

Supplement S1. *Carici hallerianae-Quercetum pubescentis* ass. nov. hoc loco, holotypus: relevé 4 (A - lower tree layer, B - shrub layer, C - herb layer).

Beilage S1. *Carici hallerianae-Quercetum pubescentis* ass. nov. hoc loco, Holotypus: Aufnahme 4 (A - untere Baumschicht, B - Strauchschicht, C - Krautschicht)

Relevé number		1	2	3	4	5	6	7	8	9	10
Characteristic species of the association											
<i>Quercus pubescens</i>	A	3	4	2	4	3	2	4	2	3	4
	B	2	2	2	2	1	1	2	2	2	+
<i>Carpinus orientalis</i>	A	.	.	.	.	.	.	3	.	.	.
	B	2	2	3	3	2	4	2	4	2	4
<i>Sesleria autumnalis</i>	C	3	4	4	3	2	3	3	3	.	3
<i>Carex halleriana</i>	C	r	+	+	1	+	+	.	+	.	2
Carpinion orientalis											
<i>Acer monspessulanum</i>	A	.	.	.	.	.	.	1	.	.	.
	B	.	.	2	.	1	1	1	2	.	+
<i>Lonicera etrusca</i>	B	+	+	.	+	1	.	1	+	.	.
<i>Coronilla emerus</i> s.l.	B	+	.	r	.	+	1	+	+	.	.
<i>Hieracium tommasianum</i>	C	+	.	.	r	+	.	+	.	.	.
Quercetalia pubescentis											
<i>Fraxinus ornus</i>	A	.	+	.	.	.	1	2	.	2	.
	B	2	.	2	2	2	+	2	2	2	2
<i>Quercus cerris</i>	A	1	.	.	.	.	1	.	1	.	.
	B	2	.	2	2	.	2	.	2	.	.
<i>Cornus mas</i>	B	.	.	2	r	1	+	.	2	.	+
<i>Euonymus verrucosus</i>	B	.	.	+	.	+	+	r	1	.	1
<i>Sorbus torminalis</i>	B	.	.	+	r	2	.	+	.	.	+
<i>Acer obtusatum</i>	B	.	.	2	.	.	.	.	.	.	2
<i>Viola hirta</i> agg.	C	r	+	+	+	+	+	r	+	r	.
<i>Campanula persicifolia</i>	C	+	+	+	+	.	+	.	.	.	+
<i>Silene nutans</i>	C	r	+	.	r	.	1	.	.	.	r
<i>Clinopodium vulgare</i>	C	.	.	+	.	.	1	.	+	.	+
<i>Buglossoides purpureocaerulea</i>	C	.	.	1	.	1	+	.	+	.	.
<i>Tanacetum corymbosum</i>	C	+	.	+	.	.	.	.	+	r	.
<i>Tamus communis</i>	C	.	.	.	.	+	.	+	.	r	1
<i>Lathyrus niger</i>	C	.	.	+	r	.	1	.	.	.	.
<i>Asperula purpurea</i>	C	.	.	.	+	+	.	1	.	.	.
<i>Campanula bononiensis</i>	C	.	.	.	.	+	r	.	+	.	.
Quercus-Fagetea and Rhamno-Prunetea											
<i>Crataegus monogyna</i>	B	+	.	+	+	+	1	1	+	r	+
<i>Rosa arvensis</i>	B	.	.	+	+	r	+	+	.	+	.
<i>Acer campestre</i>	B	r	.	.	.	.	2	.	+	.	+
<i>Ligustrum vulgare</i>	B	.	.	+	.	.	.	.	+	.	+
<i>Cruciata glabra</i>	C	r	+	+	.	.	+	.	r	.	1
<i>Dactylis glomerata</i> s.l.	C	.	.	+	.	.	.	+	+	r	1
<i>Veronica chamaedrys</i>	C	.	.	.	+	+	.	+	.	.	+
<i>Brachypodium sylvaticum</i>	C	+	.	.	.	.	.	+	.	.	1
Trifolio-Geranietea											
<i>Trifolium alpestre</i>	C	+	r	r	+	.	.	.	.	.	r
<i>Dorycnium pentaphyllum</i> subsp. <i>germanicum</i>	C	1	.	.	.	.	+	.	+	1	.
<i>Helleborus multifidus</i>	C	+	+	.	.	.	r	.	r	.	.
<i>Polygonatum odoratum</i>	C	.	.	+	.	.	.	.	.	1	r
Festuco-Brometea											
<i>Teucrium chamaedrys</i>	C	+	+	+	+	+	r	+	+	+	.
<i>Brachypodium pinnatum</i> s.l.	C	2	.	1	1	.	2	+	1	2	1
<i>Bromus erectus</i> agg.	C	1	.	.	+	+	+	1	+	3	.
<i>Festuca pseudovina</i> agg.	C	.	2	+	+	+	+	+	.	+	.
<i>Asperula cynanchica</i>	C	r	.	.	r	+	.	+	r	+	.
<i>Carex humilis</i>	C	.	+	.	.	+	2	2	+	.	.
<i>Euphorbia cyparissias</i>	C	.	.	r	.	.	+	r	.	+	.
<i>Genista sylvestris</i> subsp. <i>dalmatica</i>	C	.	+	.	.	+	.	1	.	.	.
<i>Lotus corniculatus</i>	C	+	.	.	+	r	.	.	.	.	.
<i>Thymus pulegioides</i>	C	.	r	.	.	.	.	.	r	+	.
<i>Helianthemum nummularium</i>	C	.	.	.	.	.	+	.	r	+	.
Companions											
<i>Chamaecytisus hirsutus</i> agg.	B	.	.	.	+	.	.	1	+	+	.
<i>Fragaria vesca</i>	C	.	+	+	1	+	+	.	+	.	.
<i>Elymus repens</i>	C	.	.	.	.	1	.	+	r	.	.

