

Supporting Information

Forest vegetation in western Romania in relation to climate variables: Does community composition reflect modelled tree species distribution? *Annals of Forest Research*

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Supporting Information I – Figure S1. Location of the study regions for vegetation sampling

Supporting Information II – Table S1. Linear regression functions for relating altitude and climate variables in the five different regions

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Supporting Information I



Figure S1. 18 plots were surveyed in total: IG = 4 plots, ZM = 5 plots, Dom = 3 plots, TM = 4 plots, Coz = 2 plots (Map taken from Google Earth: Image Landsat©2016 Google US Dept. of State Geographer).

Supporting Information II

Table S1. Linear regression functions ($ax+b$ with $x = \text{altitude}$), coefficients of determination (R^2) and precipitation and temperature change with 100 m increase in altitude for the different study regions and the following climate variables: annual precipitation sum ($Prec$), precipitation sum May to September ($Prec_{\text{May-Sep}}$), annual mean temperature (T), mean temperature July (T_{Jul}), mean temperature January (T_{Jan}) and mean temperature May to September ($T_{\text{May-Sep}}$). The following climate stations (with altitude) were regarded (see www.climate-data.org): Iron Gates Natural Park = Orsova (89 m), Eibenthal (435 m), Eselnita (84 m), Svinita (297 m), Ilovita (124 m), Dubova (101); Zarand Mountains = Odvos (168 m), Soimos (125 m), Nadas (191 m), Minisel (276 m), Milova (148 m), Lipova (126 m); Târnava Mare = Dupus (389 m), Biertan (327 m), Atel (359 m), Copsa Mare (394 m), Valchid (367 m), Saros pe Tarnave (319 m); Domogled National Park = Baile Herculane (144 m), Pecinisca (171 m), Barza (98 m), Valea Bolvasnitaa (318 m), Podeni (494 m), Gornenti (596 m); Cozia National Park = Brezoi (368 m), Golotreni (341 m), Corbu (304 m), Proieni (313 m), Draganesti (497 m), Vales lui stan (429 m).

	a	b	R ²	Change per 100 m
Iron Gates Natural Park				
<i>Prec</i>	0.2541	596.3200	0.9926	+25.41 mm
<i>Prec</i> _{May-Sep}	0.1457	297.9000	0.9986	+15.17 mm
<i>T</i>	-0.0051	11.6030	0.9985	-0.51 °C
<i>T</i> _{Jul}	-0.0060	22.0290	0.9889	-0.60 °C
<i>T</i> _{Jan}	-0.0032	0.0278	0.9584	-0.32 °C
<i>T</i> _{May-Sep}	-0.0058	19.7290	0.9968	-0.58 °C
Zarand Mountains				
<i>Prec</i>	0.2474	574.2000	0.9901	+24.74 mm
<i>Prec</i> _{May-Sep}	0.1836	288.0300	0.9875	+18.36 mm
<i>T</i>	-0.0051	11.5160	0.9752	-0.51 °C
<i>T</i> _{Jul}	-0.0056	21.6680	0.9765	-0.56 °C
<i>T</i> _{Jan}	-0.0033	-0.8857	0.9861	-0.33 °C
<i>T</i> _{May-Sep}	-0.0056	19.5470	0.9894	-0.56 °C
Târnava Mare				
<i>Prec</i>	0.1903	531.2300	0.9598	+19.03 mm
<i>Prec</i> _{May-Sep}	0.1445	310.5100	0.9715	+14.45 mm
<i>T</i>	-0.0054	10.9330	0.9171	-0.54 °C
<i>T</i> _{Jul}	-0.0063	21.3060	0.8591	-0.63 °C
<i>T</i> _{Jan}	-0.0027	-2.7401	0.7937	-0.27 °C
<i>T</i> _{May-Sep}	-0.0069	19.5290	0.9229	-0.69 °C
Domogled National Park				
<i>Prec</i>	0.2405	596.8300	0.9991	+24.05 mm
<i>Prec</i> _{May-Sep}	0.1584	300.7700	0.9982	+15.84 mm
<i>T</i>	-0.0048	11.5280	0.9958	-0.48 °C
<i>T</i> _{Jul}	-0.0057	21.9770	0.9963	-0.57 °C
<i>T</i> _{Jan}	-0.0038	0.0175	0.9957	-0.38 °C
<i>T</i> _{May-Sep}	-0.0054	19.6640	0.9982	-0.54 °C
Cozia National Park				
<i>Prec</i>	0.2422	530.4300	0.9954	+24.22 mm
<i>Prec</i> _{May-Sep}	0.1199	314.4800	0.9992	+11.99 mm
<i>T</i>	-0.0047	11.1590	0.9879	-0.47 °C
<i>T</i> _{Jul}	-0.0055	21.7030	0.9707	-0.55 °C
<i>T</i> _{Jan}	-0.0030	-2.0403	0.9639	-0.30 °C
<i>T</i> _{May-Sep}	-0.0053	19.5170	0.9815	-0.53 °C

