hc		h	0			7	3			555	17	0	3.6	16.0	753	1	4	5	7	6	0			
<i>Capsella bursa-pastoris</i>	Bras	AR			-1.01	50	a	Th		h	0			6	4			2632	917	14	3.6	14.6	1073	4, 17	7	5	7	1	0			
<i>Cardamine amara</i>	Bras	N		n	0.00	50	p	hc		h	Node1			7	3			1117	39	0	2.9	14.7	943	1, 14	6	9	7	6	0			
<i>Cardamine bulbifera</i>	Bras	N		s	0.36	70	p	Gn		h	Rhiz1	DRa		7	3	c		25	0	0	3.7	16.4	780	1	3	5	7	6	0			
<i>Cardamine flexuosa</i>	Bras	N		n	1.06	50	p	a	hc	Th	h	0		7	3			2580	861	12	3.5	14.5	1110	1	5	7	6	6	0			
<i>Cardamine hirsuta</i>	Bras	N		n	0.69	30	a	Th		h	0			8	4			2519	791	14	3.6	14.6	1070	16	8	5	6	6	0			
<i>Cardamine impatiens</i>	Bras	N		s	-0.09	80	b	hc		h	0			7	5			159	1	0	3.3	15.5	933	1, 3	6	5	8	7	0			
<i>Cardamine pratensis</i>	Bras	N		n	0.42	60	p	hc		h	0	Leaf		3	6			2721	931	10	3.5	14.4	1104	6, 11	7	8	5	4	0			
<i>Carduus crispus</i>	Aste	N		n	-0.18	135	b	hc		h	0			7	4			1464	58	1	3.5	15.4	832	3	7	4	8	7	0			
<i>Carduus nutans</i>	Aste	N		n	-0.15	100	b	hc		h	0			7	4			1235	0	10	3.7	15.7	797	6, 7	7	4	8	5	0			
<i>Carduus tenuiflorus</i>	Aste	N		n	-0.14	75	b	a	hc	Th	h	0		8	2			449	132	14	4.6	15.4	892	3, 6	8	4	7	4	0			
<i>Carex acuta</i>	Cype	N		n	-0.46	120	p	hc	Hy	h	Rhiz2			5	4			707	87	0	3.5	15.5	830	11	7	9	7	5	0			
<i>Carex acutiformis</i>	Cype	N		n	0.16	150	p	hc	Hy	h	Rhiz2			7	4			1501	195	1	3.5	15.3	889	11	7	9	7	6	0			
<i>Carex appropinquata</i>	Cype	N		s	-0.17	80	p	hc		h	0			5	4	c		38	13	0	3.5	15.5	752	11	7	9	8	4	0			
<i>Carex aquatilis</i>	Cype	N		n	0.76	110	p	Hy	hc	h	Rhiz2			2	6			219	39	0	2.3	13.2	1255	11, 13	8	10	4	3	0			
<i>Carex arenaria</i>	Cype	N		n	-0.27	40	p	hc		h	Rhiz2			7	3			700	186	13	4.3	14.7	1063	Co	19	8	3	5	2	1		
<i>Carex atrata</i>	Cype	N		s	-0.02	50	p	hc		h	0			2	6			57	0	0	-0.3	11.1	1980	15, 16	7	5	6	3	0			
<i>Carex atrofusca</i>	Cype	N		r	-0.11	35	p	hc		h	0gr			1	6			5	0	0	-0.4	11.2	1917	11, 15	8	9	7	3	0			
<i>Carex bigelowii</i>	Cype	N		n	-0.20	30	p	hc		h	Rhiz1			1	6			402	42	0	1.8	12.1	1800	15	7	5	2	2	0			

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Carex binervis</i>	Type	N		n	-0.17	90		p	hc		h	0			7	1			1927	647	3	3.3	14.0	1243		8, 10, 16	7	6	3	2	0	
<i>Carex buxbaumii</i>	Type	N	VU	r		70		p	hc		h	Rhiz1			4	4	c			3	1	0	3.3	13.5	1410		11	8	8	7	2	0
<i>Carex capillaris</i>	Type	N		s	-0.35	40		p	hc		h	0gr			2	6				120	0	0	1.2	11.9	1636		7	9	6	8	2	0
<i>Carex caryophyllea</i>	Type	N		n	-0.20	15		p	hc		h	Rhiz1			7	4			1866	437	11	3.4	14.7	1079		7	7	4	7	2	0	
<i>Carex chordorrhiza</i>	Type	N	VU	r		40		p	hc		h	Rhiz2			2	6	c			4	0	0	1.4	11.9	1176		11	9	9	4	3	0
<i>Carex curta</i>	Type	N		n	0.17	50		p	hc		h	Rhiz1			4	6			1190	219	0	2.7	13.6	1303		11	8	9	3	2	0	
<i>Carex davalliana</i>	Type	N	EX	x		25		p	hc		h	0			7	3	c			1	0	0	4.0	16.3	833		11	9	9	8	2	0
<i>Carex depauperata</i>	Type	N	CR	r		60		p	hc		h	Rhiz1			9	2				9	1	0	4.1	15.8	823		3	5	4	7	4	0
<i>Carex diandra</i>	Type	N		n	0.22	60		p	hc		h	Rhiz1			5	6			378	294	0	3.6	14.4	1042		11	8	9	5	3	0	
<i>Carex digitata</i>	Type	N		s	0.04	15		p	hc		h	0			5	3	c			39	0	0	3.3	15.5	859		1, 16	5	5	8	4	0
<i>Carex dioica</i>	Type	N		n	-0.35	30		p	hc		h	Rhiz1			2	6			1100	204	0	2.7	13.2	1404		11	8	9	6	2	0	
<i>Carex distans</i>	Type	N		n	-0.47	72		p	hc		h	0			8	3			814	213	9	4.3	15.0	1039	Co	21	8	6	7	5	3	
<i>Carex disticha</i>	Type	N		n	-0.03	90		p	hc		h	Rhiz2			7	4			1227	481	3	3.6	15.0	910		11	7	8	6	4	0	
<i>Carex divisa</i>	Type	N		s	-0.35	70		p	hc		h	Rhiz1			9	2			162	41	1	4.4	16.4	727		6	8	7	7	6	3	
<i>Carex divulsa</i>	Type	N		n		82		p	hc		h	0			8	4			780	247	6	4.2	15.8	844		3, 6, 7	7	4	7	6	0	
<i>Carex echinata</i>	Type	N		n	-0.75	40		p	hc		h	0			5	3			2100	783	4	3.4	14.1	1207		11, 12, 14	8	8	3	2	0	
<i>Carex elata</i>	Type	N		n	-0.32	95		p	Hy	hc	h	0			7	5			294	225	0	3.8	15.2	903		11	7	10	7	5	0	
<i>Carex elongata</i>	Type	N		s	0.06	80		p	hc		h	0			5	4	c		72	18	0	3.6	15.5	899		1	5	8	6	6	0	
<i>Carex ericetorum</i>	Type	N		s	-0.46	17		p	hc		h	Rhiz1			5	4	c		33	0	0	2.9	15.3	801		7	8	4	7	1	0	
<i>Carex extensa</i>	Type	N		n	-0.23	40		p	hc		h	0gr			8	3			440	199	9	4.5	14.5	1228	Co	21	8	7	7	5	4	
<i>Carex filiformis</i>	Type	N		r	0.23	50		p	hc		h	Rhiz2			7	4	c		13	0	0	3.5	16.3	708		6, 7	7	7	8	5	0	
<i>Carex flacca</i>	Type	N		n	0.53	50		p	hc		h	Rhiz2			8	3			2706	950	10	3.5	14.5	1104		7, 11	7	5	6	2	0	
<i>Carex flava</i>	Type	N	VU	r		70		p	hc		h	0			5	3			1	0	0	3.2	14.7	1585		1, 11	7	9	8	2	0	
<i>Carex hirta</i>	Type	N		n	0.17	70		p	hc		h	Rhiz2			7	3			1958	576	10	3.7	15.0	963		6	7	7	7	6	0	
<i>Carex hostiana</i>	Type	N		n	-0.05	57		p	hc		h	0			7	3			1578	423	0	3.2	13.8	1290		11	8	9	6	2	0	
<i>Carex humilis</i>	Type	N		s	-0.01	10		p	hc		h	0gr			7	5	c		30	0	0	3.9	16.1	845		7	8	3	8	2	0	
<i>Carex lachenalii</i>	Type	N		r	-0.22	20		p	hc		h	Rhiz1			1	6			9	0	0	-1.1	10.4	1948		11, 15	8	7	4	1	0	
<i>Carex laevigata</i>	Type	N		n	-0.01	120		p	hc		h	0			7	1			1012	297	6	3.6	14.4	1240		1, 16	5	8	5	4	0	
<i>Carex lasiocarpa</i>	Type	N		n	0.73	120		p	Hy	hc	h	Rhiz2			4	6			461	169	0	3.1	13.6	1383		11	8	10	6	3	0	
<i>Carex limosa</i>	Type	N		n	0.14	40		p	Hy	hc	h	Rhiz2			4	6			423	198	0	3.3	13.4	1431		11, 12	8	10	4	1	0	
<i>Carex magellanica</i>	Type	N		s	-0.02	40		p	hc		h	Rhiz1			4	6			131	8	0	1.7	12.8	1808		12	9	9	2	1	0	
<i>Carex maritima</i>	Type	N		s	-1.34	18		p	hc		h	Rhiz2			1	6			83	0	0	3.6	12.9	964	Co	19	9	8	7	2	3	
<i>Carex microglochin</i>	Type	N	VU	r		12		p	hc		h	Rhiz2			1	3			1	0	0	-0.7	11.0	1855		11	9	9	8	2	0	
<i>Carex montana</i>	Type	N		s	0.68	35		p	hc		h	Rhiz1			7	3	c		48	0	0	4.0	15.5	1193		6, 8	7	6	4	1	0	
<i>Carex muricata</i>	Type	N		n		85		p	hc		h	0			8	4			912	65	11	3.8	15.4	939		3, 7, 8	7	4	6	4	0	
<i>Carex nigra</i>	Type	N		n	-0.01	70		p	hc		h	Rhiz2			5	4			2582	876	5	3.5	14.3	1131		11	7	8	4	2	0	
<i>Carex norvegica</i>	Type	N	VU	r		30		p	hc		h	0			1	6			6	0	0	-0.8	10.8	1901		15	8	7	7	2	0	
<i>Carex ornithopoda</i>	Type	N		r	0.28	15		p	hc		h	0			4	3			15	0	0	2.1	13.8	1272		7, 16	8	3	9	3	0	
<i>Carex otrubae</i>	Type	N		n	-0.14	100		p	hc		h	0			8	4			1636	405	9	4.0	15.3	939		11	6	8	7	2	0	
<i>Carex ovalis</i>	Type	N		n	-0.21	90		p	hc		h	0			5	4			2422	743	7	3.4	14.3	1138		3, 10	7	7	5	4	0	
<i>Carex pallescens</i>	Type	N		n	-0.51	60		p	hc		h	0			5	4			1596	183	1	3.0	14.2	1236		1	6	6	5	4	0	
<i>Carex panicea</i>	Type	N		n	-0.31	50		p	hc		h	Rhiz2			5	3			2526	897	6	3.5	14.3	1139		11	8	8	4	2	0	
<i>Carex paniculata</i>	Type	N		n	-0.11	150		p	hc	Hy	h	0			7	3			1516	500	5	3.7	14.9	1036		1, 11	6	9	6	6	0	
<i>Carex pauciflora</i>	Type	N		n	-0.59	25		p	hc		h	Rhiz1			4	6			377	4	0	1.7	12.1	1789		12	8	9	1	1	0	
<i>Carex pendula</i>	Type	N		n	1.30	150		p	hc		h	0			8	3			1409	305	10	3.9	15.3	928		1, 14	5	8	7	6	0	
<i>Carex pilulifera</i>	Type	N		n	-0.04	35		p	hc		h	0			7	3			2111	441	8	3.3	14.1	1197		8	7	5	3	2	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Carex pseudocyperus</i>	Type	N		n	-0.27	90	p	hc	Hy	h	0			7	4			672	72	3	3.8	16.0	754	11		7	9	6	6	0		
<i>Carex pulicaris</i>	Type	N		n	-0.51	30	p	hc		h	Rhiz1			7	2			1874	656	4	3.3	13.9	1239	11, 16		8	7	5	2	0		
<i>Carex punctata</i>	Type	N		s	0.15	72	p	hc		h	0			8	2			56	42	7	5.3	15.4	1125	Co	18		9	7	7	3	3	
<i>Carex rariflora</i>	Type	N		r	0.28	20	p	hc		h	Rhiz1			1	6			17	0	0	-1.2	10.6	1541	15		8	9	3	2	0		
<i>Carex recta</i>	Type	N	VU	r		85	p	hc	Hy	h	Rhiz2			4	1			4	0	0	3.1	13.1	936	11		8	9	7	5	3		
<i>Carex remota</i>	Type	N		n	0.04	67	p	hc		h	0			7	3			1879	675	5	3.7	14.8	1063	1, 14		4	8	6	6	0		
<i>Carex riparia</i>	Type	N		n	0.18	130	p	hc	Hy	h	Rhiz2			7	4			1186	160	4	3.9	15.7	814	11, 14		7	9	7	7	0		
<i>Carex rostrata</i>	Type	N		n	-0.19	100	p	Hy	hc	h	Rhiz2			5	6			1924	731	0	3.3	14.0	1193	11		8	10	4	2	0		
<i>Carex rupestris</i>	Type	N		s	0.27	20	p	hc		h	Rhiz1			1	6			31	0	0	0.7	11.5	1699	15, 16		8	4	7	2	0		
<i>Carex saxatilis</i>	Type	N		s	-0.35	35	p	hc		h	Rhiz2			1	6			71	0	0	0.3	11.3	2262	15		8	9	7	3	0		
<i>Carex spicata</i>	Type	N		n		85	p	hc		h	0			7	3			1043	48	1	3.6	15.7	823	3, 6, 7		7	6	6	4	0		
<i>Carex strigosa</i>	Type	N		n	0.60	72	p	hc		h	0			7	2			417	102	0	3.8	15.7	841	1, 14		3	8	7	6	0		
<i>Carex sylvatica</i>	Type	N		n	0.05	70	p	hc		h	0			7	5			1899	608	2	3.6	14.8	1050	1		4	5	6	5	0		
<i>Carex vaginata</i>	Type	N		s	0.05	40	p	hc		h	Rhiz2			2	6			83	0	0	-0.1	11.3	1904	15		7	6	6	3	0		
<i>Carex vesicaria</i>	Type	N		n	-0.52	120	p	Hy	hc	h	Rhiz1			5	6			913	230	1	3.3	14.6	1072	11		8	10	5	4	0		
<i>Carex viridula</i>	Type	N		n	-0.01	60	p	hc		h	0			5	6			2337	855	9	3.5	14.2	1169	11, 14, 19		8	8	6	2	0		
<i>Carex viridula</i> subsp. <i>brachyrhyncha</i>	Type	N		n		70	p	hc		h	0			7	3			1168	434	2	3.1	13.9	1200	11, 14		8	9	8	2	1		
<i>Carex viridula</i> subsp. <i>oedocarpa</i>	Type	N		n		50	p	hc		h	0			5	2			2203	761	6	3.4	14.2	1194	14		8	8	4	2	0		
<i>Carex viridula</i> subsp. <i>viridula</i>	Type	N		n		25	p	hc		h	0			5	3			477	179	5	3.8	13.9	1278	11, 19		8	7	7	3	1		
<i>Carex vulpina</i>	Type	N	VU	r	-0.57	100	p	hc		h	0			7	4	c		24	0	0	3.9	16.4	731	13		7	9	8	6	0		
<i>Carlina vulgaris</i>	Aste	N		n	-0.85	60	b	hc		h	0			7	4			1131	243	10	3.9	15.3	947	7		8	4	7	2	0		
<i>Carpinus betulus</i>	Betu	N		n	0.84	3000	p	Ph		w	0			7	3			1488	52	9	3.6	15.4	895	1		4	5	5	6	0		
<i>Carpobrotus edulis</i>	Aizo	IAN			0.05	25	p	Ch		w	Node2						SAf	79	8	10	5.7	15.9	962	Co	18, 19		9	3	4	5	3	
<i>Carum carvi</i>	Apia	AR			-2.22	60	b	hc		h	0						Eur?, As1?	303	30	2	3.6	15.0	868	3, 6, 17		8	5	7	6	1		
<i>Carum verticillatum</i>	Apia	N		n	0.22	60	p	hc		h	0			8	1			296	42	1	3.4	13.9	1578	11, 14		7	8	4	2	0		
<i>Castanea sativa</i>	Faga	AR			0.59	3000	p	Ph		w	0						Eur	1693	140	12	3.6	15.2	950	1		5	5	5	5	0		
<i>Catabrosa aquatica</i>	Poac	N		n	-0.69	72	p	Hy	hc	h	Node2			5	3			955	304	3	3.8	15.0	936	13, 14		6	9	7	7	1		
<i>Catapodium marinum</i>	Poac	N		n	0.52	25	a	Th		h	0			9	1			463	172	14	4.8	15.1	1027	Co	18		9	5	7	3	3	
<i>Catapodium rigidum</i>	Poac	N		n	0.35	15	a	Th		h	0			9	2			1216	494	10	4.1	15.5	878	7, 17		8	3	7	2	0		
<i>Centaurea calcitrapa</i>	Aste	AR	VU		-2.34	60	b	hc		h	0						Eur	153	1	3	4.0	16.1	744	3		7	4	7	3	0		
<i>Centaurea cyanus</i>	Aste	AR	EN		-0.39	80	a	Th		h	0			7	3			884	56	5	3.8	15.4	836	3, 4, 17		7	5	6	5	0		
<i>Centaurea nigra</i>	Aste	N		n	-0.25	80	p	hc		h	0			7	2			2658	975	11	3.6	14.5	1093	6, 7		7	5	6	5	0		
<i>Centaurea scabiosa</i>	Aste	N		n	-0.49	105	p	hc		h	0			7	4			1239	125	2	3.8	15.6	832	6, 7		8	3	8	3	0		
<i>Centaurium erythraea</i>	Gent	N		n	0.03	50	b	hc		h	0			8	3			1811	710	14	4.0	15.1	980	7, 19		8	5	6	3	0		
<i>Centaurium littorale</i>	Gent	N		s	0.03	26	b	hc		h	0			7	3			111	3	0	3.8	14.3	1063	Co	19, 21		9	7	8	3	1	
<i>Centaurium pulchellum</i>	Gent	N		n	0.10	20	a	Th		h	0			8	4			457	17	8	4.4	16.1	841	Co	21		8	8	8	3	1	
<i>Centaurium scilloides</i>	Gent	N	VU	r		15	p	Ch		h	0			8	0			3	0	0	5.8	15.4	1170	110		9	3	5	2	0		
<i>Centaurium tenuiflorum</i>	Gent	N	VU	r		35	a	Th		h	0			9	1			3	0	2	5.5	16.5	825	Co	18		8	6	7	4	0	
<i>Centranthus ruber</i>	Vale	AN			1.15	80	p	Ch	hc	h	0						Eur	1361	357	14	4.0	15.5	896	3, 16, 17, 18		8	4	8	5	1		
<i>Cephalanthera damasonium</i>	Orch	N		n	-0.94	55	p	Gn		h	0			7	3			233	0	0	3.7	16.2	763	1		4	4	7	5	0		
<i>Cephalanthera longifolia</i>	Orch	N		s	-0.77	60	p	Gn		h	0			7	3			131	31	0	3.7	14.7	1166	1		5	4	7	4	0		
<i>Cephalanthera rubra</i>	Orch	N	CR	r		55	p	Gn		h	0			7	3			10	0	0	3.8	16.2	797	1		4	3	8	4	0		
<i>Cerastium alpinum</i>	Cary	N		s	-0.84	12	p	Ch		h	Node1			1	3			77	0	0	0.4	11.4	2003	15, 16		9	5	6	2	0		
<i>Cerastium arcticum</i>	Cary	N		s	-0.37	12	p	Ch		h	Rhiz1			1	3			46	0	0	0.8	11.3	2178	15, 16		7	6	4	2	0		

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Cerastium arvense</i>	Cary	N		n	-1.05	30		p		Ch		h	Rhiz2		5	6			814	39	0	3.3	15.3	773	8		8	4	5	3	0	
<i>Cerastium brachypetalum</i>	Cary	AN				30		a		Th		h	0		8	3		Eur		2	0	0	3.4	16.3	657	3, 7		9	3	8	2	0
<i>Cerastium cerastoides</i>	Cary	N		s	-0.05	12		p		Ch		h	Node1		1	3			29	0	0	-0.4	10.8	1994	15		8	8	5	4	0	
<i>Cerastium diffusum</i>	Cary	N		n	0.38	23		a		Th		h	0		7	3			1174	247	12	4.0	14.6	1062	Co	18, 19		9	4	6	3	1
<i>Cerastium fontanum</i>	Cary	N		n	1.40	30		p		Ch		h	Rhiz1	Node1	5	4			2805	985	14	3.5	14.4	1106	6		7	5	5	4	0	
<i>Cerastium glomeratum</i>	Cary	N		n	1.44	30		a		Th		h	0		8	3			2631	823	14	3.6	14.5	1079	3, 5		7	5	6	5	0	
<i>Cerastium nigrescens</i>	Cary	NE	VU	r		5		p		Ch		h	0		4	1				2	0	0	3.0	11.5	1256	16		9	3	5	1	0
<i>Cerastium pumilum</i>	Cary	N		s	-0.17	11		a		Th		h	0		7	3			87	0	0	4.1	16.2	806	7		8	2	8	1	0	
<i>Cerastium semidecandrum</i>	Cary	N		n	0.50	14		a		Th		h	0		7	3			1117	61	12	3.7	15.3	846	8, 18, 19		8	3	6	3	0	
<i>Cerastium tomentosum</i>	Cary	AN			2.97	30		p		Ch		h	Rhiz2	Node2				Eur	1303	140	8	3.7	15.2	898	3, 17, 19		8	3	7	5	1	
<i>Ceratocapnos claviculata</i>	Fuma	N		n	0.57	75		a		Th		h	0		7	1			1122	20	2	3.3	14.6	1111	1, 9		5	5	4	5	0	
<i>Ceratochloa carinata</i>	Poac	AN			2.09	80		p		hc		h	0					Am4	183	1	2	3.8	16.1	744	3, 4		8	5	6	6	0	
<i>Ceratochloa cathartica</i>	Poac	AN			0.63	100		p		hc		h	0					Am, SAM	184	0	9	4.2	16.1	796	3, 4		7	4	5	5	0	
<i>Ceratophyllum demersum</i>	Cera	N		n	0.87	100		p		Hy		h	Irreg		8	6			927	62	1	3.7	15.8	770	13		7	12	7	7	1	
<i>Ceratophyllum submersum</i>	Cera	N		n	0.39	100		p		Hy		h	Irreg		7	4			208	3	5	3.9	16.3	705	13		7	12	8	8	2	
<i>Ceterach officinarum</i>	Aspl	N		n	-0.30	20		p		hc		h	0		9	2			1093	787	9	4.0	15.0	1061	3, 16		7	3	8	1	0	
<i>Chaenorhinum minus</i>	Scro	AR			-0.63	25		a		Th		h	0		7	3			1468	170	0	3.6	15.3	899	3, 4, 17		8	4	7	4	0	
<i>Chaerophyllum temulum</i>	Apia	N		n	-0.64	100		b		hc		h	0		7	3			1786	0	5	3.6	15.4	890	3		6	5	7	7	0	
<i>Chamaecyparis lawsoniana</i>	Cupr	AN				4100		p		Ph		w	0					Am4	827	46	4	3.6	15.3	965	17		5	5	6	4	0	
<i>Chamaemelum nobile</i>	Aste	N		n	-0.92	30		p		hc		h	Node2		8	2			308	115	13	4.6	15.7	990	8		8	7	5	5	0	
<i>Chamerion angustifolium</i>	Onag	N		n	-0.01	150		p		Gn	hc	h	Root		5	6			2603	650	10	3.4	14.5	1075	3, 17		6	5	6	5	0	
<i>Chelidonium majus</i>	Papa	AR			-0.72	90		p		hc		h	0		7	5			1662	220	9	3.7	15.3	905	3		6	5	8	7	0	
<i>Chenopodium album</i>	Chen	N		n		100		a		Th		h	0		6	5			2340	782	14	3.7	14.8	1018	4		7	5	7	7	1	
<i>Chenopodium album agg.</i>	Chen	N		n	-0.73	100		a		Th		h	0		6	5			2340	782	14	3.7	14.8	1018	4		7	5	7	7	1	
<i>Chenopodium bonus-henricus</i>	Chen	AR			-1.79	50		p		hc		h	0					Eur	1363	81	1	3.4	15.2	883	3		8	5	7	8	0	
<i>Chenopodium chenopodioides</i>	Chen	N		s	-0.17	30		a		Th		h	0		7	4			39	0	2	4.2	16.7	612	Co	6, 21		8	7	7	8	4
<i>Chenopodium ficifolium</i>	Chen	AR				1.90	90	a		Th		h	0		7	4			745	11	7	3.9	16.1	745	4		7	6	6	7	0	
<i>Chenopodium glaucum</i>	Chen	AR			-1.32	50		a		Th		h	0		7	6			157	2	2	4.0	16.1	724	17		8	6	7	9	3	
<i>Chenopodium hybridum</i>	Chen	AR			-0.32	100		a		Th		h	0		7	6			285	0	1	3.7	16.2	695	4		7	4	7	7	0	
<i>Chenopodium murale</i>	Chen	AR			-1.63	100		a		Th		h	0		8	4			412	8	13	4.2	16.0	797	4		8	6	6	7	0	
<i>Chenopodium polyspermum</i>	Chen	AR				0.62	50	a		Th		h	0		7	4			998	8	12	3.9	16.0	794	4		7	6	7	8	0	
<i>Chenopodium rubrum</i>	Chen	N		n	1.00	70		a		Th		h	0		7	4			1267	142	8	3.8	15.7	800	4, 11		7	7	7	8	1	
<i>Chenopodium urbicum</i>	Chen	AR			-4.57	100		a		Th		h	0		7	4			239	1	0	4.0	16.1	762	4		7	5	7	7	0	
<i>Chenopodium vulvaria</i>	Chen	AR	VU		-2.60	35		a		Th		h	0		8	4			180	0	6	4.1	16.1	752	Co	18, 19		7	4	7	9	0
<i>Chrysanthemum segetum</i>	Aste	AR			-1.80	60		a		Th		h	0		8	3			1682	471	10	3.8	14.8	1022	4		7	5	6	5	0	
<i>Chrysosplenium alternifolium</i>	Saxi	N		n	0.62	20		p		hc		h	Stol2		3	6			790	0	0	2.8	14.4	1042	11, 14		5	8	6	6	0	
<i>Chrysosplenium oppositifolium</i>	Saxi	N		n	-0.36	15		p		Ch	hc	h	Node2		7	2			2067	688	6	3.4	14.3	1168	1, 14		5	9	5	5	0	
<i>Cicendia filiformis</i>	Gent	N		s	-0.70	10		a		Th		h	0		9	2			66	37	5	5.4	15.6	1063	10		9	8	3	2	0	
<i>Cicerbita alpina</i>	Aste	N	VU	r		130		p		hc		h	Rhiz2		4	3			4	0	0	-1.3	10.5	1375	15, 16		7	6	6	6	0	
<i>Cicerbita macrophylla</i>	Aste	AN				175		p		hc		h	Rhiz2					Eur	724	42	0	3.3	14.9	920	3, 17		7	5	6	6	0	
<i>Cichorium intybus</i>	Aste	AR			-1.27	110		p		hc		h	0		8	4			1312	60	10	3.8	15.5	840	3		8	4	7	5	0	
<i>Cicuta virosa</i>	Apia	N		s	0.55	150		p		Hy		h	0		5	5	c		139	139	0	3.5	14.8	926	11, 13, 14		7	10	7	5	0	
<i>Circaea alpina</i>	Onag	N		s		30		p		Gn		h	Rhiz2		4	6			40	0	0	2.2	13.0	1836	1		4	7	5	5	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S	
<i>Circaea alpina x lutetiana</i> (<i>C. x intermedia</i>)	Onag	NH		n	0.48	45		p	Gn		h	Rhiz2			7	3			570	49	0	2.7	13.4	1477		1		4	6	6	6	0	
<i>Circaea lutetiana</i>	Onag	N		n	-0.38	60		p	Gn		h	Rhiz2			7	3			2053	748	8	3.7	14.9	1041		1		4	6	7	6	0	
<i>Cirsium acaule</i>	Aste	N		n	-0.52	15		p	hc	'	h	Rhiz1			7	3			734	0	3	3.7	16.1	742		7		9	4	8	3	0	
<i>Cirsium arvense</i>	Aste	N		n	0.47	120		p	Gn		h	Root			7	5			2736	968	14	3.6	14.5	1092		3, 4, 6		8	6	7	6	0	
<i>Cirsium dissectum</i>	Aste	N		n	-0.14	60		p	hc		h	Rhiz1			7	1			539	553	2	4.0	15.0	1043		11		8	8	4	2	0	
<i>Cirsium eriophorum</i>	Aste	N		n	-0.08	150		b	hc		h	0			7	3			447	0	0	3.6	16.0	745		7		8	4	8	5	0	
<i>Cirsium heterophyllum</i>	Aste	N		n	-0.44	120		p	hc		h	Rhiz1			4	4			761	1	0	2.0	12.9	1476		6, 16		7	6	6	5	0	
<i>Cirsium palustre</i>	Aste	N		n	0.15	175		b	hc		h	0			5	4			2697	955	12	3.5	14.5	1105		11, 14		7	8	5	4	0	
<i>Cirsium tuberosum</i>	Aste	N	VU	r	0.41	80		p	hc		h	0			8	2			17	0	0	3.9	16.1	882		7		8	6	8	3	0	
<i>Cirsium vulgare</i>	Aste	N		n	0.80	150		b	hc		h	0			7	4			2789	980	14	3.5	14.5	1103		3, 5, 6, 7		7	5	6	6	0	
<i>Cladonia mariscus</i>	Cype	N		n	0.11	200		p	Hy	Gn	h	Rhiz1			8	4			232	258	1	4.1	14.7	1085		11		8	10	8	4	0	
<i>Claytonia perfoliata</i>	Port	AN			0.50	30	a	Th		h	0							Am4	704	6	10	3.6	15.6	768		4, 17, 19		6	6	5	5	0	
<i>Claytonia sibirica</i>	Port	AN			1.28	40	a	p	Th	hc	h	0						As2, Am4	1166	25	6	3.2	14.4	1092		1, 3		5	7	6	6	0	
<i>Clematis vitalba</i>	Ranu	N		n	0.00	3000		p	Ph		w	0			7	3			954	0	0	4.0	16.0	815		3		6	4	8	5	0	
<i>Clinopodium acinos</i>	Lami	N		n	-1.59	22	a	Th		h	0				7	3			551	0	0	3.6	15.8	778		16		8	2	8	1	0	
<i>Clinopodium ascendens</i>	Lami	N		n	0.04	60		p	hc		h	Rhiz1			7	3			657	64	2	4.2	15.9	854		3, 16		7	5	7	6	0	
<i>Clinopodium calamintha</i>	Lami	N	s	-0.31	60		p	hc		h	Rhiz2			9	2			129	0	4	3.7	16.4	641		3		8	3	9	3	0		
<i>Clinopodium menthifolium</i>	Lami	N	EN	r		60	p	hc		h	Rhiz1			7	3			1	0	0	4.8	16.3	844		1		5	5	8	5	0		
<i>Clinopodium vulgare</i>	Lami	N		n	-0.67	77	p	hc		h	Rhiz1			7	6			1317	0	2	3.5	15.4	880		7		7	4	7	4	0		
<i>Cochlearia anglica</i>	Bras	N		n	0.02	40	b	hc		h	0				7	1			297	95	0	4.5	15.6	917	Co	21		8	8	7	6	6	
<i>Cochlearia atlantica</i>	Bras	NE	DD	r		20	p	hc		h	0				4	1			2	0	0	4.4	12.8	1830	Co	18		8	6	7	5	4	
<i>Cochlearia danica</i>	Bras	N		n	3.31	25	a	Th		h	0				7	1			588	138	14	4.5	14.9	1056	Co	3, 18		9	6	7	5	4	
<i>Cochlearia micacea</i>	Bras	NE	s		10	b	p	hc		h	0				1	1			32	0	0	0.2	11.4	2221		15		8	8	7	2	0	
<i>Cochlearia officinalis</i>	Bras	N		n		30	p	hc		h	0				3	6			1051	279	2	3.9	14.0	1246	Co	18, 21		8	6	7	5	3	
<i>Cochlearia officinalis</i> sens. lat.	Bras	N	n	-0.18	30	b	p	hc		h	0				3	6			1245	308	3	3.7	13.9	1287		18		8	7	7	4	2	
<i>Cochlearia pyrenaica</i>	Bras	IN	s		30	b	p	hc		h	0				1	3			124	5	0	1.5	12.9	1567		11, 16		8	7	8	3	0	
<i>Coeloglossum viride</i>	Orch	N		n	-1.34	22	p	Gn		h	0				4	6			964	214	0	3.2	14.1	1148		7		7	4	6	2	0	
<i>Coincyia monensis</i>	Bras	N	s	0.43	50	b	hc		h	0					8	2			61	0	3	4.2	14.8	1037		3, 17, 19		9	4	6	3	0	
<i>Coincyia wrightii</i>	Bras	NE	VU	r		90	p	Ch	hc	h	0				7	1			1	0	0	5.8	15.7	986	Co	18		9	4	4	3	0	
<i>Colchicum autumnale</i>	Lili	N		n	-0.14	35	p	Gn		h	0tb				7	3			301	10	0	3.6	15.8	809		6		6	6	4	0		
<i>Colutea arborescens</i>	Faba	AN				400	p	Ph		w	0						Eur	166	3	0	3.7	16.3	671		3, 17		7	4	8	3	0		
<i>Conium maculatum</i>	Apia	AR			-0.02	250	b	hc		h	0				8	4			1847	476	13	3.9	15.2	915		3		8	5	7	8	0	
<i>Conopodium majus</i>	Apia	N		n	-0.19	40	p	Gn		h	0				7	1			2520	755	7	3.5	14.5	1102		1, 6		6	5	5	5	0	
<i>Consolida ajacis</i>	Ranu	AN				60	a	Th		h	0						Eur	360	4	7	3.8	16.2	703		3, 4, 17		8	4	8	4	0		
<i>Convallaria majalis</i>	Lili	N		n	0.25	25	p	Gn		h	Rhiz2				5	3			439	0	0	3.3	15.5	831		1, 7		5	5	6	5	0	
<i>Convolvulus arvensis</i>	Conv	N		n	-0.70	100	p	Gn		h	Rhiz2				8	4			1841	435	14	3.8	15.2	929		3, 4		7	4	8	6	0	
<i>Conyza canadensis</i>	Aste	AN			1.12	100	a	Th		h	0						Am	1048	11	10	3.8	16.0	766		3, 4, 17, 19		7	4	7	6	0		
<i>Corallorrhiza trifida</i>	Orch	N	s	0.61	22	p	Gn		h	0					4	6	c		102	0	0	2.5	13.5	956		1, 2		5	5	5	4	0	
<i>Coriandrum sativum</i>	Apia	AN				50	a	Th		h	0						Eur?	201	2	3	3.9	16.0	763		3, 17		8	4	6	5	0		
<i>Cornus sanguinea</i>	Corn	N		n	-0.06	400	p	Ph		w	Root				7	3			1179	52	1	3.7	15.8	810		1, 3		7	5	7	6	0	
<i>Cornus sericea</i>	Corn	AN				300	p	Pn	Ph	w	0	Node1					Am	421	111	0	3.5	15.0	936		1, 3, 17		6	7	5	6	0		
<i>Cornus suecica</i>	Corn	N		n	-0.42	20	p	hc		h	Rhiz2				2	3			218	0	0	0.9	11.6	1853		10, 15		6	6	1	2	0	
<i>Coronopus didymus</i>	Bras	AN			1.77	18	a	Th		h	0						Unk	1284	315	14	4.1	15.5	921		4, 17		9	5	6	7	0		
<i>Coronopus squamatus</i>	Bras	AR			0.33	25	a	Th		h	0					8	3			1290	149	9	4.0	15.7	821		3, 4		7	5	7	7	0
<i>Corrigiola litoralis</i>	Cary	N	CR	r	-0.96	25	a	Th		h	0					8	2			2	0	0	6.2	16.0	1052	Co	19		8	7	5	5	0

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Corylus avellana</i>	Betu	N	n	-0.54	600	p	Ph	w	0						7	3			2470	870	5	3.5	14.6	1094	1, 3	4	5	6	6	0		
<i>Corynephorus canescens</i>	Poac	N	r	0.01	32	p	hc	h	0						8	3			22	0	3	4.1	16.2	649	Co	19	9	1	3	1	0	
<i>Cotoneaster bullatus</i>	Rosa	AN			400	p	Ph	w	0								As1		237	10	0	3.7	15.3	965	1, 3, 16, 17	7	4	7	4	0		
<i>Cotoneaster cambricus</i>	Rosa	AN	EN		150	p	Pn	w	0						7	1	Eur		1	0	0	5.4	15.5	796	7, 16	8	3	7	2	0		
<i>Cotoneaster horizontalis</i>	Rosa	AN			100	p	Pn	w	0								As1		855	63	2	3.8	15.5	933	3, 16, 17	8	3	8	4	0		
<i>Cotoneaster integrifolius</i>	Rosa	AN			100	p	Pn	w	0								As1		537	103	2	3.9	14.7	1194	3, 17	7	3	7	4	0		
<i>Cotoneaster microphyllus</i> agg.	Rosa	AN		1.54	100	p	Pn	w	0								As1		576	135	3	3.9	14.7	1174	3, 16, 17	7	3	7	4	0		
<i>Cotoneaster simonsii</i>	Rosa	AN		3.55	300	p	Pn	Ph	w	0							As1		973	122	5	3.7	14.9	1086	3, 10, 16, 17	6	5	6	4	0		
<i>Crambe maritima</i>	Bras	N	n	0.29	62	p	hc	h	0						7	3			251	46	11	4.8	15.5	938	Co	19	9	5	8	7	3	
<i>Crassula aquatica</i>	Cras	NA	VU	r	8	a	Hz	h	0	Node1					7	6	c		2	0	0	3.2	14.0	1459	14	8	9	5	5	0		
<i>Crassula helmsii</i>	Cras	AN			10	30	p	Hy	Ch	h	Irreg	Node2					Aus, NZ	604	8	8	3.8	15.8	826	13, 14	7	10	6	7	0			
<i>Crassula tillaea</i>	Cras	N	s	0.86	5	a	Th	h	0						9	2			104	0	11	4.1	16.2	734	3	8	7	4	2	0		
<i>Craataegus laevigata</i>	Rosa	N	n	0.32	1000	p	Ph	w	0						7	3			597	0	1	3.5	16.2	674	1	5	5	7	5	0		
<i>Craataegus monogyna</i>	Rosa	N	n	-0.76	1000	p	Ph	w	0						7	3			2496	946	13	3.6	14.7	1073	1, 3	6	5	7	6	0		
<i>Crepis biennis</i>	Aste	N	n	-0.02	120	b	hc	h	0						7	3			288	0	0	3.7	16.3	711	3, 6	8	5	7	6	0		
<i>Crepis capillaris</i>	Aste	IN	n	-0.17	75	a	b	Th	hc	h	0				7	3			2525	907	14	3.6	14.6	1074	7	7	4	7	4	0		
<i>Crepis foetida</i>	Aste	AR	EN		60	b	a	hc	Th	h	0				8	4			33	0	2	4.0	16.4	707	Co	19	9	4	6	3	0	
<i>Crepis mollis</i>	Aste	N	r	-1.20	60	p	hc		h	0					7	3	c		75	0	0	1.7	13.2	1079	7	8	5	7	5	0		
<i>Crepis paludosa</i>	Aste	N	n	-0.27	80	p	hc		h	0					5	3			1162	357	0	2.7	13.4	1334	11, 16	6	7	6	4	0		
<i>Crepis praemorsa</i>	Aste	N	EN	r	60	p	hc		h	0					7	4	c		1	0	0	1.7	13.3	1333	7	8	3	9	3	0		
<i>Crepis vesicaria</i>	Aste	AN		0.60	80	b	hc		h	0							Eur	1227	302	14	4.1	15.7	858	3, 5, 6, 17	8	5	7	7	0			
<i>Crithmum maritimum</i>	Apia	N	n	0.23	45	p	hc		h	0					9	1			301	138	14	5.1	15.4	1042	Co	18	9	6	7	5	5	
<i>Crocosmia aurea x pottsi</i> (<i>C.</i> <i>x crocosmiiflora</i>)	Irid	AN		3.11	60	p	Gn	h	Rhiz1	DRg								Gard	1446	731	12	4.0	14.6	1129	1, 3, 17	7	6	4	4	0		
<i>Cruciata laevipes</i>	Rubi	N	n	-0.77	60	p	hc	h	Rhiz2						7	4			1475	0	1	3.2	15.2	892	6	6	5	7	5	0		
<i>Cryptogramma crispa</i>	Adia	N	n	-0.63	15	p	hc		h	0					4	3			466	23	0	1.8	12.9	1678	10, 15, 16	7	5	2	3	0		
<i>Cuscuta epithymum</i>	Cusc	N	n	-1.28	1	a	Th	h	Stol2						8	4			494	27	12	4.3	15.9	846	10	7	6	2	2	0		
<i>Cuscuta europaea</i>	Cusc	N	s	0.04	2	a	Th	h	Stol2						7	4			126	0	0	3.7	16.4	679	14	6	7	6	7	0		
<i>Cymbalaria muralis</i>	Scro	AN		-0.10	8	p	Ch	h	Node2								Eur	2059	619	14	3.7	15.0	990	3, 16, 17, 19	7	5	7	6	0			
<i>Cynodon dactylon</i>	Poac	NA	VU	r	-0.10	30	p	hc	h	Rhiz2	Node2				8	5			2	0	0	6.4	15.6	1156	3, 5, 17	8	4	7	5	0		
<i>Cynoglossum germanicum</i>	Bora	N	VU	r	-0.52	75	p	hc	h	0					7	3	c		50	0	0	3.7	16.5	676	1	6	5	8	7	0		
<i>Cynoglossum officinale</i>	Bora	N	n	-1.09	75	p	hc		h	0					7	4			718	42	5	3.9	15.8	780	7, 19	8	4	8	6	1		
<i>Cynosurus cristatus</i>	Poac	N	n	0.02	75	p	hc		h	0					7	3			2745	962	13	3.5	14.5	1103	6	7	5	6	4	0		
<i>Cyperus fuscus</i>	Cype	N	VU	r	-0.32	20	a	Th		h	0				8	4			11	0	2	4.4	16.6	758	13	9	8	5	4	0		
<i>Cyperus longus</i>	Cype	N	s	2.22	100	p	hc		h	Rhiz1					8	3			33	0	12	5.7	16.1	943	11, 13	8	9	7	5	0		
<i>Cypripedium calceolus</i>	Orch	N	CR	r		30	p	Gn	h	Rhiz1					5	6	c		22	0	0	2.2	13.9	1270	7	5	4	8	4	0		
<i>Cystopteris dickeana</i>	Wood	N	VU	r		20	p	hc		h	0				?	?			5	0	0	0.9	12.3	1379	16	5	7	8	2	0		
<i>Cystopteris fragilis</i>	Wood	N	n	-0.69	20	p	hc		h	0					3	6			1118	191	0	2.6	13.5	1361	16	6	7	8	4	0		
<i>Cystopteris montana</i>	Wood	N	r	-0.25	15	p	hc		h	Rhiz2					4	6			22	0	0	-0.2	11.3	2151	15, 16	5	7	9	2	0		
<i>Cytisus scoparius</i>	Faba	N	n	0.00	200	p	Pn	w	0						7	3			2268	553	10	3.4	14.6	1085	3	8	5	4	4	0		
<i>Daboecia cantabrica</i>	Eric	N	o	0.12	50	p	Ch	Pn	w	0					8	1			0	33	0	4.5	14.4	1265	10	8	5	3	2	0		
<i>Dactylis glomerata</i>	Poac	N	n	-0.06	120	p	hc		h	0					8	4			2707	981	14	3.6	14.5	1091	6	7	5	7	6	0		
<i>Dactylorhiza fuchsii</i>	Orch	N	n	0.33	50	p	Gn		h	0					7	4			2214	774	5	3.5	14.7	1063	11	7	8	7	3	0		
<i>Dactylorhiza incarnata</i>	Orch	N	n	-0.33	45	p	Gn		h	0					5	4			1189	331	3	3.6	14.4	1127	11	8	9	6	2	0		
<i>Dactylorhiza lapponica</i>	Orch	N	s		21	p	Gn		h	0					4	3			18	0	0	3.2	12.5	1910	11	8	8	6	2	0		