In one or two relevés:

A: *Ostrya carpinifolia* 9+;

B: *Acer tataricum* 1+; *Clematis vitalba* 3:r, 7+; *Colutea arborescens* 10+; *Cornus sanguinea* 1+; *Corylus avellana* 2:1; *Cotinus coggygria* 3:1, 10:2; *Frangula rupestris* 5+; 7+; *Genista tinctoria* 3:r; *Juglans regia* 1:r; *Juniperus communis* 10:r; *Lonicera xylosteum* 6:r; *Ostrya carpinifolia* 4+; 7:r; *Prunus spinosa* 8:1; *Pyrus pyraeaster* 6+; 10:r; *Rhamnus orbiculatus* 7+; *Rosa canina* 1:1, 2+; *Sorbus aria* 3+; 7:r; *Sorbus domestica* 10, r; *Viburnum lantana* 10, r;

C: *Achillea nobilis* 7:r; *Aethionema saxatile* 8:r; *Agrostis castellana* 4+; *Anemone ranunculoides* 2+; *Anthericum ramosum* 1:r, 9:3; *Arabis hirsuta* 9:r; *Arabis turrata* 3+; 10+; *Aremonia agrimonoides* 4:r, 6:r; *Asparagus tenuifolius* 10+; *Betonica officinalis* 1+; 3+; *Bunium alpinum* subsp. *montanum* 4+; *Buphthalmum salicifolium* 9:1; *Calamintha sylvatica* 10+; *Campanula glomerata* 2:1; *Campanula trachelium* 3+; *Carex caryophylla* 10+; *Carum carvi* 5+; 7+; *Centaurea napulifera* subsp. *tuberosa* 1+; 3:r; *Clematis recta* 9:1; *Convolvulus cantabrica* 6+; *Coronilla coronata* 1+; *Cotoneaster nebrodensis* 4:r; *Crataegus laevigata* 2:1; *Dictamnus albus* 3+; 5+; *Epipactis atrorubens* 1:r; *Eryngium amethystinum* 6:r; *Festuca heterophylla* 3:r, 10+; *Filipendula vulgaris* 3+; 4:r; *Fritillaria orientalis* 2:r; *Galium lucidum* 8+; 9+; *Geranium lucidum* 8+; *Geranium robertianum* 10:r; *Geranium sanguineum* 4:r; *Geum urbanum* 8:r; *Glechoma hirsuta* 3+; 10+; *Globularia punctata* 9+; *Helleborus odoratus* 10+; *Hieracium hoppeanum* 5:r; *Hieracium murorum* 9:r; *Hieracium piloselloides* 4:r; *Hieracium praealtum* subsp. *bauhinii* 9+; *Hieracium sabaudum* 9+; *Hippocrepis comosa* 1+; 9+; *Hypochaeris maculata* 3+; *Inula spiraeifolia* 3:r; *Iris graminea* 3+; *Lathyrus venetus* 3:r, 10:1; *Leontodon hispidus* 1+; *Leontodon incanus* 9:r; *Lilium martagon* 3:r; *Medicago falcata* 7+; *Medicago lupulina* 8:r; *Melica ciliata* 8:r; *Melica uniflora* 3+; *Melittis melissophyllum* 3:r, 9+; *Orchis simia* 9:r; *Origanum vulgare* 3+; *Ornithogalum pyrenaicum* 3+; *Petrorhagia