

Supplementary Material

Tab. S1 - Phytosociological table of the relevés performed in aspen stands of Gargano (*Stellario holostea*-*Populetum tremulae* ass. nova *hoc loco*). Species are grouped according to their eco-coenotic preference and ordered decreasingly by their occurrences.

Relevé ID (*)	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10
Elevation (m)	960	995	989	735	1013	700	501	636	608	564
Terrain aspect	-	-	-	-	-	-	SE	NE	SW	-
Terrain slope (degrees)	0	0	0	0	0	0	10	10	10	5
Overall vegetation cover (%)	90	90	100	100	80	80	100	90	90	90
Plot area (m ²)	100	100	400	400	100	400	200	400	200	200
Diagnostic species										
<i>Stellaria holostea</i>	+	.	+	1	.	2	1	1	2	.
<i>Carex depauperata</i>	+	.	.	.	.	+	+	+	.	.
Character species of <i>Aceri obtusati</i> - <i>Populion tremulae</i>										
<i>Acer obtusatum</i>	.	.	.	.	+	+	.	.	1	+
Character species of <i>Corylo - Populion tremulae</i>										
<i>Corylus avellana</i>	.	.	.	.	.	.	1	.	.	.
<i>Sorbus torminalis</i>	.	.	.	.	.	.	.	.	+	.
Character species of <i>Betulo pendulae - Populetales tremulae</i>										
<i>Populus tremula</i>	4	4	4	4	4	4	5	4	4	4
Character species of <i>Fagetalia</i>										
<i>Euphorbia amygdaloides</i>	+	.	2	+	1	1	+	1	1	.
<i>Pulmonaria vallisarsae</i>	+	.	.	1	.	1	+	1	1	.
<i>Anemone apennina</i>	.	.	+	.	+	1	2	1	.	.
<i>Daphne laureola</i>	.	.	+	+	1	+	.	+	.	.
<i>Allium pendulinum</i>	.	.	.	+	.	+	+	+	.	.
<i>Sanicula europaea</i>	.	.	.	+	2	.	1	+	.	.
<i>Melica uniflora</i>	.	.	.	+	.	.	1	.	2	.
<i>Neottia nidus-avis</i>	.	.	.	.	.	+	.	+	.	.
<i>Drymochloa drymeja</i> ssp. <i>exaltata</i>	.	.	.	.	.	.	+	+	.	.
<i>Cardamine bulbifera</i>	.	.	.	.	.	.	+	.	+	.
<i>Euonymus europaeus</i>	.	.	.	.	.	.	+	.	+	.
<i>Lathyrus venetus</i>	.	.	.	.	.	.	1	.	2	.
<i>Ornithogalum pyrenaicum</i>	.	.	.	.	.	.	+	+	.	.

