

Tab. 1: Phytosociological table: analytical table of the association *Gentiano terglouensis-Caricetum firmae* T. Wraber 1970 in the Krn Mts. (the Julian Alps).**Tab. 1: Fitocenološka tabela: analizna tabela asociacije *Gentiano terglouensis-Caricetum firmae* T. Wraber 1970 v Krnskem pogorju (Julijske Alpe).**

Relevé number	1	2	3	4	5	6	7	8*	9	10	11	12	13	14	15	16	17	18*	19	20	21	22	23	24	25	26	27	28						
Altitude (m a.s.l.)	1900	1945	1740	1944	1580	1700	1884	2120	1920	1965	2040	2050	2040	1900	1700	1680	1700	1680	1330	1605	1705	2020	2110	1955	1755	1965	1975	1945						
Exposition	N	N	NW		N	N	W	SW	NW	SW	E	NE	W	NE	N	NE	N	E	N	NE		NW	N	N	NE	N	N	N						
Inclination (°)	10	15	30	0	45	50	60	5	15	15	45	5	10	25	20	30	20	70	30	5	0	10	20	20	40	10	20	10						
Coverness (%)																																		
Herb layer	90	90	100	80	70	80	90	95	95	70	95	100	90	40	70	70	80	70	80	90	75	95	95	90	60	90	90	100						
Moss layer	D	1	1		10	10	20	20	10	20	1	5	20						5	5	5	1	1	1	1	1	10							
Relevé area (m²)	6	3	2	6	5	4	4	4	25	4	8	2	4	12	4	4	4	4	6	4	4	25	2	6	12	4	4	1						
Number of species	27	27	20	26	42	43	38	29	58	25	37	34	22	28	21	18	21	22	30	40	28	28	12	15	19	20	18	13	fr	%	I _c	D _%		
Characteristic species of the association																																		
Carex firma	He	4	4	4	4	4	4	4	4	4	5	5	5	1	4	4	4	4	4	3	3	4	4	5	3	2	3	2	28	100	V	85	10.8	
Helianthemum alpestre	Ha	+	+		2	+	1	1	+	1	.	+	.	+	1	.	.	.	.	.	.	.	.	.	.	.	.	.	11	39	II	12	1.5
Crepis kernerii	He	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	+	+	.	.	+	+	+	+	8	29	II	6	0.8
Saussurea pygmaea	He	.	.	.	.	.	.	1	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11	I	3	0.4
Chamorchis alpina	Ge	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	I	2	0.2
Saxifraga caesia	Ha	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Differential species of the association (versus Caricetum firmae Lüdi 1911)																																		
Phyteuma sieberi	He	1	+	+	+	+	.	+	1	1	+	+	+	1	+	.	+	+	.	.	.	1	+	+	+	+	+	1	+	23	82	V	21	2.6
Pedicularis rostrato-capitata	He	+	+	+	+	+	1	+	+	+	+	+	+	+	+	.	+	+	.	.	.	.	.	.	.	+	.	.	18	64	IV	15	1.9
Saxifraga squarrosa	Ha	+	+	.	+	1	+	+	.	+	1	+	+	+	.	+	.	+	+	.	.	.	+	+	.	+	.	.	17	61	IV	14	1.8	
Sesleria sphaerocephala	He	+	.	2	+	1	.	.	+	.	+	.	+	1	.	.	.	.	.	.	.	+	+	.	.	.	1	+	12	43	III	12	1.5
Achillea clavennae	He	.	.	.	+	+	+	+	.	1	.	.	.	.	+	.	.	.	.	+	+	+	+	.	.	.	+	+	11	39	II	9	1.2
Gentiana terglouensis	He	+	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	+	+	+	.	.	.	.	6	21	II	5	0.6
Differential species of subassociations																																		
Polygonum viviparum	Ge	.	+	.	+	.	1	1	2	1	1	.	1	1	+	1	.	.	.	1	+	1	+	+	.	+	.	.	18	64	IV	19	2.4	
Festuca nitida	He	.	.	.	.	+	.	2	1	+	.	1	.	.	+	.	.	.	.	+	+	+	.	.	.	.	.	.	9	32	II	9	1.2
Drepanocladus uncinatus	D	.	.	.	.	.	.	+	2	2	3	.	1	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	21	II	.	
Geranium argenteum	He	.	.	.	.	.	.	2	+	+	.	+	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	6	21	II	6	0.8
Oncophorus virens	D	.	.	.	.	.	.	+	+	.	1	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	14	I	.	
Potentilla nitida	Ha	+	.	.	.	.	.	.	.	.	.	.	.	1	.	2	3	2	3	.	.	.	.	1	.	.	+	+	9	32	II	14	1.8
Oxytropis jacquinii	He	.	.	.	1	.	.	+	+	.	.	.	.	.	1	+	+	+	+	.	.	.	.	.	.	.	.	.	8	22	I	7	0.9
Primula auricula	He	.	.	.	.	1	+	.	.	.	.	+	.	.	.	+	+	+	+	.	.	.	.	.	.	.	.	.	7	25	II	6	0.8
Campanula zoysii	He	.	.	.	.	.	+	.	.	.	.	.	.	.	.	+	+	+	+	.	.	.	.	.	.	.	.	.	4	14	I	3	0.4
Paederota lutea	He	.	.	.	.	.	+	+	.	.	.	.	.	.	.	+	+	+	+	.	.	.	.	.	.	.	.	.	4	14	I	3	0.4
Petrocallis pyrenaica	Ha	.	.	.	.	.	.	.	.	+	.	.	.	.	.	+	.	+	+	.	.	.	.	.	.	.	.	.	4	14	I	3	0.4
Dryas octopetala	Ha	1	2	1	.	+	.	.	1	3	+	2	2	2	+	1	4	4	2	2	3	4	4	3	5	21	75	IV	44	5.6
Athamanta cretensis	He	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	1	+	.	.	.	+	+	+	8	29	II	7	0.9
Leontodon hispidus s. lat.	He	.	.	.	.	.	.	.	.	+	.	.	+	.	.	.	.	.	.	1	1	.	.	.	.	.	+	+	6	21	II	6	0.7
Caricion austroalpinae																																		
Koeleria eriostachya	He	.	+	.	+	.	+	.	.	+	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	5	18	I	4	0.5
Linum julicum	He	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	3	11	I	2	0.3
Laserpitium peucedanoides	He	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	2	7	I	2	0.2
Senecio abrotanifolius	Ha	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	1	4	I	1	0.2
Trifolium noricum	He	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1