Supporting Information III

Table S2. Survey of the 18 relevés assigned to three community groups identified by cluster analysis. Within each vegetation layer, species are arranged in order of frequency. The Braun-Blanquet-Scale was transformed to %-values. T1 = tree layer 1, T2 = tree layer 2. IG = Iron Gates Natural Park, ZM = Zarand Mountains, TM = Târnava Mare, Dom = Domogled National Park, Coz = Cozia National Park. Species name letters in bold represent abbreviations used in NMDS (see Figure 2B-C main article).

Community group	Thermophilous deciduous forest					Mesic deciduous forest				Pine forest								
Plot name	IG1	IG2	IG3	IG4	ZM1	ZM2	ZM3	ZM4	ZM5	TM1	TM2	TM3	TM4	Dom1	Dom2	Dom3	Coz1	Coz2
Plot size [m ²]	225	200	200	200	200	200	200	225	200	200	200	225	200	200	200	200	200	200
Aspect	W	W	NNE	S	WNW	NNW	W	SW	WSW	NNE	NNE	NNE	SW	N	N	NW	S	S
Slope [°]	25	12	14	5	15	18	5	22	15	10	10	20	0-5	45	37	50	48	40-45
Altitude [m a.s.l.]	220	294	320	320	200	200	212	205	190	451	460	475	490	560	585	635	400	335
Cover																		
Tree layer 1 [%]	70	60	85	65	75	70	65	70	65	85	85	90	65	30	30	10	30	40
Tree layer 2 [%]	10	20	.	10	30	10	12	15	12	.	.	.	20	.	.	.	.	2
Tree layer total [%]	73	68	85	69	83	73	69	75	69	85	85	90	72	30	30	30	30	41
Shrub layer [%]	30	20	.	5	.	3	8	40	10	1.5	.	.	.	30	30	10	0.5	5
Herb layer [%]	10	20	10	35	27	12	65	50	65	50	70	30	65	50	65	70	40	75
Tree layer species																		
Quercus cerris (T1)	37.5	10	20	20	10	10	62.5	62.5	62.5	.	.	.	.	.	.	.	.	.
Carpinus betulus (T1)	.	.	37.5	.	.	37.5	.	.	.	62.5	62.5	0.1	20	.	.	.	.	.
Fagus sylvatica (T1)	.	.	0.1	.	37.5	10	.	.	.	10	.	87.5	20	.	.	.	.	.
Pinus sylvestris (T1)	.	10	20	.	.	.	.	.	.	.	.	.	.	.	.	.	37.5	37.5
Quercus dalechampii (T1)	10	37.5	.	37.5	10	.	.	.	.	.	.	.	.	.	.	.	.	.
Carpinus betulus (T2)	.	.	.	.	20	0.5	.	10	.	.	.	.	10	.	.	.	.	.
Quercus frainetto (T1)	.	.	.	.	.	10	2.5	20	2.5	.	.	.	.	.	.	.	.	.
Pinus nigra var. banatica (T1)	.	.	.	.	.	.	.	.	.	.	.	.	.	37.5	37.5	37.5	.	.
Quercus petraea (T1)	.	.	.	.	.	.	.	.	.	.	10	0.5	37.5	.	.	.	.	.
Prunus avium (T1)	.	.	.	.	.	.	.	.	.	10	10	.	.	.	.	.	.	.
Quercus frainetto (T2)	.	.	.	.	.	.	10	.	10	.	.	.	.	.	.	.	.	.
Quercus dalechampii (T2)	.	20	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Community group Plot name	Thermophilous deciduous forest					Mesic deciduous forest				Pine forest								
	IG1	IG2	IG3	IG4	ZM1	ZM2	ZM3	ZM4	ZM5	TM1	TM2	TM3	TM4	Dom1	Dom2	Dom3	Coz1	Coz2
<i>Carpinus orientalis</i> (T1)	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Corylus colurna</i> (T1)	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Robinia pseudoacacia</i> (T1)	10
<i>Acer campestre</i> (T2)	10	.	.	.	.	.	.
<i>Carpinus orientalis</i> (T2)	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Corylus colurna</i> (T2)	.	.	.	10	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Acer pseudoplatanus</i> (T1)	2.5	.	.	.	.	.	.	.
<i>Acer tataricum</i> (T2)	0.5	.	.	.	.	.	.	.	.	.	.
<i>Fagus sylvatica</i> (T2)	0.5	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pinus sylvestris</i> (T2)	0.1
Shrub layer species [%]																		
<i>Fagus sylvatica</i>	0.1	0.5	0.5	.	20	0.5	.	.	.	2.5	2.5	0.5	0.5	0.1	.	.	.	.
<i>Carpinus orientalis</i>	37.5	2.5	.	0.1	.	.	.	.	.	.	.	.	.	0.1	0.5	.	.	.
<i>Sorbus torminalis</i>	0.1	.	0.5	.	.	.	.	0.5	2.5	2.5	.	.
<i>Quercus frainetto</i>	.	0.1	.	.	.	.	0.1	2.5	0.1	.	.	.	.	.	.	.	.	.
<i>Fraxinus ornus</i>	37.5	2.5	2.5	.	.
<i>Carpinus betulus</i>	0.5	.	2.5	20	.	.	.	.	.	.	.	.	.
<i>Cotinus coggygria</i>	0.5	2.5	2.5	.	.
<i>Acer tataricum</i>	0.5	2.5	0.5	.	.	.	.	.	.	.	.	.
<i>Rosa arvensis</i>	2.5	0.1	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Acer campestre</i>	0.1	0.5	0.1	.	.	.	.	.	.	.	.	.
<i>Betula pendula</i>	2.5	0.1	.
<i>Prunus avium</i>	0.1	.	.	.	.	.	.	0.5	.	.	.
<i>Rhamnus cathartica</i>	0.1	.	0.5	.	.	.	.	.	.	.	.	.
<i>Quercus cerris</i>	0.1	.	.	.	.	.	0.1	.	.	.	.
<i>Acer pseudoplatanus</i>	2.5	.	.
<i>Ligustrum vulgare</i>	0.5	.	.	.	.	.	.	.	.	.
<i>Malus dasycarpa</i>	0.1	.	.	.	.	.	.	.	.	.	.	.
Herb layer species [%]																		
<i>Prunus avium</i>	2.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	.	0.5	0.5	0.1	.
<i>Viola alba</i>	2.5	0.5	2.5	2.5	.	.	0.5	0.1	0.5	0.5	0.5	0.5	0.5	0.1	.	0.1	2.5	0.5
<i>Acer campestre</i>	.	.	2.5	2.5	0.5	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	.	.	.	.	.
<i>Crataegus spec.</i>	.	0.5	0.5	0.5	.	0.5	0.5	0.5	0.5	0.5	.	0.5	.	.	.	.	0.5	0.5
<i>Carpinus betulus</i>	.	.	2.5	.	2.5	0.5	10	2.5	10	0.5	2.5	0.5	0.5	.	.	.	.	.
<i>Rubus spec.</i>	0.5	.	2.5	0.1	0.5	0.5	.	20	2.5	.	0.5	.	.	.	.	.	.	0.1