Relevé ID (*)	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10
<i>Carpinus betulus</i>	.	.	.	.	.	.	1	.	.	.
<i>Corydalis cava</i>	.	.	.	.	.	.	+	.	.	.
<i>Galium odoratum</i>	.	.	.	.	.	.	.	.	+	.
<i>Polygonatum multiflorum</i>	.	.	.	.	.	.	.	.	+	.
Character species of <i>Quercetalia pubescenti-petraeae</i>										
<i>Buglossoides purpureocaerulea</i>	.	.	+	+	3	+	.	.	+	.
<i>Quercus cerris</i>	.	.	.	+	.	.	.	+	+	+
<i>Lathyrus niger</i>	.	+	.	.	.	.	.	+	.	+
<i>Ostrya carpinifolia</i>	.	.	.	.	.	+	.	.	+	+
<i>Fraxinus ornus</i>	.	.	.	.	.	+	.	.	.	+
<i>Digitalis micrantha</i>	.	.	.	.	.	+	.	.	.	.
<i>Potentilla micrantha</i>	.	.	.	.	.	+	.	.	.	.
<i>Cornus mas</i>	.	.	.	.	.	.	.	.	+	.
<i>Physospermum verticillatum</i>	.	.	.	.	.	.	.	.	+	.
<i>Ruscus aculeatus</i>	.	.	.	.	.	.	.	.	+	.
<i>Scutellaria columnae</i>	.	.	.	.	.	.	.	.	+	.
<i>Teucrium siculum</i>	.	.	.	.	.	.	.	.	+	.
Character species of <i>Querco-Fagetea</i>										
<i>Hedera helix</i>	.	.	+	1	1	2	1	2	1	+
<i>Aremonia agrimonoides</i>	+	.	.	+	1	+	.	.	.	+
<i>Lonicera xylosteum</i>	.	.	+	.	.	.	+	+	+	+
<i>Brachypodium sylvaticum</i>	.	.	.	1	+	.	.	.	.	2
<i>Viola reichenbachiana</i>	.	.	.	+	.	.	1	.	.	+
<i>Acer campestre</i>	.	.	.	.	.	.	+	.	.	+
<i>Stachys sylvatica</i>	.	.	.	.	.	.	+	.	+	.
<i>Silene latifolia</i>	.	.	+	.	.	.	.	.	.	.
<i>Festuca heterophylla</i>	.	.	.	+	.	.	.	.	.	.
Other species										
<i>Geum urbanum</i>	1	1	+	1	+	1	+	1	+	1
<i>Pteridium aquilinum</i>	4	4	3	3	2	1	.	3	1	1
<i>Fragaria vesca</i>	1	1	2	2	1	1	1	1	+	.
<i>Rubus caesius</i>	+	+	1	1	.	1	+	1	2	2
<i>Cruciata glabra</i>	1	1	+	+	+	+	+	1	.	+
<i>Crataegus monogyna</i>	+	1	1	+	+	+	.	1	+	.
<i>Poa trivialis</i>	1	1	1	.	+	1	+	1	.	+
<i>Tamus communis</i>	.	.	+	+	2	1	+	2	+	+
<i>Vicia cassubica</i>	+	+	.	.	+	+	+	+	+	+
<i>Luzula forsteri</i>	+	.	1	.	+	+	.	+	1	+

Relevé ID (*)	SP01	SP02	SP03	SP04	SP05	SP06	SP07	SP08	SP09	SP10
<i>Dactylis glomerata</i>	+	+	+	.	+	.	.	+	.	1
<i>Trifolium pratense</i>	+	+	.	.	+	+	.	+	.	+
<i>Rosa canina</i>	.	+	+	+	+	+	.	.	.	+
<i>Clinopodium vulgare</i>	.	+	+	+	+	.	.	1	.	1
<i>Lilium bulbiferum</i>	.	.	.	+	+	+	+	.	+	+
<i>Geranium sanguineum</i>	1	+	+	+	+	.	.	.	.	.
<i>Lathyrus pratensis</i>	+	+	.	.	1	+	.	+	.	.
<i>Astragalus glycyphyllos</i>	.	1	+	.	.	+	.	1	.	+
<i>Geranium robertianum</i>	.	.	.	+	+	+	.	+	+	.
<i>Myosotis sylvatica</i>	.	.	.	+	+	+	+	1	.	.
<i>Rubus ulmifolius</i>	.	.	.	.	.	+	+	+	+	+
<i>Aristolochia pallida</i>	1	1	.	.	.	+	.	+	.	.
<i>Peucedanum oreoselinum</i>	+	.	+	+	.	.	.	+	.	.
<i>Ranunculus bulbosus</i>	+	.	+	+	.	.	.	+	.	.
<i>Poa pratensis</i>	.	+	.	+	.	+	.	+	.	.
<i>Bromus ramosus</i>	.	.	+	+	.	.	+	.	+	.
<i>Platanthera chlorantha</i>	.	.	+	.	+	+	.	+	.	.
<i>Viola alba</i>	.	.	.	+	.	.	1	1	+	.
<i>Rumex acetosa</i>	+	.	.	1	.	.	.	+	.	.
<i>Origanum vulgare</i>	.	+	.	.	.	.	.	+	.	1
<i>Silene italica</i>	.	.	+	.	+	.	.	+	.	.
<i>Coeloglossum viride</i>	.	.	+	.	.	.	.	+	+	.
<i>Lactuca muralis</i>	.	.	.	+	+	.	+	.	.	.
<i>Thalictrum aquilegifolium</i>	.	.	.	1	.	.	.	+	+	.
<i>Geranium lucidum</i>	.	.	.	.	+	+	2	.	.	.
<i>Colchicum neapolitanum</i>	.	.	.	.	+	+	.	+	.	.
<i>Cyanus triumfettii</i>	+	+	.	.	.	.	.	.	.	.
<i>Anemone hortensis</i>	+	.	+	.	.	.	.	.	.	.
<i>Listera ovata</i>	+	.	.	.	.	+	.	.	.	.
<i>Galium aparine</i>	+	.	.	.	.	.	.	1	.	.
<i>Dactylorhiza sambucina</i>	+	.	.	.	.	.	.	+	.	.
<i>Agrimonia eupatoria</i>	.	+	.	.	.	.	.	.	.	+
<i>Narcissus poeticus</i>	.	.	+	+	.	.	.	.	.	.
<i>Veronica officinalis</i>	.	.	.	+	.	+	.	.	.	.
<i>Alliaria petiolata</i>	.	.	.	+	.	.	.	+	.	.
<i>Dactylorhiza maculata</i>	.	.	.	+	.	.	.	+	.	.
<i>Castanea sativa</i>	.	.	.	.	.	+	.	.	1	.
<i>Agrostis stolonifera</i>	.	.	.	.	.	+	.	.	.	+
<i>Moehringia trinervia</i>	.	.	.	.	.	.	+	.	+	.
<i>Chaerophyllum temulum</i>	.	.	.	.	.	.	.	.	+	+