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Dactylorhiza maculata</i>	Orch	N		n	-0.42	40	p	Gn	h 0						5	4			2018	687	7	3.4	14.1	1221	12		7	7	3	2	0	
<i>Dactylorhiza majalis</i>	Orch	N		r	-0.41	30	p	Gn	h 0						7	3			26	159	0	4.7	14.4	1237	11		7	7	5	3	0	
<i>Dactylorhiza praetermissa</i>	Orch	N		n	0.84	50	p	Gn	h 0						7	1			1009	0	5	3.9	15.9	849	11		8	8	7	3	0	
<i>Dactylorhiza purpurella</i>	Orch	N		n	0.47	25	p	Gn	h 0						4	1			1202	151	0	3.1	13.5	1244	11		8	8	7	2	1	
<i>Dactylorhiza traunsteineri</i>	Orch	N		s	0.78	30	p	Gn	h 0						5	4			74	40	0	3.9	14.9	978	11		8	8	7	2	0	
<i>Damasonium alisma</i>	Aliis	N	EN	r	-0.52	30	a	Hz	h 0						9	1			54	0	0	3.9	16.5	707	13		8	10	5	3	0	
<i>Danthonia decumbens</i>	Poac	N		n	-0.40	40	p	hc	h 0						7	3			2368	814	11	3.5	14.3	1160	7, 8		7	6	4	2	0	
<i>Daphne laureola</i>	Thym	N		n	0.10	100	p	Pn	w 0						9	2			844	0	6	3.7	16.0	760	1		4	5	7	5	0	
<i>Daphne mezereum</i>	Thym	NA		s	-0.06	100	p	Pn	w 0						5	4			110	0	0	3.5	15.8	890	1		4	5	7	6	0	
<i>Datura stramonium</i>	Sola	AN			-0.71	100	a	Th	h 0								Am?		801	7	11	3.9	15.9	796	17		8	4	7	8	1	
<i>Daucus carota</i>	Apia	N		n	-0.59	100	b	hc	h 0						8	4			1845	797	14	4.0	15.0	989	6, 7		8	4	7	3	2	
<i>Daucus carota subsp. sativus</i>	Apia	AC				120	b	hc	h 0								Crop		39	1	1	3.6	14.7	913	17		7	5	7	8	0	
<i>Deschampsia cespitosa</i>	Poac	N		n	-0.09	150	p	hc	h 0						3	6			2684	837	3	3.5	14.4	1099	1, 6		6	6	5	4	0	
<i>Deschampsia flexuosa</i>	Poac	N		n	-0.22	60	p	hc	h 0gr						5	3			2298	440	3	3.2	14.1	1177	8, 10		6	5	2	3	0	
<i>Deschampsia sefacea</i>	Poac	N		s	-0.04	70	p	hc	h 0						7	1			125	11	0	3.5	13.6	1211	12, 13		8	9	2	1	0	
<i>Descurainia sophia</i>	Bras	AR			-0.29	100	a	Th	h 0						7	4			636	31	1	3.6	15.6	738	4		8	4	7	6	0	
<i>Dianthus armeria</i>	Cary	N	VU	s	-1.31	60	a	Th	h 0						7	3			206	2	8	4.2	16.2	805	3, 16		8	5	5	3	0	
<i>Dianthus deltoides</i>	Cary	N		s	-0.41	37	p	Ch	sw 0						5	4	c		223	0	1	3.1	15.0	797	7		8	3	5	2	0	
<i>Dianthus gratianopolitanus</i>	Cary	N	VU	r	0.19	20	p	Ch	sw 0						7	3	c		2	0	0	3.8	15.9	979	16		9	2	7	1	0	
<i>Diapensia lapponica</i>	Diap	N	VU	r		6	p	Ch	w 0						1	6			1	0	0	1.8	11.7	2845	15		9	3	4	1	0	
<i>Digitalis purpurea</i>	Scro	N		n	0.72	150	b	hc	h 0						8	2			2555	797	13	3.5	14.5	1120	8, 9		6	6	4	5	0	
<i>Digitaria ischaemum</i>	Poac	AN				35	a	Th	h 0								Eur, As		26	0	0	4.3	16.3	777	3, 4, 17		7	4	5	5	0	
<i>Digitaria sanguinalis</i>	Poac	AN				50	a	Th	h 0								Eur		147	1	10	4.3	16.2	783	3, 4, 17		7	4	5	5	0	
<i>Diphasiastrum alpinum</i>	Lyc	N		n	-0.51	10	p	Ch	sw Rhiz2						1	6			539	49	0	1.9	12.4	1686	15		7	5	2	2	0	
<i>Diphasiastrum complanatum</i>	Lyc	N		r		8	p	Ch	sw Rhiz2						4	6	c		10	0	0	1.0	12.5	1465	10		6	4	1	2	0	
<i>Diplotaxis muralis</i>	Bras	AN			-0.37	60	a	Th	h 0								Eur		943	59	11	4.0	15.8	810	3, 4, 16, 17		8	4	7	6	1	
<i>Diplotaxis tenuifolia</i>	Bras	AR			-0.13	80	p	Ch	hc	h 0					7	3			585	2	13	3.9	15.9	790	3, 16, 17		8	5	7	6	1	
<i>Dipsacus fullonum</i>	Dips	NA		n		200	b	hc	h 0						7	3			1626	150	12	3.8	15.6	863	3, 6, 17		8	7	7	7	0	
<i>Dipsacus fullonum sens. lat.</i>	Dips	NA		n	0.82	200	b	hc	h 0						7	3			1626	150	12	3.8	15.6	863	3, 6, 17		8	7	7	7	0	
<i>Dipsacus pilosus</i>	Dips	N		n	0.06	150	b	hc	h 0						7	3			424	0	0	3.6	16.0	729	1, 3, 16		7	6	8	7	0	
<i>Disphyma crassifolium</i>	Aizo	AN				9	p	Ch	sw Node2								SAf, Aus?		20	0	3	6.0	16.1	898	Co	3, 18, 19	9	3	4	5	3	
<i>Doronicum pardalianches</i>	Aste	AN			0.89	80	p	hc	h Rhiz1								Eur		882	14	0	3.1	14.8	921	1, 3		4	5	6	5	0	
<i>Draba aizoides</i>	Bras	N		r		10	p	Ch	h 0						9	3			2	0	0	5.2	15.9	1191	16		8	4	9	3	0	
<i>Draba incana</i>	Bras	N		n	-0.75	35	b	hc	h 0						2	3			225	29	0	2.3	12.5	1584	7, 16		8	5	7	2	0	
<i>Draba muralis</i>	Bras	N		s	-0.17	50	a	Th	h 0						7	3			41	0	0	2.4	14.4	1151	3, 16		7	6	7	6	0	
<i>Draba norvegica</i>	Bras	N		s	0.00	5	p	Ch	h 0						1	3			33	0	0	0.6	11.2	2311	15, 16		8	5	7	3	0	
<i>Drosera anglica</i>	Dros	N		n	-0.85	13	p	hc	h 0						4	6			601	292	0	3.2	13.4	1422	11, 12		8	9	2	1	0	
<i>Drosera intermedia</i>	Dros	N		n	-0.50	5	p	hc	h 0						7	2			508	198	0	3.7	14.1	1337	12, 14		8	9	2	1	0	
<i>Drosera rotundifolia</i>	Dros	N		n	-0.56	5	p	hc	h 0						5	6			1736	687	2	3.3	13.9	1269	12		8	9	2	1	0	
<i>Dryas octopetala</i>	Rosa	N		s	-0.35	10	p	Ch	w Node2						1	6			99	25	0	2.1	12.4	1734	7, 16		8	4	7	2	0	
<i>Dryopteris aemula</i>	Dryo	N		n	-0.04	60	p	hc	h 0						7	0			436	383	0	4.2	14.1	1373	1, 16		5	6	2	3	0	
<i>Dryopteris affinis</i>	Dryo	N		n	2.44	80	p	hc	h 0						7	3			2272	786	12	3.5	14.3	1160	1, 16		5	6	5	5	0	
<i>Dryopteris carthusiana</i>	Dryo	N		n	1.06	80	p	hc	h 0						5	4			1623	313	0	3.3	14.6	1075	1		6	8	5	4	0	
<i>Dryopteris cristata</i>	Dryo	N		r	-0.68	60	p	hc	h 0						7	4	c		31	0	0	3.6	15.9	659	11		6	9	4	4	0	
<i>Dryopteris dilatata</i>	Dryo	N		n	1.32	150	p	hc	h 0						7	3			2689	932	11	3.5	14.4	1114	1, 2		5	6	4	5	0	
<i>Dryopteris expansa</i>	Dryo	N		n		80	p	hc	h 0						4	6			247	0	0	1.7	12.0	1772	1, 15, 16		7	6	3	2	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S	
<i>Dryopteris filix-mas</i>	Dryo	N	n	n		120		p	hc	h	0			7	6			2650	928	13	3.5	14.5	1096		1, 2		5	6	5	5	0		
<i>Dryopteris filix-mas agg.</i>	Dryo	N	n	n	0.03	120		p	hc	h	0			5	6			2650	928	13	3.5	14.5	1096		1, 2		5	6	5	5	0		
<i>Dryopteris oreades</i>	Dryo	N	n	n	0.24	50		p	hc	h	0			4	2			308	5	0	1.9	12.6	1810		15, 16		7	5	2	2	0		
<i>Dryopteris remota</i>	Dryo	N	x	x		80		p	hc	h	0			4	3			1	1	0	2.7	13.4	1998		1, 2		6	6	4	4	0		
<i>Dryopteris submontana</i>	Dryo	N	s	s	0.10	60		p	hc	h	0			9	3			33	0	0	2.1	13.7	1527		16		8	5	9	3	0		
<i>Echinochloa crus-galli</i>	Poac	AN			0.75	120		a	Th	h	0						NHem	370	4	10	4.0	16.0	785		17		6	5	7	8	0		
<i>Echium plantagineum</i>	Bora	AR	EN		0.36	67		b	hc	h	0			9	1			79	0	7	4.7	15.9	848		4		9	3	5	5	0		
<i>Echium vulgare</i>	Bora	N	n	n	-0.24	90		b	hc	h	0			7	4			1066	41	9	3.8	15.6	822		7		8	4	7	4	1		
<i>Elatine hexandra</i>	Elat	N	n	n	1.07	5	10	a	p	Hz	Hy	h	0		Node1	7	3			212	79	3	3.7	14.2	1365		13		7	10	5	4	0
<i>Elatine hydropiper</i>	Elat	N	s	s	0.66	5	10	a	Hz	h	0			Node1	5	4	c		33	19	0	3.6	14.7	1072		13		7	10	5	5	0	
<i>Eleocharis acicularis</i>	Type	N	n	n	-0.11	10		p	Hy	hc	h	Rhiz2			5	6			366	89	1	3.6	15.2	924		13, 14		7	10	7	5	1	
<i>Eleocharis austriaca</i>	Type	N	r	r		60		p	hc	h	Rhiz2			4	3			14	0	0	1.4	13.2	1348		13, 14		8	9	5	5	0		
<i>Eleocharis multicaulis</i>	Type	N	n	n	0.47	35		p	hc	h	0			7	2			962	330	7	3.7	14.0	1348		11, 12, 13		8	9	4	1	0		
<i>Eleocharis palustris</i>	Type	N	n	n	0.91	60		p	Hy	hc	h	Rhiz2			6	5			2577	756	10	3.5	14.5	1098		11		8	10	6	4	1	
<i>Eleocharis parvula</i>	Type	N	VU	r	0.00	8		p	hc	h	Rhiz2			7	3			15	5	0	4.6	15.3	1130		Co	21	6	9	7	5	3		
<i>Eleocharis quinqueflora</i>	Type	N	n	n	0.02	30		p	hc	h	Rhiz1			5	3			1236	267	4	3.1	13.5	1323		11		9	9	7	2	0		
<i>Eleocharis uniglumis</i>	Type	N	n	n	0.60	60		p	hc	h	Rhiz2			7	6			574	95	2	4.0	14.4	1182		11		8	9	7	4	3		
<i>Eleogiton fluitans</i>	Type	N	n	n	0.37	45	p	Hy	h	Irreg			8	1			889	286	3	3.7	14.2	1259		11		8	11	4	2	0			
<i>Elodea canadensis</i>	Hydr	AN			0.37	300	p	Hy	h	Irreg					Am	1696	424	3	3.6	15.1	936		13, 14		7	12	7	6	0				
<i>Elodea nuttallii</i>	Hydr	AN				300	p	Hy	h	Irreg					Am	808	15	3	3.7	15.8	836		13, 14		6	12	7	7	1				
<i>Elymus caninus</i>	Poac	N	n	n	0.27	110		p	hc	h	0			5	4			1669	122	0	3.3	14.9	981		1, 3		7	6	7	8	0		
<i>Elytrigia atherica</i>	Poac	N	n	n	0.32	105		p	hc	h	Rhiz2			8	3			370	41	8	4.6	15.9	863		Co	19, 21	9	6	7	6	4		
<i>Elytrigia juncea</i>	Poac	N	n	n	-0.28	55		p	hc	h	Rhiz2			8	3			572	180	9	4.4	14.5	1050		Co	19	9	5	7	6	3		
<i>Elytrigia repens</i>	Poac	N	n	n	-0.01	125		p	hc	h	Rhiz2			6	4			2530	837	13	3.6	14.6	1046		3, 4, 19		7	5	7	7	2		
<i>Empetrum nigrum</i>	Empe	N	n	n	-0.29	30		p	Ch	w	Node2			2	6			1359	236	0	2.7	13.2	1381		10, 12, 15		7	6	2	1	0		
<i>Epilobium alsinifolium</i>	Onag	N	n	n	-0.41	20		p	hc	h	Rhiz1			1	3			218	1	0	1.0	11.9	1832		11, 16		8	9	6	4	0		
<i>Epilobium anagallidifolium</i>	Onag	N	n	n	-0.76	10		p	hc	h	Stol1			1	6			236	0	0	0.9	11.6	1880		11, 15		8	8	6	3	0		
<i>Epilobium brunnescens</i>	Onag	AN			1.42	4	p	hc	Ch	h	Node2					NZ	1226	423	2	3.0	13.6	1357		14, 15, 16		7	8	4	3	0			
<i>Epilobium ciliatum</i>	Onag	AN			3.88	75	p	hc	h	0					Am	2005	400	9	3.7	15.0	972		3, 4, 17		7	6	6	6	0				
<i>Epilobium hirsutum</i>	Onag	N	n	n	0.12	150		p	hc	h	Rhiz2			8	5			2036	795	12	3.8	15.0	971		11, 14		7	8	7	7	0		
<i>Epilobium lanceolatum</i>	Onag	N	n	n	0.07	60		p	hc	h	0			9	2			371	0	12	4.4	16.0	937		3, 16, 17		7	5	6	5	0		
<i>Epilobium montanum</i>	Onag	N	n	n	-0.39	75		p	hc	h	0			7	3			2630	894	10	3.5	14.5	1091		3, 16, 17		6	6	6	6	0		
<i>Epilobium obscurum</i>	Onag	N	n	n	0.38	75		p	hc	h	0			7	3			2347	758	8	3.5	14.5	1104		11, 14		6	8	5	5	0		
<i>Epilobium palustre</i>	Onag	N	n	n	-0.18	60		p	hc	h	Rhiz1			5	6			2417	812	3	3.4	14.3	1146		11, 14		7	8	5	3	0		
<i>Epilobium parviflorum</i>	Onag	N	n	n	-0.41	75		p	hc	h	0			7	3			2070	824	11	3.8	14.9	996		11		7	9	7	5	0		
<i>Epilobium roseum</i>	Onag	N	n	n	-0.25	75		p	hc	h	0			7	4			937	24	0	3.6	15.5	893		1, 3, 14, 17		6	8	7	7	0		
<i>Epilobium tetragonum</i>	Onag	N	n	n	1.66	75		p	hc	h	0			7	4			1171	0	7	3.9	15.9	834		3, 17		6	7	5	5	0		
<i>Epipactis atrorubens</i>	Orch	N	s	s	0.16	30		p	Gn	h	0			5	4			60	13	0	3.0	13.8	1328		16		7	4	8	1	0		
<i>Epipactis helleborine</i>	Orch	N	n	n	0.08	80		p	Gn	h	0			7	5			1218	161	0	3.6	15.3	946		1, 7		4	5	7	4	0		
<i>Epipactis leptochila</i>	Orch	N	s	s	0.26	60		p	Gn	h	0			7	3			86	0	0	3.6	15.7	808		1		3	4	9	4	0		
<i>Epipactis palustris</i>	Orch	N	n	n	-0.39	45		p	Gn	h	Rhiz2			7	4			447	160	3	3.9	15.3	915		11		8	8	7	3	0		
<i>Epipactis phyllanthes</i>	Orch	N	s	s	0.19	42		p	Gn	h	0			7	3			134	9	0	3.8	16.0	774		1		3	5	7	4	0		
<i>Epipactis purpurata</i>	Orch	N	n	n	-0.08	65		p	Gn	h	0			7	3			235	0	0	3.6	16.3	728		1		2	5	8	4	0		
<i>Epipactis youngiana</i>	Orch	NE	EN	r		60		p	Gn	h	0			7	1			10	0	0	2.8	14.3	820		1		3	4	5	3	0		
<i>Epipogium aphyllum</i>	Orch	N	CR	x		22		p	Gn	h	Rhiz2			4	5			8	0	0	3.6	16.1	721		1		2	5	7	4	0		
<i>Equisetum arvense</i>	Equi	N	n	n	0.39	90		p	Gn	h	Rhiz2			3	6			2666	921	12	3.5	14.5	1087		13, 4		7	6	6	6	0		

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Equisetum fluviatile</i>	Equi	N		n	0.42	100		p		Gn	Hy	h	Rhiz2		5	6			2494	847	8	3.5	14.4	1116	11		8	10	6	4	0	
<i>Equisetum hyemale</i>	Equi	N		n	0.30	100		p		Gn		h	Rhiz2		5	6			238	112	0	3.0	14.0	1108	1, 11, 14		5	7	7	6	0	
<i>Equisetum palustre</i>	Equi	N		n	0.18	60		p		Gn		h	Rhiz2		5	6			2534	704	8	3.4	14.5	1091	11		7	8	6	3	0	
<i>Equisetum pratense</i>	Equi	N		s	0.11	60		p		Gn		h	Rhiz2		4	6			170	35	0	1.8	12.7	1406	11		7	7	5	4	0	
<i>Equisetum ramosissimum</i>	Equi	AN				120		p		Gn		h	Rhiz2		8	5		Eur, As	2	0	0	4.1	16.3	740	6		8	4	8	5	0	
<i>Equisetum sylvaticum</i>	Equi	N		n	-0.35	90		p		Gn		h	Rhiz2		5	6			1561	334	0	2.9	13.7	1269	1, 16		5	8	5	5	0	
<i>Equisetum telmateia</i>	Equi	N		n	0.41	180		p		Gn		h	Rhiz2		8	3			1248	426	3	3.8	15.2	950	11		6	8	7	6	0	
<i>Equisetum variegatum</i>	Equi	N		s	-0.12	60		p		Gn		h	Rhiz2		2	6			170	129	0	3.4	14.0	1224	11		8	8	8	3	0	
<i>Eranthis hyemalis</i>	Ranu	AN			1.59	15		p		Gn		h	0				Eur	614	0	0	3.4	15.6	716	1, 3, 17		3	5	7	6	0		
<i>Erica ciliaris</i>	Eric	N		r	-0.11	60		p		Ch	Pn	w	0		8	1				19	0	0	5.7	15.9	1011	10, 12		8	7	1	1	0
<i>Erica cinerea</i>	Eric	N		n	-0.94	60		p		Ch	Pn	w	0		7	1			1999	712	13	3.5	14.0	1226	10		7	5	2	2	0	
<i>Erica erigena</i>	Eric	N		o		120		p		Pn		w	0		8	1				0	24	0	4.3	14.0	1395	10, 13, 14		8	8	2	2	0
<i>Erica mackiana</i>	Eric	N		o		60		p		Ch	Pn	w	0		7	0				0	10	0	4.0	13.7	1593	10, 12		8	8	2	1	0
<i>Erica tetralix</i>	Eric	N		n	-0.91	60		p		Ch	Pn	w	Node1		7	2			1962	781	2	3.4	14.0	1230	10, 12		8	8	2	1	0	
<i>Erica vagans</i>	Eric	N		r	-0.07	80		p		Pn		w	0		8	1				6	1	0	6.0	15.5	1047	10		8	6	4	1	0
<i>Erigeron acer</i>	Aste	N		n	0.33	50	a	b	Th	hc	h	0		5	6			974	80	5	3.8	15.9	774	3, 16		8	5	7	3	0		
<i>Erigeron borealis</i>	Aste	N	VU	r	-0.11	20	p		Ch		h	0		1	4				10	0	0	-1.2	10.6	1653	15, 16		9	5	7	2	0	
<i>Erigeron karvinskianus</i>	Aste	AN			2.37	25	p		Ch		h	0					SAM	292	34	11	4.6	15.9	904	3, 16, 17		8	3	7	2	0		
<i>Erinus alpinus</i>	Orob	AN			1.52	20	p		Ch		h	0					Eur	341	55	1	3.3	14.5	1121	3, 16		8	3	8	2	0		
<i>Eriocaulon aquaticum</i>	Erio	N		r	0.18	20	p		Hy		h	Rhiz1	DRa	4	0				8	70	0	4.4	14.1	1435	13		8	11	4	1	0	
<i>Eriophorum angustifolium</i>	Cype	N		n	-0.79	60	p		hc		h	Rhiz2		3	6			2134	831	4	3.4	14.1	1194	12		8	9	4	1	0		
<i>Eriophorum gracile</i>	Cype	N	VU	r	-0.20	60	p		hc		h	Rhiz2		5	6	c			17	14	0	4.5	15.4	1006	11		8	9	4	2	0	
<i>Eriophorum latifolium</i>	Cype	N		n	0.36	60	p		hc		h	Rhiz2		5	3			575	100	0	2.7	13.6	1394	11		9	9	7	2	0		
<i>Eriophorum vaginatum</i>	Cype	N		n	-0.36	50	p		hc		h	Ogr		2	6			1516	560	0	3.1	13.6	1307	12		8	8	2	1	0		
<i>Erodium cicutarium</i>	Gera	N		n		40	a	Th		h	0			8	4				1666	167	14	3.8	15.2	902	19		8	4	6	4	0	
<i>Erodium cicutarium</i> agg.	Gera	N		n	-0.11	40	a	Th		h	0			8	4				1666	167	14	3.8	15.2	902	19		8	4	6	4	0	
<i>Erodium lebelii</i>	Gera	N		s		15	a	Th		h	0			8	2				74	13	3	5.0	15.5	959	Co 19		8	4	7	2	0	
<i>Erodium maritimum</i>	Gera	N		n	0.38	20	a	Th		h	0			8	2				195	33	13	5.3	15.6	996	Co 18, 19		9	4	6	6	3	
<i>Erodium moschatum</i>	Gera	AR			0.47	40	a	Th		h	0			9	1				338	80	14	4.6	15.8	880	3, 4		7	4	6	5	0	
<i>Erophila glabrescens</i>	Bras	N		n		9	a	Th		h	0			?	?				359	40	3	3.5	14.9	997	3, 16, 17		8	3	7	3	0	
<i>Erophila majuscula</i>	Bras	N		s		9	a	Th		h	0			?	?				123	11	0	3.7	15.5	844	3, 16, 17		8	3	7	3	0	
<i>Erophila verna</i>	Bras	N		n		10	a	Th		h	0								1074	177	6	3.6	15.2	918	3, 16, 17		8	3	6	3	0	
<i>Erophila verna</i> sens.lat.	Bras	N		n	0.52	10	a	Th		h	0			8	4				2180	423	11	3.4	14.7	1011	3, 16, 17		8	3	7	3	0	
<i>Erucastrum gallicum</i>	Bras	AN			-0.02	60	a	Th		h	0						Eur	141	25	0	3.9	15.9	809	3, 16		8	4	7	7	0		
<i>Eryngium campestre</i>	Apia	AR	VU		-0.41	75	p		hc		h	0		8	3				46	1	2	4.6	16.1	856	3, 5		9	3	8	3	0	
<i>Eryngium maritimum</i>	Apia	N		n	-0.80	60	p		hc		h	0		8	3				291	106	11	4.7	15.2	1010	Co 19		9	4	6	5	3	
<i>Erysimum cheiranthoides</i>	Bras	AR			-0.65	90	a	Th		h	0						Unk	929	80	2	3.7	15.7	804	3, 4		7	5	7	7	0		
<i>Erysimum cheiri</i>	Bras	AR			1.05	60	p		Ch	Pn	sw	0					Gard	907	97	8	4.0	15.6	848	3, 16, 17		8	4	8	5	1		
<i>Euonymus europaeus</i>	Cela	N		n	0.15	600	p		Ph		w	Root		7	3				1254	483	0	3.9	15.4	904	1, 3		5	5	8	5	0	
<i>Eupatorium cannabinum</i>	Aste	N		n	-0.15	150	p		hc		h	Rhiz1		7	3				1715	410	11	3.9	15.2	974	11		7	8	6	7	0	
<i>Euphorbia amygdaloides</i>	Euph	N		n	-0.22	70	p		Ch		h	0		7	3				704	0	9	4.1	16.1	827	1		4	5	6	6	0	
<i>Euphorbia cyparissias</i>	Euph	AN			0.98	40	p		hc		h	Root		7	3	c	Eur		369	2	2	3.6	15.6	838	3, 4, 7, 19		8	3	7	3	0	
<i>Euphorbia esula x waldsteinii</i> (E. x pseudovirgatea)	Euph	AN				80	p		hc		h	Root					Eur	169	0	1	3.7	16.1	715	3		8	4	8	5	0		
<i>Euphorbia exigua</i>	Euph	AR			-1.18	20	a	Th		h	0			8	3				1039	125	3	3.9	15.8	783	4		6	4	7	5	0	
<i>Euphorbia helioscopia</i>	Euph	AR			-0.77	40	a	Th		h	0			8	5				2114	642	12	3.8	14.9	973	4, 17		7	5	6	6	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Euphorbia hyberna</i>	Euph	N	VU	r		52		p	hc		h	0			8	2			2	137	0	5.2	14.9	1203		1, 3		5	5	5	4	0
<i>Euphorbia lathyrus</i>	Euph	AR			2.16	120		b	Ch		h	0			8	3			956	21	13	3.8	15.8	804		3, 16, 17		6	5	7	5	0
<i>Euphorbia paralias</i>	Euph	N		n	-0.35	52		p	Ch		h	0			9	1			182	65	8	5.1	15.6	987	Co	19		9	4	7	5	3
<i>Euphorbia peplos</i>	Euph	N	EW	x	-1.49	5		a	Th		h	0			9	1			26	1	8	5.8	16.1	969	Co	19		9	4	7	5	3
<i>Euphorbia peplus</i>	Euph	AR			-0.17	30		a	Th		h	0			8	3			1911	525	14	3.8	15.1	950		4, 17		7	4	7	6	0
<i>Euphorbia platyphyllos</i>	Euph	AR			-0.24	70		a	Th		h	0			8	3			248	0	0	3.9	16.3	733		4		7	5	7	5	0
<i>Euphorbia portlandica</i>	Euph	N		n	-0.09	35		p	Ch		h	0			8	1			148	82	14	5.3	15.4	1060	Co	18, 19		8	3	7	3	3
<i>Euphorbia serrulata</i>	Euph	NA	VU	r	1.20	65		a	Th		h	0			8	3			13	0	0	4.1	16.3	812		1, 3		5	6	8	5	0
<i>Euphrasia anglica</i>	Scro	NE		n		20		a	Th		h	0			7	1			375	52	0	4.1	15.3	1081		10, 16		7	5	5	3	0
<i>Euphrasia arctica</i>	Scro	N		n		30		a	Th		h	0			5	1			1095	478	0	3.2	13.6	1315		6, 11		7	5	6	4	0
<i>Euphrasia cambrica</i>	Scro	NE	VU	r		8		a	Th		h	0			1	1			5	0	0	2.8	13.2	2458		15		8	5	5	2	0
<i>Euphrasia campbelliae</i>	Scro	NE		r		10		a	Th		h	0			4	1			11	0	0	4.0	12.5	1638		10, 11		8	6	4	2	0
<i>Euphrasia confusa</i>	Scro	N		n		20		a	Th		h	0			5	1			970	37	3	3.2	13.8	1267		7, 8, 16		8	5	6	2	0
<i>Euphrasia foulaeensis</i>	Scro	N		s		6		a	Th		h	0			4	1			143	0	0	3.6	12.4	1263	Co	18, 21		8	6	6	4	1
<i>Euphrasia frigida</i>	Scro	N		s		20		a	Th		h	0			1	4			118	6	0	1.5	11.8	1981		15, 16		8	6	4	2	0
<i>Euphrasia heslop-harrisonii</i>	Scro	NE		r		15		a	Th		h	0			4	1			20	0	0	3.7	12.6	1695	Co	21		8	7	6	4	3
<i>Euphrasia marshallii</i>	Scro	NE		r		12		a	Th		h	0			4	1			39	0	0	3.8	12.3	1334	Co	18		8	5	6	3	1
<i>Euphrasia micrantha</i>	Scro	N		n		25		a	Th		h	0			7	3			941	190	0	3.0	13.2	1400		8, 10		7	5	2	2	0
<i>Euphrasia nemorosa</i>	Scro	N		n		35		a	Th		h	0			7	3			1498	202	7	3.6	14.8	1037		7, 10		7	5	6	4	0
<i>Euphrasia officinalis agg.</i>	Scro	N		n	-1.61	30		a	Th		h	0			6	3			2600	874	12	3.5	14.4	1131		6, 7, 8, 10		8	5	5	3	0
<i>Euphrasia ostendorfii</i>	Scro	N		r		12		a	Th		h	0			2	1			85	0	1	2.8	12.2	1694		16		9	4	5	2	0
<i>Euphrasia pseudokernerii</i>	Scro	NE		s		20		a	Th		h	0			7	1			167	3	0	3.7	16.1	753		7		7	4	8	3	0
<i>Euphrasia rivularis</i>	Scro	NE		r		15		a	Th		h	0			4	1			14	0	0	2.3	13.2	2450		15, 16		7	7	7	3	0
<i>Euphrasia rostkoviana</i>	Scro	N		n		35		a	Th		h	0			5	3			291	122	1	3.7	14.3	1336		6		7	5	5	3	0
<i>Euphrasia rotundifolia</i>	Scro	NE	EN	r		10		a	Th		h	0			4	1			4	0	0	3.5	12.4	1004	Co	18		8	4	7	2	1
<i>Euphrasia salisburgensis</i>	Scro	N		o		12		a	Th		h	0			2	3			0	39	0	4.6	14.7	1134		16		7	5	8	4	0
<i>Euphrasia scotica</i>	Scro	N		n		25		a	Th		h	0			4	3			601	75	0	2.5	12.8	1575		10, 15		8	5	5	2	0
<i>Euphrasia tetraquetra</i>	Scro	N		n		15		a	Th		h	0			7	1			313	108	10	4.7	14.9	1105		6, 10		8	6	6	3	3
<i>Euphrasia vigurii</i>	Scro	NE	VU	r		20		a	Th		h	0			7	1			33	0	0	5.4	15.3	1263		10		7	5	4	3	0
<i>Exaculum pusillum</i>	Gent	N		o		8		a	Th		h	0			8	2			0	0	1	6.8	16.7	712		19		9	8	3	2	1
<i>Fagopyrum esculentum</i>	Poly	AN			-0.53	60		a	Th		h	0					As1?		501	6	8	3.8	15.8	788		4		8	6	7	7	0
<i>Fagus sylvatica</i>	Faga	N		n	-0.62	3000		p	Ph		w	0			7	3			2397	799	12	3.5	14.7	1061		1		3	5	5	5	0
<i>Fallopia convolvulus</i>	Poly	AR			-1.31	100		a	Th		h	0			6	4			2139	519	13	3.7	14.9	971		3, 4		7	4	7	5	0
<i>Fallopia dumetorum</i>	Poly	N		s	-0.33	200		a	Th		h	0			7	5			69	0	0	3.9	16.4	784		1, 3		6	5	6	7	0
<i>Fallopia japonica</i>	Poly	AN			1.83	200		p	Gn		h	Rhiz2					As2		2060	689	12	3.7	14.8	1043		3, 14, 17		6	7	6	6	0
<i>Fallopia sachalinensis</i>	Poly	AN			1.05	300		p	Gn		h	Rhiz2					As2		507	69	0	3.7	15.3	976		3		6	5	6	7	0
<i>Festuca altissima</i>	Poac	N		n	0.83	120		p	hc		h	0			7	3			241	85	0	2.6	13.6	1410		1, 16		3	5	4	5	0
<i>Festuca arenaria</i>	Poac	N		s		75		p	hc		h	Rhiz2			7	1			108	4	3	4.2	15.4	828		19		8	4	5	3	3
<i>Festuca armoricana</i>	Poac	N		o		40		p	hc		h	0			7	1			0	0	1	6.2	16.9	796		19		8	3	6	3	1
<i>Festuca arundinacea</i>	Poac	N		n	1.71	120		p	hc		h	0			8	4			2082	554	7	3.6	14.9	980		6, 7		8	6	7	6	1
<i>Festuca filiformis</i>	Poac	N		n		35		p	hc		h	Ogr			7	2			821	60	4	3.0	14.3	1100		8		8	4	3	2	0
<i>Festuca gigantea</i>	Poac	N		n	0.46	125		p	hc		h	0			7	3			1885	357	0	3.6	15.1	981		1		5	6	7	7	0
<i>Festuca huonii</i>	Poac	N		o		25		p	hc		h	0			7	0			0	0	7	6.4	16.5	780		16, 18		8	5	4	3	1
<i>Festuca lemanii</i>	Poac	NA		r		66		p	hc		h	0			7	1			7	0	1	3.4	15.3	1079		7, 8, 16		8	4	7	2	0
<i>Festuca longifolia</i>	Poac	N	VU	r		40		p	hc		h	0			7	1			15	0	6	4.8	16.2	751		8		8	3	5	2	0
<i>Festuca ovina</i>	Poac	N		n		43		p	hc		h	Ogr			5	5			1788	584	4	3.5	14.5	1109		7, 8		7	5	4	2	0

