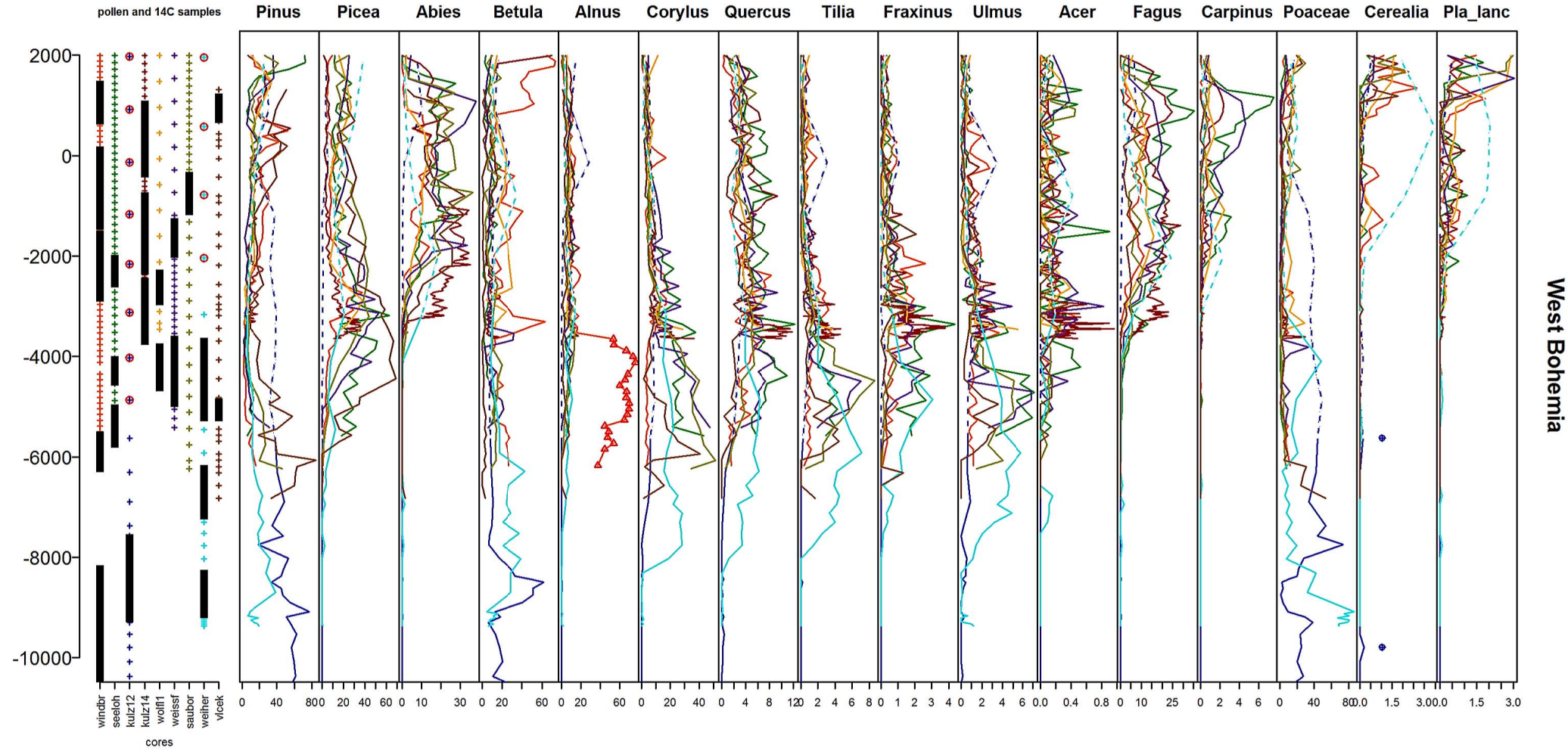
Abraham V., Kuneš P., Petr L., Svitavská Svobodová H., Kozáková R., Jamrichová E., Švarcová M. G. & Pokorný P. (2016): A pollen-based quantitative reconstruction of the Holocene vegetation updates a perspective on the natural vegetation in the Czech Republic and Slovakia. – Preslia 88: 409–434.