(*) The **holotype** of *Stellario holosteae-Populetum tremulae* is the relevé SP08.

Species occurring in only one relevé: *Anthoxanthum odoratum* (+, SP10), *Arrhenatherum elatius* (1, SP02), *Arum italicum* (+, SP07), *Calamagrostis epigejos* (+, SP10), *Centaurium erythraea* (+, SP10), *Clematis vitalba* (+, SP10), *Daucus carota* (+, SP10), *Filipendula vulgaris* (+, SP02), *Geranium lanuginosum* (+, SP10), *Holcus lanatus* (+, SP10), *Hypericum perforatum* (+, SP04), *Inula conyza* (+, SP10), *Juglans regia* (+, SP10), *Lamium maculatum* (+, SP09), *Lathyrus sylvestris* (+, SP10), *Leopoldia comosa* (+, SP10), *Ligustrum vulgare* (+, SP07), *Lonicera caprifolium* (+, SP10), *Luzula campestris* (+, SP02), *Malus sylvestris* (+, SP02), *Medicago lupulina* (+, SP05), *Mespilus germanica* (+, SP04), *Picris hieracioides* (+, SP10), *Prunella vulgaris* (+, SP07), *Stellaria media* (+, SP07), *Urtica dioica* (+, SP06).

Localities of relevés: SP01 - Coppa l'Arena; SP02 - Monte Nero; SP03 - Monte Nero; SP04 - Codino di Pulla; SP05 - Monte Nero; SP06 - Fajarama; SP07 - Pescone; SP08 - Poggio Formicoso; SP09 - Poggio Formicoso; SP10 - Falcare.

Timing of floristic inventories: June 2014.

Tab. S2 - Synoptic table of aspen forest types distinguished in the central-southern Apennines (SP: *Stellario holostea*-*Populetum tremulae*; HP: *Holcus mollis*-*Populetum tremulae*; GP: *Geranium versicoloris*-*Populetum tremulae*; MP: *Melico uniflorae*-*Populetum tremulae*; FP: *Fraxino ornitho*-*Populetum tremulae*). The numbers represent species percentages of occurrence. The differential species of each aspen forest type (listed first) were selected based on the following criteria: point biserial correlation coefficient (r.g) larger than 0.5 and significant at 1% alpha probability; frequency in the target community type at least twice larger than any of the same species frequencies observed in the other types. The rest of species are listed decreasingly by their presence/frequencies in the five aspen forest types.