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tian	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Festuca ovina</i> agg.	Poac	N		n	-0.15	45		p	hc		h	0gr			3	6			2718	726	13	3.5	14.4	1118	7	8		7	5	4	2	0
<i>Festuca pratensis</i>	Poac	N		n	-0.16	80		p	hc		h	0			5	4			1976	569	4	3.6	14.9	985	6			7	6	6	6	0
<i>Festuca pratensis</i> x <i>Lolium perenne</i> (x <i>Festulolium loliaceum</i>)	Poac	NH		n		65		p	hc		h	0							790	80	4	3.5	15.5	851	6			8	6	7	6	1
<i>Festuca rubra</i>	Poac	N		n		72		p	hc		h	Rhiz2			3	6			2799	974	12	3.5	14.5	1104	3, 5, 6, 21			8	5	6	5	2
<i>Festuca rubra</i> agg.	Poac	N		n	2.96	72		p	hc		h	Rhiz2			3	6			2799	974	12	3.5	14.5	1104	6			8	5	6	5	2
<i>Festuca vivipara</i>	Poac	N		n	0.13	44		p	hc		h	0gr	DRi		2	6			801	182	0	2.7	12.7	1592	15, 16			8	6	3	2	0
<i>Filago gallica</i>	Aste	AR	CR		0.01	20		a	Th		h	0						Eur	21	0	2	3.8	16.4	647	3, 4			9	2	5	2	0
<i>Filago lutescens</i>	Aste	NA	VU	s	-0.34	25		a	Th		h	0			7	3			85	0	0	3.7	16.4	660	3, 4			9	3	4	2	0
<i>Filago minima</i>	Aste	N		n	-0.91	20		a	Th		h	0			7	3			788	105	12	3.6	15.1	904	16			8	3	4	2	0
<i>Filago pyramidata</i>	Aste	AR	EN		-1.14	30		a	Th		h	0			9	2			132	0	2	3.8	16.3	687	4			9	4	7	3	0
<i>Filago vulgaris</i>	Aste	N		n	-1.20	35		a	Th		h	0			8	3			980	78	8	3.8	15.5	832	3			7	4	6	4	0
<i>Filipendula ulmaria</i>	Rosa	N		n	-0.10	120		p	hc		h	Rhiz2			5	5			2692	967	3	3.5	14.5	1105	11			7	8	6	5	0
<i>Filipendula vulgaris</i>	Rosa	N		n	-0.07	50		p	hc	Gn	h	Rhiz1	DRg		7	4			578	8	3	3.6	15.8	776	7			7	4	8	2	0
<i>Foeniculum vulgare</i>	Api	AR			1.17	250		p	hc		h	0			0	3	Eur		961	60	13	4.1	15.9	823	13, 16, 17			9	5	8	5	3
<i>Fragaria vesca</i>	Rosa	N		n	-1.09	30		p	hc		h	Stol2			7	4			2380	819	6	3.5	14.6	1091	1, 7			6	5	6	4	0
<i>Fragaria x ananassa</i>	Rosa	AN			0.42	40		p	hc		h	Stol2					Gard	740	20	5	3.7	15.5	863	3, 17			6	5	8	7	0	
<i>Frangula alnus</i>	Rham	N		n	-0.16	500		p	Ph		w	0			7	4			712	56	0	3.8	15.8	881	1			6	8	5	5	0
<i>Frankenia laevis</i>	Fran	N		s	0.03	8		p	Ch		h	0			8	2			58	0	5	4.4	16.5	680	Co	19, 21		9	8	8	5	5
<i>Fraxinus excelsior</i>	Olea	N		n	-0.73	2500		p	Ph		w	0			7	3			2459	930	10	3.6	14.7	1069	1			5	6	7	6	0
<i>Fritillaria meleagris</i>	Lili	NA		s	0.86	30		p	Gb		h	0			7	3			98	0	0	3.6	16.3	688	6			8	8	7	4	0
<i>Fuchsia magellanica</i>	Onag	AN			1.85	150		p	Pn		w	0					SAm	367	542	7	4.3	14.3	1223	3, 17			6	6	5	5	0	
<i>Fumaria bastardii</i>	Fuma	N		n	0.39	75		a	Th		h	0			9	1			423	330	10	4.5	14.8	1086	4			8	4	6	6	0
<i>Fumaria capreolata</i>	Fuma	N		n	0.31	100		a	Th		h	0			9	2			482	180	11	4.2	14.9	997	3, 16			7	4	6	7	0
<i>Fumaria densiflora</i>	Fuma	AR			-0.37	52		a	Th		h	0			8	3			307	16	0	3.6	15.5	763	4			8	3	8	5	0
<i>Fumaria muralis</i>	Fuma	N		n	1.75	100		a	Th		h	0			8	1			1200	368	13	4.0	14.9	1004	4			7	5	6	6	0
<i>Fumaria occidentalis</i>	Fuma	NE		s	0.04	100		a	Th		h	0			7	1			31	0	0	6.5	15.8	1073	3, 4			7	4	6	5	0
<i>Fumaria officinalis</i>	Fuma	AR			-0.34	52		a	Th		h	0			8	3			1978	304	12	3.6	15.0	912	3, 4			6	5	7	6	0
<i>Fumaria parviflora</i>	Fuma	AR			-0.55	47		a	Th		h	0			8	3			128	0	0	3.6	16.1	703	4			8	4	8	5	0
<i>Fumaria purpurea</i>	Fuma	N		s	0.25	60		a	Th		h	0			7	1			191	37	2	4.1	14.8	978	3, 4			7	4	6	5	0
<i>Fumaria reuteri</i>	Fuma	AN			-0.62	100		a	Th		h	0			8	1	Eur		13	0	1	5.4	16.1	958	3, 4, 17			8	4	6	5	0
<i>Fumaria vaillantii</i>	Fuma	AR			-0.51	42		a	Th		h	0			7	4			116	0	0	3.5	16.2	702	4			8	3	8	5	0
<i>Gagea bohemica</i>	Lili	N	VU	r		9		p	Gb		h	0tb	DRg		8	3	c		1	0	0	2.9	14.7	1008	16			8	2	5	2	0
<i>Gagea lutea</i>	Lili	N		n	0.16	25		p	Gb		h	0tb	DRg		7	3	c		212	0	0	3.0	15.1	861	1, 3, 14, 16			4	6	7	7	0
<i>Galanthus nivalis</i>	Lili	AN			3.01	22		p	Gb		h	0tb	DRg		8	3	Eur		1763	36	5	3.5	15.2	919	1, 3, 17			5	6	7	7	0
<i>Galega officinalis</i>	Faba	AN				150		p	hc		h	0			7	3	c	Eur	352	0	1	3.7	16.2	725	3, 17			8	5	7	8	0
<i>Galeopsis angustifolia</i>	Lami	AR			-3.31	50		a	Th		h	0			7	3			616	43	0	3.8	15.8	791	4, 16			8	2	8	4	0
<i>Galeopsis bifida</i>	Lami	N		n		100		a	Th		h	0			5	5			1135	138	1	3.6	14.9	1011	4			7	5	6	6	0
<i>Galeopsis segetum</i>	Lami	AR	EX			50		a	Th		h	0			7	2			32	0	0	3.7	15.6	789	4			7	4	3	3	0
<i>Galeopsis speciosa</i>	Lami	AR			-1.82	100		a	Th		h	0			5	4			999	84	0	3.1	14.5	1043	4			7	5	7	7	0
<i>Galeopsis tetrahit</i>	Lami	N		n		100		a	Th		h	0			5	3			1725	409	1	3.6	14.8	1025	3			7	5	6	6	0
<i>Galeopsis tetrahit</i> agg.	Lami	N		n	-0.61	100		a	Th		h	0			5	5			2508	623	4	3.5	14.5	1073	3			7	5	6	6	0
<i>Galinsoga parviflora</i>	Aste	AN			0.63	80		a	Th		h	0					SAm	429	2	9	3.8	16.1	721	4, 17			7	4	6	7	0	
<i>Galinsoga quadriradiata</i>	Aste	AN			1.07	80		a	Th		h	0					SAm	524	5	6	3.8	16.0	778	3, 4, 17			7	5	6	6	0	
<i>Galium aparine</i>	Rubi	N		n	-0.09	150		a	Th		h	0			7	3			2672	960	14	3.6	14.6	1080	3, 4, 17			6	6	7	8	0

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Galium boreale</i>	Rubi	N		n	-0.52	45	p	hc		h	Rhiz2				5	6			561	101	0	2.2	12.8	1580	7	16		7	5	7	3	0
<i>Galium constrictum</i>	Rubi	N		r		40	p	hc		h	Rhiz1				9	1			12	0	5	5.0	16.5	799	13			8	9	3	2	0
<i>Galium mollugo</i>	Rubi	N		n	0.04	112	p	hc		h	Rhiz2				5	3			1665	0	14	3.5	15.3	905	7			7	4	7	4	0
<i>Galium odoratum</i>	Rubi	N		n	-0.62	45	p	hc		h	Rhiz2				7	3			1836	350	1	3.4	14.7	1086	1			3	5	7	6	0
<i>Galium palustre</i>	Rubi	N		n	0.07	75	p	hc		h	Rhiz1				5	4			2652	932	9	3.5	14.5	1105	11			7	9	5	4	0
<i>Galium parisiense</i>	Rubi	NA		s	-0.57	30	a	Th		h	0				9	2			63	0	0	3.7	16.3	693	3			8	3	7	2	0
<i>Galium pumilum</i>	Rubi	N		r	-1.32	35	p	hc		h	Node1				7	3			65	0	0	3.7	16.2	754	7			7	4	8	3	0
<i>Galium saxatile</i>	Rubi	N		n	-0.15	30	p	hc		h	Node2				7	2			2489	793	9	3.5	14.3	1148	8, 9			6	6	3	3	0
<i>Galium spurium</i>	Rubi	AN			-1.87	100	a	Th		h	0				7	6	c	NHem	55	0	0	3.9	16.1	755	14			7	5	8	5	0
<i>Galium sterneri</i>	Rubi	N		n	0.69	30	p	hc		h	Node1				4	2			273	35	0	2.0	13.0	1457	7, 16			9	4	7	1	0
<i>Galium tricornutum</i>	Rubi	AR	CR		-4.78	50	a	Th		h	0				8	4			386	1	0	3.8	16.1	736	4			7	4	7	4	0
<i>Galium uliginosum</i>	Rubi	N		n	-0.14	60	p	hc		h	Rhiz1				5	5			1435	102	0	3.2	14.9	961	11			7	9	6	4	0
<i>Galium verum</i>	Rubi	N		n	-0.85	75	p	hc		h	Rhiz2				5	5			2516	730	14	3.5	14.6	1045	7			7	4	6	2	0
<i>Gastridium ventricosum</i>	Poac	NA		s	-0.48	50	a	Th		h	0				9	1			159	0	2	4.6	16.3	839	4, 7			9	3	8	2	0
<i>Gaudinia fragilis</i>	Poac	NA		s		45	a	Th		h	0				9	2			47	0	2	4.5	16.2	865	3, 6			8	5	6	6	0
<i>Gaultheria shallon</i>	Eric	AN				150	p	Pn		w	Rhiz2							Am4	179	14	1	3.6	14.9	1077	1, 10			3	4	4	3	0
<i>Genista anglica</i>	Faba	N		n	-1.09	50	p	Ch	Pn	w	0				7	1			858	0	0	3.0	14.6	1019	10			8	5	3	2	0
<i>Genista pilosa</i>	Faba	N		r	-0.26	40	p	Ch	Pn	w	0				7	3			23	0	0	5.0	15.6	1011	10			8	5	4	1	0
<i>Genista tinctoria</i>	Faba	N		n	-0.77	60	p	Ch	Pn	w	0				7	3			932	0	1	3.6	15.6	880	6			8	6	7	2	0
<i>Gentiana nivalis</i>	Gent	N	VU	r		15	a	Th		h	0				1	3			4	0	0	-0.5	11.2	1853	15, 16			9	5	7	3	0
<i>Gentiana pneumonanthe</i>	Gent	N		s	-0.31	40	p	hc		h	0				7	4			130	0	0	3.7	15.7	806	8, 10			8	7	4	1	0
<i>Gentiana verna</i>	Gent	N		r	0.21	7	p	Ch		h	0				1	3			5	22	0	4.0	14.4	1153	7, 16			8	4	8	1	0
<i>Gentianella amarella</i>	Gent	N		n	-0.75	30	b	hc		h	0				5	6			884	132	0	3.5	14.9	932	7			8	4	8	2	0
<i>Gentianella anglica</i>	Gent	NE		s	-0.32	20	b	hc		h	0				7	1			113	0	0	4.1	16.1	812	7			8	3	8	2	0
<i>Gentianella campestris</i>	Gent	N		n	-1.28	30	b	hc		h	0				5	3			915	153	0	3.1	13.5	1298	7			8	6	6	3	1
<i>Gentianella ciliata</i>	Gent	NA	CR	r		30	b	hc		h	0				7	4	c		2	0	0	3.3	16.1	782	7			8	3	8	2	0
<i>Gentianella germanica</i>	Gent	N		s	-0.17	37	b	hc		h	0				7	3	c		30	0	0	3.3	16.2	725	7			7	4	8	3	0
<i>Gentianella uliginosa</i>	Gent	N	VU	r		15	b	hc		h	0				7	3			9	0	0	5.2	15.1	1221	Co 19			8	8	7	2	0
<i>Geranium columbinum</i>	Gera	N		n	-0.34	60	a	Th		h	0				7	3			887	49	5	4.0	15.6	921	3, 7			7	4	7	1	0
<i>Geranium dissectum</i>	Gera	AR			-0.09	60	a	Th		h	0				8	3			2245	822	14	3.7	14.8	1011	3, 4			7	5	7	6	0
<i>Geranium endressii</i>	Gera	AN			2.07	70	p	hc		h	Rhiz2						Eur	517	24	1	3.5	15.0	991	3, 17			6	5	7	6	0	
<i>Geranium lucidum</i>	Gera	N		n	1.42	40	a	Th		h	0				9	2			1460	323	4	3.6	15.1	991	3, 16			6	4	7	6	0
<i>Geranium molle</i>	Gera	N		n	-0.46	40	a	Th		h	0				8	3			2385	640	14	3.7	14.8	1026	3, 4			7	5	6	5	0
<i>Geranium phaeum</i>	Gera	AN			-0.67	80	p	hc		h	0	Rhiz1					Eur	578	53	0	3.5	15.2	931	1, 3, 17			6	5	6	5	0	
<i>Geranium pratense</i>	Gera	N		n	0.15	100	p	hc		h	0				5	5			1383	2	0	3.0	14.9	922	6			7	6	7	7	0
<i>Geranium purpureum</i>	Gera	N		s	0.22	50	a	Th		h	0				9	1			52	4	11	5.7	16.1	962	3, 16			7	3	6	3	1
<i>Geranium pusillum</i>	Gera	N		n	0.16	40	a	Th		h	0				7	4			1237	22	10	3.7	15.6	784	3			7	4	7	7	0
<i>Geranium pyrenaicum</i>	Gera	AN			1.14	60	p	hc		h	0				7	3	Eur		1266	153	7	3.8	15.6	823	3, 17			8	4	7	6	0
<i>Geranium robertianum</i>	Gera	N		n	-0.41	50	b	a	hc	Th	h	0			7	3			2552	939	13	3.5	14.6	1092	1, 16			5	6	6	6	0
<i>Geranium rotundifolium</i>	Gera	N		n	1.70	40	a	Th		h	0				8	4			446	25	9	4.2	16.2	810	3, 16, 17			7	4	7	6	0
<i>Geranium sanguineum</i>	Gera	N		n	0.83	40	p	hc		h	Rhiz2				7	3			303	45	0	3.7	14.6	996	7, 16			7	4	7	3	0
<i>Geranium sylvaticum</i>	Gera	N		n	-0.45	70	p	hc		h	0				4	4			675	4	0	1.8	13.0	1339	6, 16			6	5	6	5	0
<i>Geum rivale</i>	Rosa	N		n	-0.70	50	p	hc		h	0				5	4			1739	302	0	2.9	14.0	1196	1, 16			6	7	6	4	0
<i>Geum urbanum</i>	Rosa	N		n	-0.53	70	p	hc		h	0				7	4			2330	837	10	3.6	14.7	1044	1			4	6	7	7	0
<i>Gladiolus communis</i>	Irid	AN				100	p	Gn		h	Rhiz1	DRg	0	3	Eur			152	0	12	5.2	16.0	944	3, 4			7	4	5	4	0	
<i>Gladiolus illyricus</i>	Irid	N		r	-0.10	50	p	Gn		h	Rhiz1				9	1			9	0	0	4.5	16.5	794	8, 9			5	4	5	3	0

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Glaucium flavum</i>	Papa	N		n	-0.39	90		p		hc		h	0		9	1			296	64	8	4.7	15.5	933	Co	19		9	5	8	6	3
<i>Glaux maritima</i>	Prim	N		n	-0.41	30		p		Gn	hc	h	Rhiz2		5	6			935	267	11	4.2	14.3	1177	Co	21		8	7	7	5	4
<i>Glechoma hederacea</i>	Lami	N		n	-0.56	30		p		hc		h	Node2		5	5			2242	708	11	3.6	14.9	1001		1, 3		6	6	7	7	0
<i>Glyceria declinata</i>	Poac	N		n	1.79	60		p		hc		h	Node2		7	2			1869	342	8	3.5	14.8	1058		13, 14		7	9	6	6	0
<i>Glyceria fluitans</i>	Poac	N		n	0.89	95		p		Hy		h	Node2		7	3			2662	878	11	3.5	14.5	1098		11, 14		7	10	6	6	0
<i>Glyceria fluitans x notata (G. x pedicellata)</i>	Poac	NH		n		95		p		Hy		h	Node2						719	69	4	3.6	15.5	872		11, 14		7	10	7	6	0
<i>Glyceria maxima</i>	Poac	N		n	0.65	200		p		Hy	hc	h	Rhiz2		7	6			1291	162	0	3.6	15.5	823		11		7	10	7	8	0
<i>Glyceria notata</i>	Poac	N		n	0.31	95		p		Hy		h	Node2		7	3			1455	357	5	3.6	15.2	902		11, 14		7	10	6	7	0
<i>Gnaphalium luteoalbum</i>	Aste	NA	CR	r	0.23	45		a		Th		h	0		8	4			7	0	7	5.0	16.4	716		4, 19		9	7	5	3	0
<i>Gnaphalium norvegicum</i>	Aste	N		s	0.58	30		p		hc		h	0		1	3			18	0	0	-0.5	10.6	2123		15, 16		8	5	4	4	0
<i>Gnaphalium supinum</i>	Aste	N		n	-0.68	12		p		Ch		h	0		1	3			180	0	0	0.7	11.5	2077		15		8	7	3	3	0
<i>Gnaphalium sylvaticum</i>	Aste	N		n	-2.65	45		p		hc		h	0		5	4			1014	159	0	3.0	14.2	1112		3, 10		7	6	4	3	0
<i>Gnaphalium uliginosum</i>	Aste	N		n	0.80	24		a		Th		h	0		5	5			2383	699	12	3.6	14.6	1074		11, 13		7	6	6	5	0
<i>Goodyera repens</i>	Orch	N		n	-0.34	22		p		hc		h	Rhiz2		4	6			186	0	0	2.2	13.2	1030		2		5	5	3	2	0
<i>Groenlandia densa</i>	Pota	N		n	-1.23		65	p		Hy		h	Irreg	Rhiz2	7	3			590	42	0	3.7	15.9	750		13, 14		8	12	8	5	1
<i>Gymnadenia conopsea</i>	Orch	N		n	-0.76	40		p		Gn		h	0		5	5			1341	365	0	3.2	14.2	1187		7, 11		7	6	7	3	0
<i>Gymnocarpium dryopteris</i>	Wood	N		n	-0.21	35		p		Gn		h	Rhiz2		5	6			963	10	0	2.2	13.1	1445		1, 16		4	5	4	4	0
<i>Gymnocarpium robertianum</i>	Wood	N		s	-0.37	45		p		Gn		h	Rhiz2		5	6			113	1	0	2.7	14.6	1168		16		7	3	8	4	0
<i>Hammarbya paludosa</i>	Orch	N		n	-0.32	8		p		hc		h	0	DRI	4	6			302	44	0	2.9	13.3	1615		11		9	9	2	1	0
<i>Hedera helix</i>	Aral	N		n	-0.65	3000		p		Ph	Ch	w	Node2		8	3			2549	964	14	3.6	14.6	1086		1, 3		4	5	7	6	0
<i>Helianthemum apenninum</i>	Cist	N		r	0.12	15		p		Ch		sw	0		9	3			4	0	0	5.3	16.5	873		7		8	1	8	1	0
<i>Helianthemum nummularium</i>	Cist	N		n	-0.70	15		p		Ch		sw	0		7	3			1002	1	0	3.0	14.8	924		7		7	4	7	2	0
<i>Helianthemum oelandicum</i>	Cist	N		s	0.03	12		p		Ch		sw	0		9	3			20	10	0	4.3	14.8	1108		7, 16		8	3	8	1	0
<i>Helianthus annuus</i>	Aste	AN				200		a		Th		h	0					Am	396	14	4	3.9	15.9	784		3, 17		7	6	5	7	0
<i>Helianthus tuberosus</i>	Aste	AN				170		p		Gn		h	Rhiz1					Am	156	1	2	3.8	16.1	719		17		7	7	8	8	0
<i>Helictotrichon pratense</i>	Poac	N		n	0.31	80		p		hc		h	0		7	3			1001	0	1	2.9	14.6	986		7		7	4	7	2	0
<i>Helictotrichon pubescens</i>	Poac	N		n	0.35	100		p		hc		h	0		7	3			1686	406	2	3.5	14.6	1038		6, 7		7	4	7	3	0
<i>Helleborus foetidus</i>	Ranu	N		s	0.86	80		p		Ch		h	0		8	2			125	0	0	3.7	16.0	806		1, 3		5	4	8	3	0
<i>Helleborus viridis</i>	Ranu	NA		n	-0.28	40		p		hc		h	0		7	2			303	0	0	3.5	15.8	805		1, 3		3	5	8	6	0
<i>Heracleum mantegazzianum</i>	Apia	AN		r	2.09	350	b		hc		h	0					Eur	1079	163	2	3.6	15.2	876		3, 14, 17		7	6	6	8	0	
<i>Heracleum sphondylium</i>	Apia	N		n	0.08	175	b		hc		h	0		5	5			2692	959	14	3.6	14.5	1088		3, 6		7	5	7	7	0	
<i>Herminium monorchis</i>	Orch	N		s	-0.93	15	p		Gn		h	Rhiz2		7	5	c		104	0	0	3.6	16.2	770		7		8	5	8	2	0	
<i>Hernaria ciliolata</i>	Cary	N		r		7	p		Ch		h	0		8	0			5	0	7	6.5	16.2	887	Co	18		9	4	5	1	2	
<i>Hernaria glabra</i>	Cary	N		r	0.83	5	b	a	hc	Th	h	0		7	4			16	0	0	3.2	16.1	624		8		8	5	6	2	0	
<i>Hesperis matronalis</i>	Bras	AN			1.53	100	p		hc		h	0					Eur	1709	515	4	3.6	14.8	969		3, 17		7	7	7	7	0	
<i>Hierochloë odorata</i>	Poac	N		r	0.39	55	p		hc		h	Rhiz2		4	6	c		18	1	0	3.4	13.5	1092		11, 13		6	9	7	2	0	
<i>Himantoglossum hircinum</i>	Orch	N	VU	s	-2.40	70	p		Gn		h	0		9	2			113	0	2	3.8	16.3	728		3, 7, 16		7	3	8	2	0	
<i>Hippocrepis comosa</i>	Faba	N		n	-0.54	25	p		Ch		h	0		7	3			348	0	2	3.7	16.0	814		7		8	3	8	2	0	
<i>Hippophae rhamnoides</i>	Elae	N		s	1.27	300	p		Pn	Ph	w	Root		5	3			65	0	0	3.9	16.0	624	Co	19		8	5	7	5	3	
<i>Hippuris vulgaris</i>	Hipp	N		n	-0.05	30	100	p		Hy		h	Rhiz2	Node2	5	6			1142	407	5	3.5	14.7	962		11, 13		7	10	6	4	1
<i>Hirschfeldia incana</i>	Bras	AN				130	a		Th		h	0					Eur	373	21	9	4.1	16.0	870		3, 17		8	3	7	5	0	
<i>Holcus lanatus</i>	Poac	N		n	1.34	100	p		hc		h	0		8	3			2797	977	14	3.5	14.4	1106		3, 6		7	6	6	5	0	
<i>Holcus mollis</i>	Poac	N		n	0.80	100	p		hc		h	Rhiz2		7	3			2537	575	11	3.4	14.5	1101		1, 3, 9		6	6	3	3	0	
<i>Homogyne alpina</i>	Aste	NA	EN	r		30	p		hc		h	Rhiz2		2	3			1	0	0	-1.0	10.7	1417		15, 16		6	6	4	2	0	
<i>Honckenya peploides</i>	Cary	N		n	-0.58	25	p		hc		h	0		3	6			726	211	12	4.3	14.4	1130	Co	19		9	5	7	6	3	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Hordeymus europaeus</i>	Poac	N	s	0.12		120		p	hc		h	0			7	3			185	1	0	3.2	15.5	788	1	6	4	7	7	0		
<i>Hordeum distichon</i>	Poac	AC				75		a	Th		h	0						Crop	714	76	3	3.8	15.4	898	3, 4	8	4	7	7	0		
<i>Hordeum distichon sens.lat.</i>	Poac	AC				87		a	Th		h	0						Crop	714	76	3	3.8	15.4	898	3, 4	8	4	7	7	0		
<i>Hordeum jubatum</i>	Poac	AN				60		p	hc		h	0						As2, Am	349	6	1	3.5	15.4	800	3, 5	9	6	7	6	2		
<i>Hordeum marinum</i>	Poac	N	s	-0.85		37		a	Th		h	0			9	1			146	0	1	4.3	16.4	720	6	9	6	8	6	4		
<i>Hordeum murinum</i>	Poac	AR		-0.04		60		a	Th		h	0			8	4			1497	48	14	3.8	15.6	817	3, 17	8	4	7	6	0		
<i>Hordeum secalinum</i>	Poac	N	n	-0.19		70		p	hc		h	0			7	3			926	30	0	3.8	16.0	742	5	8	6	7	6	1		
<i>Hordeum vulgare</i>	Poac	AC				100		a	Th		h	0						Crop	196	8	1	3.8	15.6	833	3, 4	9	4	7	7	0		
<i>Hornungia petraea</i>	Bras	N	s	0.31		10		a	Th		h	0			7	3			56	0	3	3.5	14.8	1161	16	9	2	8	1	0		
<i>Hottonia palustris</i>	Prim	N	n	-0.63		120		p	Hy		h	Irreg			7	3			463	2	0	3.6	16.0	697	13	7	11	7	5	0		
<i>Humulus lupulus</i>	Cann	N	n	-0.09		450		p	hc		h	Rhiz2			7	4			1273	0	8	3.8	15.8	833	3	6	7	7	8	0		
<i>Huperzia selago</i>	Lyc	N	n	-0.41		10		p	Ch		sw	0			2	6			989	234	0	2.7	13.2	1472	15, 16	7	6	2	2	0		
<i>Hyacinthoides hispanica</i>	Lili	AN				60		p	Gb		h	0tb						Eur	847	76	12	3.9	15.5	866	1, 3, 17	5	4	6	6	0		
<i>Hyacinthoides non-scripta</i>	Lili	N	n	-0.41		50		p	Gb		h	0tb			7	1			2439	760	13	3.6	14.6	1092	1, 9	5	5	5	6	0		
<i>Hydrilla verticillata</i>	Hydr	N	r			100		p	Hy		h	DRa	DRg		8	5	c		2	1	0	3.5	14.2	1555	13	6	12	9	3	0		
<i>Hydrocharis morsus-ranae</i>	Hydr	N	n	-0.89		50		p	Hy		h	Stol1			7	4			323	84	2	3.9	15.8	772	13	7	11	7	7	0		
<i>Hydrocotyle ranunculoides</i>	Apia	AN				20	40	p	Hy		h	Irreg						Am	43	0	0	4.0	16.6	680	13, 14	7	10	7	7	0		
<i>Hydrocotyle vulgaris</i>	Apia	N	n	-0.53		20		p	hc		h	Node2			8	2			2091	842	10	3.7	14.4	1126	11	8	8	6	3	1		
<i>Hymenophyllum tunbrigense</i>	Hyme	N	n	-0.54		8		p	hc		h	Rhiz1			7	0			197	112	0	3.8	14.0	1567	16	4	6	2	3	0		
<i>Hymenophyllum wilsonii</i>	Hyme	N	n	-0.87		10		p	hc		h	Rhiz1			5	0			577	176	0	3.1	13.1	1685	1, 16	5	5	3	3	0		
<i>Hyoscyamus niger</i>	Sola	AR		-1.38		80		b	hc		h	0			8	4			796	87	5	4.0	15.7	799	4	8	4	7	9	0		
<i>Hypericum androsaemum</i>	Clus	N	n	0.78		80		p	Pn		w	0			9	2			1139	744	8	4.0	14.8	1184	1, 3	5	6	6	5	0		
<i>Hypericum calycinum</i>	Clus	AN		0.74		60		p	Ch	Pn	w	Rhiz2						Eur	702	63	2	4.0	15.6	884	3	5	7	5	5	0		
<i>Hypericum canadense</i>	Clus	AN				20		a	Th		h	0						Am	0	3	0	4.6	14.4	1252	11, 14	8	9	2	2	0		
<i>Hypericum elodes</i>	Clus	N	n	-0.46		20	40	p	hc	Hy	h	Node2			7	1			583	260	7	4.2	14.8	1194	11	8	10	3	2	0		
<i>Hypericum hirsutum</i>	Clus	N	n	-0.18		100		p	hc		h	0			7	4			1276	10	0	3.3	15.3	832	6, 7	6	5	7	5	0		
<i>Hypericum humifusum</i>	Clus	N	n	-0.40		10		p	Ch		h	0			7	3			1732	428	12	3.6	14.8	1085	3	7	6	4	3	0		
<i>Hypericum linariifolium</i>	Clus	N	r	0.09		40		p	hc	Ch	h	0			8	1			14	0	9	5.5	15.8	1069	16	7	3	3	2	0		
<i>Hypericum maculatum</i>	Clus	N	n	2.11		60		p	hc		h	Rhiz2			5	3			1180	300	0	3.6	15.0	1016	1, 3, 16	6	6	5	5	0		
<i>Hypericum montanum</i>	Clus	N	n	-0.49		80		p	hc		h	0			7	3			269	0	0	3.8	15.6	867	1, 3	7	4	8	2	0		
<i>Hypericum perforatum</i>	Clus	N	n			80		p	hc		h	Rhiz2	Root		8	4			1906	385	6	3.6	15.1	951	7	7	4	7	5	0		
<i>Hypericum pulchrum</i>	Clus	N	n	-0.32		60		p	hc		h	0			7	2			2427	887	9	3.5	14.3	1148	10, 16	6	5	4	3	0		
<i>Hypericum tetrapterum</i>	Clus	N	n	-0.41		60		p	hc		h	Stol1			7	3			2101	842	11	3.7	14.9	1025	11	7	8	6	4	0		
<i>Hypericum undulatum</i>	Clus	N	s	-0.12		60		p	hc		h	Stol1			8	1			81	0	0	5.6	15.5	1152	11	8	8	4	2	0		
<i>Hypochaeris glabra</i>	Aste	N	n	-1.01		20		a	Th		h	0			8	3			270	5	14	4.0	15.9	754	8	8	4	4	2	0		
<i>Hypochaeris maculata</i>	Aste	N	VU	-0.10		60		p	hc		h	0			7	4	c		17	0	1	3.9	16.1	710	7	8	4	8	3	0		
<i>Hypochaeris radicata</i>	Aste	N	n	0.61		60		p	hc		h	0			8	3			2725	977	14	3.5	14.5	1104	6	8	4	5	3	0		
<i>Iberis amara</i>	Bras	N	s	-1.21		35		a	Th		h	0			8	2			47	0	0	3.5	16.3	710	7	7	4	8	3	0		
<i>Ilex aquifolium</i>	Aqui	N	n	-0.16	1500		p	Ph		w	0			8	2			2353	861	14	3.6	14.7	1079	1	5	5	5	5	0			
<i>Ilecebrum verticillatum</i>	Cary	N	r	-0.60	20		a	Th		h	0	Node1			8	2			37	0	0	5.6	15.7	1062	3, 13	8	7	3	2	0		
<i>Impatiens capensis</i>	Bals	AN		0.71	60		a	Th		h	0							Am6	323	1	0	3.7	16.2	723	13, 14	7	9	7	6	0		
<i>Impatiens glandulifera</i>	Bals	AN		1.85	200		a	Th		h	0							As1	1599	286	6	3.7	15.1	957	14	6	8	7	7	0		
<i>Impatiens noli-tangere</i>	Bals	N	s	-0.77	60		a	Th		h	0				7	5			21	0	0	2.6	13.9	1833	1	4	7	7	6	0		
<i>Impatiens parviflora</i>	Bals	AN		0.10	100		a	Th		h	0							As1	470	1	0	3.5	15.7	821	1	4	5	7	8	0		
<i>Inula conyzae</i>	Aste	N	n	-0.15	125		p	hc		h	0				7	3			860	0	7	3.9	15.9	821	7, 16	7	3	8	3	0		
<i>Inula crithmoides</i>	Aste	N	s	0.09	95		p	hc	Ch	h	0				9	1			121	19	8	5.1	16.1	869	Co	18	9	6	7	5	5	

Taxon name	Fam	NS	CS	RS	Chg.	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Inula helenium</i>	Aste	AR			-0.80	150		p	hc		h	0						Eur, As1	631	100	3	4.0	15.1	973	3, 17	6	6	6	5	0		
<i>Inula salicina</i>	Aste	N		o		60		p	hc		h	Rhiz2			7	5	c		0	3	0	4.7	14.9	1017	16	8	6	9	3	0		
<i>Iris foetidissima</i>	Irid	IN		n	1.47	80		p	hc		h	Rhiz1			8	2			728	0	14	4.2	16.1	821	1	5	4	8	5	0		
<i>Iris germanica</i>	Irid	AN				95		p	hc		h	Rhiz1						Gard	211	1	3	3.9	16.0	734	3, 17	6	4	6	4	0		
<i>Iris pseudacorus</i>	Irid	N		n	0.16	150		p	Gn	Hy	h	Rhiz2			8	3			2563	959	10	3.7	14.6	1081	11	7	9	6	6	1		
<i>Isatis tinctoria</i>	Bras	AR			1.08	150		b	p	hc	h	0						Eur, As	102	2	1	3.8	16.0	733	3, 16	8	3	8	3	0		
<i>Isoetes echinospora</i>	Isoe	IN		n	0.65		15	p	Hy		h	0			4	6			178	32	0	3.2	13.0	1613	13	7	12	5	2	0		
<i>Isoetes histrix</i>	Isoe	N		r			4	p	hc		h	0			9	1			3	0	5	6.6	16.2	829	16	8	7	5	1	0		
<i>Isoetes lacustris</i>	Isoe	N		n	0.95		25	p	Hy		h	0			4	4			522	147	0	2.8	12.9	1660	13	7	12	4	1	0		
<i>Isolepis cernua</i>	Cype	N		n	0.23	15		a	p	Th	hc	h	0		9	1			242	215	10	4.8	14.8	1181	11	8	8	5	3	0		
<i>Isolepis setacea</i>	Cype	N		n	0.53	15		a	p	Th	hc	h	0		7	4			2038	638	10	3.5	14.4	1149	11, 14	7	9	5	3	0		
<i>Jasione montana</i>	Camp	IN		n	-1.08	50		b	hc		h	0			7	3			1076	420	14	4.0	14.8	1152	8, 10	7	4	4	2	0		
<i>Juglans regia</i>	Jugl	AN				2400		p	Ph		w	0						Eur?, As1?	803	11	3	3.7	15.9	779	1, 3	6	4	8	7	0		
<i>Juncus acutiflorus</i>	Junc	N		n	1.16	100		p	hc		h	Rhiz2			7	3			2498	845	11	3.5	14.5	1115	11	8	8	4	2	0		
<i>Juncus acutus</i>	Junc	N		s	0.01	150		p	hc		h	0gr			9	1			41	28	12	5.4	15.7	1031	Co 19	9	8	7	3	3		
<i>Juncus alpinoarticulatus</i>	Junc	N		s	-0.12	30		p	hc		h	Rhiz1			4	6			53	0	0	0.7	12.1	1477	11	9	9	7	2	0		
<i>Juncus ambiguus</i>	Junc	N		n		17		a	Th		h	0			8	3			175	50	1	4.4	14.9	999	Co 19, 21	9	8	7	5	4		
<i>Juncus articulatus</i>	Junc	N		n	1.26	60		p	hc		h	Rhiz2			8	4			2740	956	11	3.5	14.4	1108	11	8	9	6	3	1		
<i>Juncus balticus</i>	Junc	N		s	-0.34	45		p	Gn		h	Rhiz2			2	6			92	0	0	3.3	13.1	1012	Co 19	8	8	5	2	1		
<i>Juncus biglumis</i>	Junc	N		s	-0.17	12		p	hc		h	0gr			1	6			37	0	0	0.5	11.4	2194	11, 15	9	9	8	2	0		
<i>Juncus bufonius</i>	Junc	N		n		25		a	Th		h	0			6	6			1986	724	3	3.6	14.6	1102	3, 11, 13, 14	7	7	6	5	1		
<i>Juncus bufonius sens.lat.</i>	Junc	N		n	1.13	25		a	Th		h	0			6	6			2736	937	14	3.5	14.5	1105	3, 1, 13, 14	7	7	6	5	1		
<i>Juncus bulbosus</i>	Junc	N		n	0.34	30	90	p	hc	Hy	h	Node2	Irreg		5	3			2250	827	8	3.5	14.2	1180	14	7	10	4	2	0		
<i>Juncus capitatus</i>	Junc	N		r		5		a	Th		h	0			8	3			12	0	10	6.3	16.1	889	10	8	6	5	1	0		
<i>Juncus castaneus</i>	Junc	N		s	-0.40	30		p	hc		h	Rhiz2			1	6			44	0	0	0.1	11.2	2291	15	8	8	7	3	0		
<i>Juncus compressus</i>	Junc	N		n	-1.09	30		p	Gn		h	Rhiz1			7	4			430	4	1	3.6	15.9	746	6, 11	8	8	7	5	1		
<i>Juncus conglomeratus</i>	Junc	N		n	0.84	100		p	hc		h	0gr			7	3			2622	798	4	3.5	14.4	1117	11	7	7	4	3	0		
<i>Juncus effusus</i>	Junc	N		n	1.06	120		p	hc		h	0gr			8	3			2753	974	13	3.5	14.4	1108	8, 11	7	7	4	4	0		
<i>Juncus filiformis</i>	Junc	N		s	0.79	30		p	hc		h	0gr			4	6			32	0	0	2.3	13.6	1530	13	7	9	6	4	0		
<i>Juncus foliosus</i>	Junc	N		n		25		a	Th		h	0			8	2			218	88	2	4.3	14.7	1241	11, 13	8	8	6	6	0		
<i>Juncus gerardii</i>	Junc	N		n	-0.13	30		p	hc		h	Rhiz2			6	6			919	271	11	4.2	14.4	1174	Co 21	8	7	7	6	3		
<i>Juncus inflexus</i>	Junc	N		n	0.04	90		p	hc		h	0gr			8	4			1758	631	9	3.8	15.2	925	6, 11	7	7	7	5	1		
<i>Juncus maritimus</i>	Junc	N		n	-0.26	100		p	Gn		h	0gr			8	3			390	196	11	4.7	15.1	1081	Co 21	8	8	8	5	5		
<i>Juncus pygmaeus</i>	Junc	N	EN	r		8		a	Th		h	0			9	1			4	0	0	6.7	15.9	965	3	9	7	4	2	0		
<i>Juncus squarrosum</i>	Junc	N		n		30		p	hc		h	0gr			7	2			1849	484	0	3.1	13.8	1254	8, 12	7	7	2	2	0		
<i>Juncus subnodulosus</i>	Junc	N		n	0.15	120		p	hc		h	Rhiz1			8	3			680	224	2	3.9	15.5	838	11	8	9	8	4	0		
<i>Juncus tenuis</i>	Junc	AN			0.83	40		p	hc		h	0gr						Am, SAm	1053	145	3	3.6	14.6	1267	1, 3, 13	7	7	5	4	0		
<i>Juncus trifidus</i>	Junc	N		n	-0.38	30		p	hc		h	0gr			1	4			177	0	0	1.0	11.5	2162	15	8	5	2	2	0		
<i>Juncus triglumis</i>	Junc	N		n	-0.38	20		p	hc		h	0gr			1	6			200	0	0	0.9	11.8	2085	11, 16	8	9	6	2	0		
<i>Juniperus communis</i>	Cupr	N		n	-0.42	500		p	Ph	Ch	w	0			5	6			1020	145	0	2.8	13.4	1380	7, 10, 15, 16	8	5	5	3	0		
<i>Kickxia elatine</i>	Scro	AR			-0.18	25		a	Th		h	0			8	3			911	41	11	4.1	16.0	813	4	7	4	6	5	0		
<i>Kickxia spuria</i>	Scro	AR			-0.07	25		a	Th		h	0			8	3			622	0	2	3.9	16.2	737	4	7	4	7	5	0		
<i>Knautia arvensis</i>	Dips	N		n	-0.88	100		p	hc		h	0			7	4			1707	478	4	3.8	15.2	919	16, 7	7	3	8	4	0		
<i>Kobresia simpliciuscula</i>	Cype	N		r	0.58	20		p	hc		h	0			1	6			18	0	0	-0.1	11.5	2044	11, 15	8	8	8	1	0		
<i>Koeleria macrantha</i>	Poac	N		n	-0.29	50		p	hc		h	0			7	6			1250	266	7	3.7	14.7	989	7	8	4	7	2	0		
<i>Koeleria vallesiana</i>	Poac	N		r		40		p	hc		h	0			8	2			4	0	0	4.5	16.4	868	7	8	1	8	1	0		