saxifraga* 6+; *Peucedanum austriacum* 3:r; *Peucedanum cervaria* 3+; *Peucedanum oreoselinum* 7+; 9:2; *Pimpinella saxifraga* 9:r; *Platanthera bifolia* 1:r; *Poa angustifolia* 10+; *Poa trivialis* s.l. 1+; 6+; *Potentilla erecta* 9+; *Potentilla heptaphylla* 2+; 4:r; *Potentilla hirta* 5+; 7+; *Potentilla micrantha* 4+; 10+; *Potentilla tommasiana* 6+; *Primula vulgaris* 3:r; *Sanguisorba minor* s.l. 6:r; *Scabiosa cinerea* 9+; *Scutellaria altissima* 10+; *Sedum acre* 6+; 8:r; *Sedum ochroleucum* 6:r; *Sedum telephium* subsp. *maximum* 3:r, 8:r; *Serratula tinctoria* 3+; *Silene nemoralis* 3+; *Silene vulgaris* 9+; *Smyrniolum perfoliatum* 10+; *Solidago virgaurea* 9+; *Stachys recta* s.l. 9:r; *Teucrium montanum* 7+; *Thalictrum minus* 7:r; *Thesium linophyllum* 4+; *Thlaspi goesingense* 9+; *Thymus longicaulis* 1+; 4+; *Trifolium montanum* 1+; *Trifolium rubens* 3:r; *Veratrum nigrum* 3:r; *Verbascum nigrum* s.l. 8:r; *Vicia incana* 3:r;

Details of relevés (indicated in the following order: relevé number, GIVD EU-BA-001 relevé number, relevé area (m²), altitude (m), aspect, slope (degrees), cover (%) A-B-C, species richness (total), date (year/ month/day), description of locality, latitude, longitude) : 1. 70, 400, 650, NE, 20, 60-50-40, 40, 20110608, Oreči (Posušje), 43.433086, 17.369203; 2. 4, 600, 920, SW, 15, 60-25-80, 25, 20110422, Brina (Cincar), 43.852217, 16.972696; 3. 243, 400, 670, S, 3, 20-80-70, 60, 20120627, Tarovine (Osječenica), 44.467614, 16.253619; 4. 318, 400, 880, S, 12, 70-70-70, 39, 20140701, između Posušja i Mesihovine, 43.530835, 17.284225; 5. 475, 100, 786, S, 20, 50-60-40, 34, 20140723, između Posušja i Mesihovine, 43.511384, 17.270108; 6. 116, 400, 655, S, 15, 30-90-50, 42, 20110725, Guvno (Drvar), 44.402031, 16.365373; 7. 330, 400, 808, SW, 15, 80-50-30, 40, 20140723, između Posušja i Mesihovine, 43.511836, 17.270355; 8. 244, 400, 680, S, 20, 40-70-30, 43, 20120627, Guvno (Drvar), 44.40562, 16.356532; 9. 16, 900, 440, S, 35, 50-40-95, 42, 20110511, Gomjenica-Prisoje (Manjača), 44.700182, 16.923974; 10. 306, 400, 340, NE, 20, 70-70-60, 43, 20140624, Kamenice (Bočac), 44.511213, 17.152517.