Aspen forest type	SP	HP	GP	MP	FP
Number of relevés	10	4	10	10	11
Differential species					
<i>Vicia cassubica</i>	80	0	0	0	0
<i>Stellaria holostea</i>	70	0	0	0	0
<i>Allium pendulinum</i>	40	0	0	0	0
<i>Aristolochia pallida</i>	40	0	0	0	0
<i>Carex depauperata</i>	40	0	0	0	0
<i>Peucedanum oreoselinum</i>	40	0	0	0	0
<i>Poa pratensis</i>	40	0	0	0	0
<i>Poa trivialis</i>	80	0	20	0	0
<i>Myosotis sylvatica</i>	50	0	10	0	0
<i>Luzula forsteri</i>	70	0	10	30	0
<i>Cruciata glabra</i>	90	0	10	30	9
<i>Holcus mollis</i>	0	100	0	0	0
<i>Quercus virgiliana</i>	0	75	0	0	0
<i>Pyrus pyraster</i>	0	75	0	0	0
<i>Asphodeline liburnica</i>	0	50	0	0	0
<i>Bryonia dioica</i>	0	50	0	0	0
<i>Crepis leontodontoides</i>	0	50	0	0	0
<i>Poa sylvicola</i>	0	50	0	0	0
<i>Rosa</i> sp.	0	50	0	0	0
<i>Anthriscus nemorosa</i>	0	50	0	0	0
<i>Vicia</i> sp.	0	50	0	0	0
<i>Aristolochia lutea</i>	0	75	10	0	0
<i>Silene latifolia</i>	10	75	10	10	0
<i>Agrimonia eupatoria</i>	20	75	0	0	9
<i>Geranium versicolor</i>	0	0	70	0	0
<i>Lapsana communis</i>	0	0	50	0	0
<i>Ilex aquifolium</i>	0	0	40	0	0
<i>Polygonatum multiflorum</i>	10	0	90	30	0
<i>Poa nemoralis</i>	0	0	0	90	0

Aspen forest type	SP	HP	GP	MP	FP
<i>Salix caprea</i>	0	0	0	80	0
<i>Solidago virgaurea</i>	0	0	0	70	0
<i>Rosa dumalis</i>	0	0	0	70	0
<i>Geranium nodosum</i>	0	0	0	60	0
<i>Campanula persicifolia</i>	0	0	0	50	0
<i>Sorbus aria</i>	0	0	0	50	0
<i>Sorbus aucuparia</i>	0	0	0	40	0
<i>Heracleum sphondylium</i> ssp. <i>ternatum</i>	0	0	0	40	0
<i>Viburnum lantana</i>	0	0	0	50	9
<i>Cephalanthera longifolia</i>	0	0	0	50	9
<i>Campanula trachelium</i>	0	0	40	70	0
<i>Salvia glutinosa</i>	0	0	0	80	45
<i>Euphorbia dulcis</i>	0	0	0	60	18
<i>Aegopodium podagraria</i>	0	0	10	70	9
<i>Dactylorhiza maculata</i>	20	0	0	90	9
<i>Lactuca muralis</i>	30	0	20	70	0
<i>Potentilla micrantha</i>	10	0	10	60	0
<i>Primula acaulis</i>	0	0	40	80	18
<i>Bromus ramosus</i>	40	25	10	80	0
<i>Viola reichenbachiana</i>	30	25	40	100	27
<i>Genista tinctoria</i>	0	0	0	0	45
<i>Rosa agrestis</i>	0	0	10	0	73
<i>Ligustrum vulgare</i>	10	0	0	0	45
<i>Juniperus communis</i>	0	0	20	10	55
Other species					
<i>Populus tremula</i>	100	100	100	100	100
<i>Pteridium aquilinum</i>	90	100	80	90	55
<i>Fragaria vesca</i>	90	100	60	100	27
<i>Brachypodium sylvaticum</i>	30	100	70	60	45
<i>Clematis vitalba</i>	10	100	30	100	64
<i>Crataegus monogyna</i>	80	75	30	70	27
<i>Hedera helix</i>	80	50	40	60	27
<i>Castanea sativa</i>	20	100	30	50	55
<i>Festuca heterophylla</i>	10	75	70	70	18
<i>Quercus cerris</i>	40	100	60	10	9
<i>Ostrya carpinifolia</i>	30	25	30	30	64
<i>Viola alba</i>	40	25	10	10	27
<i>Digitalis micrantha</i>	10	50	30	10	9
<i>Galium odoratum</i>	10	25	30	10	18