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Koenigia islandica</i>	Poly	N	r	0.12		61	a	Th		h	0				1	6			6	0	0	3.4	12.5	2175	11, 16	8	9	6	1	0		
<i>Laburnum anagyroides</i>	Faba	AN			3.71	700	p	Ph		w	0							Eur	1119	42	1	3.4	15.2	884	3, 17	6	5	7	7	0		
<i>Lactuca saligna</i>	Aste	N	EN	r	-1.51	75	a	Th		h	0				8	3			36	0	0	4.0	16.7	601	Co 19	8	4	7	6	3		
<i>Lactuca serriola</i>	Aste	AR			2.70	200	b	hc		h	0				8	4			985	3	4	3.7	16.1	741	3, 17	8	5	7	6	0		
<i>Lactuca virosa</i>	Aste	N		n	1.16	200	b	hc		h	0				8	2			650	3	0	3.6	16.0	693	3, 16	8	4	7	7	0		
<i>Lagarosiphon major</i>	Hydr	AN				300	p	Hy		h	Irreg							SAf	443	8	6	4.0	15.9	839	13	6	12	7	6	0		
<i>Lamiastrum galeobadol</i>	Lami	N		n	1.07	60	p	Ch		h	Stol2				7	3			1097	16	4	3.7	15.8	855	1	4	5	7	6	0		
<i>Lamium album</i>	Lami	AR			-0.65	60	p	hc		h	Rhiz2				5	5			1903	178	5	3.6	15.2	911	3, 17	7	5	7	8	0		
<i>Lamium amplexicaule</i>	Lami	AR			-0.22	30	a	Th		h	0				8	4			1485	70	11	3.7	15.3	842	3, 4	7	4	7	6	0		
<i>Lamium confertum</i>	Lami	AR			-0.40	25	a	Th		h	0				4	3			397	51	0	3.5	13.5	1097	4	7	5	7	7	0		
<i>Lamium hybridum</i>	Lami	AR			1.57	30	a	Th		h	0				7	3			1150	234	11	3.9	15.3	877	4	7	5	7	6	0		
<i>Lamium maculatum</i>	Lami	AN				35	p	hc		h	Node2				7	3	c	Eur	923	15	1	3.6	15.4	869	3, 17	5	6	7	8	0		
<i>Lamium purpureum</i>	Lami	AR			-1.09	30	a	Th		h	0				7	3			2461	738	14	3.6	14.7	1027	3, 4, 17	6	5	7	7	0		
<i>Lapsana communis</i>	Aste	NA		n	-0.47	95	a	Th		h	0				7	3			2437	895	13	3.6	14.7	1059	3, 17	6	4	7	7	0		
<i>Larix decidua</i>	Pina	AN			2.91	4600	p	Ph		w	0							Eur	1940	252	2	3.3	14.7	1049	1, 2, 17	7	4	6	3	0		
<i>Larix decidua x kaempferi (L. x marschlinii)</i>	Pina	AN				3000	p	Ph		w	0							Gard	780	25	0	3.2	14.6	1134	2, 17	7	6	5	3	0		
<i>Larix kaempferi</i>	Pina	AN				3700	p	Ph		w	0						As2	774	33	0	3.3	14.6	1133	2, 17	7	6	5	3	0			
<i>Lathraea squamaria</i>	Orob	N	n	-0.36	30	p	Gn		h	0				7	3			634	120	0	3.3	15.0	955	1, 3	3	6	7	6	0			
<i>Lathyrus aphaca</i>	Faba	NA	s	-1.38	60	a	Th		h	0				9	2			174	0	3	4.0	16.4	718	4, 7	7	3	8	4	0			
<i>Lathyrus japonicus</i>	Faba	N	s	-0.32	20	p	Gn		h	0				2	3			64	12	1	4.7	15.7	886	Co 19	9	5	7	6	3			
<i>Lathyrus latifolius</i>	Faba	AN				300	p	hc		h	Rhiz1				8	3		Eur	762	9	11	3.9	16.0	782	13, 18	7	4	8	3	0		
<i>Lathyrus linifolius</i>	Faba	N	n	-0.93	40	p	Gn		h	Rhiz2				7	3			1962	538	0	3.3	14.2	1172	8, 16	6	5	4	3	0			
<i>Lathyrus nissolia</i>	Faba	N	n	0.54	75	a	Th		h	0				7	3			567	0	1	3.9	16.3	742	3, 6, 7	8	6	7	6	0			
<i>Lathyrus palustris</i>	Faba	N	s	0.23	120	p	hc		h	Rhiz2				5	6			57	36	0	3.9	15.4	823	11	7	9	7	4	0			
<i>Lathyrus pratensis</i>	Faba	N	n	-0.17	80	p	hc		h	Rhiz2				5	4			2636	943	10	3.6	14.5	1079	6	7	6	6	5	0			
<i>Lathyrus sylvestris</i>	Faba	N	n	-0.36	200	p	hc		h	Rhiz1				7	3			450	0	0	4.0	16.0	835	3	7	4	8	2	0			
<i>Lathyrus tuberosus</i>	Faba	AN			-0.99	120	p	Gn		h	Rhiz2				7	4	c	Eur, As1	186	1	0	3.8	16.0	776	3	6	5	7	6	0		
<i>Laurus nobilis</i>	Laur	AN				600	p	Ph		w	0			0	3		Eur	193	17	8	4.7	16.0	942	3, 17, 18, 19	6	5	7	6	0			
<i>Lavatera arborea</i>	Malv	N	n	1.20	300	b	Pn		w	0				9	1			188	72	13	5.4	15.5	1023	Co 18	9	6	7	8	3			
<i>Lavatera cretica</i>	Malv	AN			0.15	100	a	Th		h	0			9	1		Eur	31	1	10	5.2	16.1	875	3, 4, 16	9	4	5	5	0			
<i>Leersia oryzoides</i>	Poac	N	EN	r	-0.40	90	p	hc		h	Rhiz2				7	3			21	0	0	4.2	16.5	766	13	8	9	8	7	0		
<i>Legousia hybrida</i>	Camp	AR			-0.60	30	a	Th		h	0			8	3			552	0	0	3.7	16.1	717	4	7	4	7	4	0			
<i>Lemna gibba</i>	Lemm	N	n	0.07		0.5	p	Hy		h	Frag				8	3			636	54	2	3.8	16.0	739	13	7	11	7	8	1		
<i>Lemna minor</i>	Lemm	N	n	0.60		0.4	p	Hy		h	Frag				8	6			2168	799	10	3.7	14.9	986	11, 13	7	11	7	6	0		
<i>Lemna minuta</i>	Lemm	AN				0.3	p	Hy		h	Frag						Am, SAM	540	5	8	4.1	16.1	787	13, 14	7	11	7	7	0			
<i>Lemna trisulca</i>	Lemm	N	n	-0.21		1	p	Hy		h	Frag				7	6			1156	369	8	3.8	15.5	832	11, 13	7	12	7	5	0		
<i>Leontodon autumnalis</i>	Aste	N	n	1.33	60	p	hc		h	0				5	3			2771	942	13	3.5	14.4	1103	6	8	6	4	1				
<i>Leontodon hispidus</i>	Aste	N	n	-0.59	35	p	hc		h	0				7	3			1702	267	3	3.6	15.2	918	7	8	4	7	3				
<i>Leontodon saxatilis</i>	Aste	N	n	0.21	20	p	hc		h	0				8	2			1586	618	12	4.0	15.3	960	7	8	5	6	3				
<i>Lepidium campestre</i>	Bras	AR			-0.70	40	a	Th		h	0			7	3			886	26	1	3.8	15.8	801	3, 4, 17	7	4	7	6	0			
<i>Lepidium draba</i>	Bras	AN			0.06	60	p	hc		h	Rhiz2						Eur	1158	39	9	3.8	15.7	786	3, 19, 21	8	4	8	6	1			
<i>Lepidium heterophyllum</i>	Bras	N	n	-0.51	50	b	p	hc		h	0			8	1			1133	296	11	3.8	14.7	1074	3	7	4	5	4	0			
<i>Lepidium latifolium</i>	Bras	N	s	1.23	120	p	hc		h	Rhiz2				8	4			67	0	4	4.1	16.6	629	6	8	5	7	8	3			
<i>Lepidium ruderale</i>	Bras	AR			-0.04	40	a	Th		h	0			7	4			545	7	4	3.9	16.0	757	3, 17	9	4	7	7	0			

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Leucanthemum lacustre x maximum (L. x superbum)</i>	Aste	AN				120		p		hc		h	Rhiz1					Gard	813	8	3	3.9	15.5	890		3, 16,	17	7	4	7	5	0
<i>Leucanthemum vulgare</i>	Aste	N		n	-1.14	75		p		hc		h	Rhiz1		5	4			2532	916	13	3.6	14.6	1074		6, 7		8	4	7	4	0
<i>Leucojum aestivum</i>	Lili	N		s	2.42	60		p		Gb		h	Otb		8	3			26	14	0	4.3	15.9	811		1, 6		7	9	7	8	0
<i>Leucojum vernum</i>	Lili	AN			1.23	30		p		Gb		h	Otb		7	3	c	Eur	67	1	0	3.5	15.4	894		1		6	6	7	6	0
<i>Leycesteria formosa</i>	Capr	AN				200		p		Pn		w	0					As1	418	133	6	4.3	15.4	1027		1, 3,	17	6	5	7	6	0
<i>Leymus arenarius</i>	Poac	N		n	0.27	150		p		hc		h	Rhiz2		2	3			430	70	1	4.0	14.3	998	Co	19		9	5	7	6	3
<i>Ligusticum scoticum</i>	Apia	N		n	-0.29	60		p		hc		h	0		2	3			393	28	0	3.8	13.0	1293	Co	18		8	6	7	5	3
<i>Ligustrum ovalifolium</i>	Olea	AN				400		p		Ph		w	0					As2	1265	248	10	3.9	15.4	928		3, 17		7	5	7	8	0
<i>Ligustrum vulgare</i>	Olea	N		n	-0.69	300		p		Pn	Ph	w	0		7	3			1511	0	10	3.7	15.7	865		1, 3		6	5	7	5	0
<i>Lilium martagon</i>	Lili	AN			0.83	100		p		Gb		h	0		7	4		Eur, As1	302	1	0	3.2	15.2	874		1, 17		3	4	7	6	0
<i>Limonium auriculae-ursifolium</i>	Plum	N		o		30		p		hc		h	0		8	1			0	0	2	6.1	16.7	891		18		9	4	6	3	4
<i>Limonium bellidifolium</i>	Plum	N		r	0.01	30		p		hc		h	0		8	4			14	0	0	3.6	16.0	603	Co	19, 21		9	8	8	5	5
<i>Limonium binervosum</i>	Plum	N		r		50		p		hc		h	0		7	1			21	0	9	4.7	16.4	727	Co	18, 19, 21		9	8	8	5	5
<i>Limonium binervosum agg.</i>	Plum	N		n	0.16	30		p		hc		h	0		7	1			163	40	9	5.1	15.7	963	Co	18, 21		9	4	7	3	4
<i>Limonium britannicum</i>	Plum	NE		s		30		p		hc		h	0		7	1			23	0	0	5.4	15.7	1004	Co	18, 19, 21		9	4	7	5	4
<i>Limonium dodartiforme</i>	Plum	NE	VU	r		40		p		hc		h	0		7	1			8	0	0	5.0	16.1	865	Co	18		9	3	7	3	4
<i>Limonium humile</i>	Plum	N		s	0.05	40		p		hc		h	0		7	1			82	118	0	4.7	15.2	1012	Co	21		9	8	7	5	6
<i>Limonium loganicum</i>	Plum	NE	VU	r		35		p		hc		h	0		7	1			1	0	0	6.7	15.7	1165	Co	18		9	3	4	3	4
<i>Limonium normannicum</i>	Plum	N		o		20		p		hc		h	0		7	1			0	0	4	6.1	16.6	836		18, 19		9	5	6	3	4
<i>Limonium paradoxum</i>	Plum	NE	VU	r		20		p		hc		h	0		7	1			1	0	0	6.0	15.4	844	Co	18		9	4	7	3	4
<i>Limonium parvum</i>	Plum	NE	VU	r		7		p		hc		h	0		7	1			1	0	0	5.9	15.8	939	Co	18		9	3	8	3	4
<i>Limonium procerum</i>	Plum	NE	s			50		p		hc		h	0		7	1			56	11	0	5.4	15.7	1002	Co	18, 19, 21		9	3	8	3	5
<i>Limonium recurvum</i>	Plum	NE		r		36		p		hc		h	0		7	1			8	13	0	4.8	14.7	1163	Co	18		9	3	7	3	5
<i>Limonium transwallianum</i>	Plum	NE	VU	r		39		p		hc		h	0		7	1			1	0	0	5.6	15.9	1205	Co	18		9	3	8	3	4
<i>Limonium vulgare</i>	Plum	N		n	-0.31	40		p		hc		h	0		9	1			231	0	3	4.3	16.0	821	Co	21		9	8	8	6	6
<i>Limosella aquatica</i>	Scro	N		s	1.00	6	a		Th		h	Stol2		5	6			223	13	0	3.5	15.5	858		13		8	6	5	5	0	
<i>Limosella australis</i>	Scro	N	VU	r		4	a		Th		h	Stol2		5	0			6	0	0	4.2	14.7	1608	Co	21		7	9	7	4	1	
<i>Linaria pelisseriana</i>	Scro	AN				30	a	Th		h	0			9	1		Eur	12	0	5	4.4	15.9	822		3, 16		8	3	5	4	0	
<i>Linaria purpurea</i>	Scro	AN			3.66	100	p		hc		h	0					Eur	1430	72	9	3.7	15.5	855		3, 16, 17		8	5	7	6	0	
<i>Linaria repens</i>	Scro	AR			0.30	80	p		hc		h	Root		7	2			805	24	5	3.7	15.2	1000		3, 7		8	5	7	5	0	
<i>Linaria vulgaris</i>	Scro	N		n	-0.80	80	p		hc		h	Root		5	5			1967	81	11	3.6	15.2	935		3, 6		7	4	8	6	0	
<i>Linnæa borealis</i>	Capr	N		s	0.07	10	p		Ch		sw	Node2		4	6			93	0	0	1.6	12.7	1008		2		5	5	2	2	0	
<i>Linum bienne</i>	Lina	N		n	0.06	45	b	p	hc		h	0		9	1			352	82	12	4.8	15.8	914		3, 7		8	4	7	5	0	
<i>Linum catharticum</i>	Lina	N		n	-0.44	18	b		hc		h	0		7	3			2596	875	8	3.5	14.4	1113		7		8	5	7	2	0	
<i>Linum perenne</i>	Lina	N		s	0.43	55	p		hc		h	0		5	6			58	0	0	3.2	15.3	691		7		7	3	8	2	0	
<i>Linum usitatissimum</i>	Lina	AN				72	a	Th		h	0						Gard	918	28	6	3.8	15.7	804		3, 4, 17		7	4	7	5	0	
<i>Liparis loeseli</i>	Orch	N	EN	r	-0.38	20	p		hc		h	0		7	4	c		26	0	0	3.9	16.1	771		11		8	8	8	3	0	
<i>Listera cordata</i>	Orch	N		n	-0.32	10	p		Gn		h	0		4	6			822	96	0	2.4	12.8	1450		2, 10, 12		3	6	2	2	0	
<i>Listera ovata</i>	Orch	N		n	-0.54	60	p		Gn		h	0		5	4			1866	512	3	3.6	14.8	1001		1, 11		6	5	7	5	0	
<i>Lithospermum arvense</i>	Bora	AR		-1.91	50	a		Th		h	0		8	4			614	10	2	3.7	15.9	755		4		8	4	7	5	0		
<i>Lithospermum officinale</i>	Bora	N		n	-0.59	80	p		hc		h	0		7	4			660	69	1	3.9	15.8	820		1, 3, 7		6	5	8	5	0	
<i>Lithospermum purpureocaeruleum</i>	Bora	N		r	-0.33	60	p		Ch	Pn	h	Tip		8	3			25	0	0	4.8	16.3	941		1, 3		5	4	7	4	0	
<i>Littorella uniflora</i>	Plan	N		n	0.40	10	10	p		Hy		h	Stol2		7	2			1256	426	3	3.3	13.7	1323		11, 13		8	10	5	3	0
<i>Lloydia serotina</i>	Lili	N	VU	r		15	p		Gb		h	Rhiz1		1	6			2	0	0	2.3	12.5	3092		15, 16		7	5	5	1	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tian	TJul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Lobelia dortmanna</i>	Camp	N	n	-0.05			4	p	Hy		h	0			4	3			570	178	0	3.0	12.9	1635	13	8	12	5	1	0		
<i>Lobelia urens</i>	Camp	N	VU	r	-0.19	70		p	hc		h	0			8	1				12	0	0	4.7	16.1	988	8, 10	8	8	4	2	0	
<i>Lobularia maritima</i>	Bras	AN		2.34	30	a	p	Th	hc	h	0			0	3	Eur		738	33	13	4.0	15.7	854	18, 19	9	3	7	4	3			
<i>Loiseleuria procumbens</i>	Eric	N	n	-0.58	25		p	Ch		w	Node2			1	6			182	0	0	0.9	11.4	1994	15	9	5	2	2	0			
<i>Lolium multiflorum</i>	Poac	AN		-1.06	100	a	b	Th	hc	h	0					Eur		2069	340	10	3.6	14.9	968	5	7	5	7	7	0			
<i>Lolium perenne</i>	Poac	N	n	-0.29	50	p	hc		h	0				8	3			2743	964	14	3.6	14.5	1096	3, 6	8	5	6	6	0			
<i>Lolium temulentum</i>	Poac	AR		-4.05	90	a	Th		h	0						Eur		341	37	7	4.0	15.6	855	4	7	4	8	7	0			
<i>Lonicera periclymenum</i>	Capr	N	n	-0.11	600	p	Ph		w	0	Node2			8	2			2622	943	14	3.6	14.5	1102	1	5	6	5	5	0			
<i>Lonicera xylosteum</i>	Capr	AN		0.58	200	p	Pn		w	0				7	4	Eur, As1		242	16	0	3.4	15.2	874	1, 3	5	5	7	6	0			
<i>Lotus angustissimus</i>	Faba	N	s	-0.23	30	a	Th		h	0				8	3			55	0	12	5.7	16.2	952	8	8	3	4	3	0			
<i>Lotus corniculatus</i>	Faba	N	n	1.09	40	p	hc		h	0				8	5			2801	975	14	3.5	14.5	1104	6, 7	7	4	6	2	1			
<i>Lotus glaber</i>	Faba	N	n	-0.55	90	p	hc		h	0				8	3			509	0	4	3.9	16.1	732	3, 6, 7	7	7	7	5	1			
<i>Lotus pedunculatus</i>	Faba	N	n	-0.06	60	p	hc		h	0	Rhiz1			7	3			2380	729	13	3.6	14.7	1072	11	7	8	6	4	0			
<i>Lotus subbiflorus</i>	Faba	N	s	0.22	30	a	Th		h	0				8	2			86	8	14	5.8	16.0	987	8	7	5	6	5	0			
<i>Ludwigia palustris</i>	Onag	N	r	0.19	15	a	p	Th	Hy	h	Node2			8	3			11	0	3	4.6	16.6	812	13	8	9	4	4	0			
<i>Lupinus arboreus</i>	Faba	AN		1.84	200	p	Pn		w	0						Am4		341	21	11	4.2	15.7	825	3, 19	9	4	7	3	0			
<i>Lupinus polyphyllus</i>	Faba	AN		150		p	hc		h	0						Am4		215	3	1	3.2	15.2	828	3, 14, 17	7	5	5	5	0			
<i>Luronium natans</i>	Alis	N	s	0.24		50	p	Hy	h	Stol2				7	2			91	3	0	3.3	14.7	1229	13, 14	8	11	5	3	0			
<i>Luzula arcuata</i>	Junc	N	r	-0.43	10	p	hc		h	Rhiz1				1	3			22	0	0	0.0	10.8	2044	15, 16	9	5	2	2	0			
<i>Luzula campestris</i>	Junc	N	n	-0.18	15	p	hc		h	Rhiz2				7	3			2725	835	14	3.5	14.5	1100	6	7	4	5	2	0			
<i>Luzula forsteri</i>	Junc	N	n	0.25	35	p	hc		h	0				9	2			309	0	5	4.2	16.2	859	1	4	4	5	2	0			
<i>Luzula multiflora</i>	Junc	N	n	0.28	50	p	hc		h	0				3	6			2451	834	7	3.5	14.3	1148	8	7	6	3	3	0			
<i>Luzula pallidula</i>	Junc	N	VU	r		30	p	hc	h	0				5	5	c		2	0	0	3.4	16.3	553	1, 11	7	7	5	2	0			
<i>Luzula pilosa</i>	Junc	N	n	-0.35	32	p	hc		h	0				5	4			2132	266	1	3.2	14.4	1127	1, 2	5	5	5	3	0			
<i>Luzula spicata</i>	Junc	N	n	-0.72	25	p	hc		h	Rhiz1				1	3			189	0	0	1.0	11.5	2085	7, 15, 16	8	5	3	2	0			
<i>Luzula sylvatica</i>	Junc	N	n	-0.02	80	p	hc		h	Rhiz1				7	3			2058	621	4	3.3	14.1	1208	1, 16	5	5	4	4	0			
<i>Lychins alpina</i>	Cary	N	VU	r		20	p	Ch	h	0				2	3			2	0	0	0.5	12.0	1640	15	8	3	4	2	0			
<i>Lychins flos-cuculi</i>	Cary	N	n	-0.79	75	p	hc		h	0				7	4			2569	765	9	3.5	14.5	1095	11	7	9	6	4	0			
<i>Lychnis viscaria</i>	Cary	N	VU	r	0.01	45	p	Ch	h	0				7	4	c		28	0	0	2.2	13.8	926	16	8	3	4	2	0			
<i>Lycium</i>	Sola	AN		0.13	250	p	Pn	w	Root						As		1104	68	9	3.8	15.7	784	3, 19	8	5	7	4	0				
<i>Lycium barbarum</i>	Sola	AN			250	p	Pn	w	Root						As							3, 19	8	5	7	4	0					
<i>Lycium chinense</i>	Sola	AN			250	p	Pn	Ph	w	Root					As							3, 19	8	5	7	4	1					
<i>Lycopersicon esculentum</i>	Sola	AN			150	a	Th	h	0						ISAm		523	41	9	4.0	15.6	876	17	7	5	7	8	0				
<i>Lycopodiella inundata</i>	Lyco	N	s	-0.65	5	p	Ch	h	Node1					5	3			233	18	0	3.5	14.9	1122	10, 12	9	9	2	1	0			
<i>Lycopodium annotinum</i>	Lyco	N	s	-0.38	10	p	Ch		sw	Node2				2	6			171	0	0	0.7	11.7	1760	10, 15	6	6	3	3	0			
<i>Lycopodium clavatum</i>	Lyco	N	n	-0.52	15	p	Ch		sw	Node2				5	6			948	81	0	2.4	13.3	1368	10	7	5	1	2	0			
<i>Lycopus europaeus</i>	Lami	N	n	-0.01	100	p	hc		h	Rhiz1				7	4			1689	347	8	3.8	15.2	995	11	7	8	7	6	0			
<i>Lysichiton americanus</i>	Arac	AN			110	p	hc	h	Rhiz1						Am4		174	24	0	3.9	15.1	1073	13, 14	4	9	6	8	0				
<i>Lysimachia nemorum</i>	Prim	N	n	-0.46	20	p	Ch	hc	h	Node2				7	2			2217	740	3	3.4	14.4	1150	1	5	7	4	5	0			
<i>Lysimachia nummularia</i>	Prim	N	n	-0.02	5	p	hc	Ch	h	Node2				7	3			1266	227	3	3.7	15.5	895	6, 11, 14	5	7	5	5	0			
<i>Lysimachia punctata</i>	Prim	AN			4.62	120	p	hc	h	Rhiz1						Eur		1127	48	0	3.5	15.1	999	1, 3, 17	6	6	7	5	0			
<i>Lysimachia thyrsiflora</i>	Prim	N	s	0.38	70	p	hc	Hy	h	Rhiz2				4	6			51	0	0	2.7	14.2	1200	11, 13	8	10	4	3	0			
<i>Lysimachia vulgaris</i>	Prim	N	n	0.22	105	p	hc	h	Rhiz2				7	5			1227	288	0	3.7	15.2	943	11	7	9	7	5	0				
<i>Lythrum hyssopifolium</i>	Lyth	AR	VU	-1.12	15	a	Th		h	0				8	4			112	3	8	3.9	16.0	777	4	8	6	6	4	0			
<i>Lythrum portula</i>	Lyth	N	n	0.32	8	a	Th	Hz	h	0	Node1			7	3			1262	321	7	3.8	14.8	1084	11, 13	8	9	5	3	0			
<i>Lythrum salicaria</i>	Lyth	N	n	-0.08	120	p	hc		h	0				7	5			1692	827	8	4.0	15.0	1024	11	7	9	7	5	0			

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Mahonia aquifolium</i>	Berb	AN			1.61	150		p		Pn		w	Rhiz2				Am4	991	4	2	3.4	15.6	786	1, 3		5	4	6	5	0		
<i>Maianthemum bifolium</i>	Lili	NA	VU	r	0.32	20		p		Gn		h	Rhiz2		5	5	c		4	0	0	2.9	15.0	753	1, 2		3	5	3	3	0	
<i>Malus domestica</i>	Rosa	AR				1000		p		Ph		w	0				Gard	1532	327	8	3.7	15.0	975	3		7	5	6	7	0		
<i>Malus sylvestris sens.lat.</i>	Rosa	N		n	0.57	1000		p		Ph		w	0		7	3			2023	598	11	3.7	15.0	975	1, 3		7	5	6	6	0	
<i>Malus sylvestris sens.str.</i>	Rosa	N		n		1000		p		Ph		w	0		7	3			1335	218	0	3.7	15.1	964	3		7	5	6	6	0	
<i>Malva moschata</i>	Malv	N		n	-0.04	80		p		hc		h	0		7	3			1423	0	10	3.7	15.6	871	6		7	3	7	4	0	
<i>Malva neglecta</i>	Malv	AR			-0.22	60		a		Th		h	0		7	3			1196	70	14	3.8	15.7	781	13		7	4	8	7	0	
<i>Malva pusilla</i>	Malv	AN				50		a		Th		h	0		7	5	c	Eur, As	107	6	1	4.1	16.0	788	3, 17, 19		8	5	5	5	0	
<i>Malva sylvestris</i>	Malv	AR			-0.30	150		p		hc		h	0		8	4			1788	354	14	3.8	15.3	899	3, 17		8	4	8	7	0	
<i>Marrubium vulgare</i>	Lami	N	s	-2.02	60		p		hc		h	Rhiz1		8	4			46	0	0	4.6	16.1	861	7		9	5	7	8	0		
<i>Matricaria discoidea</i>	Aste	AN			-0.49	35		a		Th		h	0					As2?, Am?	2677	945	14	3.6	14.5	1086	3, 4		7	5	7	7	0	
<i>Matricaria recutita</i>	Aste	AR			0.92	60		a		Th		h	0		8	3			1588	51	11	3.7	15.5	868	13, 4		7	5	7	7	0	
<i>Matteuccia struthiopteris</i>	Wood	AN				60		p		hc		h	0		4	6	c	NHem	74	4	0	3.2	14.7	1108	1		5	8	7	7	0	
<i>Matthiola incana</i>	Bras	AN			0.75	80		p		Pn		sw	0		9	1		Eur	107	2	6	5.0	15.9	874	Co	18, 19	9	3	8	2	3	
<i>Matthiola sinuata</i>	Bras	NA	VU	r		60		b		hc		h	0		9	1			19	8	6	5.4	15.6	1089	Co	18, 19	9	3	7	2	1	
<i>Mecanopsis cambrica</i>	Papa	N	s	2.36	60		p		hc		h	0		5	1			54	77	0	3.5	14.0	1321	1		4	5	7	5	0		
<i>Medicago arabica</i>	Faba	N	n	0.69	60		a		Th		h	0		9	2			744	0	14	4.2	16.2	781	3, 17		7	5	6	5	0		
<i>Medicago lupulina</i>	Faba	N	n	-0.43	50		a	p	Th	hc	h	0		7	4			2064	686	13	3.8	15.0	963	7, 17		7	4	8	4	0		
<i>Medicago minima</i>	Faba	N	s	-1.97	20		a		Th		h	0		8	4			54	0	7	3.9	16.5	623	8		9	3	7	2	0		
<i>Medicago polymorpha</i>	Faba	N	s	-1.34	60		a		Th		h	0		9	2			118	0	12	5.0	16.4	801	8		9	4	5	5	0		
<i>Medicago sativa</i>	Faba	N	s	-0.56	90		p		hc		h	0	Rhiz1	8	4	c		54	0	0	3.5	16.2	604	3, 6		7	4	6	5	0		
<i>Medicago sativa</i> subsp. <i>falcata</i>	Faba	N	s			60		p		hc		h	Rhiz1		8	4	c		54	0	0	3.5	16.2	604	3		8	3	7	3	0	
<i>Medicago sativa</i> subsp. <i>sativa</i>	Faba	AN				90		p		hc		h	0					Crop	1065	17	9	3.8	15.8	768	3, 6		7	4	6	5	0	
<i>Melampyrum arvense</i>	Scro	AN			-0.49	60		a		Th		h	0		7	3	c	Eur	50	0	0	3.6	16.2	692	3, 4, 16		7	4	8	3	0	
<i>Melampyrum cristatum</i>	Scro	N	r	-0.88	50		a		Th		h	0		7	4	c		62	0	0	3.4	16.3	606	3		6	3	8	2	0		
<i>Melampyrum pratense</i>	Scro	N	n	-0.88	60		a		Th		h	0		5	4			1696	323	0	3.2	14.3	1220	1, 2		5	5	2	3	0		
<i>Melampyrum sylvaticum</i>	Scro	IN	r	-0.58	35		a		Th		h	0		4	3			75	20	0	1.5	12.5	1532	11, 16		4	5	2	2	0		
<i>Melica nutans</i>	Poac	N	n	-0.17	60		p		hc		h	Rhiz1		5	5	c		408	0	0	1.9	13.0	1483	1, 7, 16		4	5	7	3	0		
<i>Melica uniflora</i>	Poac	N	n	-0.04	60		p		hc		h	Rhiz1		7	3			1511	246	0	3.5	15.0	1015	1		4	5	7	5	0		
<i>Melilotus albus</i>	Faba	AN			-0.20	150		b	a	hc	Th	h	0					Eur?, As1?	913	15	7	3.7	15.8	778	3		9	3	7	4	0	
<i>Melilotus altissimus</i>	Faba	AR			0.73	150		b		hc		h	0		7	3			1122	16	3	3.8	15.8	785	3, 17		8	6	7	7	0	
<i>Melilotus indicus</i>	Faba	AN			-1.59	40		a		Th		h	0					Eur, As1	427	12	10	3.8	15.7	790	3, 17		9	5	7	1	2	
<i>Mellilotus officinalis</i>	Faba	AN			0.02	150		b		hc		h	0					Eur?, As1?	1142	26	7	3.7	15.7	790	3, 17		8	5	7	5	0	
<i>Melissa officinalis</i>	Lami	AN			1.73	60		p		hc		h	Rhiz1					Eur	667	36	7	4.1	15.9	854	3, 17		6	5	7	6	0	
<i>Melittis melissophyllum</i>	Lami	N	s	-0.47	60		p		hc		h	Rhiz1		7	3				119	0	0	5.1	15.7	1091	1, 3		5	4	7	5	0	
<i>Mentha aquatica</i>	Lami	N	n	-0.11	90		p		hc		h	Rhiz2		7	3				2475	922	12	3.7	14.7	1065	11		7	8	7	5	0	
<i>Mentha arvensis</i>	Lami	N	n	-1.30	60		p		hc		h	Rhiz2		5	6				1965	428	5	3.6	14.9	1017	4, 11		6	7	6	0	0	
<i>Mentha pulegium</i>	Lami	N	VU	r	-0.70	30		p		hc		h	Rhiz2		8	3				242	45	6	4.4	15.9	869	6, 13		8	7	5	7	0
<i>Mentha spicata</i>	Lami	AR			1.69	90		p		hc		h	Rhiz2					Crop	1563	74	7	3.5	15.0	942	3, 17		7	8	7	7	0	
<i>Mentha suaveolens</i>	Lami	N	s	-0.32	100		p		hc		h	Rhiz2		9	2				118	0	0	5.4	15.5	1151	3		7	8	6	6	0	
<i>Menyanthes trifoliata</i>	Meny	N	n	-0.04	30	150	p		Gn	Hy	h	Rhiz2		5	6				1905	756	5	3.4	14.1	1201	11		8	10	4	3	0	
<i>Mercurialis annua</i>	Euph	AR			0.28	50		a		Th		h	0		9	2				793	55	14	4.0	16.0	779	3, 4, 17		7	5	7	7	0
<i>Mercurialis perennis</i>	Euph	N	n	-0.65	40		p		hc		h	Rhiz2		7	3				2214	4	2	3.2	14.8	1045	1		3	6	7	7	0	
<i>Mertensia maritima</i>	Bora	N	s	-0.53	60		p		hc		h	0		2	3				222	29	0	3.8	13.4	1083	Co	19	8	5	7	7	3	0
<i>Mespilus germanica</i>	Rosa	AR				900		p		Ph		w	0					Eur	98	1	8	4.4	16.1	861	1, 3, 17		6	4	6	6	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Meum athamanticum</i>				s	-0.40	60		p	hc		h	0			4	3			164	0	0	1.6	12.9	1459		3, 6		8	5	4	3	0
<i>Mibora minima</i>	Poac	N		r	-0.01	8	a	Th		h	0				8	2			7	0	10	5.8	16.1	861	Co	19		9	3	7	1	0
<i>Milium effusum</i>	Poac	N		n	0.31	150		p	hc		h	0			5	6			1391	91	0	3.6	15.3	928		1		4	5	6	5	0
<i>Milium vernale</i>	Poac	N		o		5	a	Th		h	0				9	1			0	0	2	6.8	16.6	718		19		9	3	6	2	0
<i>Mimulus</i>	Scro	AN			-0.47	50		p	hc		h	Node2						Am4, SAm	1767	237	5	3.2	14.3	1106		13, 14		7	9	6	5	0
<i>Mimulus guttatus</i>	Scro	AN				50		p	hc		h	Node2						Am4	996	44	4	3.2	14.5	1020		13, 14		7	9	6	6	0
<i>Mimulus guttatus x luteus (M. x robertsii)</i>	Scro	AN				50		p	hc		h	Node2						Gard	473	125	0	3.1	14.0	1162		13, 14		7	8	7	5	0
<i>Mimulus luteus</i>	Scro	AN				50		p	hc		h	Node2						SAm	186	5	0	2.8	13.6	1144		13, 14		7	9	5	5	0
<i>Mimulus moschatus</i>	Scro	AN				40		p	hc		h	Node2						Am4	361	13	2	3.3	14.6	1099		13, 14		7	8	5	5	0
<i>Minuartia hybrida</i>	Cary	N	s	-1.70	20	a	Th		h	0					9	2			294	0	1	3.5	16.0	716		7		9	3	8	3	0
<i>Minuartia curvula</i>	Cary	N	o		5	p	Ch		h	0					1	3			0	1	0	4.8	14.2	1414		15		8	4	3	1	0
<i>Minuartia rubella</i>	Cary	N	r	0.01	6	p	Ch		h	0					1	6			7	0	0	0.8	11.2	1679		15		8	4	7	1	0
<i>Minuartia sedoides</i>	Cary	N	s	-0.75	8	p	Ch		h	0					1	3			76	0	0	1.2	11.4	2095		15		8	5	4	2	0
<i>Minuartia stricta</i>	Cary	N	EN	r		10	p	Ch		h	0				1	6			1	0	0	0.4	12.1	1443		11		9	9	8	2	0
<i>Minuartia verna</i>	Cary	N	s	-0.42	15	p	Ch		h	0					4	5			139	30	0	2.7	13.9	1215		7, 16		8	4	7	1	0
<i>Misopates orontium</i>	Scro	AR			-0.89	50	a	Th		h	0				8	4			488	24	11	4.3	15.9	864		4		7	5	6	6	0
<i>Moehringia trinervia</i>	Cary	N	n	-0.40	40	a	Th		h	0					7	3			1990	259	4	3.5	15.0	982		1		4	5	7	6	0
<i>Moenchia erecta</i>	Cary	N	n	-0.65	12	a	Th		h	0					8	2			418	0	14	4.2	16.0	823		8		9	4	4	3	0
<i>Molinia caerulea</i>	Poac	N	n	-0.34	130	p	hc		h	0	gr				5	4			2244	897	6	3.5	14.2	1179		12		7	8	3	2	0
<i>Moneses uniflora</i>	Pyro	N	VU	r	0.14	4	p	hc		h	Rhiz1				4	6			27	0	0	2.0	13.0	985		2		4	5	4	1	0
<i>Monotropa hypopitys</i>	Mono	N	n	-1.09	30	p	Gn		h	Rhiz1					7	6			288	24	0	3.7	15.8	817		1		4	5	6	2	0
<i>Montia fontana</i>	Port	N	n	0.14	20	a	p	Th	Hy	h	Node1				5	3			2197	547	14	3.4	14.1	1198		11		7	9	5	3	0
<i>Muscaria neglectum</i>	Lili	NA	VU	r	1.55	30	p	Gb		h	0	tb	DRg		8	4			13	0	0	3.3	16.3	590		3, 8		7	3	7	5	0
<i>Mycelis muralis</i>	Aste	N	n	0.01	100	p	hc		h	0					7	3			1302	0	0	3.3	15.2	944		1, 16		4	5	7	5	0
<i>Myosotis alpestris</i>	Bora	N	r	-0.22	25	p	hc		h	0					1	6			7	0	0	-0.1	11.6	1623		7, 15, 16		8	4	8	2	0
<i>Myosotis arvensis</i>	Bora	AR			-0.34	40	a	Th		h	0				5	4			2577	748	8	3.5	14.6	1056		3, 4		7	5	6	6	0
<i>Myosotis discolor</i>	Bora	N	n	0.14	25	a	Th		h	0					7	3			2317	521	14	3.5	14.4	1088		6		7	5	5	3	0
<i>Myosotis laxa</i>	Bora	N	n	0.65	40	b	hc		h	0					5	6			2409	757	8	3.5	14.5	1085		11		7	9	6	5	0
<i>Myosotis ramosissima</i>	Bora	N	n	0.11	25	a	Th		h	0					8	3			1174	52	14	3.8	15.5	823		8, 16		8	3	6	3	0
<i>Myosotis scorpioides</i>	Bora	N	n	-0.77	57	p	hc	Hy	h	Stol1					7	4			2291	662	3	3.5	14.7	1037		11, 14		7	9	6	6	0
<i>Myosotis secunda</i>	Bora	N	n	0.52	55	p	hc		h	Stol1					7	1			1736	498	6	3.3	14.0	1237		11		6	9	5	4	0
<i>Myosotis sylvicola</i>	Bora	N	o		15	a	Th		h	0					9	1			0	0	2	6.2	17.0	794		19		8	7	6	3	0
<i>Myosotis stolonifera</i>	Bora	N	s	0.77	20	p	hc		h	Stol1					4	1			115	0	0	1.6	13.2	1362		11, 14		8	9	5	4	0
<i>Myosotis sylvatica</i>	Bora	N	n	2.18	47	p	hc		h	0					7	5			1690	24	4	3.4	15.1	931		1		6	5	7	5	0
<i>Myosoton aquaticum</i>	Cary	N	n	0.00	100	p	hc		h	Node1					7	4			927	0	0	3.6	16.0	747		11, 13, 14		7	8	7	8	0
<i>Myosurus minimus</i>	Ranu	NA	n	-0.66	8	a	Th		h	0					7	3			339	0	2	3.8	16.3	691		4		8	7	6	5	0
<i>Myrica gale</i>	Myri	N	n	-0.75	150	p	Pn	w	Rhiz2						5	2			976	553	0	3.4	13.8	1353		12		8	9	3	2	0
<i>Myriophyllum alterniflorum</i>	Halo	N	n	1.00		120	p	Hy		h	Irreg				5	2			1390	327	3	3.2	13.8	1299		13, 14		7	12	5	3	0
<i>Myriophyllum aquaticum</i>	Halo	AN				200	p	Hy		h	Irreg							SAm	268	2	7	4.3	16.1	838		13		7	12	5	3	0
<i>Myriophyllum spicatum</i>	Halo	N	n	0.63		250	p	Hy		h	Irreg				7	5			1409	373	7	3.7	15.1	907		13, 14		7	12	7	7	0
<i>Myriophyllum verticillatum</i>	Halo	N	n	-0.89		300	p	Hy		h	Irreg	DRa			7	6			360	130	0	3.8	15.7	765		13, 14		7	12	7	7	0
<i>Myrrhis odorata</i>	Apia	AN			-0.25	180	p	hc		h	0							Eur	1152	147	0	3.0	14.1	1084		3, 17		7	6	7	7	0
<i>Najas flexilis</i>	Naja	N	s	0.48		30	a	Hz		h	0				4	6			28	28	0	4.1	13.8	1338		13		6	12	7	4	1
<i>Najas marina</i>	Naja	N	VU	r		97	a	Hz		h	0				8	6	c		4	0	0	3.9	16.1	600		13		5	12	9	6	0
<i>Narcissus pseudonarcissus</i>	Lili	N	n	0.87		35	p	Gb		h	0	tb			8	2			646	0	3	3.7	15.6	920		3		7	5	6	5	0