Community group Plot name	Thermophilous deciduous forest					Mesic deciduous forest				Pine forest								
	IG1	IG2	IG3	IG4	ZM1	ZM2	ZM3	ZM4	ZM5	TM1	TM2	TM3	TM4	Dom1	Dom2	Dom3	Coz1	Coz2
<i>Quercus cerris</i>	5	0.5	2.5	2.5	0.5	0.5	.	0.5	0.5	.	0.5	.	.	.	.	.	.	.
<i>Viola reichenbachiana</i>	.	.	0.5	0.5	0.1	.	.	.	.	5	2.5	0.5	0.1	0.1	.	.	.	0.5
<i>Drymochloa drymeja</i>	.	.	.	0.5	2.5	.	2.5	0.5	2.5	0.5	.	2.5	20	.	.	.	.	.
<i>Melica uniflora</i>	2.5	.	.	0.5	0.5	2.5	2.5	2.5	2.5	.	.	.	2.5	.	.	.	.	.
<i>Clematis vitalba</i>	.	.	0.5	0.1	.	.	.	.	.	0.1	.	.	0.5	0.5	.	0.5	10	2.5
<i>Luzula forsteri</i>	2.5	2.5	0.5	.	0.5	0.5	0.5	0.5	0.5	.	.	.	.	.	.	.	.	.
<i>Potentilla micrantha</i>	.	0.5	0.5	0.5	0.5	0.5	2.5	0.5	2.5	.	.	.	.	.	.	.	.	.
<i>Euphorbia amygdaloides</i>	0.1	.	0.5	0.5	.	.	.	.	.	0.5	0.5	.	0.5	2.5	.	0.5	.	.
<i>Poa nemoralis</i>	10	2.5	.	.	.	0.5	2.5	0.5	2.5	.	.	.	.	.	.	0.5	.	.
<i>Quercus dalechampii</i>	5	0.5	.	0.5	0.5	0.5	2.5	.	2.5	.	.	.	.	.	.	.	.	.
<i>Brachypodium sylvaticum</i>	0.5	.	0.1	2.5	0.5	.	2.5	.	2.5	.	.	.	0.5	.	.	.	.	.
<i>Ajuga reptans</i>	.	0.5	0.5	.	0.5	.	.	.	.	2.5	2.5	0.1	0.5	.	.	.	.	.
<i>Cruciata glabra</i>	0.5	.	0.1	.	.	0.5	0.5	0.5	0.5	.	.	.	2.5	.	.	.	.	.
<i>Sorbus torminalis</i>	.	0.5	0.1	0.1	.	0.5	0.5	.	0.5	.	.	.	.	0.1	.	.	.	.
<i>Pyrus communis subsp. pyraster</i>	.	0.5	0.1	.	0.5	0.1	0.5	0.1	0.1	.	.	.	.	.	.	.	.	.
<i>Teucrium chamaedrys</i>	2.5	.	.	.	.	.	.	.	.	.	.	.	.	2.5	5	0.5	2.5	2.5
<i>Veronica chamaedrys</i>	5	2.5	0.1	0.5	.	.	0.5	.	0.5	.	.	.	.	.	.	.	.	.
<i>Dactylis polygama</i>	.	.	.	.	.	0.5	2.5	2.5	2.5	0.5	.	.	0.5	.	.	.	.	.
<i>Clinopodium vulgare</i>	0.1	.	.	.	.	.	0.5	.	0.5	.	.	.	0.5	.	0.5	.	.	0.5
<i>Mycelis muralis</i>	.	.	.	.	0.1	.	.	.	.	0.5	0.5	0.1	0.1	0.5	.	.	.	.
<i>Carex pilosa</i>	.	.	.	.	2.5	10	.	.	.	10	.	20	2.5	.	.	.	.	.
<i>Fraxinus ornus</i>	.	2.5	2.5	20	.	.	.	.	.	.	.	.	10	.	.	.	.	0.5
<i>Cytisus hirsutus</i>	.	.	.	.	.	.	0.5	0.5	.	.	.	.	.	2.5	20	0.5	.	.
<i>Lamium galeobdolon subsp. galeobdolon</i>	.	.	.	.	0.5	.	.	0.5	.	2.5	10	5	.	.	.	.	.	.
<i>Galium intermedium</i>	.	.	.	.	0.5	.	.	0.5	.	2.5	2.5	.	0.5	.	.	.	.	.
<i>Galium aparine</i>	2.5	.	.	0.5	.	.	0.5	0.5	0.5	.	.	.	.	.	.	.	.	.
<i>Peucedanum oreoselinum</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5	2.5	0.5	0.5	0.5
<i>Silene viridiflora</i>	0.1	.	.	.	.	.	0.5	0.1	0.5	.	.	.	.	.	.	.	2.5	.
<i>Ranunculus cassubicus</i>	0.1	.	.	.	.	.	0.5	.	0.1	0.1	2.5	.	.	.	.	.	.	.
<i>Hedera helix</i>	.	.	0.1	0.5	.	.	.	.	.	0.5	.	.	0.5	0.5	.	.	.	.
<i>Tilia tomentosa</i>	.	.	.	.	0.5	0.1	0.5	.	0.1	.	.	.	.	0.1	.	.	.	.
<i>Quercus frainetto</i>	.	.	.	.	.	0.5	10	2.5	10	.	.	.	.	.	.	.	.	.
<i>Asarum europaeum</i>	.	.	.	.	.	.	.	.	.	2.5	10	0.5	2.5	.	.	.	.	.
<i>Galium odoratum</i>	.	.	.	.	.	.	.	.	.	2.5	10	2.5	0.5	.	.	.	.	.
<i>Acer pseudoplatanus</i>	.	.	.	.	.	.	.	.	.	2.5	2.5	10	.	0.1	.	.	.	.
<i>Carex divulsa subsp. leersii</i>	.	.	.	.	0.1	.	2.5	2.5	2.5	.	.	.	.	.	.	.	.	.
<i>Salvia glutinosa</i>	.	.	.	.	.	.	.	.	.	2.5	2.5	0.1	.	.	.	.	0.5	.