Aspen forest type	SP	HP	GP	MP	FP
<i>Geum urbanum</i>	100	100	60	80	0
<i>Euphorbia amygdaloides</i>	80	0	60	100	27
<i>Clinopodium vulgare</i>	60	100	40	50	0
<i>Tamus communis</i>	80	0	80	60	18
<i>Acer obtusatum</i>	40	0	90	60	45
<i>Daphne laureola</i>	50	0	70	70	36
<i>Melica uniflora</i>	30	0	60	100	36
<i>Aremonia agrimonoides</i>	50	25	70	40	0
<i>Rosa canina</i>	60	25	30	70	0
<i>Corylus avellana</i>	10	0	30	90	55
<i>Astragalus glycyphyllos</i>	50	50	30	50	0
<i>Sanicula europaea</i>	40	0	30	80	18
<i>Lilium bulbiferum</i>	60	0	40	40	18
<i>Fraxinus ornus</i>	20	0	70	10	55
<i>Pulmonaria vallisarsae</i>	60	0	40	30	9
<i>Symphytum tuberosum</i>	0	50	20	60	9
<i>Brachypodium rupestre</i>	0	50	10	40	9
<i>Lonicera caprifolium</i>	10	0	30	60	9
<i>Galium aparine</i>	20	25	30	30	0
<i>Silene italica</i>	30	25	10	40	0
<i>Cardamine bulbifera</i>	20	0	10	40	9
<i>Euonymus europaeus</i>	20	0	10	10	18
<i>Dactylis glomerata</i>	60	75	30	0	0
<i>Geranium robertianum</i>	50	50	50	0	0
<i>Thalictrum aquilegifolium</i>	30	0	70	40	0
<i>Trifolium pratense</i>	60	50	30	0	0
<i>Rubus canescens</i>	0	75	10	0	55
<i>Lathyrus venetus</i>	20	0	50	60	0
<i>Chaerophyllum temulum</i>	20	75	20	0	0
<i>Rubus hirtus</i>	0	25	50	40	0
<i>Anemone apennina</i>	50	50	10	0	0
<i>Acer campestre</i>	20	0	0	50	36
<i>Rubus ulmifolius</i>	50	0	20	30	0
<i>Rosa arvensis</i>	0	25	20	50	0
<i>Prunus spinosa</i>	0	25	0	50	18
<i>Geranium sanguineum</i>	50	25	10	0	0
<i>Scutellaria columnae</i>	10	25	50	0	0
<i>Sorbus torminalis</i>	10	0	50	0	18
<i>Hypericum perforatum</i>	10	50	0	10	0
<i>Neottia nidus-avis</i>	20	0	10	40	0
<i>Platanthera chlorantha</i>	40	0	10	20	0
<i>Euonymus latifolius</i>	0	0	10	50	9

