

Willner, W., Di Pietro, R. and Bergmeier, E. 2009. Phytogeographical evidence for post-glacial dispersal limitation of European beech forest species. – *Ecography* 32: 1011–1018.

Supplementary material

1. Data sources for the selection of “beech forest species”

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2. Data sources for the compilation of species distribution

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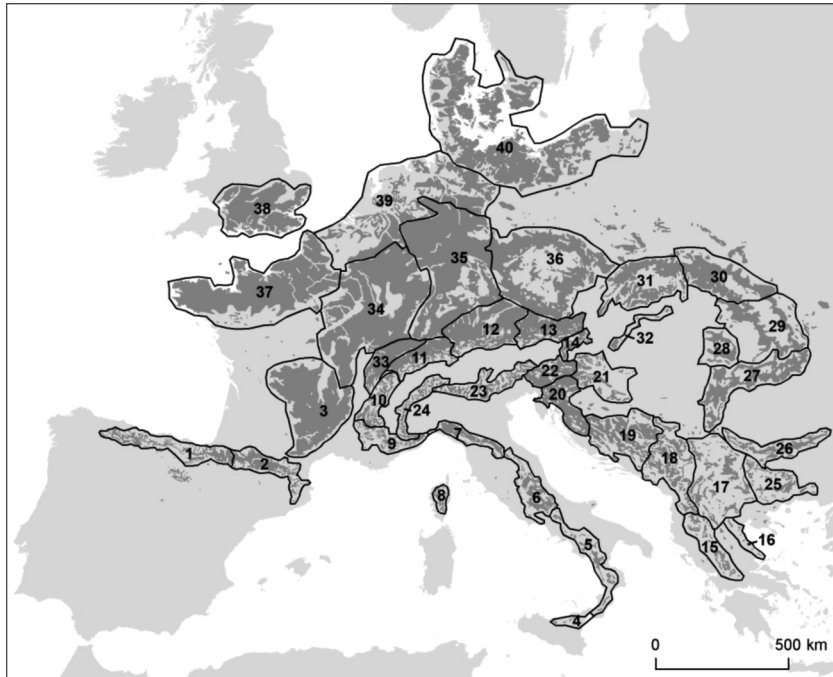


Figure S1. The 40 regions used as “operational geographic units”.

3. Species-by-region-matrix

Region no. (see Fig. S1):	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	29	30	31	32	33	34	35	36	37	38	39	40								
<i>Actaea spicata</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
<i>Adoxa moschatellina</i>	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
<i>Allium ursinum</i> (incl. subsp. <i>ucrainicum</i>)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
<i>Anemone nemorosa</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
<i>Anemone ranunculoides</i>	.	r	1	.	+	1	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
<i>Anemone trifolia</i>	+	1	.	1	+		
<i>Aposeris foetida</i>		
<i>Arenonia agrimonoides</i>	.	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
<i>Arum maculatum</i> agg. (incl. <i>A. cylindraceum</i>)	1	1	1	1	1	1	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
<i>Arunca dioicus</i>	.	1	.	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Asarum europaeum</i>	.	1	.	+	1	1	1	.	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Asperula taurina</i>	.	.	.	1	1	1	1	
<i>Asyneuma trichoclycinum</i> s.str. (excl. <i>A. pichleri</i>)	.	.	.	1	.	1	
<i>Calamintha grandiflora</i>	.	+	1	1	1	1	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Cardamine battagiae</i>	+
<i>Cardamine bulbifera</i>	.	.	.	1	1	1	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Cardamine chelidonia</i>	.	.	.	1	1	1	1	1
<i>Cardamine emeaphyllis</i>	1	1	
<i>Cardamine glanduligera</i>	
<i>Cardamine heptaphylla</i>	+	1	1	.	1	1	1		
<i>Cardamine impatiens</i> (incl. subsp. <i>pectinata</i>)	r	1	1	.	1	1	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
<i>Cardamine kitaibelii</i> (= <i>Dentaria polyphylla</i>)	+	1	1	.	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Cardamine pentaphyllis</i>	.	+	1	.	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Cardamine trifolia</i>	1	1	.	r	r	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Cardamine vladsternii</i> (= <i>Dentaria trifolia</i>)
<i>Carex pilosa</i>	.	.	+	.	1	1	1	.	1	r	r	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Carex sylvatica</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Corydalis cava</i>	1	1	r	1	1	1	1	.	r	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Corydalis solidata</i> (incl. subsp.)	.	1	1	1	1	1	1	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Cyclamen purpurascens</i>	1	1	.	+	r	r	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
<i>Daphne mezereum</i>	.	1	1	1	1	1	1	.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
<i>Dryopteris filix-mas</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
<i>Epilobium montanum</i>	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