Electronic Appendix 1. Input data for each region. The field labelled as "pollen and 14C samples" illustrates the density of pollen samples in the profiles (plus sign) and the density of datings; most of them are calibrated 14C dates at the 95% confidence level (black rectangles). The colours of the profiles correspond to the colours used for all taxa. Excluded samples due to: 1) a weak depth-age model or 2) strange taphonomy are marked by red circles. Corrected pollen counts in the samples are marked: 3) by dots in the field of Cerealia before 5.5 kyr BC, where the pollen counts were set to zero, and by triangles on the pollen curves of *Alnus*, where the pollen counts were set to the regional average due to the species' obvious local presence.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Abies
Betula
Alnus
Corylus
Quercus
Tilia
Fraxinus
Ulmus
Acer
Fagus
Carpinus
Poaceae
Cerealia
Pla_lanc
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-4000
-6000
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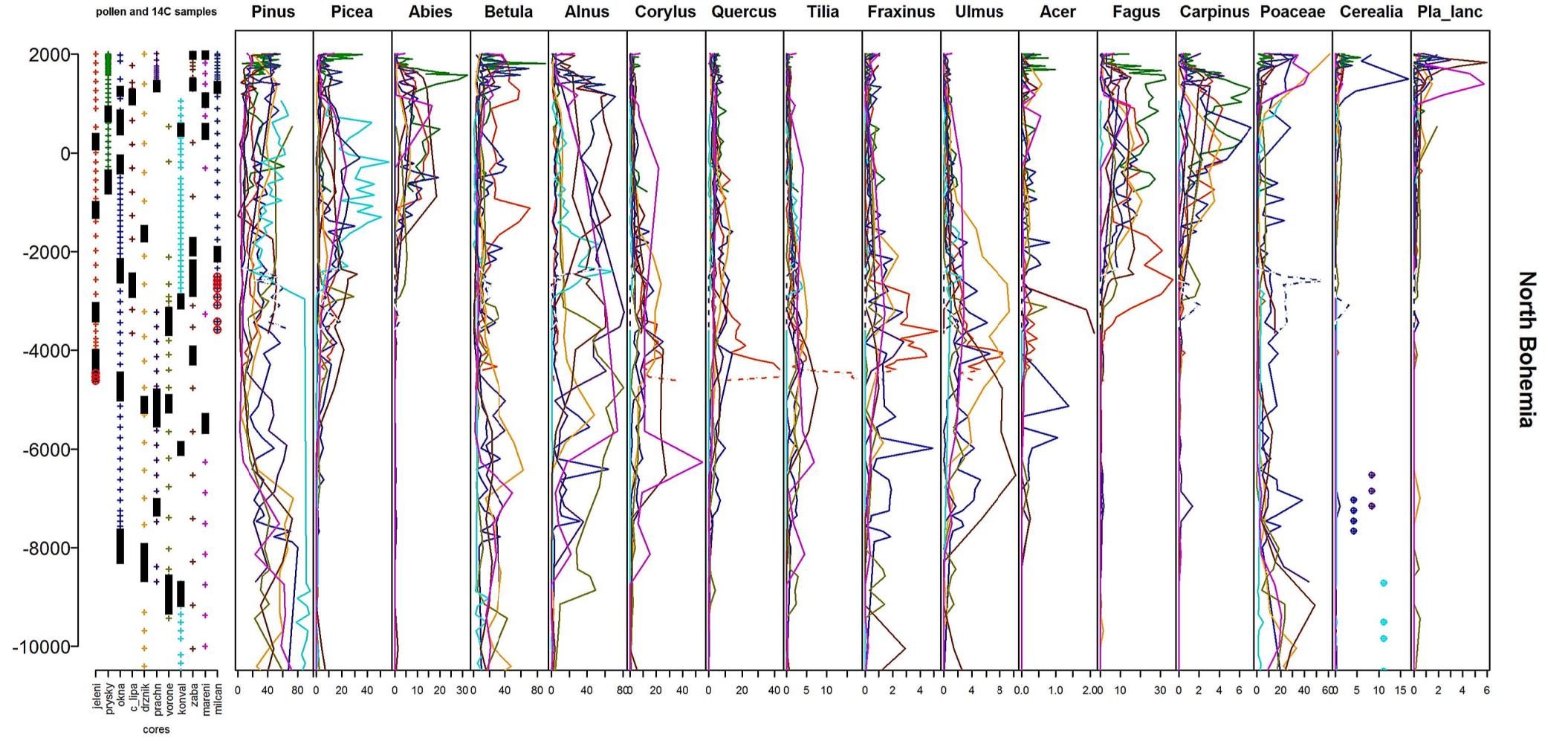
kulz12
kulz14
wolfl1
weissf
saubor
weiher
vlcek
cores
West Bohemia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Abies