Community group Plot name	Thermophilous deciduous forest					Mesic deciduous forest				Pine forest								
	IG1	IG2	IG3	IG4	ZM1	ZM2	ZM3	ZM4	ZM5	TM1	TM2	TM3	TM4	Dom1	Dom2	Dom3	Coz1	Coz2
<i>Securigera varia</i>	0.1	0.5	2.5	0.5	.	.
<i>Geum urbanum</i>	.	.	.	0.1	.	.	.	0.1	.	0.1	2.5	.	.	.	.	.	.	.
<i>Fragaria vesca</i>	.	.	0.5	.	.	.	0.5	.	0.5	.	.	.	.	.	.	.	0.5	.
<i>Melampyrum bihariense</i>	0.5	0.5	0.5	0.1	.	.	.	.	.	.	.	.
<i>Quercus petraea</i>	0.5	0.5	0.1	0.5	.	.	.	.	.
<i>Rosa canina</i>	0.5	0.5	0.1	0.1
<i>Taraxacum spec.</i>	0.1	.	.	.	0.1	.	.	0.5	0.1
<i>Brachypodium pinnatum</i>	20	10	0.5	.
<i>Circaea lutetiana</i>	2.5	10	2.5	.	.	.	.	.	.
<i>Festuca stricta</i> subsp. <i>sulcata</i>	.	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.5	10
<i>Pulmonaria obscura</i>	2.5	10	2.5	.	.	.	.	.	.
<i>Ferulago campestris</i>	0.5	2.5	10	.	.
<i>Festuca xanthina</i>	0.5	10	2.5	.	.
<i>Melica transsilvanica</i>	2.5	.	.	0.5	10
<i>Carpinus orientalis</i>	5	.	2.5	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Glechoma hirsuta</i>	2.5	2.5	2.5	.	.	.	.	.	.	.	.	.
<i>Scabiosa columbaria</i>	0.5	0.5	5	.	.
<i>Pilosella officinarum</i>	2.5	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5	.
<i>Sanicula europaea</i>	2.5	2.5	.	0.1	.	.	.	.	.
<i>Acer tataricum</i>	0.5	2.5	0.5	.	.	.	.	.	.	.	.	.
<i>Arabis turrita</i>	2.5	0.5	0.5	.	.
<i>Asplenium trichomanes</i>	2.5	0.5	0.5	.	.
<i>Carex sylvatica</i>	0.5	2.5	0.5	.	.	.	.	.	.
<i>Lembotropis nigricans</i> subsp. <i>nigricans</i>	0.5	.	.	.	.	.	.	.	2.5	0.5
<i>Helleborus purpurascens</i>	0.5	2.5	.	0.5	.	.	.	.	.
<i>Leontodon crispus</i>	0.5	2.5	0.5
<i>Rubus canescens</i>	2.5	0.5	0.5	.	.
<i>Cardamine bulbifera</i>	0.1	2.5	0.5	.	.	.	.	.	.
<i>Lathyrus vernus</i>	0.1	2.5	.	0.5	.	.	.	.	.
<i>Verbascum glabratum</i> subsp. <i>glabratum</i>	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.5	0.5
<i>Fallopia dumetorum</i>	2.5	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.1
<i>Alliaria petiolata</i>	0.5	0.5	0.5	.	.	.	.	.	.	.	.	.
<i>Asperula tinctoria</i>	0.5	0.5	0.5	.	.
<i>Campanula rapunculoides</i>	0.5	.	.	.	0.5	0.5	.	.
<i>Campanula sparsa</i>	0.5	.	0.5	0.5
<i>Inula conyzae</i>	0.5	.	.	.	0.5	0.5
<i>Linum uninode</i>	0.5	0.5	0.5	.	.