Caricion firmae, Seslerietalia caeruleae & Elyno-Seslerietea

Aster bellidiarum	He	+	+	+	+	+	+	+	.	1	+	+	1	.	.	+	+	+	.	1	.	.	1	.	1	+	1	.	+	20	71	IV	18	2.3
Sesleria albicans	He	+	+	.	+	1	1	+	1	+	.	1	1	.	+	1	1	1	2	.	+	.	+	+	.	.	.	.	18	64	IV	19	2.5
Gentiana clusii	He	+	+	+	2	+	+	+	.	+	.	1	1	.	.	.	.	.	.	.	+	.	.	.	+	+	.	.	13	46	III	12	1.6
Leontopodium alpinum	He	+	.	.	+	+	.	+	+	+	.	+	.	.	.	.	1	+	.	+	.	.	.	.	.	.	.	.	10	36	II	8	1.1
Anthyllis vulneraria / alpe stris	He	+	.	.	+	+	.	.	.	+	.	+	1	.	+	.	.	.	.	+	+	.	.	.	.	+	.	.	10	36	II	8	1.1
Ranunculus hybridus	He	.	.	.	.	1	1	+	.	.	.	.	1	.	.	+	+	1	+	+	.	.	.	.	.	.	.	.	9	32	II	9	1.1
Silene acaulis	Ha	.	.	.	.	.	.	+	+	1	.	+	+	+	2	.	.	.	.	.	+	1	.	.	.	.	.	.	9	32	II	9	1.2
Pinguicula alpina	He	+	+	+	.	+	1	.	.	+	.	.	.	.	.	.	.	.	.	+	+	.	.	.	1	.	.	.	9	32	II	8	1.0
Salix alpina	Fa	.	+	.	.	.	.	+	+	1	.	+	.	.	.	.	.	.	.	.	+	+	1	.	.	.	.	.	8	29	II	7	0.9
Thymus alpinus	Ha	.	.	.	+	.	.	.	.	1	+	1	+	.	+	.	.	.	.	2	+	.	.	.	.	.	.	.	8	29	II	8	1.
Homogyne discolor	He	1	1	.	.	.	.	.	.	1	.	+	+	.	.	.	.	.	.	.	+	.	1	.	.	.	.	.	7	25	II	7	0.9
Carex sempervirens	He	+	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	+	.	.	7	25	II	6	0.7
Hieracium villosum	He	.	.	+	.	+	+	.	.	+	.	+	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	7	25	II	6	0.7
Hedysarum hedysaroides	He	.	.	.	.	+	1	+	2	.	+	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	25	II	7	0.9
Poa alpina	He	.	+	.	.	.	.	.	.	+	.	1	.	+	.	.	.	.	.	.	+	+	+	.	.	.	.	.	7	25	II	6	0.8
Androsace villosa	Ha	1	1	.	1	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	6	21	II	6	0.8
Galium anisophyllum	He	.	.	.	+	.	+	.	+	1	.	.	.	.	.	.	.	.	.	1	.	.	+	.	.	.	.	.	6	21	II	6	0.7
Bartsia alpina	He	.	.	.	.	+	+	+	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	6	21	II	5	0.7
Euphrasia salisburgensis	Te	.	.	+	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	+	+	+	6	21	II	5	0.6
Erigeron glabratus	He	.	.	.	.	.	+	+	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	18	I	4	0.5
Aster alpinus	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	+	5	18	I	4	0.5
Astrantia bavarica	He	.	.	.	.	1	+	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	14	I	4	0.5
Carex mucronata	He	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	+	.	+	.	.	.	.	.	4	14	I	3	0.4
Heliosperma alpestre	Ha	.	.	.	.	.	1	.	.	+	.	.	.	.	.	.	.	.	.	1	.	+	.	.	.	.	.	.	4	14	I	4	0.5
Biscutella laevigata	He	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	1	.	.	.	.	.	.	3	11	I	3	0.4
Salix serpyllifolia	Fa	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	3	11	I	2	0.3
Potentilla crantzii	He	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	3	11	I	2	0.3
Pedicularis verticillata	He	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	3	11	I	2	0.3
Gentianella anisodonta	Te	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	3	11	I	2	0.3
Euphrasia picta	Te	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	3	11	I	2	0.3
Ranunculus carinthiacus	He	.	.	.	.	.	.	+	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	3	11	I	2	0.3
Gentiana verna	He	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	2	7	I	2	0.2
Carlina acaulis / simplex	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	2	7	I	2	0.2
Pulsatilla alpina	He	.	.	.	.	+	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	I	2	0.2