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Quercus
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Fagus
Carpinus
Poaceae
Cerealia
Pla_lanc
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-4000
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-8000
-10000
jeleni
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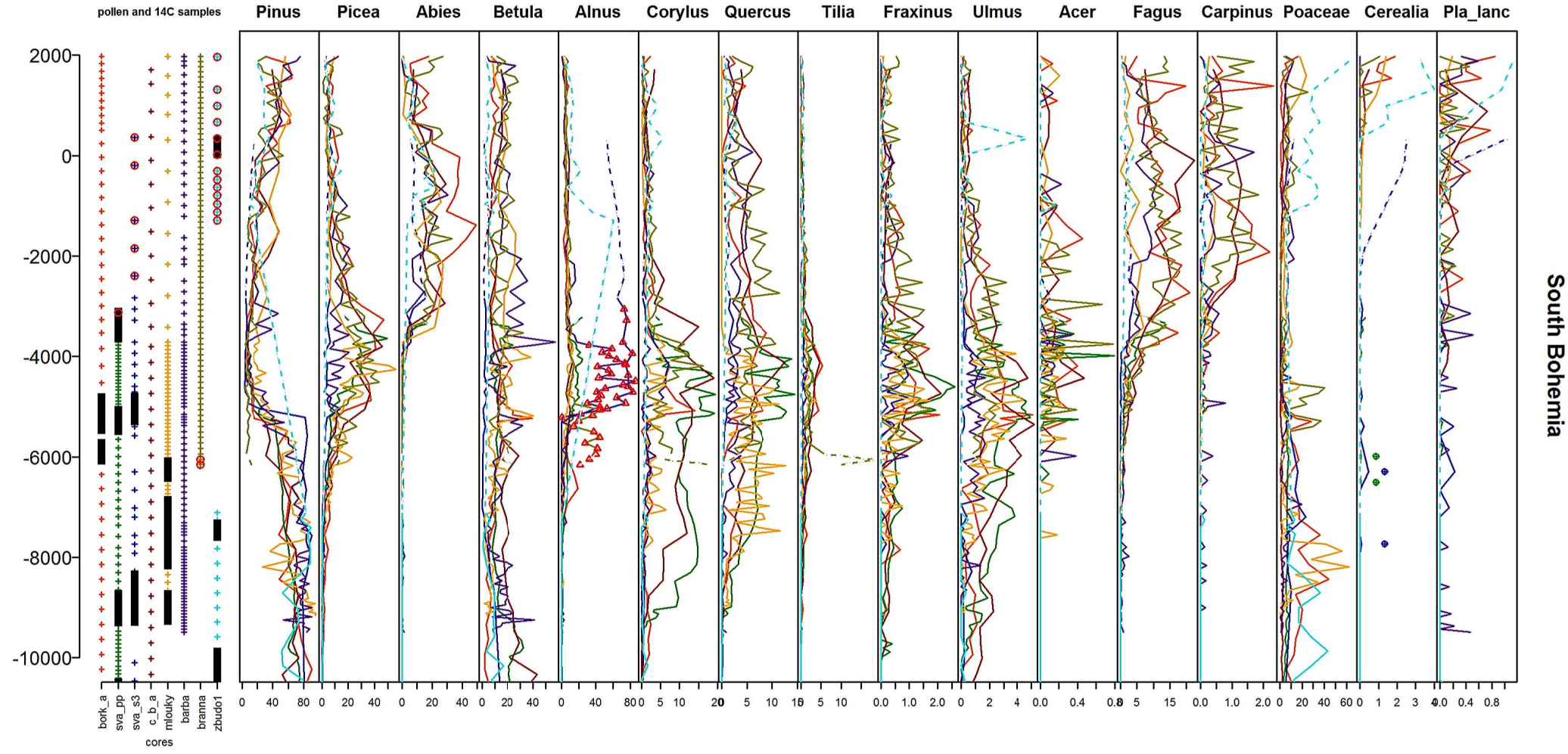
okna
c_lipa
drznik
prachn
vorone
konval
zaba
mareni
milcan
cores
North Bohemia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Fagus
Carpinus
Poaceae
Cerealia
Pla_lanc
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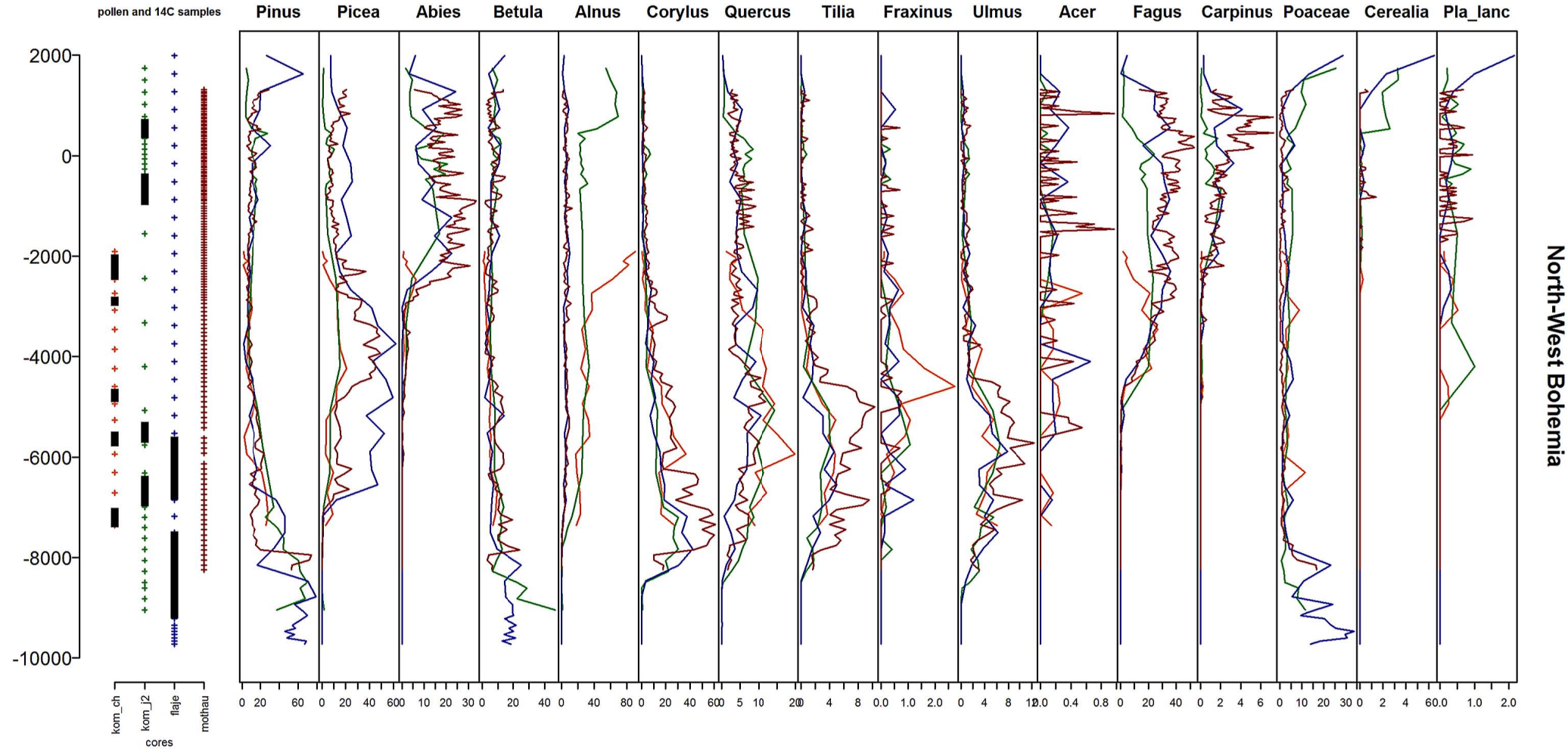