Aspen forest type	SP	HP	GP	MP	FP
<i>Lathyrus pratensis</i>	50	0	10	0	9
<i>Lathyrus sylvestris</i>	10	50	0	0	9
<i>Platanthera bifolia</i>	0	0	40	20	9
<i>Chamaecytisus hirsutus</i>	0	0	10	40	18
<i>Teucrium chamaedrys</i>	0	25	30	0	9
<i>Carpinus betulus</i>	10	0	0	10	36
<i>Malus sylvestris</i>	10	25	20	0	0
<i>Urtica dioica</i>	10	0	20	20	0
<i>Lonicera etrusca</i>	0	0	10	30	9
<i>Teucrium siculum</i>	10	0	0	10	27
<i>Ruscus aculeatus</i>	10	0	10	0	18
<i>Cephalanthera damasonium</i>	0	0	10	10	9
<i>Rubus caesius</i>	90	0	0	80	0
<i>Prunus avium</i>	0	0	0	90	73
<i>Fagus sylvatica</i>	0	0	60	50	0
<i>Cornus sanguinea</i>	0	0	0	50	55
<i>Buglossoides purpureocaerulea</i>	50	0	50	0	0
<i>Ranunculus lanuginosus</i>	0	0	40	60	0
<i>Origanum vulgare</i>	30	50	0	0	0
<i>Lonicera xylosteum</i>	50	0	0	20	0
<i>Moehringia trinervia</i>	20	0	0	50	0
<i>Achillea ligustica</i>	0	50	10	0	0
<i>Ajuga reptans</i>	0	0	30	30	0
<i>Epilobium montanum</i>	0	0	20	40	0
<i>Galium album</i>	0	50	0	10	0
<i>Rumex acetosa</i>	30	0	30	0	0
<i>Valeriana officinalis</i>	0	0	40	20	0
<i>Veronica chamaedrys</i>	0	0	40	20	0
<i>Vicia sepium</i>	0	0	30	30	0
<i>Clinopodium grandiflorum</i>	0	25	30	0	0
<i>Ptilostemon strictus</i>	0	25	30	0	0
<i>Listera ovata</i>	20	0	0	30	0
<i>Ranunculus bulbosus</i>	40	0	0	10	0
<i>Stachys sylvatica</i>	20	0	0	30	0
<i>Hepatica nobilis</i>	0	0	0	40	9
<i>Acer lobelii</i>	0	25	20	0	0
<i>Rubus idaeus</i>	0	0	20	20	0
<i>Cytisophyllum sessilifolius</i>	0	0	30	0	9
<i>Hypericum montanum</i>	0	0	0	30	9
<i>Torilis japonica</i>	0	0	30	0	9
<i>Ornithogalum pyrenaicum</i>	20	0	0	0	18
<i>Laburnum anagyroides</i>	0	0	0	10	27

Aspen forest type	SP	HP	GP	MP	FP
<i>Alnus cordata</i>	0	25	10	0	0
<i>Asphodelus microcarpus</i>	0	25	10	0	0
<i>Medicago lupulina</i>	10	25	0	0	0
<i>Prunella vulgaris</i>	10	25	0	0	0
<i>Acer pseudoplatanus</i>	0	0	10	20	0
<i>Alliaria petiolata</i>	20	0	10	0	0
<i>Cephalanthera rubra</i>	0	0	10	20	0
<i>Drymochloa drymeja</i> ssp. <i>exaltata</i>	20	0	10	0	0
<i>Luzula sylvatica</i>	0	0	20	10	0
<i>Tilia platyphyllos</i>	0	0	10	20	0
<i>Carex flacca</i>	0	0	0	20	9
<i>Epipactis helleborine</i>	0	0	0	20	9
<i>Hieracium lachenalii</i>	0	0	10	0	18
<i>Hippocrepis emerus</i> ssp. <i>emeroides</i>	0	0	10	0	18
<i>Corydalis cava</i>	10	0	0	10	0
<i>Crataegus laevigata</i>	0	0	10	10	0
<i>Inula conyza</i>	10	0	0	10	0
<i>Lamium maculatum</i>	10	0	0	10	0
<i>Melittis melissophyllum</i>	0	0	10	10	0
<i>Stellaria media</i>	10	0	10	0	0
<i>Cornus mas</i>	10	0	0	0	9
<i>Euonymus verrucosus</i>	0	0	10	0	9
<i>Sesleria autumnalis</i>	0	0	10	0	9
<i>Stachys officinalis</i>	0	0	10	0	9
<i>Tanacetum corymbosum</i>	0	0	0	10	9
<i>Anemone nemorosa</i>	0	0	0	30	0
<i>Asperula taurina</i>	0	0	30	0	0
<i>Coeloglossum viride</i>	30	0	0	0	0
<i>Colchicum neapolitanum</i>	30	0	0	0	0
<i>Genista germanica</i>	0	0	0	30	0
<i>Geranium lucidum</i>	30	0	0	0	0
<i>Hieracium sylvaticum</i>	0	0	0	30	0
<i>Lathyrus niger</i>	30	0	0	0	0
<i>Milium effusum</i>	0	0	30	0	0
<i>Ranunculus ficaria</i>	0	0	0	30	0
<i>Trifolium rubens</i>	0	0	0	30	0
<i>Vicia sativa</i>	0	0	30	0	0
<i>Carpinus orientalis</i>	0	0	0	0	27
<i>Lathyrus vernus</i>	0	0	0	0	27
<i>Pyracantha coccinea</i>	0	0	0	0	27
<i>Quercus pubescens</i>	0	0	0	0	27
<i>Arabis sagittata</i>	0	25	0	0	0