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	IG1	IG2	IG3	IG4	ZM1	ZM2	ZM3	ZM4	ZM5	TM1	TM2	TM3	TM4	Dom1	Dom2	Dom3	Coz1	Coz2
<i>Euonymus europaeus</i>	0.1	0.5	0.5
<i>Lathyrus niger</i>	0.5	0.1	0.5	.	.	.	.	.	.	.	.	.
<i>Polygonatum hirtum</i>	0.5	0.5	.	0.5	0.5	.	0.1	.	.	.	.	.	.
<i>Aegopodium podagraria</i>	2.5	10	.	.	.	.	.	.	.
<i>Carex digitata</i>	10	.	2.5	.	.	.	.
<i>Carex humilis</i>	2.5	10	.
<i>Rosa pendulina</i>	10	2.5	.	.	.
<i>Dianthus carthusianorum</i>	2.5	5	.
<i>Laserpitium latifolium</i>	2.5	5	.	.	.
<i>Aster amellus</i>	2.5	2.5	.
<i>Fagus sylvatica</i>	2.5	.	.	.	2.5	.	.	.	.	.	.	.	.
<i>Galium lucidum</i>	2.5	2.5	.	.	.
<i>Thymus comosus</i>	2.5	2.5	.
<i>Artemisia campestris</i>	2.5	0.5	.
<i>Centaurea stoebe</i> subsp. <i>australis</i>	2.5	0.5	.
<i>Cotinus coggygria</i>	0.5	.	2.5	.	.
<i>Dianthus spiculifolius</i>	0.5	2.5	.	.
<i>Digitalis grandiflora</i>	0.5	2.5	.	.	.
<i>Hypericum perforatum</i>	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5
<i>Peucedanum</i> cf. <i>ruthenicum</i>	0.5	2.5	.	.	.
<i>Phleum phleoides</i>	0.5	2.5	.
<i>Prunella vulgaris</i>	2.5	.	.	.	.	.	.	.	.	0.5	.	.	.	.	.	.	.	.
<i>Reseda lutea</i>	2.5	0.5	.
<i>Stachys recta</i>	0.5	.	.	.	2.5
<i>Aremonia agrimonoides</i>	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	2.5	.	.
<i>Maianthemum bifolium</i>	0.1	2.5	.	.	.	.	.	.	.
<i>Sambucus nigra</i>	0.1	.	2.5	.	.	.	.
<i>Veronica officinalis</i>	0.1	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Asplenium ruta-muraria</i>	0.5	.	0.5	.	.
<i>Athyrium filix-femina</i>	0.5	.	0.5	.	.	.	.	.	.
<i>Campanula sibirica</i>	0.5	0.5	.
<i>Crepis foetida</i> subsp. <i>rhoeadifolia</i>	0.5	0.5	.
<i>Euphorbia cyparissias</i>	0.5	.	.	0.5
<i>Galeopsis spec.</i>	0.5	.	0.5	.	.	.	.	.
<i>Galium lucidum</i>	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5	.	.
<i>Geranium robertianum</i>	.	.	.	0.5	.	.	.	.	.	.	.	.	.	0.5	.	.	.	.
<i>Helianthemum nummularium</i>	0.5	0.5	.	.	.