Thesium alpinum	He	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	2	7	I	2	0.2
Anemone narcissiflora	Ge	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	I	2	0.2
Campanula scheuchzeri	He	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	I	2	0.2
Daphne striata	Fa	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	I	2	0.2
Coeloglossum viride	Ge	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.2
Gentiana nivalis	Te	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Betonica alopecuroides	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4	I	1	0.1
Helianthemum grandiflorum	Ha	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Hieracium bifidum	He	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Myosotis alpestris	He	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Polygala alpestris	He	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Rhinanthus aristatus / aristatus	Te	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4	I	1	0.1
Alchemilla velebitica	He	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Anthoxanthum nipponicum	He	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Arabis vochinensis	Ha	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4	I	1	0.1
Cerastium subtriflorum	He	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Euphrasia pulchella	Te	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Gentiana pumila	He	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Gentiana utriculosa	Te	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Lotus corniculatus	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4	I	1	0.1

TR *Thlaspietea rotundifolii* s. lat.

Campanula cochleariifolia	He	1	.	.	+	+	+	+	1	+	.	+	1	.	.	.	+	+	+	.	12	43	III	11	1.4
Ranunculus traunfellneri	He	+	+	.	.	+	+	.	+	1	+	+	+	+	.	+	.	.	+	12	43	III	10	1.3
Soldanella minima	He	+	+	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	1	+	.	1	.	.	+	1	.	.	8	29	II	8	1.0
Salix retusa	Fa	.	.	.	.	.	+	+	+	+	+	.	.	.	.	.	.	.	.	.	.	1	4	.	+	.	.	.	8	29	II	8	1.1
Juncus monanthos	He	.	.	.	.	.	.	1	.	+	+	.	.	.	.	.	+	+	.	+	.	+	.	.	.	.	.	.	7	25	II	6	0.8
Saxifraga aizoides	Ha	.	.	.	.	+	+	+	.	.	+	.	+	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	6	21	II	5	0.7
Cerastium austroalpinum	Ha	+	+	.	.	+	+	.	.	4	14	I	3	0.4
Gypsophila repens	Ha	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	+	.	.	.	.	.	.	.	.	.	3	11	I	2	0.3
Thlaspi kernerii	Ha	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	+	.	.	3	11	I	2	0.3
Soldanella alpina	He	.	.	.	.	.	1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	I	2	0.3
Achillea atrata	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	+	.	.	.	.	.	.	2	7	I	2	0.2
Armeria alpina	He	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	2	7	I	2	0.2
Festuca laxa	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	+	.	.	.	2	7	I	2	0.2
Minuartia austriaca	Ha	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	I	2	0.2
Silene vulgaris / glareosa	Ha	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	+	.	.	.	.	.	.	2	7	I	2	0.2
Alyssum ovirens	Ha	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	1	4	I	1	0.1
Moehringia ciliata	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	4	I	1	0.1
Poa minor	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4	I	1	0.1
Rumex scutatus	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	1	4	I	1	0.1