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Nardus stricta</i>	Poac	N		n	-0.68	40		p		hc		h	0		5	3			2051	560	3	3.2	14.0	1226	8		7	7	3	2	0	
<i>Narthecium ossifragum</i>	Lili	N		n	-0.32	45		p		hc		h	Rhiz1		5	1			1628	716	0	3.3	13.8	1296	12		8	9	2	1	0	
<i>Neotinea maculata</i>	Orch	N	EX	x		30		p		Gn		h	0		9	1			1	24	0	4.7	14.8	1107	7, 16		8	4	8	2	0	
<i>Neottia nidus-avis</i>	Orch	N		n	-0.91	47		p		Gn		h	0		7	4			742	99	0	3.5	15.2	938	1		2	4	7	5	0	
<i>Nepeta cataria</i>	Lami	AR			-1.23	100		p		hc		h	Rhiz1		7	4			478	6	1	3.7	15.9	761	3, 7		7	4	7	6	0	
<i>Nuphar lutea</i>	Nymp	N		n	-0.13		150	p		Hy		h	Rhiz1		5	4			1140	452	0	3.6	15.1	975	13, 14		7	11	7	6	1	
<i>Nuphar pumila</i>	Nymp	N		s	0.87		150	p		Hy		h	Rhiz1		4	6			68	0	0	1.7	12.5	1680	13		7	11	6	4	0	
<i>Nymphaea alba</i>	Nymp	N		n	1.02		150	p		Hy		h	Rhiz1		7	3			1511	340	5	3.6	14.8	1090	13		7	11	6	4	0	
<i>Nymphoides peltata</i>	Meny	N		s	2.81		200	p		Hy		h	Irreg	Rhiz2	7	5			45	0	0	3.5	16.4	603	13, 14		8	11	7	6	0	
<i>Odontites vernus</i>	Scro	N		n	-0.46	50		a		Th		h	0		7	5			2320	865	7	3.7	14.7	1047	6		7	5	6	5	0	
<i>Oenanthe aquatica</i>	Apia	N		n	-0.35	150		a	p	Hz	Hy	h	0		7	4			505	183	0	3.8	15.6	792	11		7	10	7	6	0	
<i>Oenanthe crocata</i>	Apia	N		n	-0.04	150		p		hc	Hy	h	0		8	2			1599	633	12	4.0	14.8	1124	11, 14		7	9	6	7	1	
<i>Oenanthe fistulosa</i>	Apia	N		n	-1.18	80		p		hc	Hy	h	0		7	3			804	101	6	3.9	15.8	771	11		7	9	7	6	0	
<i>Oenanthe fluviatilis</i>	Apia	N		n	0.19	100		p		Hy		h	Node2		7	1			235	45	0	3.7	16.0	718	14		8	10	8	6	0	
<i>Oenanthe lachenalii</i>	Apia	N		n	-0.36	100		p		hc		h	0		8	2			551	118	3	4.3	15.4	957	11		8	8	8	5	3	
<i>Oenanthe pimpinelloides</i>	Apia	N		n	0.48	100		p		hc		h	0		9	1			241	0	0	4.4	16.2	849	6		7	7	6	3	0	
<i>Oenanthe silaifolia</i>	Apia	N		s	0.37	100		p		hc		h	0		8	3			76	0	0	3.7	16.3	661	6		8	9	7	5	0	
<i>Oenothera</i>	Onag	AN			1.02	100		b		hc		h	0					Am, SAM	1185	38	11	3.9	15.8	839	3, 16, 17, 19		9	4	6	4	0	
<i>Oenothera biennis</i>	Onag	AN				100		b		hc		h	0					Am?	614	9	2	3.9	15.9	777	3, 16, 17, 19		9	4	6	4	0	
<i>Oenothera biennis</i> x <i>glazioviana</i> (<i>O. x fallax</i>)	Onag	AX				100		b		hc		h	0						125	2	1	3.7	15.9	798	3, 16, 19		8	3	6	5	0	
<i>Oenothera cambrica</i>	Onag	AN				80		b		hc		h	0					Am?	217	0	4	4.2	15.9	921	3, 16, 17, 19		9	4	6	3	0	
<i>Oenothera glazioviana</i>	Onag	AN				100		b		hc		h	0					Am	966	24	10	4.0	15.9	832	3, 16, 19		9	4	6	5	0	
<i>Onobrychis viciifolia</i>	Faba	NA		n	-0.76	60		p		hc		h	0		7	4			265	0	0	3.6	16.2	710	7		7	4	8	3	0	
<i>Ononis reclinata</i>	Faba	N	VU	r	0.27	15		a		Th		h	0		9	1			10	0	3	5.6	15.8	999	Co 18		9	2	8	2	1	
<i>Ononis repens</i>	Faba	N		n	-0.45	60		p		Ch	hc	sw	Rhiz2		7	3			1664	178	13	3.8	15.3	878	7		8	4	6	3	0	
<i>Ononis spinosa</i>	Faba	N		n	-0.82	70		p		Ch	hc	sw	0		8	4			724	0	0	3.6	16.0	718	6, 7		8	4	8	3	0	
<i>Onopordum acanthium</i>	Aste	AR			0.66	200		p		hc		h	0		7	4			778	5	7	3.7	15.9	733	3, 17		8	4	6	7	0	
<i>Ophioglossum azoricum</i>	Ophi	N		s		10		p		Gn		h	Root		5	2			72	12	4	4.3	13.3	1252	8		8	6	5	2	1	
<i>Ophioglossum lusitanicum</i>	Ophi	N	VU	r		4		p		Gn		h	Root		9	1			1	0	3	6.7	16.2	848	8		8	6	5	2	0	
<i>Ophioglossum vulgatum</i>	Ophi	N		n		30		p		Gn		h	Root		7	6			1474	209	6	3.6	15.1	964	6, 7		8	7	7	3	0	
<i>Ophioglossum vulgatum</i> sens.lat.	Ophi	N		n	0.72	30		p		Gn		h	Root		7	6			1474	209	6	3.6	15.1	964	6		8	7	7	3	0	
<i>Ophrys apifera</i>	Orch	N		n	0.83	45		p		Gn		h	0		9	2			936	182	4	3.9	15.7	807	7		8	4	8	3	0	
<i>Ophrys fuciflora</i>	Orch	N	VU	r		35		p		Gn		h	0		9	2			6	0	0	4.0	16.4	766	7		8	4	9	2	0	
<i>Ophrys insectifera</i>	Orch	N		n	-1.34	60		p		Gn		h	0		7	3			264	31	0	3.7	15.8	803	1, 7, 11		8	5	9	2	0	
<i>Ophrys sphegodes</i>	Orch	N		s	-0.11	20		p		Gn		h	0		9	2			62	0	1	4.0	16.3	729	7		8	4	9	3	0	
<i>Orchis laxiflora</i>	Orch	N		o		50		p		Gn		h	0		8	4	c		0	0	8	6.4	16.7	800	6, 11		9	9	8	2	1	
<i>Orchis mascula</i>	Orch	N		n	-0.72	40		p		Gn		h	0		7	3			1962	475	9	3.5	14.7	1073	1, 7, 16		6	5	7	4	0	
<i>Orchis militaris</i>	Orch	N	VU	r		45		p		Gn		h	0		7	4	c		19	0	0	3.4	16.3	694	7		7	3	9	2	0	
<i>Orchis morio</i>	Orch	N		n	-0.98	20		p		Gn		h	0		7	3			931	124	8	3.9	15.8	801	6, 7		8	4	7	3	0	
<i>Orchis purpurea</i>	Orch	N		s	-0.56	50		p		Gn		h	0		7	3			36	0	1	4.0	16.5	748	1		5	4	8	3	0	
<i>Orchis simia</i>	Orch	N	VU	r		30		p		Gn		h	0		8	3			10	0	0	3.8	16.4	697	7		8	3	8	2	0	
<i>Orchis ustulata</i>	Orch	N		s	-1.77	15		p		Gn		h	0		7	3			265	0	0	3.5	15.7	777	7		8	4	8	2	0	
<i>Oreopteris limbosperma</i>	Thel	N		n	-0.18	90		p		hc		h	0		7	3			1585	138	0	2.8	13.7	1323	1, 16		6	6	4	3	0	
<i>Origanum vulgare</i>	Lami	N		n	-0.10	65		p		Ch	hc	h	0	Node1	8	5			1148	179	0	3.7	15.3	898	7, 16		6	4	7	4	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Ornithogalum angustifolium</i>	Lili	AN			1.05	30	p	Gb		h	Otb		8	3	Eur	1139	8	12	3.7	15.5	848		1, 3, 7, 8		8	3	6	4	0			
<i>Ornithogalum pyrenaicum</i>	Lili	N	s	0.14	75	p	Gb		h	Otb			9	2			33	0	0	3.6	16.2	773		1, 3		5	5	7	5	0		
<i>Ornithopus perpusillus</i>	Faba	N	n	-0.18	10	a	Th		h	0			7	2			1002	20	12	3.9	15.5	935		8		7	4	4	3	0		
<i>Ornithopus pinnatus</i>	Faba	N	r		8	a	Th		h	0			8	2			3	0	7	7.0	16.4	832		8, 10		8	3	3	2	0		
<i>Orobanche alba</i>	Orob	N	s	-0.38	25	a	p	Th	Gn	h	0		7	3			92	42	2	4.0	13.7	1493		16		8	3	7	2	0		
<i>Orobanche artemisiae-campestris</i>	Orob	N	EN	r		60	a	p	Th	Gn	h	0		8	3			6	0	0	4.5	16.5	753	Co	18		8	4	8	5	0	
<i>Orobanche caryophyllacea</i>	Orob	N	VU	r	0.01	40	p	a	Gn	Th	h	0		7	3	c		5	0	0	4.1	16.4	782		18		8	3	9	2	0	
<i>Orobanche elatior</i>	Orob	N	n	-0.33	75	p	Gn		h	0			7	4	c		267	0	0	3.6	16.2	713		3, 7		8	3	8	3	0		
<i>Orobanche hederae</i>	Orob	N	n	0.20	60	p	a	Gn	Th	h	0		9	2			160	122	11	4.9	15.5	1004		1, 3, 16		4	5	6	5	0		
<i>Orobanche minor</i>	Orob	N	n	-0.20	60	a	p	Th	Gn	h	0		8	3			800	0	14	4.0	16.1	774		4, 5		7	4	8	6	0		
<i>Orobanche purpurea</i>	Orob	N	VU	r	0.50	45	p	a	Gn	Th	h	0		7	3			25	0	12	4.9	16.3	776		3, 6		7	4	7	2	0	
<i>Orobanche rapum-genistae</i>	Orob	N	s	-0.35	85	p	Gn		h	0			8	2			422	30	4	4.1	15.7	890		10		7	5	3	2	0		
<i>Orobanche reticulata</i>	Orob	N	r		60	b	a	Gn	Th	h	0		7	3	c		7	0	0	3.1	15.3	666		3, 7		7	6	7	6	0		
<i>Orthilia secunda</i>	Pyro	N	n	-0.40	5	p	Ch		h	Rhiz1			4	6			228	7	0	1.4	12.2	1568		2, 10, 16		5	5	5	3	0		
<i>Osmunda regalis</i>	Osmu	N	n	0.56	160	p	hc		h	0			8	2			735	576	4	4.2	14.5	1225		1, 11		6	9	5	4	0		
<i>Otanthus maritimus</i>	Aste	N	EX	x	-1.49	30	p	hc		h	Rhiz2			9	1			23	6	3	5.1	16.0	874	Co	19		9	2	5	2	3	
<i>Oxalis acetosella</i>	Oxal	N	n	-0.74	10	p	hc		h	Rhiz1			5	5			2393	791	2	3.4	14.4	1138		1, 2, 16		4	6	4	4	0		
<i>Oxalis articulata</i>	Oxal	AN			25	p	hc		h	Rhiz1					SAm		541	65	14	4.4	15.8	861		3, 17, 19		7	3	4	2	0		
<i>Oxalis corniculata</i>	Oxal	AN		1.62	15	p	a	hc	Th	h	Node2					Unk	998	32	11	3.9	15.8	843		3, 17		7	4	6	5	0		
<i>Oxalis debilis</i>	Oxal	AN			20	p	Gb		h	DRg					SAm		137	10	12	4.3	16.1	784		3, 17		7	4	6	8	0		
<i>Oxalis exilis</i>	Oxal	AN			5	p	a	hc	Th	h	Node2					Aus, NZ	323	11	8	3.8	15.7	782		3, 17		7	4	6	4	0		
<i>Oxalis incarnata</i>	Oxal	AN			20	p	Gb		h	DRa					SAf		146	5	11	4.6	15.8	927		3, 17		6	5	6	5	0		
<i>Oxalis latifolia</i>	Oxal	AN			20	p	Gb		h	DRg					SAm		67	1	11	5.1	16.1	892		3, 17		6	5	6	5	0		
<i>Oxalis pes-caprae</i>	Oxal	AN			30	p	Gb		h	DRg					SAf		10	0	10	5.9	16.1	861		3, 4		7	4	6	5	0		
<i>Oxalis stricta</i>	Oxal	AN		-0.09	40	a	Th		h	Rhiz1					As2, Am		396	27	4	3.8	15.7	895		3, 17		6	5	6	5	0		
<i>Oxyria digyna</i>	Poly	N	n	-0.71	30	p	hc		h	0			1	6			311	24	0	1.7	12.1	1940		15, 16		7	6	5	3	0		
<i>Oxytropis campestris</i>	Faba	N	VU	r		20	p	hc		h	0		1	5	c		3	0	0	0.4	11.5	1392		7		9	4	8	2	0		
<i>Oxytropis halleri</i>	Faba	N	r	0.16	13	p	hc		h	0			4	3			16	0	0	2.5	12.9	1141		7, 18, 19		9	3	8	2	0		
<i>Panicum miliaecum</i>	Poac	AC			100	a	Th		h	0					Crop		359	6	6	4.0	16.0	787		1, 4, 17		9	3	7	6	0		
<i>Papaver argemone</i>	Papa	AR		-1.79	45	a	Th		h	0			8	3			874	48	6	3.7	15.7	759		4		7	4	6	5	0		
<i>Papaver dubium</i>	Papa	AR		0.23	60	a	Th		h	0			8	4			1875	402	13	3.7	15.0	910		3, 4		7	5	6	5	0		
<i>Papaver hybridum</i>	Papa	AR		-0.35	50	a	Th		h	0			9	2			357	33	6	4.1	15.9	776		4		7	4	8	4	0		
<i>Papaver rhoes</i>	Papa	AR		-0.41	60	a	Th		h	0			8	3			1712	370	14	3.8	15.3	877		3, 4		7	5	7	6	0		
<i>Papaver somniferum</i>	Papa	AR		2.54	100	a	Th		h	0			0	3	Eur?		1600	190	12	3.7	15.3	868		3, 4, 17		7	4	7	8	0		
<i>Parapholis incurva</i>	Poac	N	s	0.09	10	a	Th		h	0			9	1			109	1	5	4.4	16.4	709	Co	18, 19, 21		9	6	7	4	4		
<i>Parapholis strigosa</i>	Poac	N	n	0.14	25	a	Th		h	0			8	2			347	63	5	4.5	15.7	876	Co	21		8	6	7	6	5		
<i>Parentucellia viscosa</i>	Scro	N	n	0.64	50	a	Th		h	0			9	1			165	101	11	5.1	15.4	1129		3, 5		7	7	7	5	0		
<i>Parietaria judaica</i>	Urti	N	n	0.08	52	p	hc		h	0			9	2			1336	317	14	4.1	15.6	865		16, 17		7	4	8	5	1		
<i>Paris quadrifolia</i>	Lili	N	n	-0.68	40	p	Gn		h	Rhiz2			5	4			714	0	0	3.2	15.3	877		1		3	6	7	6	0		
<i>Parnassia palustris</i>	Saxi	N	n	-0.84	20	p	hc		h	0			5	6			1091	302	0	3.0	13.7	1236		11		8	8	7	3	0		
<i>Pastinaca sativa</i>	Apia	N	n	-0.39	180	b	hc		h	0			7	4			1011	0	7	3.8	16.0	774		3, 6, 7		7	4	7	5	0		
<i>Pedicularis palustris</i>	Scro	N	n	-0.88	60	b	hc		h	0			5	3			1744	583	1	3.3	14.0	1226		11		8	8	5	2	0		
<i>Pedicularis sylvatica</i>	Scro	N	n	-1.28	25	p	hc		h	0			7	3			2118	744	9	3.4	14.1	1202		10, 12, 14		8	8	3	2	0		
<i>Pentaglottis sempervirens</i>	Bora	AN		1.81	100	p	hc		h	0					Eur		1753	88	11	3.6	15.2	915		1, 3, 17		6	5	6	7	0		
<i>Persicaria amphibia</i>	Poly	N	n	0.27	60	200	p	Hy	hc	h	Rhiz2	Irreg	5	6			2013	644	11	3.7	14.9	986		11, 13		7	10	6	6	0		

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Persicaria bistorta</i>	Poly	N		n	-0.44	80		p		hc		h	Rhiz1		5	5			1355	43	0	3.3	14.8	1021	6	6	7	6	6	0		
<i>Persicaria hydropiper</i>	Poly	N		n	-0.41	75		a		Th		h	0		7	6			2041	740	9	3.7	14.8	1093	11, 13, 14	7	7	6	6	0		
<i>Persicaria lapathifolia</i>	Poly	N		n	-0.04	100		a		Th		h	0		8	6			1881	434	10	3.7	15.1	958	4, 11	7	6	7	7	0		
<i>Persicaria maculosa</i>	Poly	N		n	-0.95	80		a		Th		h	0		7	5			2578	934	12	3.6	14.6	1077	3, 4	7	6	6	7	0		
<i>Persicaria minor</i>	Poly	N		n	-0.06	40		a		Th		h	0		7	5			296	93	1	3.6	15.2	1003	13, 14	7	8	5	8	0		
<i>Persicaria mitis</i>	Poly	N		s	-0.90	75		a		Th		h	0		7	3			203	31	1	3.8	15.9	780	13, 14	7	8	6	9	0		
<i>Persicaria vivipara</i>	Poly	N		n	-0.58	30		p		hc		h	Rhiz1		2	6			446	5	0	1.6	12.2	1588	7, 15	8	6	6	2	0		
<i>Persicaria wallichii</i>	Poly	AN			0.59	150		p		Gn		h	Rhiz2				As1	390	145	0	3.8	14.8	1149	3	8	4	5	6	0			
<i>Petasites albus</i>	Aste	AN			0.01	70		p		Gn		h	Rhiz2				Eur	335	10	0	2.8	13.9	1000	1, 3	5	5	5	7	0			
<i>Petasites fragrans</i>	Aste	AN			0.80	30		p		Gn		h	Rhiz2				Eur	1328	582	12	4.1	15.3	941	3	5	5	6	6	0			
<i>Petasites hybridus</i>	Aste	N		n	-0.15	120		p		Gn		h	Rhiz2		7	3			1825	569	2	3.6	14.8	1002	14	6	7	7	7	0		
<i>Petrorhagia nanteuilii</i>	Cary	N	EN	r		50		a		Th		h	0		8	2			6	0	5	5.3	16.7	774	Co	19	9	2	6	1	3	
<i>Petrorhagia prolifera</i>	Cary	AN	CR			50		a		Th		h	0		7	3	Eur		5	0	0	3.8	16.5	613	8	8	3	5	2	0		
<i>Petrorhagia prolifera sens.lat.</i>	Cary	N		n	-0.68	50		a		Th		h	0		8	3			6	0	5	5.3	16.7	774	8, 19	8	3	6	2	1		
<i>Petroselinum crispum</i>	Apia	AR			-0.34	75		b		hc		h	0				Crop	401	42	10	4.2	15.8	819	3, 17	8	4	7	5	1			
<i>Petroselinum segetum</i>	Apia	N		n	0.12	100		b		hc		h	0		8	2			482	0	3	4.1	16.2	751	3, 4	8	5	8	6	0		
<i>Peucedanum officinale</i>	Apia	N		r	0.29	200		p		hc		h	0		8	3			10	0	0	4.1	16.7	599	Co	19	7	5	8	4	0	
<i>Peucedanum ostruthium</i>	Apia	AR			0.03	100		p		hc		h	0				Eur	184	21	0	2.6	13.5	1127	5	6	5	7	7	0			
<i>Peucedanum palustre</i>	Apia	N		s	-0.07	150		b		hc		h	0		5	4	c		47	0	0	3.6	16.1	631	11	7	9	7	5	0		
<i>Phalaris arundinacea</i>	Poac	N		n	0.23	200		p		Hy	Gn	h	Rhiz2		5	6			2449	753	6	3.6	14.6	1044	11, 14	7	9	7	7	1		
<i>Phalaris canariensis</i>	Poac	AN			-0.32	120		a		Th		h	0				Eur?	1102	60	10	3.7	15.5	856	3, 17	8	4	7	6	0			
<i>Phalaris minor</i>	Poac	AN				45		a		Th		h	0		9	1	Eur		80	4	6	4.1	15.9	760	4, 17	8	5	6	5	0		
<i>Phragopteris connectilis</i>	Thel	N		n	-0.22	40		p		Gn		h	Rhiz2		5	6			1017	88	0	2.4	13.1	1515	1, 16	4	6	4	4	0		
<i>Phleum alpinum</i>	Poac	N		s	-0.30	50		p		hc		h	Rhiz1		2	6			33	0	0	-0.7	10.8	1770	11, 15	8	5	6	4	0		
<i>Phleum arenarium</i>	Poac	N		n	-0.56	17		a		Th		h	0		8	3			219	69	9	4.5	15.3	918	Co	19	9	3	5	3	1	
<i>Phleum bertolonii</i>	Poac	N		n		50		p		hc		h	0		8	3			1927	82	4	3.5	15.1	942	3, 6	8	4	7	4	0		
<i>Phleum phleoides</i>	Poac	N		r	-0.10	60		p		hc		h	0		7	4	c		26	0	0	3.3	16.2	621	8	8	3	8	2	0		
<i>Phleum pratense</i>	Poac	N		n		150		p		hc		h	0		7	4			2294	672	3	3.5	14.8	1023	3, 6	8	5	7	6	0		
<i>Phleum pratense sens.lat.</i>	Poac	N		n	-0.33	100		p		hc		h	0		8	4			2429	719	10	3.5	14.7	1047	3, 6	8	5	7	6	0		
<i>Phragmites australis</i>	Poac	N		n	0.43	270		p		Hy	Gn	h	Rhiz2		6	6			2182	785	11	3.7	14.7	1055	11	7	10	7	6	2		
<i>Phyllitis scolopendrium</i>	Aspl	N		n	0.45	60		p		hc		h	0		7	3			2115	934	14	3.8	14.8	1048	1, 16	4	5	7	5	0		
<i>Phyllocoete caerulea</i>	Eric	N	VU	r		20		p		Ch		w	0		1	3			3	0	0	-1.1	10.6	1829	10, 15	7	4	3	2	0		
<i>Physospermum cornubiense</i>	Apia	N	VU	r	0.07	120		p		hc		h	0		7	3			14	0	0	5.4	15.5	1279	1, 10	6	5	4	4	0		
<i>Phyteuma orbiculare</i>	Camp	N		s	-0.16	50		p		hc		h	0		5	3			55	0	0	3.9	16.3	806	7	7	4	8	3	0		
<i>Phyteuma spicatum</i>	Camp	NA	VU	r	-0.73	80		p		hc		h	0		7	3			8	0	0	4.1	16.4	826	1, 3	5	5	6	5	0		
<i>Picea abies</i>	Pina	AN				4600		p		Ph		w	0		4	5	c	Eur, As	1460	120	2	3.2	14.7	1054	2	7	6	3	4	0		
<i>Picea sitchensis</i>	Pina	AN				5500		p		Ph		w	0				Am4	1144	215	1	3.2	14.1	1223	2	7	7	2	2	0			
<i>Picris echioptoides</i>	Aste	AR			0.77	80		a	b	Th	hc	h	0		8	3			1191	25	10	3.9	15.9	795	3, 4	7	5	7	6	0		
<i>Picris hieracioides</i>	Aste	N		n	-0.06	95		p		hc		h	0		7	5			885	0	8	3.8	16.0	781	7	8	4	8	3	0		
<i>Pilosella aurantiaca</i>	Aste	AN				20		p		hc		h	Rhiz2	Stol2	4	3	Eur		1343	69	4	3.4	14.9	985	3, 17	8	4	6	2	0		
<i>Pilosella flagellaris</i>	Aste	N		n		13		p		hc		h	Stol2		5	3	c		3	0	0	3.5	11.5	1153	3, 16	8	4	7	4	0		
<i>Pilosella flagellaris subsp.bicapitata</i>	Aste	NE	VU	r		13		p		hc		h	Stol2		4	1			3	0	0	3.5	11.5	1153	16	8	5	6	3	0		
<i>Pilosella flagellaris subsp.flagellaris</i>	Aste	AN				13		p		hc		h	Stol2				Eur	72	0	0	3.0	14.9	786	3	8	4	7	4	0			
<i>Pilosella officinarum</i>	Aste	N		n	-0.59	12		p		hc		h	Stol2		7	3			2629	899	12	3.5	14.5	1094	7	8	4	7	2	0		

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S	
<i>Pilosella peleteriana</i>	Aste	N	VU	r		9	p	hc	h	Stol2					5	2			11	0	12	5.2	16.1	871		7, 16		8	3	8	2	0	
<i>Pilularia globulifera</i>	Mars	N		s	-0.03	10	10	p	Hy	h	Rhiz2				7	2			312	24	3	3.6	14.8	1040		13		8	10	4	2	0	
<i>Pimpinella major</i>	Apia	N		n	-0.16	100		p	hc	h	0				7	3			584	109	0	3.6	15.5	819		6		7	5	7	6	0	
<i>Pimpinella saxifraga</i>	Apia	N		n	-0.31	70		p	hc	h	0				7	4			1938	391	0	3.6	15.0	968		7		7	4	7	3	0	
<i>Pinguicula alpina</i>	Lent	NA	EX	x		5	p	hc	h	0					1	1	4			1	0	0	3.0	13.6	752		11		9	8	8	2	0
<i>Pinguicula grandiflora</i>	Lent	N		o		8	p	hc	h	0					7	1			0	74	0	5.1	14.7	1270		10, 12		7	8	4	2	0	
<i>Pinguicula lusitanica</i>	Lent	N		n	-0.83	3	p	hc	h	0					7	1			500	309	0	3.9	13.7	1475		10, 11		8	8	4	2	0	
<i>Pinguicula vulgaris</i>	Lent	N		n	-0.76	8	p	hc	h	0					4	6			1523	484	0	3.0	13.6	1305		11, 12		8	8	6	2	0	
<i>Pinus contorta</i>	Pina	AN				2500	p	Ph	w	0							Am4		444	116	2	3.3	14.0	1302		2		7	5	5	2	0	
<i>Pinus nigra</i>	Pina	AN				4200	p	Ph	w	0							Eur		1009	25	6	3.7	15.5	889		1, 2, 17, 19		7	3	5	2	0	
<i>Pinus sylvestris</i>	Pina	N		s	0.40	3000	p	Ph	w	0					4	5			65	0	0	0.8	11.7	1930		2		7	6	2	2	0	
<i>Pisum sativum</i>	Faba	AC				200	a	Th	h	0					0	3	Eur		137	10	2	4.0	15.6	896		3, 4		7	4	7	7	0	
<i>Plantago coronopus</i>	Plan	N		n	0.16	6	b	hc	h	0					8	4			1445	303	14	4.1	14.8	1065		3, 6, 18		8	6	6	4	2	
<i>Plantago lanceolata</i>	Plan	N		n	1.35	15	p	hc	h	Rhiz1					8	4			2804	985	14	3.5	14.5	1105		6, 7		7	5	6	4	0	
<i>Plantago major</i>	Plan	N		n	0.09	15	p	hc	h	0					6	5			2766	975	14	3.5	14.5	1102		3, 5		7	5	6	7	0	
<i>Plantago maritima</i>	Plan	N		n	-0.28	15	p	hc	h	0					3	4			1295	405	8	3.8	14.0	1248		Co	15, 21	8	7	6	4	3	
<i>Plantago media</i>	Plan	N		n	-0.79	6	p	hc	h	Rhiz1					7	5			1243	0	0	3.5	15.6	804		7		8	4	7	3	0	
<i>Platanthera bifolia</i>	Orch	N		n	-1.67	40	p	Gn	h	0					5	5			949	308	1	3.5	14.3	1235		1, 10		6	6	6	2	0	
<i>Platanthera chlorantha</i>	Orch	N		n	-0.88	50	p	Gn	h	0					7	3			1163	251	0	3.4	14.7	1147		1, 6		5	5	7	4	0	
<i>Poa alpina</i>	Poac	N		s	-0.31	40	p	hc	h	0	DRI		1	6			72	2	0	0.6	11.5	2142		15		7	5	7	3	0			
<i>Poa angustifolia</i>	Poac	N		n		70	p	hc	h	Rhiz2					8	6			831	0	6	3.7	15.8	790		7, 8		7	5	7	5	0	
<i>Poa annua</i>	Poac	N		n	0.83	20	a	p	Th	hc	h	0			6	4			2792	985	14	3.5	14.5	1105		3, 4, 5, 6		7	5	6	7	1	
<i>Poa bulbosa</i>	Poac	N		s	0.63	35	p	hc	h	0	DRI				8	4			72	0	6	4.6	16.4	741		Co	19	8	3	5	2	0	
<i>Poa chaixii</i>	Poac	AN			-0.05	100	p	hc	h	0							Eur		169	3	1	3.1	14.5	959		1		5	5	6	5	0	
<i>Poa compressa</i>	Poac	N		n	0.21	50	p	hc	h	Rhiz2					7	3			1063	0	2	3.6	15.6	850		3		9	4	7	4	0	
<i>Poa flexuosa</i>	Poac	N	VU	r		22	p	hc	h	0					1	3			8	0	0	-0.6	10.5	1907		15, 16		8	5	3	2	0	
<i>Poa glauca</i>	Poac	N		s	-0.48	40	p	hc	h	0					2	6			62	0	0	1.1	11.6	2252		15, 16		7	5	6	3	0	
<i>Poa humilis</i>	Poac	N		n		30	p	hc	h	Rhiz2					?	?			1865	297	5	3.4	14.3	1134		6, 19		8	6	6	4	2	
<i>Poa infirma</i>	Poac	N		s	1.33	10	a	Th	h	0					9	1			54	0	13	5.9	16.3	935		3		8	4	5	5	0	
<i>Poa nemoralis</i>	Poac	N		n	0.27	75	p	hc	h	0					5	6			1960	0	5	3.2	14.8	1015		1		4	5	6	5	0	
<i>Poa palustris</i>	Poac	AN			-1.55	100	p	hc	h	0					5	6	NHem		132	12	2	3.7	15.2	948		11, 13, 14		7	9	7	6	0	
<i>Poa pratensis sens.lat.</i>	Poac	N		n	0.60	58	p	hc	h	Rhiz2					6	6			2766	928	10	3.5	14.5	1102		3, 5, 6, 7		7	5	6	5	1	
<i>Poa pratensis sens.str.</i>	Poac	N		n		75	p	hc	h	Rhiz2					6	6			1637	423	2	3.6	14.8	1017		3, 5, 6, 7		7	5	6	5	0	
<i>Poa trivialis</i>	Poac	N		n	1.10	70	p	hc	h	0	Node1				6	4			2721	903	11	3.6	14.5	1095		1, 3, 6		7	6	6	6	0	
<i>Polemonium caeruleum</i>	Pole	N		r	1.17	90	p	hc	h	0					5	4	c		16	0	0	1.9	13.9	1246		16		5	5	7	6	0	
<i>Polycarpon tetraphyllum</i>	Cary	NA		r	-0.04	25	a	Th	h	0					9	1			16	0	14	6.3	16.3	923		3, 4, 17		9	4	6	4	0	
<i>Polygala amarella</i>	Poly	N	VU	r	-0.10	10	p	Ch	h	0					5	3	c		18	0	1	2.8	15.0	1037		7		9	6	9	1	0	
<i>Polygala calcarea</i>	Poly	N		n	-0.37	10	p	Ch	h	0					8	1			153	0	0	3.7	16.2	783		7		7	3	8	2	0	
<i>Polygala serpylliifolia</i>	Poly	N		n	-0.50	15	p	Ch	h	0					7	2			2150	717	11	3.4	14.1	1200		8, 10, 12		8	7	2	2	0	
<i>Polygala vulgaris</i>	Poly	N		n	-1.14	25	p	Ch	h	0					7	3			2176	685	8	3.5	14.4	1114		7		8	5	6	3	0	
<i>Polygonatum multiflorum</i>	Lili	N		n	0.27	80	p	Gn	h	Rhiz2					7	3			268	0	0	3.6	16.0	829		1		4	5	7	6	0	
<i>Polygonatum odoratum</i>	Lili	N		s	0.34	40	p	Gn	h	Rhiz2					7	5			48	0	0	3.1	15.1	1091		1, 16		5	3	7	3	0	
<i>Polygonatum verticillatum</i>	Lili	N	VU	r		80	p	Gn	h	Rhiz2					4	3			10	0	0	1.2	13.1	1061		1		4	5	5	5	0	
<i>Polygonum arenastrum</i>	Poly	AR				20	a	Th	h	0					6	5			1937	480	10	3.7	14.9	1008		3, 4		7	5	7	6	0	
<i>Polygonum aviculare</i>	Poly	N		n		30	a	Th	h	0					6	6			2030	819	2	3.7	14.8	1039		4, 17		7	5	6	7	0	
<i>Polygonum aviculare agg.</i>	Poly	N		n	-0.70	30	a	Th	h	0					6	6			2605	906	13	3.6	14.6	1073		3, 4, 17		7	5	7	6	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Polygonum boreale</i>	Poly	N		s		20		a		Th		h	0		4	2			109	0	0	3.6	12.4	1084	4			7	5	6	6	0
<i>Polygonum maritimum</i>	Poly	N	EN	r	0.21	20		p		Ch		h	0		9	1			16	1	4	6.0	16.2	950	Co	19		9	3	5	4	3
<i>Polygonum oxyspermum</i>	Poly	N		n	0.01	20		a		Th		h	0		6	3			305	75	9	4.6	14.8	1102	Co	19		9	6	7	8	3
<i>Polygonum rurivagum</i>	Poly	AR				20		a		Th		h	0		7	3			274	0	4	3.9	16.1	738	4			8	4	8	5	0
<i>Polypodium cambricum</i>	Poly	N		n		40		p		hc	Gn	h	Rhiz1		9	1			196	157	1	4.4	15.1	1102	3, 16			6	5	7	3	0
<i>Polypodium interjectum</i>	Poly	N		n		40		p		hc	Gn	h	Rhiz1		7	2			1188	487	12	3.9	14.9	1074	1, 3, 16			5	5	5	3	0
<i>Polypodium vulgare</i>	Poly	N		n		40		p		hc	Gn	h	Rhiz1		5	3			1795	523	1	3.5	14.3	1158	1, 3, 16			5	5	4	3	0
<i>Polypodium vulgare sens.lat.</i>	Poly	N		n	-0.03	40		p		hc	Gn	h	Rhiz1		6	3			2496	916	12	3.5	14.4	1133	1			5	5	5	3	0
<i>Polygonum monspeliensis</i>	Poac	N		s	0.60	80		a		Th		h	0		9	1			45	0	0	4.3	16.6	661	6			8	8	7	6	3
<i>Polystichum aculeatum</i>	Dryo	N		n	0.54	60		p		hc		h	0		7	5			1618	314	3	3.2	14.4	1145	1, 16			5	5	7	5	0
<i>Polystichum lonchitis</i>	Dryo	N		n	-0.76	30		p		hc		h	0		4	6			181	20	0	1.4	12.1	1857	7, 15, 16			6	5	7	3	0
<i>Polystichum setiferum</i>	Dryo	N		n	1.47	120		p		hc		h	0		9	2			1249	748	10	4.1	15.0	1032	1			4	5	5	6	0
<i>Populus alba</i>	Sali	AN				2000		p		Ph		w	Root					Eur, As1	1531	116	10	3.6	15.3	867	3, 17, 19			6	6	7	6	0
<i>Populus alba x tremula (P. x canescens)</i>	Sali	AN			0.97	3000		p		Ph		w	Root					Eur	1145	110	7	3.8	15.6	819	1, 3			6	6	6	5	0
<i>Populus nigra sens.lat.</i>	Sali	N		n	0.65	3000		p		Ph		w	Root		7	4			692	66	2	3.6	15.7	800	3, 14			6	8	7	7	0
<i>Populus tremula</i>	Sali	N		n	0.88	2000		p		Ph		w	Root		5	5			2248	414	7	3.3	14.5	1102	1, 16			6	5	5	6	0
<i>Potamogeton acutifolius</i>	Pota	N	VU	r	0.05		100	p		Hy		h	DRa		7	3			35	0	0	4.0	16.4	702	13			7	12	7	6	0
<i>Potamogeton alpinus</i>	Pota	N		n	0.30		280	p		Hy		h	Irreg	DRa	4	6			537	142	1	3.1	14.1	1188	13			7	12	6	5	1
<i>Potamogeton berchtoldii</i>	Pota	N		n	1.66		60	p		Hy		h	DRa		5	6			1461	317	2	3.6	14.7	1027	13, 14			7	12	6	5	0
<i>Potamogeton coloratus</i>	Pota	N		s	0.03		70	p		Hy		h	Irreg	Rhiz2	8	3			142	140	2	4.1	15.1	893	13			7	11	8	5	0
<i>Potamogeton compressus</i>	Pota	N		s	-1.68		90	p		Hy		h	DRa		5	5			134	0	0	3.4	15.9	697	13			7	12	7	4	0
<i>Potamogeton crispus</i>	Pota	N		n			150	p		Hy		h	Rhiz2	DRa	8	5			1541	358	8	3.7	15.2	893	13, 14			7	12	7	6	1
<i>Potamogeton epihydrus</i>	Pota	N	VU	r	0.11		190	p		Hy		h	Irreg	DRa	5	0			2	0	0	4.5	13.0	1288	13			8	12	5	1	0
<i>Potamogeton filiformis</i>	Pota	N		s	0.63		30	p		Hy		h	Rhiz2	DRg	4	6			161	63	0	3.6	13.3	1109	13			7	12	7	5	1
<i>Potamogeton friesii</i>	Pota	N		s	-1.06		150	p		Hy		h	DRa		5	6			270	43	0	3.6	15.4	782	13			7	12	7	5	0
<i>Potamogeton gramineus</i>	Pota	N		n	0.67		80	p		Hy		h	Irreg	Rhiz2	5	6			473	163	0	3.3	13.8	1170	13, 14			7	12	6	3	0
<i>Potamogeton gramineus x lucens (P. x zizii)</i>	Pota	NH		s			120	p		Hy		h	Irreg	Rhiz2					100	92	0	3.5	14.3	1138	13, 14			7	12	6	4	0
<i>Potamogeton gramineus x perfoliatus (P. x nitens)</i>	Pota	NH		n			250	p		Hy		h	Irreg	Rhiz2					216	113	0	3.5	13.6	1257	14			7	12	6	5	1
<i>Potamogeton lucens</i>	Pota	N		n	0.25		250	p		Hy		h	Irreg	Rhiz2	7	4			456	171	1	3.7	15.5	832	13, 14			7	12	6	6	0
<i>Potamogeton natans</i>	Pota	N		n			100	p		Hy		h	Irreg	Rhiz2	5	6			2340	648	6	3.5	14.5	1091	11, 13, 14			7	11	6	4	0
<i>Potamogeton nodosus</i>	Pota	N		r	-0.18		250	p		Hy		h	Irreg	Rhiz2	8	6			15	0	0	3.9	16.4	761	14			6	12	8	5	0
<i>Potamogeton obtusifolius</i>	Pota	N		n	0.96		190	p		Hy		h	DRa		5	6			601	155	0	3.4	14.7	994	13			7	12	6	5	0
<i>Potamogeton pectinatus</i>	Pota	N		n			230	p		Hy		h	Rhiz2	DRg	6	6			1165	242	4	3.8	15.3	844	13, 14			6	12	7	7	2
<i>Potamogeton perfoliatus</i>	Pota	N		n			300	p		Hy		h	Irreg	Rhiz2	5	6			1056	275	0	3.5	14.6	1026	13, 14			7	12	6	5	1
<i>Potamogeton polygonifolius</i>	Pota	N		n		10	70	p		Hy	hc	h	Irreg	Rhiz2	7	2			1841	582	5	3.3	13.9	1254	11, 12, 13			8	10	4	2	0
<i>Potamogeton praelongus</i>	Pota	N		n	-0.26		300	p		Hy		h	Irreg	Rhiz2	4	6			252	90	0	3.2	14.1	1178	13			7	12	7	5	1
<i>Potamogeton pusillus</i>	Pota	N		n	0.77		70	p		Hy		h	DRa		8	6			806	146	1	3.6	15.1	877	13			7	12	7	6	1
<i>Potamogeton rutulus</i>	Pota	N		r	0.18		45	p		Hy		h	DRa		4	3			13	0	0	3.8	12.9	1115	13, 14			7	12	7	5	0
<i>Potamogeton trichoides</i>	Pota	N		n	0.57		100	p		Hy		h	DRa		8	4			185	0	1	3.8	16.2	739	13, 14			6	12	7	6	0
<i>Potentilla anglica</i>	Rosa	N		n	0.11	25		p		hc		h	Stol2		7	3			1248	733	4	4.0	15.0	1045	6			7	5	5	5	0
<i>Potentilla anserina</i>	Rosa	N		n	-0.23	25		p		hc		h	Stol2		5	6			2662	973	12	3.6	14.6	1083	6			8	7	7	6	2
<i>Potentilla argentea</i>	Rosa	N		n	-0.78	30		p		hc		h	0		7	4			323	0	5	3.6	16.0	704	3, 8			8	3	5	2	0
<i>Potentilla crantzii</i>	Rosa	N		s	-0.21	20		p		hc		h	0		2	4			98	0	0	0.7	12.0	1855	7, 16			8	5	8	2	0

