

**Lepší M., Lepší P., Sádlo J., Koutecký P., Vít P. & Petřík P. (2013): *Sorbus pauca* species nova, the first endemic species of the *Sorbus hybrida* group for the Czech Republic. – Preslia 85: 63–80.**

Electronic Appendix 1. – Phytosociological relevés with *Sorbus pauca*.

Relevé number	1	2	3	4	5	6	7	8	9
Area (m <sup>2</sup> )	20	20	9	16	8	16	25	21	21
Altitude (m a.s.l.)	460	450	450	440	450	550	560	550	580
Aspect	S	S	SE	SE	SSE	NWW	EES	EES	NE
Slope (°)	30	90	80	80	80	80	90	90	20
Cover E <sub>2</sub> (%)	40	0	0	0	0	5	10	20	10
Cover E <sub>1</sub> (%)	60	30	10	15	5	5	8	10	50
Cover E <sub>0</sub> (%)	0	5	5	5	1	10	5	5	3
<b>E<sub>2</sub> – shrub layer</b>									
<i>Sorbus pauca</i>	2	.	.	.	.	.	.	2	1
<i>Cotoneaster integerrimus</i>	.	.	.	.	.	.	1	2	1
<i>Rosa canina</i> agg.	2	.	.	.	.	.	.	1	.
<i>Betula pendula</i>	.	.	.	.	.	1	1	.	.
<i>Crataegus ×fallacina</i>	.	.	.	.	.	.	1	2	.
<b>E<sub>1</sub> – herb layer</b>									
<i>Campanula rotundifolia</i> agg.	+	+	1	1	+	+	+	+	1
<i>Vincetoxicum hirundinaria</i>	3	1	+	1	+	.	1	1	1
<i>Sorbus pauca</i>	.	1	2	1	1	+	+	.	.
<i>Galium glaucum</i>	.	1	+	+	+	.	+	.	r
<i>Hieracium schmidtii</i>	.	+	.	r	+	.	+	+	r
<i>Euphorbia cyparissias</i>	.	.	r	+	+	.	+	+	+
<i>Festuca pallens</i>	.	1	.	1	1	.	1	1	.
<i>Anthericum ramosum</i>	.	1	+	1	+	.	.	.	.
<i>Thymus praecox</i>	.	1	+	+	+	.	.	.	.
<i>Polygonatum odoratum</i>	.	.	.	.	+	.	+	+	+
<i>Calluna vulgaris</i>	.	+	r	.	.	1	.	.	.
<i>Danthonia decumbens</i>	.	+	.	+	r	.	.	.	.
<i>Centaurea stoebe</i>	.	+	.	r	.	.	+	.	.
<i>Cardaminopsis</i> sp.	.	.	.	.	.	.	1	+	+
<i>Calamagrostis varia</i>	2	.	.	.	.	.	.	.	1
<i>Viola riviniana</i>	r	+	.	.	.	.	.	.	.
<i>Leontodon hispidus</i>	.	+	.	r	.	.	.	.	.
<i>Asplenium ruta-muraria</i>	.	+	.	.	r	.	.	.	.
<i>Polygala vulgaris</i>	.	r	.	r	.	.	.	.	.
<i>Potentilla filiformis</i>	.	.	.	r	+	.	.	.	.
<i>Cotoneaster integerrimus</i>	1	.	.	.	.	+	.	+	.
<i>Rubus idaeus</i>	.	.	.	.	.	+	.	.	2
<i>Avenella flexuosa</i>	.	.	.	.	.	+	.	.	+
<i>Rosa canina</i> agg.	.	.	.	.	.	.	1	+	.
<i>Hieracium sabaudum</i>	.	.	.	.	.	.	.	r	+
<i>Hylotelephium maximum</i>	.	.	.	.	.	.	.	r	+
<i>Sorbus aucuparia</i>	.	.	.	.	.	+	.	.	r

In one relevé only: **Shadowing trees out of the plot:** *Malus sylvestris* 9: 2, *Fagus sylvatica* 9: 2, *Tilia cordata* 9: 1. **E<sub>2</sub>:** *Pinus sylvestris* 1: 2, *Euonymus europaea* 1: 2, *Quercus petraea* 1: 2, *Juniperus communis* 6: 1, *Sorbus aucuparia* 6: +, *S. danubialis* 9: 1. **E<sub>1</sub>:** *Euonymus europaea* 1: +, *Rubus franconicus* 1: +, *Parthenocissus inserta* 1: r, *Prunus avium* 1: r, *Potentilla tabernaemontani* 2: +, *Viola collina* 2: +, *Epilobium collinum* 2: r, *Festuca* sp. 3: 1, *Pinus sylvestris* 3: 1, *Pinus nigra* 4: 1, *Hypericum perforatum* 4: r, *Asplenium septentrionale* 5: r, *Festuca ovina* 6: 1, *Sorbus danubialis* 6: +, *Quercus robur* 6: r, *Fagus sylvatica* 6: r, *Echium vulgare* 7: +, *Sedum reflexum* 7: +, *Jovibarba globifera* subsp. *globifera* 7: r, *Geranium sanguineum* 8: 1, *Convallaria majalis* 9: 1, *Dianthus gratianopolitanus* 9: 1, *Polypodium vulgare* 9: 1, *Poa nemoralis* 9: 1, *Stellaria holostea* 9: 1, *Hieracium murorum* 9: 1, *Dryopteris filix-mas* 9: 1, *Lonicera xylosteum* 9: 1, *Brachypodium pinnatum* 9: 1, *Vaccinium myrtillus* 9: 1, *Achillea millefolium* 9: +, *Mercurialis perennis* 9: +, *Fragaria* sp. 9: +, *Festuca rubra* 9: +, *Viola* sp. 9: +, *Silene nutans* 9: +, *Luzula luzuloides* 9: +, *Poa pratensis* s. l. 9: +, *Campanula rapunculoides* 9: +, *Lilium martagon* 9: +, *Digitalis grandiflora* 9: r, *Quercus petraea* 9: r.

**Localities of the relevés:** **1.** Malý Bezděz hill, under the quarry wall, 19. 8. 2009, 50°32'18.5"N, 14°42'51.4"E. **2.** ditto, wall at the base of the quarry, 19. 8. 2009, 50°32'23.5"N, 14°42'39.1"E. **3.** ditto, in the middle part of the quarry wall on SE site of the hill, 16. 5. 2011, 50°32'18.9"N, 14°42'52.1"E. **4.** ditto, close to the base of the wall of the quarry, 16. 5. 2011, 50°32'18.9"N, 14°42'52.1"E. **5.** ditto, lower third of the quarry wall, 16. 5. 2011, 50°32'18.9"N, 14°42'52.1"E. **6.** ditto, rock under the summit part, 16. 5. 2011, 50°32'20.8"N, 14°42'48.5"E. **7.** Bezděz hill, rock in the SE part of the summit, 16. 5. 2011, 50°32'23.1"N, 14°43'18.2"E. **8.** ditto, 16. 5. 2011, 50°32'23.1"N, 14°43'18.2"E. **9.** ditto, 23. 5. 2011, 50°32'23.8"N, 14°43'17.6"E.