AT *Asplenietea trichomanis*

<i>Valeriana saxatilis</i>	He	1	1	1	.	1	1	.	.	+	.	+	.	+	.	1	1	2	+	.	+	.	.	.	.	+	+	+	.	16	57	III	17	2.1
<i>Saxifraga crustata</i>	Ha	.	+	.	.	+	1	+	+	.	+	+	.	+	1	+	+	+	+	.	.	.	.	.	.	+	.	.	.	14	50	III	12	1.5
<i>Viola biflora</i>	He	+	1	+	.	+	.	+	+	.	.	.	.	.	+	+	.	+	+	.	+	.	+	.	.	.	.	.	.	12	43	III	10	1.3
<i>Minuartia sedoides</i>	Ha	.	.	.	.	.	.	+	+	+	2	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	6	21	II	6	0.8
<i>Potentilla clusiana</i>	He	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	1	4	14	I	4	0.5
<i>Saxifraga paniculata</i>	Ha	.	.	.	.	.	.	+	.	.	.	.	.	+	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3	11	I	2	0.3
<i>Saxifraga burseriana</i>	Ha	.	.	.	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	2	7	I	2	0.2
<i>Asplenium viride</i>	He	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	2	7	I	2	0.2
<i>Bupleurum petraeum</i>	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.2
<i>Asperula aristata</i>	He	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Astragalus australis</i>	He	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Carex atrata</i>	He	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Carex capillaris</i>	He	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Minuartia rupestris</i>	Ha	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Saxifraga tenella</i>	Ha	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Arabis pumila / stellulata</i>	Ha	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	1	4	I	1	0.1
<i>Valeriana elongata</i>	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	1	4	I	1	0.1

EP *Erico-Pinetea*

<i>Rhodothamnus chamaecistus</i>	Fa	+	+	1	+	2	3	.	.	+	1	2	2	2	.	2	.	2	+	.	.	+	.	.	1	+	2	1	.	19	68	IV	27	3.5
<i>Rhododendron hirsutum</i>	Fa	.	+	+	.	+	+	.	.	+	+	2	+	+	.	.	.	.	.	+	.	.	.	+	+	1	+	.	14	50	III	13	1.6	
<i>Arctostaphylos alpina</i>	Fa	.	+	+	+	1	1	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	2	+	.	8	29	II	8	1.1
<i>Calamagrostis varia</i>	He	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Larix decidua</i>	Fa	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1

VP *Vaccinio-Piceetea*

<i>Selaginella selaginoides</i>	Ha	1	1	+	.	1	+	.	.	+	.	+	+	+	.	.	.	+	.	+	1	1	+	.	.	.	.	.	14	50	III	13	1.7
<i>Picea abies</i>	Fa	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	2	7	I	2	0.2
<i>Pinus mugo</i>	Fa	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Vaccinium vitis-idaea</i>	Ha	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Huperzia selago</i>	Ha	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1

Other species

<i>Salix waldsteiniana</i>	Fa	.	.	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	+	.	.	.	+	.	.	.	3	11	I	2	0.3
<i>Salix appendiculata</i>	Fa	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	4	I	1	0.1
<i>Tofieldia calyculata</i>	He	1	+	.	+	+	1	.	.	.	+	.	.	.	.	.	.	+	.	2	1	+	+	.	.	.	+	.	.	12	43	III	12	1.5	
<i>Festuca</i> sp.	He	.	+	.	.	.	.	+	+	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	4	14	I	3	0.4
<i>Parnassia palustris</i>	He	.	.	.	.	.	+	+	.	.	.	+	.	.	.	.	.	.	.	+	.	.	.	.	.	.	.	.	.	.	4	14	I	3	0.4

[illegible]