Community group Plot name	Thermophilous deciduous forest					Mesic deciduous forest				Pine forest								
	IG1	IG2	IG3	IG4	ZM1	ZM2	ZM3	ZM4	ZM5	TM1	TM2	TM3	TM4	Dom1	Dom2	Dom3	Coz1	Coz2
<i>Hylotelephium spec.</i>	.	.	.	.	.	.	0.5	.	0.5	.	.	.	.	.	.	.	.	.
<i>Ligustrum vulgare</i>	.	.	.	.	.	.	0.5	.	.	.	.	0.5	.	.	.	.	.	.
<i>Lilium martagon</i>	.	.	.	.	.	.	.	.	.	0.5	0.5	.	.	.	.	.	.	.
<i>Silene viscaria</i>	.	.	.	.	.	.	0.5	.	0.5	.	.	.	.	.	.	.	.	.
<i>Melittis melissophyllum</i>	.	.	.	.	.	.	.	0.5	.	.	.	0.5	.	.	.	.	.	.
<i>Prunus spinosa</i>	.	.	.	.	.	.	0.5	.	0.5	.	.	.	.	.	.	.	.	.
<i>Rhamnus cathartica</i>	.	.	.	.	.	.	0.5	.	0.5	.	.	.	.	.	.	.	.	.
<i>Robinia pseudoacacia</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5	0.5
<i>Rosa arvensis</i>	.	.	.	0.5	.	.	.	.	.	.	.	0.5	.	.	.	.	.	.
<i>Campanula persicifolia</i>	0.1	.	.	.	.	.	.	.	.	.	.	.	.	0.5	.	.	.	.
<i>Arabidopsis arenosa</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5	.	.	.	0.1
<i>Corylus avellana</i>	.	.	0.1	.	.	.	.	.	.	0.5	.	.	.	.	.	.	.	.
<i>Dactylis glomerata</i>	0.5	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Digitalis ferruginea</i>	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5	.	.	.
<i>Pilosella bauhini</i>	0.1	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Silene coronaria</i>	0.1	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Scrophularia nodosa</i>	.	.	.	.	.	.	.	.	.	0.1	0.5	.	.	.	.	.	.	.
<i>Silene nutans</i>	.	.	.	.	.	.	.	.	.	.	.	.	0.1	.	.	.	.	0.5
<i>Stellaria holostea</i>	.	.	.	.	.	.	.	.	.	0.5	.	.	0.1	.	.	.	.	.
<i>Tilia platyphyllos</i>	.	.	.	.	.	0.5	.	.	.	0.1	.	.	.	.	.	.	.	.
<i>Torilis arvensis</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5	0.1	.
<i>Ulmus glabra</i>	.	.	.	.	.	.	.	.	.	.	0.1	0.5	.	.	.	.	.	.
<i>Viola hirta</i>	.	.	.	.	.	.	.	.	.	.	.	.	0.1	.	0.5	.	.	.
<i>Corylus colurna</i>	.	.	0.1	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Pinus nigra</i> var. <i>banatica</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	20	.	.	.
<i>Biscutella laevigata</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	10	.	.
<i>Holcus lanatus</i>	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Achillea crithmifolia</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.5
<i>Aira elegantissima</i>	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Odontarrhena muralis</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.5	.
<i>Aposeris foetida</i>	.	.	.	.	.	.	.	.	.	2.5	.	.	.	.	.	.	.	.
<i>Aegonychon purpurocaeruleum</i>	.	.	.	.	.	.	.	.	.	.	.	2.5	.	.	.	.	.	.
<i>Campanula trachelium</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.5	.	.	.
<i>Carex muricata</i> subsp. <i>pairae</i>	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Cornus mas</i>	.	.	.	.	.	.	.	.	.	.	.	2.5	.	.	.	.	.	.
<i>Epilobium angustifolium</i>	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2.5	.	.	.
<i>Schedonorus giganteus</i>	.	.	.	.	.	.	.	.	.	2.5	.	.	.	.	.	.	.	.