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S		
<i>Potentilla erecta</i>	Rosa	N		n	-0.50	25		p		hc		h	0			5	4			2700	947	12	3.5	14.4	1118	8		7	7	3	2	0		
<i>Potentilla fruticosa</i>	Rosa	N		r	1.44	100		p		Pn		w	0			4	6				8	7	0	2.8	13.7	1366	16		8	6	8	2	0	
<i>Potentilla neumanniana</i>	Rosa	N		s	-0.17	10		p		hc		h	0			7	3			128	0	0	3.1	14.7	994	7, 16		7	3	8	1	0		
<i>Potentilla palustris</i>	Rosa	N		n	-0.21	50		p		Gn	Hy	h	Rhiz2			5	6			1672	721	1	3.4	14.0	1186	11		8	9	5	3	0		
<i>Potentilla reptans</i>	Rosa	N		n	-0.62	30		p		hc		h	Stol2			8	4			1882	769	11	3.8	15.1	959	6		7	5	7	5	0		
<i>Potentilla rupestris</i>	Rosa	N	VU	r		60		p		hc		h	0			9	3				4	0	0	3.0	13.8	934	16		7	4	6	2	0	
<i>Potentilla sterilis</i>	Rosa	N		n	-0.30	15		p		hc		h	Stol1			7	2			2167	742	8	3.6	14.7	1071	1		5	5	5	5	0		
<i>Primula elatior</i>	Prim	N		s	0.01	20		p		hc		h	0			7	3	c			38	0	0	3.3	16.3	591	1		4	5	7	6	0	
<i>Primula farinosa</i>	Prim	N		s	-0.46	5		p		hc		h	0			4	5			103	0	0	2.2	13.8	1194	7, 11		9	8	9	2	0		
<i>Primula scotica</i>	Prim	NE		s	-0.18	5		p		hc		h	0			4	1				42	0	0	3.6	12.4	1026	Co	6, 19		9	4	7	2	1
<i>Primula veris</i>	Prim	N		n	-0.32	15		p		hc		h	0			7	4			1632	369	6	3.7	15.2	900	6, 7		7	4	7	3	0		
<i>Primula vulgaris</i>	Prim	N		n	0.16	15		p		hc		h	0			7	3			2651	934	11	3.5	14.5	1108	1, 16		5	5	6	4	0		
<i>Prunella vulgaris</i>	Lami	N		n	0.60	30		p		hc		h	Node1			6	6			2783	970	14	3.5	14.4	1106	6, 7		7	5	6	4	0		
<i>Prunus avium</i>	Rosa	N		n	1.29	2500		p		Ph		w	Root			7	3			2136	431	7	3.4	14.8	1024	1		4	5	6	6	0		
<i>Prunus cerasifera</i>	Rosa	AN			3.43	800		p		Ph		w	0						Eur, As1	900	11	4	3.7	15.8	803	1, 3, 17		6	5	7	6	0		
<i>Prunus cerasus</i>	Rosa	AR			-0.90	800		p		Ph		w	Root						Eur	706	339	7	3.9	15.2	961	1, 3		6	5	6	5	0		
<i>Prunus domestica</i>	Rosa	AR			2.19	800		p		Ph		w	Root						Eur	1656	406	8	3.7	15.2	928	3, 17		7	5	7	6	0		
<i>Prunus laurocerasus</i>	Rosa	AN			4.70	600		p		Ph		w	0						Eur	1253	345	4	3.8	15.3	953	1, 17		4	6	5	6	0		
<i>Prunus lusitanica</i>	Rosa	AN				800		p		Ph		w	0						Eur	468	31	1	3.8	15.5	876	1, 17		6	5	7	6	0		
<i>Prunus padus</i>	Rosa	N		n	0.58	1500		p		Ph		w	0			5	5			1089	189	0	2.7	13.8	1240	1		5	6	6	7	0		
<i>Prunus spinosa</i>	Rosa	N		n	0.40	400		p		Ph		w	Root			7	3			2308	917	9	3.7	14.8	1032	3		6	5	7	6	1		
<i>Pseudofumaria lutea</i>	Fuma	AN			0.59	30		p		hc		h	0						Eur	1425	39	6	3.6	15.4	876	3, 17		6	6	8	5	0		
<i>Pseudorchis albida</i>	Orch	N		n	-0.88	20		p		Gn		h	0			4	3				385	110	0	2.6	13.0	1534	7, 8		8	5	6	2	0	
<i>Pseudotsuga menziesii</i>	Pina	AN				5800		p		Ph		w	0						Am4	900	13	0	3.4	15.0	1035	1, 2, 17		6	6	4	4	0		
<i>Pteridium aquilinum</i>	Denn	N		n	-0.71	150		p		Gn		h	Rhiz2			7	6			2685	964	14	3.5	14.5	1109	1, 9		6	5	3	3	0		
<i>Puccinellia distans</i>	Poac	N		n	3.02	60		p		hc		h	0			5	4			405	39	2	4.1	14.9	859	3, 21		8	8	7	7	4		
<i>Puccinellia fasciculata</i>	Poac	N		s	-0.51	50		p		hc		h	0			8	2				97	11	0	4.5	16.4	722	6		8	7	7	7	4	
<i>Puccinellia maritima</i>	Poac	N		n	-0.27	80		p		hc		h	Node2			5	1			788	201	3	4.1	14.4	1162	Co	21		9	8	7	6	5	
<i>Puccinellia rupestris</i>	Poac	N		s	-0.40	40	a	b	Th	hc	h	0			8	1				148	0	4	4.5	16.2	756	Co	6, 19		9	7	7	5	5	
<i>Pulicaria dysenterica</i>	Aste	N		n	-0.08	80		p		hc		h	Rhiz2			8	4			1497	391	14	4.0	15.5	885	6, 11		7	7	7	4	0		
<i>Pulicaria vulgaris</i>	Aste	N	VU	r	-0.55	45	a		Th		h	0				7	4				121	0	5	4.0	16.5	696	8		9	8	6	7	0	
<i>Pulmonaria longifolia</i>	Bora	N		s	-0.01	40	p		hc		h	0				7	1				21	0	0	4.7	16.5	810	1, 3		6	4	6	5	0	
<i>Pulmonaria obscura</i>	Bora	N	VU	r		30	p		hc		h	0				7	3	c			1	0	0	3.2	16.1	577	1		4	6	8	7	0	
<i>Pulmonaria officinalis</i>	Bora	AN			1.77	30	p		hc		h	0				7	3	c	Eur		682	8	0	3.4	15.3	922	1, 3, 17		5	5	8	6	0	
<i>Pulsatilla vulgaris</i>	Ranu	N		s	-0.50	30	p		hc		h	0				7	3	c			69	0	0	3.3	16.0	664	7		7	3	8	3	0	
<i>Pyrola media</i>	Pyro	N		s	-1.09	10	p		hc		h	Rhiz1			4	4			258	47	0	2.2	13.0	1197	2, 10		5	4	5	2	0			
<i>Pyrola minor</i>	Pyro	N		n	-0.55	7	p		hc	Ch	h	Rhiz1			4	6				558	50	0	2.6	13.9	1089	1, 16		5	5	4	2	0		
<i>Pyrola rotundifolia</i>	Pyro	N		s	-0.08	12	p		hc		h	Rhiz1			5	4			155	13	2	2.9	14.2	1072	2, 19		6	7	7	3	0			
<i>Pyrus communis sens.lat.</i>	Rosa	AR			1.49	1500	p		Ph		w	Root						Eur?, As1?	781	6	8	3.8	15.9	801	1, 3, 17		7	5	6	7	0			
<i>Pyrus communis sens.str.</i>	Rosa	AR				1500	p		Ph		w	Root						Gard						3, 17		7	5	6	7	0				
<i>Pyrus cordata</i>	Rosa	NA	EN	r		400	p		Ph		w	Root			7	1				9	0	0	5.4	15.9	1129	3		6	5	5	4	0		
<i>Quercus cerris</i>	Faga	AN			2.32	3500	p		Ph		w	0						Eur	1247	42	10	3.8	15.6	862	1, 3, 17		6	4	6	6	0			
<i>Quercus ilex</i>	Faga	AN			2.37	2500	p		Ph		w	0			9	1		Eur	802	22	14	4.1	15.9	824	1, 17, 19		6	3	7	4	1			
<i>Quercus petraea</i>	Faga	N		n	0.14	3000	p		Ph		w	0				7	3			1832	549	0	3.5	14.6	1136	1		6	6	3	4	0		
<i>Quercus robur</i>	Faga	N		n	-0.60	3000	p		Ph		w	0				7	3			2310	663	12	3.5	14.7	1049	1, 3		7	5	5	4	0		
<i>Radiola linoides</i>	Lina	N		n	-0.87	6	a		Th		h	0				7	3				548	115	11	4.2	14.7	1061	10		8	7	4	2	1	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Ranunculus acris</i>	Ranu	N		n	0.30		75	p	hc		h	0			3	5			2780	968	13	3.5	14.4	1106	6			7	6	6	4	0
<i>Ranunculus aquatilis</i>	Ranu	N		n			90	a	Hz		h	0		Irreg	7	3			1123	157	4	3.6	15.2	860	13,	14		7	11	7	5	0
<i>Ranunculus aquatilis sens.lat.</i>	Ranu	N		n	-1.37		90	a	Hz		h	0		Irreg	6	3			1830	430	6	3.6	15.3	860	13,	14		7	11	7	5	0
<i>Ranunculus arvensis</i>	Ranu	IAR			-3.77	60		a	Th		h	0			8	4			824	2	3	3.7	15.9	742	4			7	5	7	6	0
<i>Ranunculus auricomus</i>	Ranu	N		n	-0.33	40		p	hc		h	0			5	3			1379	226	1	3.3	15.1	922	1			6	7	6	5	0
<i>Ranunculus baudotii</i>	Ranu	N		n	-0.04		60	a	Hz		h	0		Node2	8	3			361	61	5	4.4	15.3	905	13			7	11	7	6	4
<i>Ranunculus bulbosus</i>	Ranu	N		n	-0.48	40		p	hc		h	0			8	3			2259	616	14	3.6	14.8	1004	6,	7		7	4	7	4	0
<i>Ranunculus circinatus</i>	Ranu	N		n	-0.34		75	p	Hy		h	Irreg			7	5			575	76	0	3.7	15.8	753	13,	14		7	12	7	7	0
<i>Ranunculus ficaria</i>	Ranu	N		n	0.16	25		p	Gn		h	0tb	DRa		8	3			2648	820	14	3.6	14.5	1084	1,	3		6	6	6	6	0
<i>Ranunculus flammula</i>	Ranu	N		n	-0.60	50		p	hc	Hy	h	Node1			7	3			2651	938	11	3.5	14.4	1122	11			7	9	5	3	0
<i>Ranunculus fluitans</i>	Ranu	N		n	1.96		300	p	Hy	h	Irreg	Node2			7	3			373	3	0	3.3	15.4	798	14			7	12	7	6	0
<i>Ranunculus hederaceus</i>	Ranu	N		n	0.10	9	23	a	p	Hz	Hy	h	0	Node2	8	2			1703	551	8	3.6	14.5	1093	11,	13		7	10	5	5	0
<i>Ranunculus lingua</i>	Ranu	N		n	1.70	120		p	hc	Hy	h	Rhiz2			7	4			537	210	0	3.7	15.2	868	11			7	10	6	7	0
<i>Ranunculus muricatus</i>	Ranu	AN				40		a	Th		h	0			0	3	Eur		18	1	0	5.0	15.6	864	4			7	4	5	5	0
<i>Ranunculus omiophyllus</i>	Ranu	N		n	0.52	9	25	a	p	Hz	Hy	h	0	Node2	8	2			813	151	1	3.7	14.7	1180	11			7	10	5	4	0
<i>Ranunculus ophioglossifolius</i>	Ranu	N	EN	r			40		a	Th	h	0			8	3			4	0	2	4.9	16.5	824	13			7	8	7	5	0
<i>Ranunculus paludosus</i>	Ranu	N		o		40		p	hc		h	Rhiz1			9	1			0	0	4	6.1	16.9	843	6			8	7	6	3	0
<i>Ranunculus parviflorus</i>	Ranu	N		n	-0.08	40		a	Th		h	0			8	2			497	0	11	4.3	16.0	834	6			7	5	6	5	0
<i>Ranunculus peltatus</i>	Ranu	N		n			90	a	Hz		h	0	Irreg		6	3			990	151	5	3.5	15.2	908	11,	13,	14	7	11	5	6	0
<i>Ranunculus penicillatus</i>	Ranu	N		n			180	p	Hy		h	Irreg			7	3			706	284	0	3.8	15.2	942	14			7	12	8	5	0
<i>Ranunculus repens</i>	Ranu	N		n	0.55	60		p	hc		h	Stol2			5	5			2784	983	14	3.5	14.5	1105	3,	6		6	7	6	7	0
<i>Ranunculus reptans</i>	Ranu	N	EN	r			10	p	hc	Hy	h	Stol2			4	6			9	0	0	2.6	13.7	1467	13			8	9	6	2	0
<i>Ranunculus sardous</i>	Ranu	NA		n	0.24	45		a	Th		h	0			7	3			544	0	12	4.1	15.9	800	3,	6,	13	8	7	6	7	2
<i>Ranunculus sceleratus</i>	Ranu	N		n	-0.05	60		a	Th		h	0			5	6			1492	353	6	3.8	15.4	861	11,	13,	14	8	8	8	8	2
<i>Ranunculus trichophyllus</i>	Ranu	N		n	-0.07		60	a	Hz		h	0	Irreg		3	6			1121	259	6	3.7	15.2	861	11,	13		7	12	6	6	0
<i>Ranunculus tripartitus</i>	Ranu	N	VU	s	-1.09	9	25	a	p	Hz	h	0			8	1			79	1	0	5.2	15.8	1024	13			9	10	6	3	0
<i>Raphanus raphanistrum</i>	Bras	N		n	-1.39	70		a	p	Th	hc	h	0		8	3			1862	259	13	4.6	15.0	1079	4,	19		7	5	6	6	0
<i>Raphanus raphanistrum</i> subsp. <i>maritimus</i>	Bras	N		n			80	b	p	hc		h	0		9	1			325	108	13	4.7	15.1	1093	19			7	4	7	5	3
<i>Raphanus raphanistrum</i> subsp. <i>raphanistrum</i>	Bras	AR					60	b	p	hc		h	0		8	3			1797	237	8	3.6	15.0	941	4			7	5	6	6	0
<i>Reseda lutea</i>	Rese	NA		n	0.39	75		p	hc		h	0			8	3			1276	0	7	3.6	15.7	808	3			7	4	7	5	0
<i>Reseda luteola</i>	Rese	AR			0.69	150		b	hc		h	0			8	4			1660	428	12	3.8	15.3	879	3,	17		7	4	8	6	0
<i>Rhamnus cathartica</i>	Rham	N		n	-0.04	600		p	Ph		w	0			7	4			857	88	0	3.6	15.8	783	1,	3		7	5	7	6	0
<i>Rhinanthus angustifolius</i>	Scro	AN			-0.10	60		a	Th		h	0			5	4	Eur, As1		90	0	0	3.1	14.6	809	3,	4,	7	7	6	7	2	0
<i>Rhinanthus minor</i>	Scro	N		n	-0.49	50		a	Th		h	0			5	3			2629	850	6	3.5	14.4	1115	6			7	5	6	4	0
<i>Rhododendron ponticum</i>	Eric	AN			1.83	500		p	Ph		w	0	Node1			Eur		1966	507	6	3.5	14.6	1111	1,	10,	16	5	5	3	3	0	
<i>Rhynchospora alba</i>	Cype	N		n	-0.43	30		p	hc		h	Rhiz1			5	6			624	407	0	3.6	14.0	1400	12			8	9	2	1	0
<i>Rhynchospora fusca</i>	Cype	N		s	0.02	30		p	hc		h	Rhiz2			5	2			46	94	0	4.4	14.7	1205	12			9	9	3	1	0
<i>Ribes alpinum</i>	Gros	N		s	0.45	200		p	Pn	Ph	w	0			4	3			50	0	0	2.3	14.2	1084	1,	3,	16	5	5	8	6	0
<i>Ribes nigrum</i>	Gros	AN			1.76	200		p	Pn		w	0			5	4	Eur, As1		1749	213	2	3.4	14.9	995	1,	3,	14	5	9	6	6	0
<i>Ribes rubrum</i>	Gros	NA		n	1.79	200		p	Pn		w	0			7	2			1874	0	2	3.3	15.1	944	1			5	7	7	6	0
<i>Ribes spicatum</i>	Gros	N		s	-0.12	200		p	Pn		w	0			5	3	c		118	0	0	2.0	13.2	1095	1,	16		4	6	7	6	0
<i>Ribes uva-crispa</i>	Gros	AN			0.72	100		p	Ph		w	Root			7	3	Eur		2130	312	4	3.4	14.8	1006	1,	3		5	5	7	6	0
<i>Robinia pseudoacacia</i>	Faba	AN				2700		p	Ph		w	Root					Am6	566	1	4	3.7	16.0	748	3,	17		7	4	6	6	0	
<i>Romulea columnae</i>	Irid	N	VU	r			6	p	Gn		h	0tb			9	1			2	0	14	6.2	16.5	842	Co	18,	19	9	4	5	2	0

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Rorippa amphibia</i>	Bras	N	n	0.03	120	p		Hy	hc	h	Node1			7	5			562	179	0	3.7	15.7	772		11, 13, 14	8	10	7	8	0		
<i>Rorippa islandica</i>	Bras	N	s		30	a		Th		h	0			4	4			41	29	0	4.0	14.1	1266		13	8	8	7	6	0		
<i>Rorippa microphylla</i>	Bras	N	n		30	60	p		Hy	Ch	h	Node2		?	?			1135	398	4	3.7	15.0	932		13, 14		7	10	7	6	0	
<i>Rorippa nasturtium-aquaticum</i>	Bras	N	n		30	60	p		Hy	Ch	h	Node2			8	4			1678	581	4	3.9	15.0	988		13, 14		7	10	7	7	0
<i>Rorippa nasturtium-aquaticum agg.</i>	Bras	N	n	-0.56	30	60	p		Hy	Ch	h	Node2			8	4			2317	888	10	3.7	14.8	1027		11, 13, 14		7	10	7	7	0
<i>Rorippa palustris</i>	Bras	N	n	0.44	60	a		Th		h	0			5	6			1353	332	7	3.6	15.2	914		11, 13	8	8	7	7	0		
<i>Rorippa sylvestris</i>	Bras	N	n	0.73	60	p		hc		h	Rhiz1			7	3			1129	107	7	3.6	15.4	886		11, 14	8	8	7	7	0		
<i>Rosa agrestis</i>	Rosa	N	s		150	p		Pn		w	0			7	3			55	39	0	4.1	15.6	836		7	8	3	8	3	0		
<i>Rosa arvensis</i>	Rosa	N	n	-0.17	150	p		Pn		w	0			7	3			1471	385	0	3.9	15.4	910		3	6	4	7	5	0		
<i>Rosa caesia</i>	Rosa	N	n		200	p		Pn	Ph	w	0			7	3			729	23	0	2.8	13.8	1151		1, 3	8	3	7	3	0		
<i>Rosa canina agg.</i>	Rosa	N	n		300	p		Pn	Ph	w	0			7	3			2576	856	12	3.7	15.1	993		1, 3	6	5	7	6	0		
<i>Rosa canina sens.str.</i>	Rosa	N	n		300	p		Pn	Ph	w	0			7	3			1540	285	2	3.7	15.1	993		1, 3	6	5	7	6	0		
<i>Rosa micrantha</i>	Rosa	N	n		300	p		Pn		w	0			7	3			394	56	5	4.2	15.9	872		1, 3, 7	6	3	7	3	0		
<i>Rosa mollis</i>	Rosa	N	n		150	p		Pn		w	Root			5	3			435	12	0	2.5	13.6	1138		1, 3, 16	5	5	7	4	0		
<i>Rosa mollis agg.</i>	Rosa	N	n		150	p		Pn		w	0			5	3			1894	538	1	3.4	14.1	1189		1, 3, 16	5	5	7	4	0		
<i>Rosa obtusifolia</i>	Rosa	N	s		200	p		Pn	Ph	w	0			7	3			193	2	0	3.6	16.1	728		1, 3	7	4	8	4	0		
<i>Rosa pimpinellifolia</i>	Rosa	N	n	-0.05	50	p		Ch	Pn	w	Root			7	5			924	308	10	3.8	14.4	1124		10, 16, 19	8	3	6	3	0		
<i>Rosa rubiginosa</i>	Rosa	N	n		200	p		Pn		w	0			7	3			360	55	1	3.6	15.1	845		3, 7	7	3	8	3	0		
<i>Rosa rubiginosa agg.</i>	Rosa	N	n		200	p		Pn		w	0			7	3			1065	242	8	3.6	15.2	850		3, 7	7	3	8	3	0		
<i>Rosa rugosa</i>	Rosa	AN			150	p		Pn		w	0					As2		875	65	7	3.8	15.0	967		3, 18, 19	8	3	6	3	0		
<i>Rosa sherardii</i>	Rosa	N	n		150	p		Pn		w	0			7	3			1121	362	0	3.4	14.2	1188		1, 3, 16	6	5	6	4	0		
<i>Rosa stylosa</i>	Rosa	N	n		300	p		Pn	Ph	w	0			7	3			286	25	1	4.3	16.1	847		1, 3	7	4	8	4	0		
<i>Rosa tomentosa</i>	Rosa	N	n		300	p		Pn		w	0			7	3			414	30	1	3.7	15.8	842		1, 3	7	4	7	4	0		
<i>Rubia peregrina</i>	Rubi	N	n	0.17	90	p		hc	Pn	sw	Rhiz2			9	1			240	79	7	5.2	15.7	1031		1	6	4	8	5	0		
<i>Rubus arcticus</i>	Rosa	N	EX	x		30	p	hc		h	Rhiz2			4	6			4	0	0	0.6	11.2	1782		10	7	5	7	4	0		
<i>Rubus caesius</i>	Rosa	N	n	-0.34	50	p		Ch	Pn	w	Tip			7	4			1339	166	5	3.8	15.6	851		3	7	7	7	6	0		
<i>Rubus chamaemorus</i>	Rosa	N	n	-0.47	20	p		hc		h	Rhiz2			4	6			394	1	0	1.1	12.2	1594		10, 12	9	7	1	1	0		
<i>Rubus fruticosus agg.</i>	Rosa	N	n	-0.29	200	p		Pn		w	Tip			8	3			2564	974	14	3.6	14.6	1089		1, 3	6	6	6	6	0		
<i>Rubus idaeus</i>	Rosa	N	n	-0.09	150	p		Ph		w	Root			5	6			2425	648	2	3.4	14.5	1095		1	6	5	5	5	0		
<i>Rubus saxatilis</i>	Rosa	N	n	-0.27	40	p		hc		h	Stol2			5	5			793	132	0	2.4	13.0	1514		1, 7, 16	7	5	7	4	0		
<i>Rubus spectabilis</i>	Rosa	AN			200	p		Pn		w	Tip					Am4		210	153	0	3.4	13.8	1162		1, 3	6	6	5	5	0		
<i>Rumex acetosa</i>	Poly	N	n	1.32	60	p		hc		h	0			5	4			2790	979	14	3.5	14.4	1105		6	7	5	4	0			
<i>Rumex acetosella</i>	Poly	N	n	-0.62	30	p		hc		h	Root			6	4			2743	865	14	3.5	14.4	1110		8, 9, 16	7	5	4	3	0		
<i>Rumex aquaticus</i>	Poly	N	VU	r	180	p		hc	Hy	h	0			5	6	c		3	0	0	2.7	13.8	1795		11, 13, 14	7	9	7	7	0		
<i>Rumex conglomeratus</i>	Poly	N	n	0.20	60	p		hc		h	0			8	4			1768	702	12	3.9	15.2	953		11, 14	8	8	7	7	0		
<i>Rumex crispus</i>	Poly	N	n	0.11	100	p		hc		h	0			8	4			2724	958	14	3.6	14.5	1087		3, 6, 19	8	6	7	6	2		
<i>Rumex hydrolapathum</i>	Poly	N	n	-0.13	200	p		hc	Hy	h	0			7	3			958	191	6	3.9	15.7	812		11	7	10	7	6	0		
<i>Rumex longifolius</i>	Poly	N	n	0.93	120	p		hc		h	0			4	5			590	0	0	2.3	13.0	1174		3, 13	7	6	7	7	0		
<i>Rumex maritimus</i>	Poly	N	n	0.42	40	a	p	Th	hc	h	0			7	6			398	17	3	3.7	15.9	709		13, 14	8	9	7	7	0		
<i>Rumex obtusifolius</i>	Poly	N	n	0.66	100	p		hc		h	0			7	3			2746	973	14	3.6	14.5	1100		3, 5, 17	7	5	7	9	0		
<i>Rumex palustris</i>	Poly	N	n	0.31	60	p		hc		h	0			7	3			235	0	0	3.6	16.2	637		13	7	8	7	8	0		
<i>Rumex pseudoalpinus</i>	Poly	AR		-0.42	70	p		hc		h	0					Eur		184	1	0	2.4	13.7	1052		3, 17	7	6	7	9	0		
<i>Rumex pulcher</i>	Poly	N		0.24	40	p		hc		h	0			8	3			508	0	14	4.2	16.3	772		3, 5, 6	7	6	7	7	0		
<i>Rumex rupestris</i>	Poly	N	EN	s	-0.28	50	p		hc		h	0			7	0			40	0	11	6.1	16.1	1000	Co	18, 19	7	8	5	5	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Rumex sanguineus</i>	Poly	N		n	0.66	60		p		hc		h	0		7	3			2026	749	11	3.8	15.0	1003	1		5	7	7	7	0	
<i>Ruppia cirrhosa</i>	Rupp	N		s	-0.41		60	p		Hy		h	Irreg	Rhiz2	6	6			121	22	1	4.4	15.5	841	Co	21		7	12	7	5	4
<i>Ruppia maritima</i>	Rupp	N		n	-0.34		40	p		Hy		h	Irreg	Rhiz2	6	6			363	80	3	4.3	14.8	1063	Co	21		9	11	8	8	4
<i>Ruscus aculeatus</i>	Lili	N		n	0.74	77		p		Pn		w	Rhiz1		9	2			238	0	12	4.3	16.4	782		1, 3		4	5	4	4	0
<i>Sagina apetala</i>	Cary	N		n	0.25	15		a		Th		h	0		8	3			2020	646	12	3.7	14.9	989		17		9	4	6	3	0
<i>Sagina maritima</i>	Cary	N		n	-0.08	15		a		Th		h	0		8	3			635	138	10	4.4	14.5	1072	Co	18, 19		9	7	7	4	4
<i>Sagina nivalis</i>	Cary	N	VU	r			3	p		Ch		h	0		1	6			4	0	0	-0.2	11.4	2256		15		8	7	8	1	0
<i>Sagina nodosa</i>	Cary	N		n	-1.14	15		p		Ch	hc	h	0		5	4			1148	482	6	3.6	14.3	1089		11, 19		8	7	7	3	1
<i>Sagina procumbens</i>	Cary	N		n	1.28	20		p		hc		h	0	Node1	5	4			2788	951	14	3.5	14.4	1106		6, 16, 17		7	6	6	5	1
<i>Sagina saginoides</i>	Cary	N		s	-0.77	10		p		Ch		h	0		1	6			55	0	0	0.2	11.2	1851		7, 15		8	7	6	2	0
<i>Sagina subulata</i>	Cary	N		n	-0.44	10		p		Ch		h	0		7	3			654	49	11	3.7	13.9	1291		8, 10		8	6	6	4	0
<i>Sagittaria sagittifolia</i>	Alis	N		n	-0.44		95	p		Hy		h	DRg		5	4			640	114	0	3.7	15.8	747		13, 14		7	11	7	6	0
<i>Salicornia</i>	Chen	N		n	-0.82	36		a		Th		h	0		6	6			511	144	6	4.3	14.9	1107	Co	21		9	7	8	6	8
<i>Salicornia dolichostachya</i>	Chen	N		n		45		a		Th		h	0		5	3			154	21	0	4.3	15.7	854	Co	21		9	8	8	6	9
<i>Salicornia europaea</i>	Chen	N		n		35		a		Th		h	0		6	6			241	77	1	4.5	15.2	1038	Co	21		9	8	8	6	9
<i>Salicornia europaea agg.</i>	Chen	N		n		38		a		Th		h	0		6	6			340	96	5	4.5	15.2	1038		21		9	8	8	6	9
<i>Salicornia fragilis</i>	Chen	N		s		40		a		Th		h	0		7	1			98	35	0	4.5	15.7	884	Co	21		9	8	8	6	9
<i>Salicornia nitens</i>	Chen	N	r			25		a		Th		h	0		8	1			23	1	0	4.2	15.7	821	Co	21		9	7	8	6	9
<i>Salicornia obscura</i>	Chen	N	r			40		a		Th		h	0		7	1			13	0	0	4.1	16.4	712	Co	21		9	8	8	6	9
<i>Salicornia procumbens agg.</i>	Chen	N	n			35		a		Th		h	0		5	3			175	42	0	4.3	15.7	854		21		9	8	8	6	9
<i>Salicornia pusilla</i>	Chen	N	s	-0.21		25		a		Th		h	0		7	1			84	11	0	4.6	16.2	791	Co	21		9	6	8	6	5
<i>Salicornia ramosissima</i>	Chen	N		n		40		a		Th		h	0		8	2			224	16	2	4.4	15.7	862	Co	21		9	7	8	5	9
<i>Salix alba</i>	Sali	AR			0.02	2500		p		Ph		w	0		8	4			1770	568	8	3.7	15.1	938		14		6	7	8	8	0
<i>Salix arbuscula</i>	Sali	N		s	-0.12	70		p		Pn		w	0		1	3			48	0	0	0.0	11.5	1965		15, 16		8	5	7	2	0
<i>Salix aurita</i>	Sali	N		n	-0.01	250		p		Pn		w	0		5	3			2096	850	1	3.4	14.2	1190		1, 16		7	8	4	3	0
<i>Salix caprea</i>	Sali	N		n	0.34	1000		p		Ph		w	0		5	5			2412	620	3	3.4	14.6	1080		1		7	7	7	7	0
<i>Salix cinerea</i>	Sali	N	n	0.84	800		p		Ph		w	0		5	4			2590	934	12	3.5	14.5	1096		1, 11		7	8	6	5	0	
<i>Salix fragilis</i>	Sali	AR			0.26	1500		p		Ph		w	0		7	4			1980	530	6	3.6	15.0	955		1, 14		6	8	7	7	0
<i>Salix herbacea</i>	Sali	N		n	-0.33	6		p		Ch		w	Rhiz2		1	3			391	68	0	2.2	12.3	1849		15		8	5	3	2	0
<i>Salix lanata</i>	Sali	N	VU	r	0.07	100		p		Pn		w	0		1	6			15	0	0	-0.8	10.8	1723		15		8	6	7	3	0
<i>Salix lapponum</i>	Sali	N	s	-0.73		100		p		Pn		w	0		2	4			101	0	0	0.2	11.3	1956		15		8	6	6	3	0
<i>Salix myrsinifolia</i>	Sali	N		n	0.93	300		p		Pn	Ph	w	0		4	4			276	21	0	1.8	13.0	1253		13, 14, 16		6	8	5	4	0
<i>Salix myrsinoides</i>	Sali	N	s	-0.58		40		p		Ch	Pn	w	0		1	3			78	0	0	0.3	11.4	1854		15, 16		8	5	6	2	0
<i>Salix pentandra</i>	Sali	N		n	0.11	700		p		Ph		w	0		5	4			700	305	0	3.0	14.0	1114		1		7	8	6	4	0
<i>Salix phyllicifolia</i>	Sali	N		n	-0.14	400		p		Ph	Pn	w	0		2	6			456	7	0	1.7	12.7	1412		14, 16		7	8	5	4	0
<i>Salix purpurea</i>	Sali	N		n	-0.01	300		p		Pn	Ph	w	0		7	4			1189	379	3	3.4	14.8	984		11, 14		8	9	7	5	0
<i>Salix repens</i>	Sali	N	n	-0.42	150		p		Pn		w	Rhiz2		5	4			1624	459	3	3.5	14.0	1205		10, 19		8	7	6	3	0	
<i>Salix reticulata</i>	Sali	N	s	-0.17		15		p		Ch		w	Rhiz1		1	6			25	0	0	-0.1	11.3	2081		15, 16		7	6	8	3	0
<i>Salix triandra</i>	Sali	AR			-0.06	1000		p		Ph		w	0		7	5			862	105	4	3.7	15.6	813		11, 13, 14		7	8	7	5	0
<i>Salix viminalis</i>	Sali	AR			0.61	600		p		Ph		w	0		7	5			2194	780	11	3.7	14.8	1030		11, 13, 14		7	8	6	6	0
<i>Salsola kali</i>	Chen	N		n	-0.61	50		a		Th		h	0		8	4			388	109	11	4.5	14.9	1008	Co	19		9	6	7	8	3
<i>Salvia pratensis</i>	Lami	NA	s	-0.75	90		p		hc		h	0		7	3			36	0	1	3.7	16.3	733		3, 7		8	3	8	4	0	
<i>Salvia verbenaca</i>	Lami	N	n	-0.51	80		p		hc		h	0		9	1			481	20	12	4.1	16.1	748		3, 7		8	3	7	2	0	
<i>Sambucus ebulus</i>	Capr	AR			-0.17	150		p		hc		h	Rhiz2		8	3			533	147	2	3.8	15.3	913		3		7	5	6	7	0
<i>Sambucus nigra</i>	Capr	N		n	-0.75	1000		p		Ph		w	0		7	3			2457	919	14	3.6	14.7	1061		3, 17		6	5	7	7	0
<i>Sambucus racemosa</i>	Capr	AN			0.79	400		p		Ph		w	0		5	6	c	NHem	360	3	0	2.3	13.6	1048		1, 3		6	5	6	7	0

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Samolus valerandi</i>	Prim	N		n	-0.42	45		p	hc		h	0			8	6			845	411	12	4.3	15.1	1013	11		8	8	8	5	2	
<i>Sanguisorba minor</i>	Rosa	N		n	-0.16	50		p	hc		h	0			8	4			1216	84	6	3.7	15.6	844	7		7	4	8	3	0	
<i>Sanguisorba officinalis</i>	Rosa	N		n	-0.23	120		p	hc		h	0			5	6			946	12	0	3.2	15.1	938	6		7	7	6	5	0	
<i>Sanicula europaea</i>	Apia	N		n	-0.98	40		p	hc		h	0	Rhiz1		7	3			2025	634	0	3.5	14.7	1090	1		4	5	7	5	0	
<i>Saponaria officinalis</i>	Cary	AR			0.29	90		p	hc		h	Rhiz2			7	3			1246	256	9	3.9	15.5	890	3, 17		8	5	6	6	0	
<i>Sarcocornia perennans</i>	Chen	N		s	-0.22	30		p	Ch		h	0			9	1			80	4	1	4.4	16.4	702	Co	21	9	8	8	6	6	
<i>Saussurea alpina</i>	Aste	N		n	-0.51	45		p	hc		h	Stol1			1	5			237	21	0	1.6	11.9	2010		7, 15, 16	8	6	6	3	0	
<i>Saxifraga aizoides</i>	Saxi	N		n	-0.61	20		p	Ch		h	Node2			1	3			422	17	0	1.7	12.3	1799		7, 11, 15, 16	8	9	6	2	0	
<i>Saxifraga cernua</i>	Saxi	N	VU	r		15		p	hc		h	DRa	DRi		1	6			5	0	0	0.5	11.7	2265		15, 16	6	6	7	1	0	
<i>Saxifraga cespitosa</i>	Saxi	N	VU	r	-0.10	10		p	Ch		h	0			1	6			13	0	0	-0.4	10.7	2003		15, 16	7	5	7	1	0	
<i>Saxifraga granulata</i>	Saxi	N		n	-0.26	36		p	hc		h	DRa			7	3			975	6	0	3.1	15.1	853		6, 7	8	5	6	4	0	
<i>Saxifraga hirculus</i>	Saxi	N	VU	r	-0.30	20		p	hc		h	Rhiz1			2	6			20	16	0	2.4	13.2	1253		11	8	9	6	2	0	
<i>Saxifraga hirsuta</i>	Saxi	N		o	1.39	30		p	hc		h	Stol1			7	1			0	36	0	5.0	14.6	1334		1, 15, 16	6	7	5	2	0	
<i>Saxifraga hypnoides</i>	Saxi	N		n	-0.54	20		p	Ch		h	Node2			4	1			406	61	0	2.0	12.8	1697		7, 15, 16	7	5	6	3	0	
<i>Saxifraga nivalis</i>	Saxi	N		s	-0.50	15		p	hc		h	0			1	6			72	1	0	0.6	11.5	2099		15, 16	6	6	7	3	0	
<i>Saxifraga oppositifolia</i>	Saxi	N		n	-0.45	3		p	Ch		h	Node2			1	6			276	22	0	1.8	12.1	1980		7, 15, 16	8	6	8	2	0	
<i>Saxifraga rivularis</i>	Saxi	N		r	0.19	10		p	hc		h	Rhiz1	DRa		1	6			21	0	0	-0.3	10.8	1941		11, 15	6	9	5	2	0	
<i>Saxifraga roseacea</i>	Saxi	N	EW	x		20		p	Ch		h	0			4	2			2	31	0	4.4	14.3	1312		16	7	4	8	4	0	
<i>Saxifraga spathularis</i>	Saxi	N		o		40		p	hc	Ch	h	Stol1			7	0			0	137	0	4.7	14.4	1328		16	6	8	3	2	0	
<i>Saxifraga stellaris</i>	Saxi	N		n	-0.58	20		p	hc	Ch	h	0			1	3			440	61	0	1.8	12.3	1811		11, 15, 16	8	8	5	3	0	
<i>Saxifraga tridactylites</i>	Saxi	N		n	-0.12	10		a	Th		h	0			8	3			985	316	11	3.9	15.3	921		16	7	2	7	2	0	
<i>Scabiosa columbaria</i>	Dips	N		n	-0.71	70		p	hc		h	0			7	3			804	0	0	3.5	15.6	831		7	8	3	8	2	0	
<i>Scandix pecten-veneris</i>	Apia	AR			-3.65	50		a	Th		h	0			8	4			780	94	6	3.8	15.7	792		4	7	4	7	4	0	
<i>Scheuchzeria palustris</i>	Sche	N	VU	r		22		p	hc		h	Rhiz2			4	6	c		14	1	0	2.2	13.9	1380		12	9	9	3	1	0	
<i>Schoenoplectus lacustris</i>	Cype	N		n	0.47	210	p	Hy		h	Rhiz1			6	4			1202	535	0	3.7	14.9	1013		13, 14	8	11	7	6	0		
<i>Schoenoplectus pungens</i>	Cype	NA		r		60	p	Hy		h	Rhiz1			7	3			0	0	1	6.1	16.7	869	Co	19	8	10	7	7	1		
<i>Schoenoplectus tabernaemontani</i>	Cype	N		n	0.67	150	p	Hy		h	Rhiz1			8	5			702	192	5	4.2	15.3	917		11, 13	9	10	8	7	3		
<i>Schoenoplectus triquetus</i>	Cype	N	CR	r		125	p	Hy		h	Rhiz1			7	5			8	3	0	4.7	16.5	799		14	8	10	7	7	3		
<i>Schoenus ferrugineus</i>	Cype	N	VU	r		40	p	hc		h	0			4	3			3	0	0	0.4	12.4	1113		11	8	9	7	2	0		
<i>Schoenus nigricans</i>	Cype	N		n	-0.53	75	p	hc		h	0			8	4			763	484	4	3.9	13.9	1261		11	8	8	7	2	0		
<i>Scilla autumnalis</i>	Lili	N		s	-0.37	20	p	Gb		h	0tb			9	1			49	0	14	5.9	16.2	939	Co	10, 18	9	3	6	1	0		
<i>Scilla verna</i>	Lili	N		n	0.12	10	p	Gb		h	0tb	DRg		7	1			310	29	0	4.6	13.9	1103		6, 10	8	5	5	3	3		
<i>Scirpoides holoschoenus</i>	Cype	N	VU	r	0.21	100	p	hc		h	0			8	4			3	0	0	5.2	16.3	909	Co	19	8	8	7	6	0		
<i>Scirpus sylvaticus</i>	Cype	N		n	0.02	120	p	hc		h	Rhiz1			7	4			871	102	0	3.4	15.2	921		1, 11	6	8	6	6	0		
<i>Scleranthus annuus</i>	Cary	N		n	-2.68	20	a	Th		h	0			7	3			983	69	9	3.6	15.2	883		4, 8, 10, 16	7	4	4	4	0		
<i>Scleranthus perennis</i>	Cary	N	EN	r	-0.11	20	p	Ch		h	0			7	3			11	0	0	3.3	16.0	656		8, 16	8	3	4	2	0		
<i>Scorzonera humilis</i>	Aste	NA	VU	r		50	p	hc		h	0			7	3			4	0	0	4.8	16.1	1097		6	8	7	5	2	0		
<i>Scrophularia auriculata</i>	Scro	N		n	-0.21	120	p	hc		h	0			8	2			1490	504	8	3.9	15.4	918		11, 14	7	8	7	7	0		
<i>Scrophularia nodosa</i>	Scro	N		n	-0.37	100	p	hc		h	0			7	4			2327	850	6	3.6	14.7	1069		1, 3	5	6	7	6	0		
<i>Scrophularia scorodonia</i>	Scro	AN			0.75	100	p	hc		h	0			8	1	Eur		68	0	10	5.8	16.0	1033		3, 16, 18	7	4	6	6	0		
<i>Scrophularia umbrosa</i>	Scro	N		n	0.72	100	p	hc		h	0			7	4	c		196	14	0	3.1	14.9	868		1, 14	7	9	7	1	0		
<i>Scrophularia vernalis</i>	Scro	AN			0.54	65	b	p	hc		h	0					Eur	192	0	0	3.3	15.3	769		1, 3	5	5	7	7	0		
<i>Scutellaria galericulata</i>	Lami	N		n	-0.39	50	p	hc		h	Rhiz1			5	4			1751	212	4	3.6	14.9	1055		11	7	8	6	5	0		
<i>Scutellaria minor</i>	Lami	N		n	0.03	20	p	hc		h	Rhiz1			8	2			803	136	4	4.1	14.9	1191		11	7	9	4	2	0		
<i>Secale cereale</i>	Poac	AC				150	a	Th		h	0						Eur	134	7	0	4.0	15.8	852		3, 4	8	5	7	7	0		