Aspen forest type	SP	HP	GP	MP	FP
<i>Asphodeline lutea</i>	0	25	0	0	0
<i>Carex spicata</i>	0	25	0	0	0
<i>Echinops siculus</i>	0	25	0	0	0
<i>Koeleria splendens</i>	0	25	0	0	0
<i>Lolium perenne</i>	0	25	0	0	0
<i>Phleum ambiguum</i>	0	25	0	0	0
<i>Poa annua</i>	0	25	0	0	0
<i>Scabiosa holosericea</i>	0	25	0	0	0
<i>Adenostyles australis</i>	0	0	0	20	0
<i>Agropyron caninum</i>	0	0	0	20	0
<i>Agrostis stolonifera</i>	20	0	0	0	0
<i>Anemone hortensis</i>	20	0	0	0	0
<i>Aquilegia vulgaris</i>	0	0	0	20	0
<i>Arabis glabra</i>	0	0	0	20	0
<i>Campanula glomerata</i>	0	0	0	20	0
<i>Carex sylvatica</i>	0	0	0	20	0
<i>Cyanus triumfettii</i>	20	0	0	0	0
<i>Cyclamen repandum</i>	0	0	0	20	0
<i>Cytisus scoparius</i>	0	0	20	0	0
<i>Dactylorhiza sambucina</i>	20	0	0	0	0
<i>Elaeoselinum asclepium</i>	0	0	20	0	0
<i>Epilobium angustifolium</i>	0	0	0	20	0
<i>Euphorbia coralliodes</i>	0	0	20	0	0
<i>Laserpitium garganicum</i>	0	0	20	0	0
<i>Narcissus poeticus</i>	20	0	0	0	0
<i>Peucedanum verticillare</i>	0	0	0	20	0
<i>Prenanthes purpurea</i>	0	0	0	20	0
<i>Primula veris</i>	0	0	0	20	0
<i>Pyrus communis</i>	0	0	20	0	0
<i>Saxifraga rotundifolia</i>	0	0	0	20	0
<i>Scilla bifolia</i>	0	0	0	20	0
<i>Silene dioica</i>	0	0	0	20	0
<i>Silene viridiflora</i>	0	0	20	0	0
<i>Stellaria nemorum</i>	0	0	0	20	0
<i>Veronica montana</i>	0	0	0	20	0
<i>Veronica officinalis</i>	20	0	0	0	0
<i>Carex digitata</i>	0	0	0	0	18
<i>Centaurea nigrescens</i>	0	0	0	0	18
<i>Melampyrum nemorosum</i>	0	0	0	0	18
<i>Rubia peregrina</i>	0	0	0	0	18
<i>Salix apennina</i>	0	0	0	0	18
<i>Ulmus minor</i>	0	0	0	0	18