Community group Plot name	Thermophilous deciduous forest					Mesic deciduous forest				Pine forest								
	IG1	IG2	IG3	IG4	ZM1	ZM2	ZM3	ZM4	ZM5	TM1	TM2	TM3	TM4	Dom1	Dom2	Dom3	Coz1	Coz2
<i>Festuca heterophylla</i>	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Genista tinctoria</i>	0.5	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Geranium lucidum</i>	.	.	.	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Geranium phaeum</i>	2.5	.	.	.	.	.	.	.	.
<i>Helleborus odorus</i>	.	.	.	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Hieracium sabaudum</i>	.	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Iris ruthenica</i>	2.5	.	.	.	.	.	.
<i>Luzula multiflora</i>	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Luzula sylvatica</i>	2.5	.	.	.	.
<i>Oxalis acetosella</i>	2.5	.	.	.	.	.	.	.	.
<i>Paris quadrifolia</i>	2.5	.	.	.	.	.	.	.
<i>Piptatherum virescens</i>	.	.	.	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Poa compressa</i>	2.5
<i>Sedum cepaea</i>	2.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Seseli rigidum</i>	2.5	.	.	.
<i>Sesleria rigida</i>	2.5	.	.	.
<i>Trifolium arvense</i>	2.5
<i>Actaea spicata</i>	0.5	.	.	.	.	.	.	.	.
<i>Ajuga genevensis</i>	0.5	.	.	.	.
<i>Arenaria serpyllifolia</i>	0.5
<i>Asperula purpurea</i>	0.5	.	.	.	.
<i>Asplenium scolopendrium</i>	0.5	.	.	.	.
<i>Astragalus glycyphyllos</i>	0.5	.	.	.	.	.	.
<i>Bromopsis benekenii</i>	0.5	.	.	.	.	.	.
<i>Campanula glomerata</i>	0.5	.	.	.
<i>Cardamine graeca</i>	.	.	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Carex divulsa</i>	.	.	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Carex montana</i>	0.5	.	.	.	.	.	.
<i>Carlina vulgaris</i>	0.5
<i>Chaerophyllum temulum</i>	0.5	.	.	.	.	.	.
<i>Convallaria majalis</i>	0.5	.	.	.	.	.	.
<i>Erigeron canadensis</i>	0.5
<i>Cornus sanguinea</i> subsp. <i>hungarica</i>	0.5	.	.	.	.	.	.
<i>Dryopteris filix-mas</i>	0.5	.	.	.	.	.	.	.
<i>Epipactis purpurata</i>	0.5	.	.	.	.	.	.	.	.
<i>Epipactis spec.</i>	0.5	.	.	.	.	.	.
<i>Erysimum spec.</i>	0.5	.	.