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Sedum acre</i>	Cras	N	n	-0.24	10	p	Ch	h	Node2	Irreg	7	3						2108	504	12	3.7	14.9	995	16	8	2	7	2	1			
<i>Sedum album</i>	Cras	AR		2.41	20	p	Ch	h	Node2	Irreg	9	2						1603	517	13	3.8	15.1	948	3, 16, 17	8	3	6	2	0			
<i>Sedum anglicum</i>	Cras	N	n	-0.21	5	p	Ch	h	Node2	Irreg	7	1						988	393	14	4.1	14.3	1321	16, 18	8	3	4	2	1			
<i>Sedum forsterianum</i>	Cras	N	s	1.54	20	p	Ch	h	Node2	Irreg	8	1						122	0	0	3.6	14.8	1239	3, 16	7	3	5	1	0			
<i>Sedum rosea</i>	Cras	N	n	-0.41	35	p	hc	h	0		1	6						524	82	0	2.7	12.6	1726	15, 16	7	6	6	3	0			
<i>Sedum rupestre</i>	Cras	AN		2.20	30	p	Ch	h	Node2	Irreg			Eur		1212	70	4	3.7	15.5	905	3, 16	7	2	5	4	0						
<i>Sedum telephium</i>	Cras	N	n	-0.34	60	p	hc	h	0		7	5						1197	0	0	3.5	15.0	1032	1, 3, 16	7	5	7	5	1			
<i>Sedum villosum</i>	Cras	N	s	-0.76	10	p	Ch	h	0		2	3						211	0	0	1.6	12.9	1273	11	8	9	6	2	0			
<i>Selaginella selaginoides</i>	Sela	N	n	-0.47	9	p	Ch	h	Node1		4	6						988	288	0	2.8	13.0	1443	7, 11	8	7	6	2	0			
<i>Selinum carvifolia</i>	Apia	N	VU	r	100	p	hc	h	0		7	3						3	0	0	3.4	16.1	595	11	7	7	8	4	0			
<i>Sempervivum tectorum</i>	Cras	AN			40	p	Ch	h	Stol1				Eur		500	42	2	3.5	15.3	871	3, 17	8	2	4	1	0						
<i>Senecio aquaticus</i>	Aste	N	n	-0.92	80	b	p	hc	h	0	7	3						2304	919	1	3.6	14.5	1109	11, 14	7	8	6	5	0			
<i>Senecio camrensis</i>	Aste	NE	r	30	p	hc	h	0		7	1							14	0	0	3.6	15.0	804	3, 17	8	5	7	7	0			
<i>Senecio cineraria</i>	Aste	AN		2.73	60	p	Ch	Pn	sw	0	0	3	Eur		256	8	5	4.4	15.9	837	3, 17, 18, 19	9	3	7	3	3						
<i>Senecio erucifolius</i>	Aste	N	n	-0.03	120	p	hc	h	Rhiz1		7	4						1276	30	0	3.8	15.8	783	3, 6	7	5	7	5	0			
<i>Senecio fluvialis</i>	Aste	AN		0.03	150	p	hc	h	Rhiz2		7	4	Eur, As1		184	25	0	3.3	14.6	1018	1, 11, 13, 14	7	8	6	7	0						
<i>Senecio jacobaea</i>	Aste	N	n	0.11	125	p	b	hc	h	0	7	4						2725	982	14	3.6	14.5	1102	3, 6, 7, 8	7	4	6	4	0			
<i>Senecio paludosus</i>	Aste	N	CR	r	175	p	hc	h	0	Root	7	4	c					7	0	0	3.4	16.2	573	11, 13	7	9	7	6	0			
<i>Senecio smithii</i>	Aste	AN			100	p	hc	h	0				SAM		62	0	0	3.4	12.3	1072	3, 6	8	7	6	7	0						
<i>Senecio squalidus</i>	Aste	AN		0.77	50	a	p	Th	Ch	h	0		Gard		1494	75	4	3.7	15.5	850	3, 17	8	4	7	7	0						
<i>Senecio sylvaticus</i>	Aste	N	n	0.09	70	a	Th	h	0		7	3						1853	238	12	3.6	14.9	987	2, 8, 9	7	5	5	6	0			
<i>Senecio viscosus</i>	Aste	AN		0.63	60	a	Th	h	0		7	3	Eur		1747	69	1	3.4	15.1	920	3, 17, 19	8	5	7	6	1						
<i>Senecio vulgaris</i>	Aste	N	n	-1.08	37	a	Th	h	0		8	3						2630	942	14	3.6	14.6	1075	3, 4, 17	7	5	7	7	0			
<i>Serapias parviflora</i>	Orch	NA	r	30	p	Gn	h	0		9	1						1	0	0	6.0	16.2	1048	6	8	4	7	3	0				
<i>Seriphidium maritimum</i>	Aste	N	n	-0.42	50	p	Ch	hc	h	Rhiz2	7	2						222	20	1	4.3	15.8	783	Co 21	9	7	8	6	5			
<i>Serratula tinctoria</i>	Aste	N	n	-0.21	70	p	hc	h	0		7	3						945	0	2	3.8	15.5	965	7	7	6	2	0				
<i>Seseli libanotis</i>	Apia	N	VU	r	60	b	hc	h	0		7	5	c					4	0	0	3.7	16.4	645	7	7	4	8	3	0			
<i>Sesleria caerulea</i>	Poac	N	s	-0.09	45	p	hc	h	0		5	3						76	89	0	3.1	13.9	1262	7, 16	7	6	8	2	0			
<i>Setaria viridis</i>	Poac	AN		0.80	70	a	Th	h	0				Unk		431	27	5	3.9	15.9	798	3, 4, 17	7	4	7	7	0						
<i>Sherardia arvensis</i>	Rubi	N	n	-0.94	40	a	Th	h	0		8	3						1635	369	12	3.9	15.2	916	7, 16	7	4	6	4	0			
<i>Sibbaldia procumbens</i>	Rosa	N	s	-0.75	5	p	hc	h	0		1	6						133	0	0	0.4	11.3	2109	15	8	5	4	3	0			
<i>Sibthorpia europaea</i>	Scro	N	s	-0.14	5	p	Ch	h	Node2		7	1						107	9	8	5.3	15.5	1189	3, 14	5	7	5	5	0			
<i>Silaum silaus</i>	Apia	N	n	-0.42	100	p	hc	h	0		7	4						963	0	0	3.6	15.8	743	6	8	5	7	4	0			
<i>Silene acaulis</i>	Cary	N	n	-0.47	10	p	Ch	h	0		1	3						236	9	0	1.9	11.8	1937	7, 15, 16	8	5	6	1	0			
<i>Silene conica</i>	Cary	N	s	-1.05	35	a	Th	h	0		8	4						59	0	10	4.0	16.0	702	8, 19	8	3	4	2	0			
<i>Silene dioica</i>	Cary	N	n	-0.44	90	p	hc	Ch	h	0	5	3						2514	263	14	3.4	14.6	1065	1	5	6	7	0				
<i>Silene gallica</i>	Cary	AR		-2.78	45	a	Th	h	0		9	2						455	31	11	4.2	15.7	877	3, 4	7	4	5	5	0			
<i>Silene latifolia</i>	Cary	AR		-0.88	100	p	hc	h	0		8	4						1954	211	13	3.6	15.1	911	3	7	4	7	6	0			
<i>Silene noctiflora</i>	Cary	AR		-2.04	50	a	Th	h	0		7	3						686	22	1	3.7	15.8	736	4	7	4	7	6	0			
<i>Silene nutans</i>	Cary	N	s	-0.39	80	p	hc	h	0		7	4						52	0	10	4.3	15.7	883	16	8	3	8	4	0			
<i>Silene otites</i>	Cary	N	r	-0.36	80	p	hc	h	0		7	3	c					18	0	0	3.2	16.1	625	3, 8	8	3	7	2	0			
<i>Silene uniflora</i>	Cary	N	n	-0.39	28	p	hc	h	0		5	2						943	236	13	4.0	14.1	1263	Co 18	8	6	6	4	3			
<i>Silene vulgaris</i>	Cary	N	n	-1.26	80	p	hc	h	0		8	5						1710	280	8	3.7	15.3	897	3, 6	7	4	8	5	0			
<i>Silybum marianum</i>	Aste	AR		-0.07	100	b	a	hc	Th	h	0	0	3	Eur		552	64	6	4.0	15.8	781	3	8	4	8	6	1					
<i>Simethis planifolia</i>	Lili	N	o		42	p	Gn	h	0		8	2						0	4	0	5.7	15.1	1324	10	7	5	4	3	0			
<i>Sinapis alba</i>	Bras	AR		-0.90	90	a	Th	h	0		8	3						1082	162	10	3.8	15.5	832	3, 4	7	4	7	6	0			

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Sinapis arvensis</i>	Bras	AR			-1.76	90		a		Th		h	0		7	4			2373	772	11	3.7	14.7	1012	3, 4, 17	8	5	7	7	0		
<i>Sison amomum</i>	Apia	N		n	-0.19	100		b		hc		h	0		9	2			790	0	0	3.9	16.2	756	3	7	4	7	5	0		
<i>Sisymbrium altissimum</i>	Bras	AN			-0.84	100		a		Th		h	0				Eur	614	29	3	3.7	15.6	771	3, 17	8	5	6	4	0			
<i>Sisymbrium officinale</i>	Bras	AR			-0.21	95		a	b	Th	hc	h	0		8	3			2117	775	13	3.8	15.0	973	3, 4, 17	7	4	7	7	0		
<i>Sisymbrium orientale</i>	Bras	AN			-0.24	80		a		Th		h	0				Eur	864	75	10	3.8	15.6	815	3, 17	7	4	7	5	0			
<i>Sisyrinchium bermudiana</i>	Irid	N		o	-1.80	23		p		hc		h	0		6	0			0	43	0	4.5	14.4	1290	6, 13	8	8	6	3	0		
<i>Sium latifolium</i>	Apia	N		s	-1.83	200		p		Hy		h	0		7	4			259	34	0	3.7	15.9	702	11, 14	7	10	7	7	0		
<i>Smyrnium olusatrum</i>	Apia	AR			0.66	150		b		hc		h	0				Eur	803	327	13	4.4	15.5	907	3	7	5	7	7	0			
<i>Solanum dulcamara</i>	Sola	N		n	-0.11	225		p		Pn	Ch	sw	Node2		8	5			1918	533	14	3.8	15.2	945	3, 11, 14	7	8	7	7	0		
<i>Solanum nigrum</i>	Sola	NA		n	0.44	60		a		Th		h	0		8	5			1258	0	14	3.9	15.9	809	4	7	5	7	8	0		
<i>Solanum sarachoides</i>	Sola	AN				60		a		Th		h	0				SAM	88	0	4	3.8	16.1	696	4, 17	7	4	7	7	0			
<i>Solanum tuberosum</i>	Sola	AN				100		p		Gn		h	Rhiz1				SAM	625	56	5	3.9	15.4	883	4	7	4	6	7	0			
<i>Soleirolia soleirolii</i>	Urte	AN			2.36	10		p		Ch		h	Node2		0	2	Eur	773	130	11	4.3	15.7	906	3, 17	4	8	7	6	0			
<i>Solidago canadensis</i>	Aste	AN				200		p		hc		h	Rhiz1				Am	981	24	51	3.6	15.6	833	3, 17	8	5	6	6	0			
<i>Solidago gigantea</i>	Aste	AN				200		p		hc		h	Rhiz1				Am	645	1	0	3.5	15.5	854	3, 17	8	5	5	6	0			
<i>Solidago virgaurea</i>	Aste	N		n	-0.89	70		p		hc		h	0		5	5			2043	492	5	3.4	14.2	1217	10, 16	5	5	4	3	0		
<i>Sonchus arvensis</i>	Aste	N		n	-0.12	150		p		hc		h	Rhiz2		7	4			2320	806	9	3.8	14.8	1013	4	8	6	7	6	1		
<i>Sonchus asper</i>	Aste	N		n	0.78	150		a		Th		h	0		8	3			2584	961	13	3.7	14.6	1070	3, 4	7	5	7	6	0		
<i>Sonchus oleraceus</i>	Aste	N		n	-0.42	150		a		Th		h	0		8	3			2358	924	14	3.7	14.8	1031	3, 4	7	5	7	7	0		
<i>Sonchus palustris</i>	Aste	N	s	0.18	250		p		hc		h	0		7	4			51	0	0	3.8	16.4	615	11	7	8	7	1	1			
<i>Sorbus anglica</i>	Rosa	NE	VU	r		200		p		Pn		w	0		7	1			14	1	0	3.8	15.2	1082	1, 16	6	4	8	4	0		
<i>Sorbus aria</i>	Rosa	N		n		1500		p		Ph		w	0		7	3			225	2	0	3.8	16.3	774	1	6	4	7	4	0		
<i>Sorbus aria agg.</i>	Rosa	N		n	0.82	1000		p		Ph		w	0		7	3			341	75	0	3.8	16.3	780	17	6	5	7	4	0		
<i>Sorbus arranensis</i>	Rosa	NE	VU	r		750		p		Ph		w	0		4	1			1	0	0	2.5	12.1	1530	16	7	4	4	3	0		
<i>Sorbus aucuparia</i>	Rosa	N		n	0.86	1500		p		Ph		w	0		5	5			2472	749	0	3.4	14.4	1128	1, 2, 16	6	6	3	4	0		
<i>Sorbus bristoliensis</i>	Rosa	NE	EN	r		1000		p		Ph		w	0		7	1			1	0	0	4.4	16.5	844	1, 16	6	4	8	4	0		
<i>Sorbus devoniensis</i>	Rosa	NE		s		1500		p		Ph		w	0		7	1			32	11	0	5.0	15.4	1171	1, 3	6	5	6	5	0		
<i>Sorbus domestica</i>	Rosa	N	CR	r		500		p		Ph		w	Root		8	3			4	0	0	4.5	16.5	857	16	6	4	8	3	0		
<i>Sorbus eminens</i>	Rosa	NE	VU	r		600		p		Ph		w	0		7	1			8	0	0	4.4	16.2	878	1	6	5	7	5	0		
<i>Sorbus hibernica</i>	Rosa	NE	o			600		p		Ph		w	0		7	1			0	63	0	4.5	14.6	1035	1, 3, 16	6	5	7	5	0		
<i>Sorbus intermedia</i>	Rosa	AN				1000		p		Ph		w	0				Eur	686	17	2	3.5	15.2	901	1, 3, 17	6	6	8	7	0			
<i>Sorbus lancastriensis</i>	Rosa	NE		r		500		p		Ph		w	0		7	1			9	0	0	3.3	14.8	1285	16	8	4	7	3	0		
<i>Sorbus leptophylla</i>	Rosa	NE	CR	r		300		p		Pn	Ph	w	0		7	1			3	0	0	2.9	14.5	1501	16	5	5	7	5	0		
<i>Sorbus leyana</i>	Rosa	NE	CR	r		200		p		Pn		w	0		7	1			2	0	0	2.5	14.0	1687	16	7	5	8	4	0		
<i>Sorbus minima</i>	Rosa	NE	VU	r		300		p		Pn	Ph	w	0		7	1			1	0	0	2.2	14.0	1523	16	6	4	8	3	0		
<i>Sorbus portentiformis</i>	Rosa	NE	s			500		p		Ph		w	0		7	1			30	0	0	3.8	15.2	1273	16	7	5	7	5	0		
<i>Sorbus pseudofennica</i>	Rosa	NE	VU	r		700		p		Ph		w	0		4	1			1	0	0	2.5	12.1	1530	16	7	4	4	3	0		
<i>Sorbus rupicola</i>	Rosa	N	s			200		p		Pn		w	0		4	2			98	13	0	2.9	13.6	1405	16	8	4	7	3	0		
<i>Sorbus subcuneata</i>	Rosa	NE	VU	r		1000		p		Ph		w	0		7	1			4	0	0	4.0	14.9	1380	1	6	5	4	4	0		
<i>Sorbus torminalis</i>	Rosa	N	n	0.22		1900		p		Ph		w	Root		7	3			573	0	0	3.9	16.0	804	1	4	5	6	5	0		
<i>Sorbus vexans</i>	Rosa	NE	VU	r		600		p		Ph		w	0		7	1			4	0	0	4.2	14.9	1409	1, 16	6	5	4	4	0		
<i>Sorbus wilmottiana</i>	Rosa	NE	CR	r		600		p		Ph		w	0		7	1			1	0	0	4.4	16.5	844	1, 16	6	4	8	3	0		
<i>Sparganium angustifolium</i>	Spar	N		n	1.66		100	p		Hy		h	Rhiz2		4	3			652	207	0	3.0	12.9	1571	13	8	11	4	2	0		
<i>Sparganium emersum</i>	Spar	N		n	0.61		60	p		Hy		h	Rhiz2		5	6			1426	393	1	3.6	15.0	982	13, 14	7	11	7	6	0		
<i>Sparganium erectum</i>	Spar	N	n		0.48	150		p		Hy		h	Rhiz2		7	6			2129	766	8	3.7	14.9	1000	11, 13	7	10	7	7	0		
<i>Sparganium natans</i>	Spar	N	n	-0.13		50	p		Hy		h	Rhiz2		5	6			508	267	0	3.3	13.8	1303	13	7	11	6	3	0			

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Spartina alterniflora</i>	Poac	AN		-0.22		110		p		hc		h	Rhiz2				Am	12	0	0	4.1	15.7	760	Co	21		9	9	8	7	7	
<i>Spartina anglica</i>	Poac	NE	n	0.11		130		p		hc		h	Rhiz2		7	1			251	71	1	4.6	15.7	904	Co	21		9	9	8	6	7
<i>Spartina maritima</i>	Poac	N	s	-0.55		50		p		hc		h	Rhiz2		8	2			57	0	0	4.1	16.6	625	Co	21		9	9	8	5	6
<i>Spergula arvensis</i>	Cary	N	o	-2.30		30		a		Th		h	0		6	4			0	0	9	6.3	16.7	811		4		7	4	5	5	0
<i>Spergularia bocconei</i>	Cary	AN		-0.22		10		a		Th		h	0		9	1	Eur		18	0	9	5.9	16.3	901		16, 17, 19		9	4	6	7	0
<i>Spergularia marina</i>	Cary	N	n	1.83		10		a		Th		h	0		8	6			680	185	8	4.3	14.6	1094	Co	3, 21		8	8	8	6	5
<i>Spergularia media</i>	Cary	N	n	-0.24		15		p		Ch		h	0		8	4			659	186	0	4.2	14.6	1125	Co	21		8	8	8	5	5
<i>Spergularia rubra</i>	Cary	N	n	0.05		15		a		Th		h	0		8	3			1363	66	13	3.5	14.9	983		8, 17		8	3	4	2	0
<i>Spergularia rupicola</i>	Cary	N	n	0.30		10		p		Ch		h	0		7	0			239	169	13	5.2	15.1	1105	Co	18		9	6	6	5	3
<i>Spiranthes aestivalis</i>	Orch	N	EX	x		40		p		hc		h	0		7	3			1	0	2	5.6	16.5	822		11		9	8	8	2	0
<i>Spiranthes romanzoffiana</i>	Orch	N	s	0.45		25		p		hc		h	0		4	0			21	44	0	4.4	14.1	1248		11		8	8	6	4	0
<i>Spiranthes spiralis</i>	Orch	N	n	-0.95		15		p		hc		h	0		8	3			655	117	13	4.4	15.9	884		7		8	4	6	3	0
<i>Spirodela polyrhiza</i>	Lemm	IN	n	-0.18		0.8		p		Hy		h	Frag		8	6			535	99	2	3.9	15.9	768		13		7	11	7	7	1
<i>Stachys alpina</i>	Lami	AN				100		p		hc		h	0		7	3	Eur		3	0	0	3.1	14.7	1007		1, 3		7	5	8	7	0
<i>Stachys arvensis</i>	Lami	AR				25		a		Th		h	0		8	2			1418	206	13	4.0	15.3	964		3, 4		8	5	5	5	0
<i>Stachys germanica</i>	Lami	N	EN	r	-0.27	80		p		hc		h	0		7	3			10	0	0	3.4	16.1	661		3		7	3	8	5	0
<i>Stachys officinalis</i>	Lami	N	n	-0.62		60		p		hc		h	0		7	3			1571	38	4	3.6	15.4	940		6, 7		7	5	5	3	0
<i>Stachys palustris</i>	Lami	N	n	0.01		100		p		Gn		h	Rhiz2		5	6			2346	919	9	3.7	14.6	1079		11, 14		7	8	7	7	0
<i>Stachys palustris x sylvatica</i> (<i>S. x ambigua</i>)	Lami	NH	n			100		p		hc		h	Rhiz2						1020	117	4	3.5	14.7	1086		3, 14		7	6	6	6	1
<i>Stachys sylvatica</i>	Lami	N	n	-0.49		100		p		hc		h	Rhiz2		7	4			2462	806	12	3.6	14.7	1064		3		6	6	7	8	0
<i>Stellaria graminea</i>	Cary	N	n	-0.02		80		p		hc		h	Rhiz1		5	4			2446	852	8	3.5	14.6	1065		6		7	6	5	4	0
<i>Stellaria holostea</i>	Cary	N	n	-0.56		60		p		Ch		h	Rhiz1	Node1	7	4			2372	671	7	3.5	14.7	1058		1		5	5	6	6	0
<i>Stellaria media</i>	Cary	N	n			50		a		Th		h	0	Node1	6	5			2749	962	14	3.6	14.5	1095		3, 4		7	5	6	7	0
<i>Stellaria media</i> egg.	Cary	N	n	0.03		50		a		Th		h	0	Node1	6	5			2749	962	14	3.6	14.5	1095		3, 4		7	5	5	6	0
<i>Stellaria neglecta</i>	Cary	N	n	0.42		80		a		Th		h	0	Node1	7	3			775	4	0	3.9	15.6	911		1, 3		6	7	6	7	0
<i>Stellaria nemorum</i>	Cary	N	n	0.21		60		p		hc		h	Rhiz1		5	3			432	0	0	2.7	14.2	1027		1, 14		4	6	6	7	0
<i>Stellaria pallida</i>	Cary	N	n	1.17		50		a		Th		h	0	Node1	8	4			593	27	13	4.0	15.8	766		3, 19		7	4	4	4	0
<i>Stellaria palustris</i>	Cary	N	n	-0.89		60		p		hc		h	Rhiz1	Node1	5	5			389	73	1	3.6	15.5	793		11		7	8	6	4	0
<i>Stellaria uliginosa</i>	Cary	N	n	-0.10		40		p		hc		h	Rhiz1		7	3			2570	798	9	3.5	14.4	1128		11, 14		7	8	5	5	0
<i>Stratiotes aloides</i>	Hydr	NA	r	1.65		50		p		Hy		h	Stol1	DRa	5	4	c		65	0	0	3.5	16.1	596		13		7	11	7	6	1
<i>Suaeda maritima</i>	Chen	N	n	-0.47		30		a		Th		h	0		8	5			525	141	6	4.3	14.9	1094	Co	21		9	8	8	6	7
<i>Suaeda vera</i>	Chen	N	s	-0.11		120		p		Pn		w	0		9	1			47	0	1	4.1	16.4	620	Co	19, 21		9	7	8	5	5
<i>Subularia aquatica</i>	Bras	N	n	0.73		6		a		Hz		h	0		4	6			324	33	0	2.4	12.6	1789		13		7	11	5	2	0
<i>Succisa pratensis</i>	Dips	N	n	-0.57		100		p		hc		h	0	Rhiz1	7	4			2633	934	2	3.5	14.4	1124		6		7	7	5	2	0
<i>Symporicarpos albus</i>	Capr	AN		1.74		200		p		Pn		w	Rhiz2				Am		2067	744	4	3.6	14.9	992		1, 3, 17		5	5	6	7	0
<i>Sympphytum asperum x officinale</i> (<i>S. x uplandicum</i>)	Bora	AN				135		p		hc		h	0				Eur		1924	399	8	3.6	15.0	952		3		6	5	7	7	0
<i>Sympphytum officinale</i>	Bora	N	n	0.34		135		p		hc		h	0		7	3			1263	189	10	3.7	15.4	871		11		7	7	7	8	0
<i>Sympphytum orientale</i>	Bora	AN		1.83		70		p		hc		h	0				Eur		442	2	3	3.7	16.0	719		3		6	4	7	6	0
<i>Sympphytum tuberosum</i>	Bora	N	n	0.11		55		p		hc		h	0		7	3			407	0	0	2.5	13.5	1047		1, 3		6	6	6	6	0
<i>Syringa vulgaris</i>	Olea	AN		4.48		700		p		Ph		w	Rhiz1				Eur		1296	163	4	3.6	15.3	881		3, 17		6	5	6	5	0
<i>Tamus communis</i>	Dios	N	n	-0.41		400		p		Gn		h	0		9	2			1421	0	4	3.8	15.7	850		1, 3		6	5	7	6	0
<i>Tanacetum parthenium</i>	Aste	AR		0.23		54		p		Ch	hc	h	0				Eur		2126	413	11	3.5	14.9	980		3, 17		7	4	7	6	0
<i>Tanacetum vulgare</i>	Aste	N	n	-0.23		120		p		hc		h	Rhiz1		5	5			2004	0	10	3.5	15.0	958		3		7	6	7	7	0
<i>Taraxacum</i>	Aste	N	n	0.43		30		p		hc		h	0		6	6			2778	974	14	3.5	14.5	1104		3, 5, 17		7	5	7	6	1

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Taxus baccata</i>	Taxa	N		n	0.86	2000		p		Ph		w	0		7	3			1881	260	7	3.5	15.1	976	1			4	4	7	5	0
<i>Teesdalia nudicaulis</i>	Bras	N		n	-0.81	15		a		Th		h	0		7	3			509	11	12	3.4	15.0	949	8			8	3	2	2	0
<i>Tellima grandiflora</i>	Saxi	AN				70		p		hc		h	0					Am4	308	20	2	3.6	15.2	974	1, 3, 17			3	8	6	4	0
<i>Tephroseris integrifolia</i>	Aste	N		s	-0.79	60		b		hc		h	0		3	6	c		99	0	0	3.7	16.1	774	7			7	3	8	3	0
<i>Tephroseris palustris</i>	Aste	N	EX	x		100		p	b	hc		h	0		3	6			26	0	0	3.6	16.1	617	13			7	9	7	6	0
<i>Teucrium botrys</i>	Lami	AN			-0.42	30		a		Th		h	0		7	3	c	Eur	12	0	0	3.6	16.3	767	3, 4, 7, 16			9	2	8	2	0
<i>Teucrium chamaedrys</i>	Lami	AN			-0.41	25		p		Ch		sw	Rhiz1		8	3	c	Eur	72	2	0	4.2	15.7	856	3, 7, 16			8	2	8	1	0
<i>Teucrium scordium</i>	Lami	N	VU	r	-0.64	55		p		hc		h	Rhiz2		8	4			24	12	1	4.0	15.8	740	11, 13, 14			7	8	8	4	1
<i>Teucrium scorodonia</i>	Lami	N		n	-0.69	50		p		hc		h	Rhiz2		8	2			2322	588	14	3.5	14.5	1150	1, 9, 16			6	4	4	3	0
<i>Thalictrum alpinum</i>	Ranu	N		n	-0.34	15		p		hc		h	Rhiz2		1	6			409	23	0	2.0	12.1	1845	7, 11, 15, 16			8	7	6	3	0
<i>Thalictrum flavum</i>	Ranu	N		n	-0.53	100		p		hc		h	0		5	4			669	91	0	3.7	15.8	762	11			7	8	7	5	0
<i>Thalictrum minus</i>	Ranu	N		n	0.56	70		p		hc		h	Rhiz2		5	5			504	89	0	3.4	14.0	1185	16, 19			7	4	6	3	0
<i>Thelypteris palustris</i>	Thel	N		s	-0.35	100		p		Gn		h	Rhiz2		7	6			171	54	0	3.9	15.5	869	1, 11			6	8	7	5	0
<i>Thesium humifusum</i>	Sant	N		s	-0.21	20		p		Ch		h	0		7	1			145	0	6	3.8	16.2	762	7			8	3	8	3	0
<i>Thlaspi arvense</i>	Bras	JAR			0.16	50		a		Th		h	0		7	5			1600	143	10	3.7	15.3	858	3, 4			7	4	7	6	0
<i>Thlaspi caerulescens</i>	Bras	N		s	0.01	40		p		Ch		h	0		4	3			70	0	0	2.0	13.5	1314	16			8	4	6	1	0
<i>Thlaspi perfoliatum</i>	Bras	N	VU	r	-0.94	17		a		Th		h	0		8	4			9	0	0	3.3	16.0	732	3, 16			8	4	8	2	0
<i>Thuja plicata</i>	Cupr	AN				4200		p		Ph		w	0				Am4	574	7	1	3.6	15.4	977	2, 17			4	5	5	4	0	
<i>Thymus polytrichus</i>	Lami	N		n	-0.64	7		p		Ch		sw	Node2		5	3			2246	486	14	3.4	14.2	1175	7, 16			8	4	6	2	0
<i>Thymus pulegioides</i>	Lami	N		n	-0.38	25		p		Ch		sw	Node2		7	3			455	3	0	3.7	16.1	752	7			8	4	8	2	0
<i>Thymus serpyllum</i>	Lami	N		r	-0.11	4		p		Ch		sw	Node2		5	3	c		9	0	0	3.3	16.2	606	8			8	2	5	2	0
<i>Tilia cordata</i>	Tili	N		n	1.64	2500		p		Ph		w	0		7	4			896	20	3	3.5	15.5	873	1			5	5	6	5	0
<i>Tilia cordata x platyphyllos (T. x europaea)</i>	Tili	NH		r	0.33	2500		p		Ph		w	0						5	0	0	2.4	14.4	1064	1			5	5	6	6	0
<i>Tilia platyphyllos</i>	Tili	N		s	2.57	3000		p		Ph		w	0		7	3			84	0	0	3.3	15.6	816	1			4	5	7	6	0
<i>Tofieldia pusilla</i>	Lili	N		n	-0.32	20		p		hc		h	Rhiz1		1	6			156	0	0	0.6	11.6	1964	7, 11			8	9	7	2	0
<i>Tolmiea menziesii</i>	Saxi	AN				70		p		hc		h	0				Am4	267	11	0	3.2	14.3	1131	1			3	6	7	7	0	
<i>Tordylium maximum</i>	Apia	AN				100		a		Th		h	0				Eur	11	1	0	4.0	16.3	739	6			7	3	6	5	0	
<i>Torilis arvensis</i>	Apia	AR			-2.56	50		a		Th		h	0		8	4			389	0	0	3.7	16.2	707	4			8	4	8	4	0
<i>Torilis japonica</i>	Apia	N		n	-0.48	110		a		Th		h	0		7	5			2178	824	9	3.7	14.9	1004	3			7	5	7	7	0
<i>Torilis nodosa</i>	Apia	N		n	-0.36	50		a		Th		h	0		9	1			708	77	9	4.1	15.9	792	3, 6			8	5	7	6	1
<i>Tragopogon pratensis</i>	Aste	N		n	-0.30	75		b		hc		h	0		7	4			1749	124	1	3.6	15.3	871	6			8	4	7	5	0
<i>Trichomanes speciosum</i>	Hyme	N	VU	n	2.23	35		p		Ch		h	Rhiz1	DRp	7	0			162	62	0	3.8	14.2	1390	16			2	7	7	3	0
<i>Trichophorum alpinum</i>	Cype	N	EX	x		30		p		hc		h	Rhiz1		4	6	c		1	0	0	2.8	14.0	858	12			8	9	2	2	0
<i>Trichophorum cespitosum</i>	Cype	N		n	-0.31	35		p		hc		h	Ogr		4	6			1553	629	0	3.2	13.7	1312	10, 12			8	8	2	1	0
<i>Trientalis europaea</i>	Prim	N		n	-0.27	20		p		Gn		h	Rhiz2	DRg	4	6			514	0	0	1.8	12.6	1277	1, 2, 10			5	6	3	3	0
<i>Trifolium arvense</i>	Faba	N		n	-0.01	20		a		Th		h	0		8	4			1205	56	14	3.8	15.5	841	8			9	3	5	2	1
<i>Trifolium bocconei</i>	Faba	N	VU	r		20		a		Th		h	0		9	1			3	0	2	6.5	16.2	867	16			9	4	5	2	0
<i>Trifolium campestre</i>	Faba	N		n	-0.45	20		a		Th		h	0		8	4			1996	381	14	3.7	15.1	939	3, 16, 19			8	4	6	4	0
<i>Trifolium dubium</i>	Faba	N		n	-0.11	15		a		Th		h	0		7	3			2548	942	14	3.6	14.6	1072	6			7	4	6	5	0
<i>Trifolium fragiferum</i>	Faba	N		n	-0.81	10		p		hc		h	Node2		8	4			753	42	6	4.0	16.0	764	6			8	7	7	6	2
<i>Trifolium glomeratum</i>	Faba	N		s	-0.11	10		a		Th		h	0		9	1			148	5	13	4.6	16.3	767	8			9	3	5	2	0
<i>Trifolium hybridum</i>	Faba	AN			-0.48	60		p		hc		h	0				Eur	1940	214	11	3.5	15.0	943	3, 5			7	5	7	6	0	
<i>Trifolium incarnatum</i>	Faba	N	VU	r	-1.76	50		a		Th		h	0		9	1			3	0	4	6.4	16.4	883	3, 18			8	2	5	2	1
<i>Trifolium incarnatum</i> subsp. <i>incarnatum</i>	Faba	AN				50		a		Th		h	0				Crop	196	1	5	4.0	16.1	780	3			7	4	6	5	0	

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	TJul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Trifolium incarnatum</i> subsp. <i>molinerii</i>	Faba	N	VU	r		20		a		Th		h	0		9	1			3	0	4	6.4	16.4	883	Co	18		8	2	5	2	1
<i>Trifolium medium</i>	Faba	N		n	-0.53	45		p		hc		h	0		5	4			2050	208	2	3.4	14.8	1008		6		7	4	6	4	0
<i>Trifolium micranthum</i>	Faba	N		n	0.62	7		a		Th		h	0		9	2			909	52	13	4.1	15.9	848		8, 17		8	5	5	5	0
<i>Trifolium occidentale</i>	Faba	N		s		10		p		hc	Ch	h	Node2		7	0			21	9	12	6.3	15.9	940	Co	18		9	4	6	2	3
<i>Trifolium ochroleucon</i>	Faba	N		s	-0.84	45		p		hc		h	0		7	3			127	0	0	3.4	16.3	595		3, 6		7	5	8	2	0
<i>Trifolium ornithopodioides</i>	Faba	N		n	0.42	12		a		Th		h	0		8	2			281	18	14	4.8	16.1	874		8		9	6	5	3	0
<i>Trifolium pratense</i>	Faba	N		n	-0.18	45		p		hc		h	0		7	4			2745	976	14	3.6	14.5	1100		6, 7		7	5	7	5	0
<i>Trifolium repens</i>	Faba	N		n	1.31	20		p		hc	Ch	h	Node2		5	4			2798	981	14	3.5	14.5	1105		6		7	5	6	6	0
<i>Trifolium scabrum</i>	Faba	N		n	-0.39	20		a		Th		h	0		9	2			390	12	11	4.5	15.9	831		8		9	3	7	2	1
<i>Trifolium squamosum</i>	Faba	N		s	-0.32	40		a		Th		h	0		9	1			116	0	6	4.5	16.5	757	Co	6, 19		9	6	7	6	3
<i>Trifolium striatum</i>	Faba	N		n	-0.11	20		a		Th		h	0		8	3			848	31	12	4.0	15.7	805		8		8	3	5	2	0
<i>Trifolium strictum</i>	Faba	N	VU	r		15		a		Th		h	0		9	2			4	0	2	5.8	15.9	874		16		9	2	5	2	0
<i>Trifolium subterraneum</i>	Faba	N		n	-0.10	10		a		Th		h	0		9	2			337	1	13	4.5	16.2	805		8, 16		8	3	4	2	0
<i>Trifolium suffocatum</i>	Faba	N		s	0.14	5		a		Th		h	0		9	1			96	0	13	4.8	16.4	774		8		8	4	4	2	0
<i>Triglochin maritimum</i>	Junc	N		n	-0.44	55		p		hc		h	Rhiz1		5	6			837	251	5	4.2	14.3	1181	Co	21		8	7	7	5	4
<i>Triglochin palustre</i>	Junc	N		n	-0.22	55		p		hc		h	Rhiz2		5	6			2196	714	5	3.4	14.2	1145		11		8	9	6	2	2
<i>Trinia glauca</i>	Api	N		r	0.12	20		b		hc		h	0		8	3			6	0	0	4.9	16.4	889		7		9	2	8	1	0
<i>Tripleurospermum inodorum</i>	Aste	AR				60		a		Th		h	0		7	4			2119	424	12	3.6	14.9	967		4, 17		8	5	6	6	0
<i>Tripleurospermum maritimum</i>	Aste	N		n		60		p		Ch	hc	h	0		3	6			757	273	3	4.4	14.5	1132	Co	18, 19		8	5	6	6	1
<i>Tripleurospermum maritimum</i> sens.lat.	Aste	N		n	0.31	60		a	p	Th	hc	h	0		3	6			757	273	3	4.4	14.5	1132		14, 17, 18, 19		8	5	6	6	1
<i>Trisetum flavescens</i>	Poac	N		n	-0.13	80		p		hc		h	0		7	3			1734	367	6	3.6	15.2	900		6, 7		7	4	7	4	0
<i>Triticum aestivum</i>	Poac	AC				150		a		Th		h	0					Crop	741	59	4	3.8	15.6	861		3, 4		8	5	7	7	0
<i>Trollius europaeus</i>	Ranu	N		n	-0.73	60		p		hc		h	0		4	3			856	8	0	2.2	13.0	1517		11, 16		7	7	6	4	0
<i>Tsuga heterophylla</i>	Pina	AN				4600		p		Ph		w	0					Am4	598	12	0	3.4	14.9	1102		1, 2, 17		6	6	3	3	0
<i>Tuberaria guttata</i>	Cist	N	VU	r		15		a		Th		h	0		9	1			5	10	4	5.7	15.5	1069		10		9	2	5	1	0
<i>Tussilago farfara</i>	Aste	N		n	-0.65	30		p		Gn		h	Rhiz2		5	4			2618	906	7	3.5	14.5	1085		16		7	6	6	6	0
<i>Typha angustifolia</i>	Typh	N		n	0.35	300		p		Hy		h	Rhiz2		7	4			776	60	6	3.7	15.8	775		11		8	10	7	7	1
<i>Typha latifolia</i>	Typh	N		n	1.01	275		p		Hy		h	Rhiz2		8	6			1860	682	9	3.8	15.1	958		11		8	10	7	7	0
<i>Ulex europaeus</i>	Faba	N		n	-0.34	200		p		Pn		w	0		7	1			2518	956	14	3.6	14.6	1090		10		7	5	5	3	0
<i>Ulex gallii</i>	Faba	N		n	0.20	150		p		Pn		w	0		7	1			918	382	11	4.1	15.0	1099		10		7	6	3	2	0
<i>Ulex minor</i>	Faba	N		n	0.20	100		p		Pn		w	0		8	1			197	0	4	3.9	16.4	745		10		8	6	1	2	0
<i>Ulmus glabra</i>	Ulma	N		n	-0.28	3000		p		Ph		w	0		7	3			2338	608	0	3.4	14.7	1056		1		4	5	7	6	0
<i>Ulmus minor</i>	Ulma	N		n	0.75	3100		p		Ph		w	Root		7	3			641	0	9	3.9	16.1	764		1, 3		5	5	7	7	0
<i>Ulmus plotii</i>	Ulma	NE		s		2000		p		Ph		w	Root		7	1			128	0	0	3.4	16.0	667		3		5	5	7	7	0
<i>Ulmus procera</i>	Ulma	NA		n	-0.48	3300		p		Ph		w	Root		7	3			1317	0	0	3.7	15.8	819		3		5	5	8	6	0
<i>Umbilicus rupestris</i>	Cras	N		n	-0.12	38		p		hc		h	0		9	1			784	658	14	4.3	14.9	1125		3, 16		6	4	5	4	0
<i>Urtica dioica</i>	Urti	N		n	0.28	150		p		hc		h	Rhiz2	Stol2	5	4			2773	983	13	3.6	14.5	1102		3, 14, 17		6	6	7	8	0
<i>Urtica urens</i>	Urti	AR		-0.70	60		a		Th		h	0		8	4			1924	283	14	3.7	15.0	914		4, 17		8	5	6	8	0	
<i>Utricularia australis</i>	Lent	N	s					60	p	Hy		h	DRa		5	5			162	58	0	4.0	15.0	1120		13		7	12	5	3	0
<i>Utricularia intermedia</i> sens.lat.	Lent	N		n	0.40			20	p	Hy		h	DRa		4	6			412	156	0	3.1	13.2	1545		11, 12, 13		8	12	4	2	0
<i>Utricularia intermedia</i> sens.str.	Lent	N		n	0.20			20	p	Hy		h	DRa		?	?										13		8	12	4	2	0
<i>Utricularia minor</i>	Lent	N		n	0.20			40	p	Hy		h	DRa		5	6			628	377	1	3.6	13.9	1321		11, 12		8	12	4	2	0