Aspen forest type	SP	HP	GP	MP	FP
<i>Vicia dumetorum</i>	0	0	0	0	18
<i>Abies alba</i>	0	0	10	0	0
<i>Adoxa moscatellina</i>	0	0	0	10	0
<i>Anthoxanthum odoratum</i>	10	0	0	0	0
<i>Arctium lappa</i>	0	0	10	0	0
<i>Arrhenatherum elatius</i>	10	0	0	0	0
<i>Arum italicum</i>	10	0	0	0	0
<i>Asphodelus albus</i>	0	0	10	0	0
<i>Asphodelus macrocarpus</i>	0	0	10	0	0
<i>Calamagrostis epigeios</i>	10	0	0	0	0
<i>Centaurium erythraea</i>	10	0	0	0	0
<i>Colchicum lusitanum</i>	0	0	10	0	0
<i>Coronilla varia</i>	0	0	10	0	0
<i>Cruciata laevipes</i>	0	0	10	0	0
<i>Cystopteris fragilis</i>	0	0	10	0	0
<i>Daphne mezereum</i>	0	0	0	10	0
<i>Daucus carota</i>	10	0	0	0	0
<i>Epipactis meridionalis</i>	0	0	10	0	0
<i>Equisetum telmateja</i>	0	0	0	10	0
<i>Fallopia convolvulus</i>	0	0	10	0	0
<i>Filipendula vulgaris</i>	10	0	0	0	0
<i>Galanthus nivalis</i>	0	0	0	10	0
<i>Galium lucidum</i>	0	0	10	0	0
<i>Geranium dissectum</i>	0	0	10	0	0
<i>Geranium lanuginosum</i>	10	0	0	0	0
<i>Geranium purpureum</i>	0	0	10	0	0
<i>Geranium sylvaticum</i>	0	0	0	10	0
<i>Holcus lanatus</i>	10	0	0	0	0
<i>Hypericum hirsutum</i>	0	0	0	10	0
<i>Juglans regia</i>	10	0	0	0	0
<i>Knautia drymeia</i>	0	0	0	10	0
<i>Lamium flexuosum</i>	0	0	10	0	0
<i>Lathyrus grandiflorus</i>	0	0	10	0	0
<i>Lathyrus odoratus</i>	0	0	10	0	0
<i>Leopoldia comosa</i>	10	0	0	0	0
<i>Luzula campestris</i>	10	0	0	0	0
<i>Mespilus germanica</i>	10	0	0	0	0
<i>Oenanthe pimpinelloides</i>	0	0	10	0	0
<i>Opopanax chironium</i>	0	0	10	0	0
<i>Paris quadrifolia</i>	0	0	0	10	0
<i>Petasites hybridus</i>	0	0	0	10	0
<i>Peucedanum sp.</i>	0	0	10	0	0

Aspen forest type	SP	HP	GP	MP	FP
<i>Peucedanum venetum</i>	0	0	0	10	0
<i>Physospermum verticillatum</i>	10	0	0	0	0
<i>Picris hieracioides</i>	10	0	0	0	0
<i>Pimpinella major</i>	0	0	0	10	0
<i>Polygala nicaeensis</i>	0	0	10	0	0
<i>Polygonatum odoratum</i>	0	0	10	0	0
<i>Polygonatum verticillatum</i>	0	0	0	10	0
<i>Polypodium interjectum</i>	0	0	10	0	0
<i>Pseudoturritis turrita</i>	0	0	10	0	0
<i>Rosa villosa</i>	0	0	10	0	0
<i>Rumex</i> sp.	0	0	10	0	0
<i>Scabiosa columbaria</i>	0	0	10	0	0
<i>Senecio fuchsii</i>	0	0	0	10	0
<i>Sesleria nitida</i>	0	0	0	10	0
<i>Smyrniium perfoliatum</i>	0	0	10	0	0
<i>Stachys recta</i>	0	0	10	0	0
<i>Thymus pulegioides</i>	0	0	10	0	0
<i>Trifolium montanum</i>	0	0	10	0	0
<i>Vaccinium myrtillus</i>	0	0	0	10	0
<i>Vicia incana</i>	0	0	10	0	0
<i>Arbutus unedo</i>	0	0	0	0	9
<i>Calamintha nepeta</i>	0	0	0	0	9
<i>Colutea arborescens</i>	0	0	0	0	9
<i>Cotoneaster nebrodensis</i>	0	0	0	0	9
<i>Cyclamen hederifolium</i>	0	0	0	0	9
<i>Gymnadenia odoratissima</i>	0	0	0	0	9
<i>Lilium martagon</i>	0	0	0	0	9
<i>Ruscus hypoglossum</i>	0	0	0	0	9
<i>Smilax aspera</i>	0	0	0	0	9
<i>Sorbus domestica</i>	0	0	0	0	9
<i>Viburnum tinus</i>	0	0	0	0	9

Source of releves:

Stellario-Populetum tremulae (inedit, this paper)

Holco mollis-Populetum tremulae: Table 4 in Rosati *et al.* (2010);

Geranio versicoloris-Populetum tremulae: Table 7 in Fascetti *et al.* (2013).

Melico uniflorae-Populetum tremulae: Table 1 in Pedrotti (1995) and page 716 in Pirone *et al.* (2010);

Fraxino orni-Populetum tremulae: Table 3 in Taffetani (2000) and page 717 in Pirone *et al.* (2010).

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