Community group Plot name	Thermophilous deciduous forest					Mesic deciduous forest				Pine forest								
	IG1	IG2	IG3	IG4	ZM1	ZM2	ZM3	ZM4	ZM5	TM1	TM2	TM3	TM4	Dom1	Dom2	Dom3	Coz1	Coz2
<i>Euonymus verrucosa</i>	0.5	.	.	.	.	.	.
<i>Festuca pallens</i>	0.5
<i>Galium kitaibelianum</i>	0.5	.
<i>Galium spec.</i>	0.5	.	.	.	.	.
<i>Helianthemum canum</i>	0.5
<i>Hieracium murorum</i>	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Hieracium racemosum</i>	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Hieracium spec.</i>	0.5	.	.	.	.	.	.	.	.	.	.	.	.
<i>Hordelymus europaeus</i>	.	.	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Lysimachia nummularia</i>	0.5	.	.	.	.	.	.	.	.
<i>Malus dasyphylla</i>	0.5	.	.	.	.	.	.	.	.	.	.	.
<i>Melica nutans</i>	0.5	.	.	.	.	.	.	.	.
<i>Moehringia pendula</i>	0.5	.	.	.	.
<i>Moehringia trinervia</i>	.	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Myosotis arvensis</i>	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Orobanche alba</i>	0.5
<i>Poa angustifolia</i>	0.5	.	.	.	.
<i>Polygonatum multiflorum</i>	0.5	.	.	.	.	.	.	.	.
<i>Potentilla recta</i>	0.5
<i>Primula acaulis</i>	.	.	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Prunus cerasifera</i>	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Saxifraga marginata</i>	0.5	.	.	.
<i>Saxifraga rotundifolia</i>	0.5	.	.	.	.
<i>Sedum hispanicum</i>	0.5
<i>Seseli gracile</i>	0.5
<i>Seseli libanotis</i>	0.5	.	.	.
<i>Silene armeria</i>	0.5
<i>Sonchus asper</i>	0.5
<i>Sorbus domestica</i>	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Ulmus minor</i>	0.5	.	.	.	.	.	.
<i>Vicia sepium</i>	.	.	.	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Vinca minor</i>	0.5	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Viola spec.</i>	0.5	.	.	.	.	.	.	.	.	.	.	.	.
<i>Achnatherum calamagrostis</i>	0.1	.	.	.	.
<i>Calystegia spec.</i>	.	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Chenopodium spec.</i>	0.1
<i>Clematis recta</i>	0.1	.	.	.	.

Community group Plot name	Thermophilous deciduous forest					Mesic deciduous forest				Pine forest								
	IG1	IG2	IG3	IG4	ZM1	ZM2	ZM3	ZM4	ZM5	TM1	TM2	TM3	TM4	Dom1	Dom2	Dom3	Coz1	Coz2
<i>Diplotaxis muralis</i>	0.1
<i>Dryopteris carthusiana</i>	0.1	.	.	.	.	.	.	.
<i>Hypericum hirsutum</i>	0.1	.	.	.	.	.	.	.	.
<i>Hypericum montanum</i>	0.1	.	.	.	.
<i>Inula ensifolia</i>	0.1
<i>Lappula squarrosa</i>	0.1	.
<i>Lapsana communis</i>	0.1	.	.	.	.	.	.	.	.
<i>Populus tremula</i>	0.1	.	.	.	.
<i>Prunus mahaleb</i>	.	.	.	0.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Scabiosa ochroleuca</i>	0.1	.
<i>Silene nemoralis</i>	0.1	.	.	.	.
<i>Solidago virgaurea</i>	0.1	.	.	.	.
<i>Symphytum tuberosum</i>	0.1	.	.	.	.	.
<i>Tanacetum corymbosum</i>	0.1	.	.	.	.	.
<i>Vicia spec.</i>	0.1	.	.	.	.	.	.	.	.
<i>Vincetoxicum hirundinaria</i>	0.1	.	.	.	.	.