Taxon name	Fam	NS	CS	RS	Chg	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	Cl	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S
<i>Utricularia ochroleuca</i>	Lent	N		i			20	p	Hy		h	DRa			?	?									11, 13	8	12	3	1	0		
<i>Utricularia stygia</i>	Lent	N		i			20	p	Hy		h	DRa			?	?									11, 13	8	12	5	2	0		
<i>Utricularia vulgaris sens.lat.</i>	Lent	N		n	0.47		100	p	Hy		h	DRa			5	5			744	301	0	3.6	14.4	1148	13	7	12	6	4	0		
<i>Utricularia vulgaris sens.str.</i>	Lent	N		s			100	p	Hy		h	DRa			7	4			159	77	0	3.8	15.3	874	11	7	12	7	4	0		
<i>Vaccinium microcarpum</i>	Eric	N		s	0.81	30	p	Ch	h	Node2					4	6			100	0	0	0.9	11.9	1339	12	7	8	1	1	0		
<i>Vaccinium myrtillus</i>	Eric	N		n	-0.61	50	p	Ch	Pn	w	Rhiz2				4	4			1886	701	1	3.3	13.9	1243	10, 16	6	6	2	2	0		
<i>Vaccinium oxycoccus</i>	Eric	N		n	0.28	30	p	Ch	h	Node2					4	6			725	246	0	3.0	14.0	1229	12	8	9	2	1	0		
<i>Vaccinium uliginosum</i>	Eric	N		n	-0.39	50	p	Ch	Pn	w	Rhiz2				2	6			252	0	0	1.1	11.7	1897	12, 15, 16	7	6	2	2	0		
<i>Vaccinium vitis-idaea</i>	Eric	N		n	-0.18	30	p	Ch	w	Rhiz2					2	6			938	89	0	2.2	12.9	1474	2, 10, 15	6	5	2	2	0		
<i>Valeriana dioica</i>	Vale	N		n	-0.67	35	p	hc	h	Stol2					7	3			1171	0	0	3.2	15.3	896	11	8	8	6	3	0		
<i>Valeriana officinalis</i>	Vale	N		n	-0.64	175	p	hc	h	0	Rhiz1				5	5			2408	808	0	3.4	14.5	1115	11	6	8	6	5	0		
<i>Valeriana pyrenaica</i>	Vale	AN			-0.35	110	p	hc	h	0							Eur		195	8	0	2.7	13.8	1151	1, 3	5	7	5	5	0		
<i>Valerianella carinata</i>	Vale	AR			2.15	15	a	Th	h	0					8	3			547	66	13	4.3	15.8	931	3, 17	8	4	8	4	0		
<i>Valerianella dentata</i>	Vale	AR			-1.86	15	a	Th	h	0					7	3			600	45	4	3.9	15.7	800	4	8	4	7	4	0		
<i>Valerianella eriocarpa</i>	Vale	AN			-0.69	15	a	Th	h	0					9	2	Eur		59	0	6	4.5	16.0	826	3, 16	8	3	8	3	0		
<i>Valerianella locusta</i>	Vale	N		n	-0.11	15	a	Th	h	0					7	3			1358	238	9	3.9	15.3	925	3, 16, 19	8	4	6	4	0		
<i>Valerianella rimosa</i>	Vale	AR	CR		-2.55	15	a	Th	h	0					7	3			181	27	0	4.3	15.9	860	4	8	4	8	3	0		
<i>Verbascum lychnitis</i>	Scro	N		s	-0.23	150	b	hc	h	0					7	3			42	0	0	4.1	16.5	790	3, 7	7	3	7	3	0		
<i>Verbascum nigrum</i>	Scro	N		n	-0.12	120	b	hc	h	0					7	4			479	0	8	3.9	16.2	742	3	7	4	7	6	0		
<i>Verbascum pulverulentum</i>	Scro	NA		s	0.94	135	b	hc	h	0					9	2			51	0	0	3.4	16.1	624	3, 16	8	3	7	5	0		
<i>Verbascum thapsus</i>	Scro	N		n	0.27	200	b	hc	h	0					7	4			1874	375	12	3.7	15.2	918	3	7	4	7	5	0		
<i>Verbascum virgatum</i>	Scro	AN			0.35	100	b	hc	h	0					8	2	Eur		339	13	3	4.2	15.8	870	3, 5, 17, 19	8	4	5	5	0		
<i>Verbena officinalis</i>	Verb	AR			-0.43	67	p	hc	h	0					8	5			857	90	10	4.1	15.8	859	3, 16	8	5	7	6	0		
<i>Veronica agrestis</i>	Scro	AR			-1.38	10	a	Th	h	0					7	3			1715	177	9	3.5	15.0	963	3, 4, 17	7	6	6	7	0		
<i>Veronica alpina</i>	Scro	N		s	-0.29	12	p	Ch	h	0					1	4			35	0	0	-0.7	10.9	1783	15	8	6	5	2	0		
<i>Veronica anagallis-aquatica</i>	Scro	N		n	0.05	50	a	p	Hz	Hy	h	Node1			8	5			1225	459	3	3.7	15.1	899	13, 14	7	10	7	7	0		
<i>Veronica arvensis</i>	Scro	N		n	0.48	25	a	Th	h	0					8	3			2614	793	14	3.5	14.6	1077	3, 4, 16	8	4	6	5	0		
<i>Veronica beccabunga</i>	Scro	N		n	-0.31	45	p	Hy	Ch	h	Node1				7	4			2333	912	9	3.6	14.7	1034	11, 14	7	10	6	6	0		
<i>Veronica catenata</i>	Scro	N		n	0.37	50	a	p	Hz	Hy	h	Node1			7	6			956	249	4	3.8	15.6	816	13, 14	8	10	7	8	0		
<i>Veronica chamaedrys</i>	Scro	N		n	-0.50	30	p	Ch	hc	h	Node2				5	4			2609	945	14	3.5	14.5	1095	1, 3, 6	6	5	6	5	0		
<i>Veronica filiformis</i>	Scro	AN			2.69	5	p	hc	Ch	h	Node2							Eur		2013	397	9	3.6	14.9	990	3, 17	7	6	7	7	0	
<i>Veronica fruticans</i>	Scro	N		s	0.11	14	p	Ch		sw	0				1	3			26	0	0	-0.5	11.2	1821	15, 16	8	5	7	2	0		
<i>Veronica hederifolia</i>	Scro	AR			0.57	30	a	Th	h	0					8	3			1944	346	14	3.7	15.1	918	1, 3, 4, 17	6	5	7	6	0		
<i>Veronica montana</i>	Scro	IN		n	0.48	15	p	Ch	h	Node2					7	3			1808	506	0	3.6	14.9	1029	1	4	6	6	6	0		
<i>Veronica officinalis</i>	Scro	N		n	-0.84	23	p	Ch	h	Node1					5	3			2507	754	8	3.4	14.4	1125	7, 8	6	5	4	4	0		
<i>Veronica persica</i>	Scro	AN			-0.37	30	a	Th	h	0	Node1							Eur		2232	722	13	3.7	14.9	993	3, 4, 17	6	5	7	7	0	
<i>Veronica polita</i>	Scro	AN			0.07	10	a	Th	h	0					8	4	Eur, As1		1237	107	8	3.8	15.5	867	4, 17	7	4	7	5	0		
<i>Veronica praecox</i>	Scro	AN				15	a	Th	h	0					8	3	c	Eur		6	0	0	3.3	16.3	618	3, 4, 8	8	2	8	1	0	
<i>Veronica scutellata</i>	Scro	IN		n	-0.06	25	p	hc	h	Node1					5	4			1877	576	3	3.4	14.3	1129	11, 13	8	9	5	3	0		
<i>Veronica serpyllifolia</i>	Scro	N		n	0.80	10	p	hc	h	Node2					5	6			2652	884	11	3.5	14.5	1104	3, 5, 11	7	5	6	5	0		
<i>Veronica spicata</i>	Scro	N		s	0.13	45	p	hc	Ch	h	Node1					7	4	c		28	0	0	3.7	15.3	949	7, 16	8	3	7	2	0	
<i>Veronica triphyllos</i>	Scro	AR	EN		-0.82	15	a	Th	h	0					7	3	c		33	0	0	3.5	16.1	690	3, 4	7	4	7	3	0		
<i>Veronica verna</i>	Scro	N	VU	r	-0.64	15	a	Th	h	0					7	4	c		71	0	0	3.3	16.2	618	8	8	2	5	1	0		
<i>Viburnum lantana</i>	Capr	N		n	0.37	600	p	Ph	w	0					7	3			537	0	0	3.8	16.2	763	1, 3	7	5	7	5	0		
<i>Viburnum opulus</i>	Capr	N		n	-0.15	400	p	Ph	w	0					7	6			1854	565	1	3.6	15.0	1019	1	6	7	6	6	0		
<i>Vicia bithynica</i>	Faba	N		s	-0.52	60	p	hc	h	0					9	1			74	0	4	4.4	16.1	827	3	7	4	6	4	0		

Taxon name	Fam	NS	CS	RS	Chg.	Hght	Len	P1	P2	LF1	LF2	W	Clone1	Clone2	E1	E2	C	Origin	GB	IR	CI	Tjan	Tjul	Prec	Co	Br	Habitats	L	F	R	N	S	
<i>Vicia cracca</i>	Faba	N		n	-0.37	120		p		hc		h	Rhiz1		5	5			2647	938	10	3.6	14.5	1083		3, 11		7	6	7	5	0	
<i>Vicia faba</i>	Faba	AN				100		a		Th		h	0					Crop	377	5	2	3.7	16.1	734		4, 17		8	4	7	7	0	
<i>Vicia hirsuta</i>	Faba	N		n	0.05	80		a		Th		h	0			7	3			1925	285	12	3.7	15.2	926		3, 6		7	5	6	6	0
<i>Vicia lathyroides</i>	Faba	N		n	-0.36	10		a		Th		h	0			7	3			501	27	11	3.8	15.2	808		8, 19		8	3	5	3	0
<i>Vicia lutea</i>	Faba	N		s	-0.85	50		a		Th		h	0			9	2			58	0	7	4.8	15.9	844	Co	18, 19		7	4	7	5	1
<i>Vicia orobus</i>	Faba	N		s	-0.34	60		p		hc		h	0			7	2			214	15	0	3.0	13.8	1410		16		7	5	5	4	0
<i>Vicia parviflora</i>	Faba	N		s	-1.05	60		a		Th		h	0			9	2			136	0	0	3.9	16.3	695		3, 4		7	5	7	5	0
<i>Vicia sativa</i>	Faba	N		n	0.19	90		a		Th		h	0			8	3			1930	472	14	3.7	14.9	991		6		7	4	7	4	0
<i>Vicia sepium</i>	Faba	N		n	-0.43	60		p		hc		h	Rhiz1			5	4			2615	945	4	3.5	14.5	1095		3, 6		6	5	6	6	0
<i>Vicia sylvatica</i>	Faba	N		n	-0.71	150		p		hc		h	Rhiz1			5	4			623	57	0	3.1	14.3	1119		1, 3, 16		7	5	7	5	0
<i>Vicia tetrasperma</i>	Faba	N		n	0.45	60		a		Th		h	0			7	3			1159	0	10	3.9	15.9	804		3, 4, 6		7	5	7	6	0
<i>Vicia villosa</i>	Faba	AN				150		a		Th		h	0			8	3	c	Eur	147	2	3	3.8	16.1	757		3, 4		7	4	6	5	0
<i>Vinca major</i>	Apoc	AN			1.49	35		p		Ch		h	Tip					Eur	1336	231	12	4.0	15.6	873		1, 3, 17		5	6	7	6	0	
<i>Vinca minor</i>	Apoc	AR			0.48	15		p		Ch		h	Node2					Eur	1359	122	8	3.7	15.3	893		1, 3, 17		4	6	7	7	0	
<i>Viola arvensis</i>	Viol	AR			-0.29	40		a		Th		h	0			7	4			2065	333	11	3.6	15.0	940		4		8	4	6	6	0
<i>Viola canina</i>	Viol	N		n	-0.87	18		p		hc		h	0			5	4			1030	183	2	3.5	14.7	1008		8, 10		8	4	5	2	0
<i>Viola hirta</i>	Viol	N		n	-0.46	15		p		hc		h	0	Rhiz1		7	4			964	19	0	3.7	15.7	795		7		7	4	8	2	0
<i>Viola kitaibeliana</i>	Viol	N	VU	r		10		a		Th		h	0			8	3			2	0	8	6.7	16.6	814		19		9	3	5	2	1
<i>Viola lactea</i>	Viol	N		s	-1.08	15		p		hc		h	0			7	1			183	20	0	5.0	15.8	1025		10		7	6	2	2	0
<i>Viola lutea</i>	Viol	N		n	-0.69	20		p		hc		h	Rhiz2			4	3			536	18	0	2.0	13.3	1281		7, 8, 16		8	5	5	2	0
<i>Viola odorata</i>	Viol	N		n	-0.19	15		p		hc		h	Stol2			7	3			1340	97	0	3.8	15.7	833		7		5	5	7	7	0
<i>Viola palustris</i>	Viol	N		n	-0.30	15		p		hc		h	Rhiz2			5	3			1880	560	0	3.3	13.9	1262		11, 14		7	9	3	2	0
<i>Viola persicifolia</i>	Viol	N	EN	r	-0.62	25		p		hc		h	0			7	4	c		18	17	0	3.9	15.4	826		11		7	8	7	3	0
<i>Viola reichenbachiana</i>	Viol	N		n	0.20	13		p		hc		h	0			7	3			1128	285	0	3.8	15.5	869		1		4	6	7	5	0
<i>Viola riviniana</i>	Viol	N		n	1.07	18		p		hc		h	0	Root		7	3			2741	968	14	3.5	14.4	1112		1, 7, 16		6	5	5	4	0
<i>Viola rupestris</i>	Viol	N		r		5		p		hc		h	0			7	5	c		7	0	0	1.6	13.3	1393		7		8	3	8	2	0
<i>Viola tricolor</i>	Viol	N		n	-1.52	20		a	p	Th	hc	h	0			7	3			1691	243	3	3.4	14.6	992		4, 8, 19		8	4	6	4	0
<i>Viscum album</i>	Visc	N		n	0.97	100		p		Ch	Pn	w	0			7	3			923	6	4	3.8	15.9	788		13, 17		7	5	6	5	0
<i>Vulpia bromoides</i>	Poac	N		n	0.18	37		a		Th		h	0			9	2			1777	513	12	3.8	15.0	1006		3		8	4	5	3	0
<i>Vulpia ciliata</i>	Poac	N		s	0.78	37		a		Th		h	0			9	1			109	0	5	4.0	16.3	716		8		9	2	7	2	1
<i>Vulpia fasciculata</i>	Poac	N		s	0.37	55		a		Th		h	0			9	1			109	18	9	5.0	15.8	911	Co	19		9	3	7	2	1
<i>Vulpia myuros</i>	Poac	AR			1.55	62		a		Th		h	0			8	4			1134	117	9	3.9	15.6	866		3, 17		8	3	6	3	0
<i>Vulpia unilateralis</i>	Poac	AN			-0.56	35		a		Th		h	0			9	2	Eur		39	0	0	3.6	16.2	705		3, 7		9	3	8	2	0
<i>Wahlenbergia hederacea</i>	Camp	N		n	-0.30	5		p		hc		h	Node2			8	1			314	40	3	4.1	14.9	1280		11, 14		6	8	3	3	0
<i>Wolffia arrhiza</i>	Lemm	N		s	-0.03		0.1	p		Hy		h	Frag			8	4			48	0	0	4.4	16.6	752		13		7	11	7	7	0
<i>Woodsia alpina</i>	Wood	N		r	0.11	8		p		hc		h	0			2	6			22	0	0	0.4	11.6	2371		15, 16		7	4	8	2	0
<i>Woodsia ilvensis</i>	Wood	N	EN	r	-0.10	10		p		hc		h	0			2	6			14	0	0	1.3	12.4	2108		16		7	3	5	2	0
<i>Zannichellia palustris</i>	Zann	N		n	0.17		50	p		Hy		h	Irreg	Rhiz2		8	6			1196	206	5	3.8	15.5	820		13, 14		7	12	8	7	2
<i>Zea mays</i>	Poac	AC				300		a		Th		h	0					Crop	92	1	1	4.0	15.9	820		4, 17		8	3	8	7	0	
<i>Zostera angustifolia</i>	Zost	N		s	-0.68		30	p		Hy		h	Rhiz2			?	?			131	27	6	4.3	15.0	926	Co	21		7	12	8	5	8
<i>Zostera marina</i>	Zost	N		n	-0.86		50	p		Hy		h	Rhiz2			6	6			296	68	13	4.5	14.6	1156	Co	21, 23		6	12	8	6	8
<i>Zostera noltei</i>	Zost	N		s	-0.51		12	p		Hy		h	Rhiz2			8	5			159	36	4	4.2	14.9	1020	Co	21		8	11	8	5	8

APPENDIX

Sources for plant height

Plant heights have been calculated from a range of sources and have been subject to personal adjustment. The main sources were Clapham, Tutin & Warburg (1962), Stace (1991, 1997) and Sell & Murrell (1996). Values that were thought to be too big, especially the height of procumbent species, were modified using information in Butcher (1961).

A nearly complete set of additional height values was taken from sources including *Flora Iberica* (Castroviejo et al., 1986-), a Czech flora (Dostál, 1958) and BSBI handbooks such as *Crucifers of Great Britain and Ireland* (Rich, 1991). Other such sources included Aeschimann & Burdet (1994), Hutchinson & Thomas (1966), Jermy, Chater & David (1982), Meikle (1984), Page (1997) and Preston (1995). The new values were checked against those derived from the main sources. For those species where there was a difference of more than a factor of 1.5 between the two sources, the discrepancy was resolved by making a judgement as to which seemed most suitable for British conditions. In addition, all heights of pteridophytes and of trees and shrubs exceeding 5 m have been critically examined.

A difficulty with creeping or procumbent plants is that the floras give shoot length but not plant height. For several such plants, the canopy height was estimated by Hill, using descriptions and personal experience. Likewise Preston estimated the heights of Aizoaceae (cf Preston & Sell, 1989).

Many difficulties in assigning height to a plant remain. The height of a fern is taken to be the length of its fronds. Scapose plants such as *Pinguicula lusitanica* may be very small except for their scape. In several scapose genera (e.g. *Bellis*, *Pilosella*, *Pinguicula*, *Plantago*, *Primula*, *Pyrola*), the length of the leaves is used as a measure of size. On the other hand, rosette plants with substantial inflorescences (e.g. *Sempervivum tectorum*) have been accorded the height of their inflorescence rather than the length of the leaves. It was impossible to be completely consistent. Maximum height is a general indication of the size of the plant rather than a precise measure.

The resulting table is inevitably a complex result of cited values and personal judgement. It was clear that authors repeat each other and that their information is often wrong. Overestimates abound because botanists take pleasure in extreme values. For example, British authors and *Flora Europaea* (Tutin et al., 1964-1980) give the height of *Ulmus glabra* as 40 m, higher than any other elm. This is clearly unrealistic, but authors' copying of height data has meant that the value 40 m is constantly repeated. Fortunately Bean (1950-1951) indicates a more realistic value of 30 m, which has been used here. We have in many other cases tried to drive heights down from extreme to typical values, by selecting the publication with the lowest values.

Definition of life forms

Life forms (Raunkiaer, 1934) are an example of what are now called 'plant functional types' (cf. Box, 1996). A modified version of Raunkiaer's system was set out by Clapham, Tutin & Warburg (1962), who specified a life form for almost all species. Their assignments are a valuable starting point but contain many inconsistencies. For PLANTATT, they have been comprehensively revised. The categories were partially redefined (Table A1).

Table A1. Life form categories from Clapham, Tutin & Warburg (1962) and revised categories

Category (CTW)	Definition (CTW)	PLANTATT	Definition (database)
Phanerophyte, mega-, meso-	>8 m	Ph	Mega-, meso- and microphanerophyte
Phanerophyte, micro-	2-8 m	Ph	(combined with taller phanerophytes)
Phanerophyte, nano-	25 cm-2 m	Pn	Nanophanerophyte
Chamaephytes	0-25 cm	Ch	Chamaephyte
Hemicryptophytes	Wintering buds at soil surface	hc	Hemicryptophyte
Geophytes	Herbs with wintering buds below the soil surface	Gb, Gn	Geophytes
Helophytes	Marsh plants	(not recognized)	
Hydrophytes	Water plants	Hy	Perennating buds submerged during winter
		Hz	Annual water plant
Therophytes	Passing unfavourable season as seeds	Th	Annual land plant, including those living on summer mud

The redefined categories are generally self-explanatory. As the database contains plant heights, the distinctions between phanerophytes and chamaephytes, and distinctions within phanerophytes, are not entirely necessary. If required, new categories can be derived using combinations of character's. For example German authors such as Mueller-Dombois & Ellenberg (1974) generally allow chamaephytes to be up to 50 cm tall and distinguish a category of dwarf shrubs (denoted by Z - *Zwergsträucher*). These are woody or semi-woody chamaephytes. It would be possible to reconstruct this category from our database, allowing for the fact that ordinary maximum heights of many of these bushes might be up to 100 cm.

Other categories included by Mueller-Dombois & Ellenberg (1974) are lianes, epiphytes and errant hydrophytes (unattached water plants). They define Hemicryptophytes as plants that die back to near the ground in the unfavourable season. Although worked out in some detail, their scheme remains somewhat tentative and we have not adopted it.

Examples of how life-form criteria are applied

The criteria given above result in many discrepancies between our definitions of life form and those of Clapham, Tutin & Warburg (1962). For example, the distinction between geophytes and

hemicryptophytes is often hard to apply with rhizomatous perennials. In principle, plants whose new shoots penetrate the surface before the advent of winter are hemicryptophytes, while those whose shoots remain well buried are geophytes. Thus *Phragmites australis*, with a relatively deep rhizome (Preston & Croft, 1997), has the life forms perennial **Hy** and **Gn**. In *Carex acutiformis*, however, many new shoots have already emerged by the autumn (Preston & Croft, 1997). It is also less strongly aquatic. It is therefore given the life forms **hc** and **Hy**.

In general, biennials have been classified as hemicryptophytes, but a few such as *Euphorbia lathyris*, which are elongated from the beginning, are chamaephytes.

It is instructive to consider some other cases (Table A2), which will not be discussed in detail.

Table A2. Some cases where life-form (LF) is difficult to apply or where our concept differs from that of Clapham, Tutin & Warburg (1962)

Species	LF (CTW)	LF (here)	Comment
<i>Anagallis tenella</i>	Ch	hc, Ch	Does not die back, but buds are at ground level. Life forms are the same as for <i>Trifolium repens</i> .
<i>Iris foetidissima</i>	Ch	hc	Buds are at ground level. Although winter-green, it is no more a chamaephyte than <i>Lolium perenne</i> .
<i>Lavatera arborea</i>	hc	Pn	A monocarpic plant. Not classified as Ph as it does not reach full size till its final season.
<i>Origanum vulgare</i>	Ch	Ch, hc	Genuinely intermediate; dies back to well below 25 cm in winter, regrowing from the base and from short shoots.
<i>Polypodium vulgare</i>	Gn, Ch	hc, Gn	Rhizomes are on or below surface; by analogy with <i>Anagallis tenella</i> more hc than Ch .
<i>Pyrola media</i>	hc	hc	Stems too short for Ch , although it is winter-green.
<i>Saxifraga spathularis</i>	hc	hc, Ch	Intermediate; the buds are slightly above the ground, although it is a rosette plant.
<i>Tanacetum parthenium</i>	hc	Ch, hc	Intermediate; dies back below 25 cm, with overwintering buds near the ground but mostly slightly above it.

Links between life forms and plant height

Because chamaephytes and our two categories of phanerophytes are defined on the basis of height, an effort was made to define life forms consistently by reference to plant height (Table A3). Sometimes, as in *Artemisia campestris*, the overwintering buds are at a substantially lower height than the height of the mature plant. Therefore, this scheme has not been followed exactly but has been used as a guide.

These definitions are necessarily imprecise. However, knowing that *Calluna vulgaris* has a typical maximum height of 60 cm suggests that it will often grow as a chamaephyte and often as a nanophanerophyte. This is indeed the case; *C. vulgaris* is the classic dwarf shrub.

Table A3. Chamaephyte and phanerophyte categories in relation to plant height

Typical maximum plant height (cm)	Primary life form	Secondary life form
3-39	Ch	
40-69	Ch	Pn
70-299	Pn	
300-399	Pn	Ph
400-	Ph	

Clonality

Clonality can be defined in various ways. In an enumeration for Central Europe, Klimeš *et al.* (1997) defined clonal growth as synonymous with vegetative multiplication, which results in the production of new, genetically identical descendants (ramets) with the potential to become independent of the mother organism. According to this definition, plants that produce a new ramet each year but do not spread laterally (for example many orchids) are clonal. Klimeš *et al.* recognize 21 different clonal types. These are described in Klimeš's excellent website *Cloplal* (<http://www.butbn.cas.cz/klimes/cloplal.htm>); all species of Central Europe, including the majority of British and Irish plants, are assigned to one or more clonal types.

Here we adopt a more familiar definition of clonal growth, namely vegetative reproduction combined with lateral spread – i.e. spreading through the formation of clonal patches or clumps, or through fragmentation and subsequent dispersal of plant parts.

Broad Habitats

The Broad Habitat Classification, developed as part of the UK Biodiversity Action Plan (Jackson, 2000; UK Biodiversity Group, 1998; UK Biodiversity Steering Group, 1995), provides a comprehensive framework for surveillance of the UK countryside. We categorized the habitats of plants by their preferences for Broad Habitats.

In the UK Biodiversity Action Plan (UK Biodiversity Steering Group, 1995), 37 Broad Habitat categories were defined. These included some habitats, such as limestone pavements, that are quite narrow but were specified because they are priority habitats for conservation. In a later publication (UK Biodiversity Group, 1998), the number of terrestrial and freshwater Broad Habitats was reduced to 17. Limestone pavements were included in the Broad Habitat inland rock. Ten coastal and marine Broad Habitats were added shortly afterwards (UK Biodiversity Group, 1999). Out of the 27 Broad Habitats, 21 support vascular plants (see Table 8, above).

Broad Habitats are intended to be comprehensive and exclusive. In other words, every place in which a vascular plant is found ought to belong to one and only one Broad Habitat. Although the definitions of Broad Habitats are in many cases obvious, there was a need for more precise circumscription to define the boundaries between them. For terrestrial and freshwater habitats this guidance is now available (Jackson, 2000). The guidance not only gives written definitions, but relates Broad Habitats to the units of the National Vegetation Classification (NVC; Rodwell, 1991-2000).

Jackson's (2000) notes for guidance are the basis of the cross-reference and definitions used here (Table A4). In a small number of cases, we have diverged from her interpretations. The basis of our disagreement was often the scale at which we wished to view the vegetation. Thus we have treated bog pools as strictly bog features (not as open water) and we treat rock-free maritime grassland as neutral grassland (not as supralittoral rock). Other interpretations are possible but result in floristically less homogeneous Broad Habitats.

Table A4. Assignment of NVC communities to Broad Habitats for the purpose of ascribing habitat preferences. Sequential runs of numbers are indicated by hyphens, e.g. 21-23, which signifies the sequence 21,22,23. Some NVC communities were assigned to two Broad Habitats; where this is the case, the community is marked by an asterisk, to show that it is also listed under another Broad Habitat.

No	Name	NVC communities
1	Broadleaved, mixed and yew woodland	W1 -17,19
2	Coniferous woodland	W1 8
3	Boundary and linear features	W2 1-23,24*; OV 18*,19*,21*,22*,24*,25*,27
4	Arable and horticultural	OV 1-11,13,14-17,18*,19*,21*,22*,36
5	Improved grassland	MG 6*,7; OV 12,23*,25*
6	Neutral grassland	W 24; MC 9-12; MG 1-5,6*; MG 8-13; OV 28*
7	Calcareous grassland	CG 1-14
8	Acid grassland	U 1- 6,19
9	Bracken	U 20; W 25
10	Dwarf shrub heath	H 1-10,12,16,18,21; M 15*,16; OV 34
11	Fen, marsh and swamp	M 4-14,22-24,25*,26-38; SI -19,20*,22-28; OV 26,28*,29-
12	Bog	M 1-3,15*,17-21,25*
13	Standing water and canals	A 1-7,8*,9*,10,(11-16)*,19*,20*, 21-24
14	Rivers and streams	A 8*,9*,(11-16)*,17,18,19*,20*
15	Montane habitats	H 13-15,17,19,20,22; U 7-15,18; W 20
16	Inland rock	U 16,17,21; OV 37-40,41*
17	Built-up areas and gardens	OV 20,23*,24*,41*,42
18	Supralittoral rock	MC 1-8
19	Supralittoral sediment	H 11; SD 1-19
21	Littoral sediment	S 20,21; SM 1-28

It is pertinent here to consider the definitions, drawing attention to less obvious features and to where we have differed from Jackson (2000).

BH1 Broadleaved, mixed and yew woodland

Broadleaved woodland is defined as woodland with broadleaved trees having at least 20% canopy cover. In practice, most woodland has closed canopy. Juniper scrub is included in this type if it is large enough to result in a woodland understorey (W19). Other scrub types are treated as edge features (BH3), because hedges are often where they occur. The underscrub community W24 is shared between woodland (BH1) and neutral grassland (BH6).

BH2 Coniferous woodland

This category is clearly defined and corresponds to native pine woodland (W18) in the NVC. Stands of planted conifers normally have a subset of the normal broadleaved woodland flora growing under them. There is no corresponding NVC type. Planted conifers have therefore been under-represented, and the fern *Dryopteris dilatata*, which is the commonest vascular plant in upland conifer plantations, did not appear as a conifer specialist in our floristic database, but its preference was added by us later.

BH3 Boundary and linear features

Apart from scrub that forms hedges, boundary and linear features are not directly cross-referenced to the NVC. They include hedges, tree-lines, walls, earth banks, grass strips and dry ditches. Note that roads, tracks and railways in urban areas belong to the urban BH17.

BH4 Arable and horticultural

Commercial orchards are included here, as well as field crops. Note that horticulture here is defined as commercial horticulture and does not include domestic gardens and allotments, which are included in BH17. The NVC communities classified as OV1-11,13-19,21,22,36 are included here.

BH5 Improved grassland

This has few characteristic species, and is typically dominated by sown ryegrass *Lolium perenne* or clover *Trifolium repens*. OV12, the *Poa annua-Myosotis arvensis* community, is indicated in British Plant Communities (Rodwell, 1991-2000) as being mainly a disturbed element in improved pasture and has been included here.

BH6 Neutral grassland

The mesotrophic grassland types MG1-6,8-13 are the core of the neutral grassland category. Coastal grazing marsh is included here. Four of the coastal cliff grasslands, MC9-12, are not necessarily or normally rocky and have been included here in BH6. OV28, an inundation grassland, is shared between BH6 and BH11.

BH7 Calcareous grassland

By convention, this includes all NVC types included in the CG class. As a result, montane calcareous vegetation is in BH7, along with chalk grassland.

BH8 Acid grassland

Only lowland and subalpine grassland are included here; vegetation types that would normally be found above the timberline are in BH15. Communities UI-6 form the core of this type. The fern community UI9 is treated in BH8. It is usually a mosaic element in grassland, though it also occurs on steep banks by rivers and could therefore be included also in the broad definition (not used here) of BH14.

BH9 Bracken

This is small type, defined as unwooded land dominated by bracken *Pteridium aquilinum*. BH9 has few characteristic species, because it is usually a derivative of grassland or forest. Just two NVC types, U20 and W25, are included here.

BH10 Dwarf shrub heath

The heath type BH10 includes vegetation with at least 25% cover of Ericaceae or dwarf gorse *Ulex minor*. Coastal heath is included in this category, except for dune heath, which is assigned to BH19. Dwarf shrub communities on blanket bogs are strictly included in BH12, but this is a relatively minor habitat for them and has not been recognized in the cross-reference. The standard heathland communities H1-10,12,16,18,21, together with the wet heath communities M15,16 form the core of this community. The bizarre OV34, a chive *Allium schoenoprasum* community forming a mosaic element on shallow soils in coastal heath, is included here.

BH11 Fen, marsh and swamp

This is a very wide category and includes reedbeds, swamps, tall-herb fens, flushes, springs, marshes, rush-pastures and wet grassland. Mud communities of dried-up ponds and riverbeds (e.g. OV30) have been included here, although they belong more strictly to BH13 and BH14 unless they are very extensive (>0.25 ha). Types M4-14,22-38, all swamp communities except *Scirpus maritimus* S21, and OV 26,28-33,35 are included. We have excluded the bog-like communities (*Erico-Sphagnion*) that are found in very acid lowland valley-mires.

BH12 Bog

Bogs are defined strictly only as ombrotrophic bogs. However, we have lumped all *Erico-Sphagnion* vegetation, including M21, in BH12 even if the vegetation occurs in valley mires, together with bog pool vegetation M1-3. This is to prevent the characteristic species of BH11 being too heterogeneous. The NVC types included are M1-3,15,17-21,25.

BH13 Standing water and canals

Only aquatic vegetation has been cross-referenced to this type, i.e. communities A1-16,19-24. Mud communities and marginal vegetation are referred to BH11.

BH14 Rivers and streams

This Broad Habitat is treated in much the same way as BH13. According to the strict definition, all vegetation between the banks of a river counts as belonging to BH14. For the purposes of defining characteristic species, river-bank vegetation has been treated as belonging to other types such as inland rock. Thus the communities included in BH14 are A8,9,11-20. Several of these communities are also characteristic of BH13.

BH15 Montane habitats

This type is defined by having distinctive arctic-alpine species, provided that they are not calcicolous. Calcareous montane vegetation is included in BH7. BH15 includes montane heaths H13-15,17,19,20,22, grassier types U7-15,18, and a willow scrub type W20.

BH16 Inland rock

This heterogeneous Broad Habitat includes limestone pavement, cliffs, caves, scree, quarries and vegetation on skeletal soils over rock. Communities U16,17,21 and OV37-41 are assigned to BH16.

BH17 Built-up areas and gardens

Urban habitats were largely ignored by the NVC surveyors. Most of the characteristic species are neophytes, while the commonest species are widespread natives and archaeophytes (Hill, Roy

& Thompson, 2002). Very few NVC communities are really characteristic of the built environment. Pavement and wall communities OV20,42 are assigned wholly to BH17; OV23,24,41 are assigned to BH17 but shared with other Broad Habitats.

BH18 Supralittoral rock

It is clear from the Habitat Statement for supralittoral rock (UK Biodiversity Group, 1999) that maritime grassland is not included. For that reason, MC9-11,12 have been treated as neutral grassland, BH6. Only MC1-8 are included in BH18.

BH19 Supralittoral sediment

This includes strandlines, shingle, machair and coastal dunes. It includes all the NVC types SD1-19, together with the dune heath type H11.

BH20 Littoral Rock

Intertidal rock normally lacks vascular plants and no vascular-plant species or vegetation type is characteristic of it.

BH21 Littoral sediment

This includes saltmarshes and saltmarsh pools.

BH23 Inshore sublittoral sediment

One vascular plant, *Zostera marina*, occurs in this habitat, which is not considered further.

Initial calculation of species' preferences for Broad Habitats

For the majority of species, habitat preferences were based on quadrat data. Two major datasets were available, the original data used to derive the association tables in *British Plant Communities* (NVC; Rodwell, 1991-2000) and quadrat samples collected for Countryside Survey 2000, CS2000 (Haines-Young et al., 2000).

The quadrat data used to create the NVC categories were supplied by JNCC as an MS Access database. This had been created from files in the format of the VESPA package (Malloch, 1985). There was no information on the NVC community to which each quadrat had been assigned. Therefore, the computer program TABLEFIT (Hill, 1996) was used to assign 31216 quadrats to NVC communities using species' Domin scores. The median goodness-of-fit was 67%. Only four samples had no fit; these were assigned to a community by personal judgement. NVC plant communities were then attributed to Broad Habitats using the cross-reference outlined above (Table A4). All CS2000 samples had been allocated to BAP Broad Habitat types in the field.

After quadrats had been assigned to Broad Habitats, species' frequencies in each Broad Habitat were calculated. Frequencies were used to calculate preferences for Broad Habitats. For each species *s* and BH *h*, we calculated an odds-ratio index:

$$Q_{sh} = \text{observed odds for species } s \text{ in habitat } h / \text{expected odds}$$

$$\left(\frac{n_{sh} / (n_{s+} - n_{sh} + 0.5)}{e_{sh} / (n_{s+} - e_{sh})} \right)$$

where

n_{sh} = observed number of occurrences of species *s* in BH *h*

n_{s+} = $\sum_h n_{sh}$ = total number of occurrences of species *s*

e_{sh} = expected number of occurrences of species *s* in BH *h*.

The expected number of occurrences

$$e_{sh} = n_s N_h / N_+$$

where

N_h = number of quadrat samples in BH h

$N_+ = \sum_h N_h$ = total number of quadrat samples.

Species s was deemed to have a preference for BH h if

$$Q_{sh} > 4.$$

Extension and validation of species' preferences

Many rare, scarce or uncommon native species are not represented either in the NVC quadrats or in CS2000 samples. Furthermore, there was the possibility that uneven sampling of Broad Habitats could have resulted in some wrong indications of preference.

First, we extended the list of BH preferences to species not adequately sampled by the NVC or CS2000, using the text prepared for the New Atlas, together with other literature sources (e.g. Stewart, Pearman & Preston, 1994; Wigginton, 1999). Much of the initial work was done by Bill Meek (CEH); the resulting table of preferential species was checked by D.A. Pearman (BSBI), as well as by ourselves and other CEH staff. In addition, preferences were checked against other data in PLANTATT. For example, species attributed to BH13 (Standing water and canals) and BH14 (Rivers and streams) were checked for their Ellenberg moisture (F) values. Those for which F<8 were scrutinized carefully. Some were excluded from the list of characteristic species of these Broad Habitats.

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