sva_pp
sva_s3
c_b_a
mlouky
barba
branna
zbudo1
cores
South Bohemia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Quercus
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Carpinus
Poaceae
Cerealia
Pla_lanc
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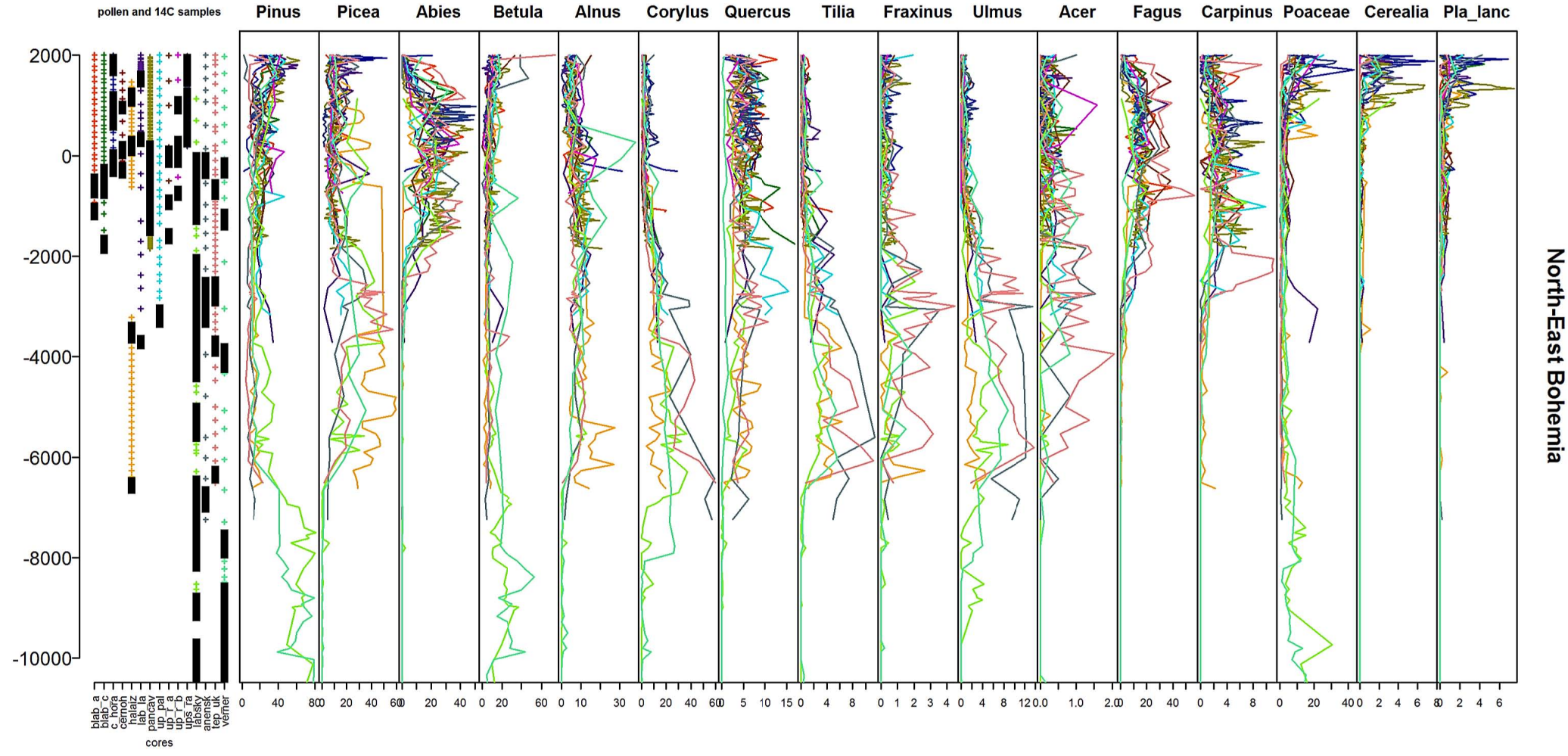
kom_ch
kom_j2
flaje
mothau
cores
North-West Bohemia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Carpinus
Poaceae
Cerealia
Pla_lanc
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halaiz
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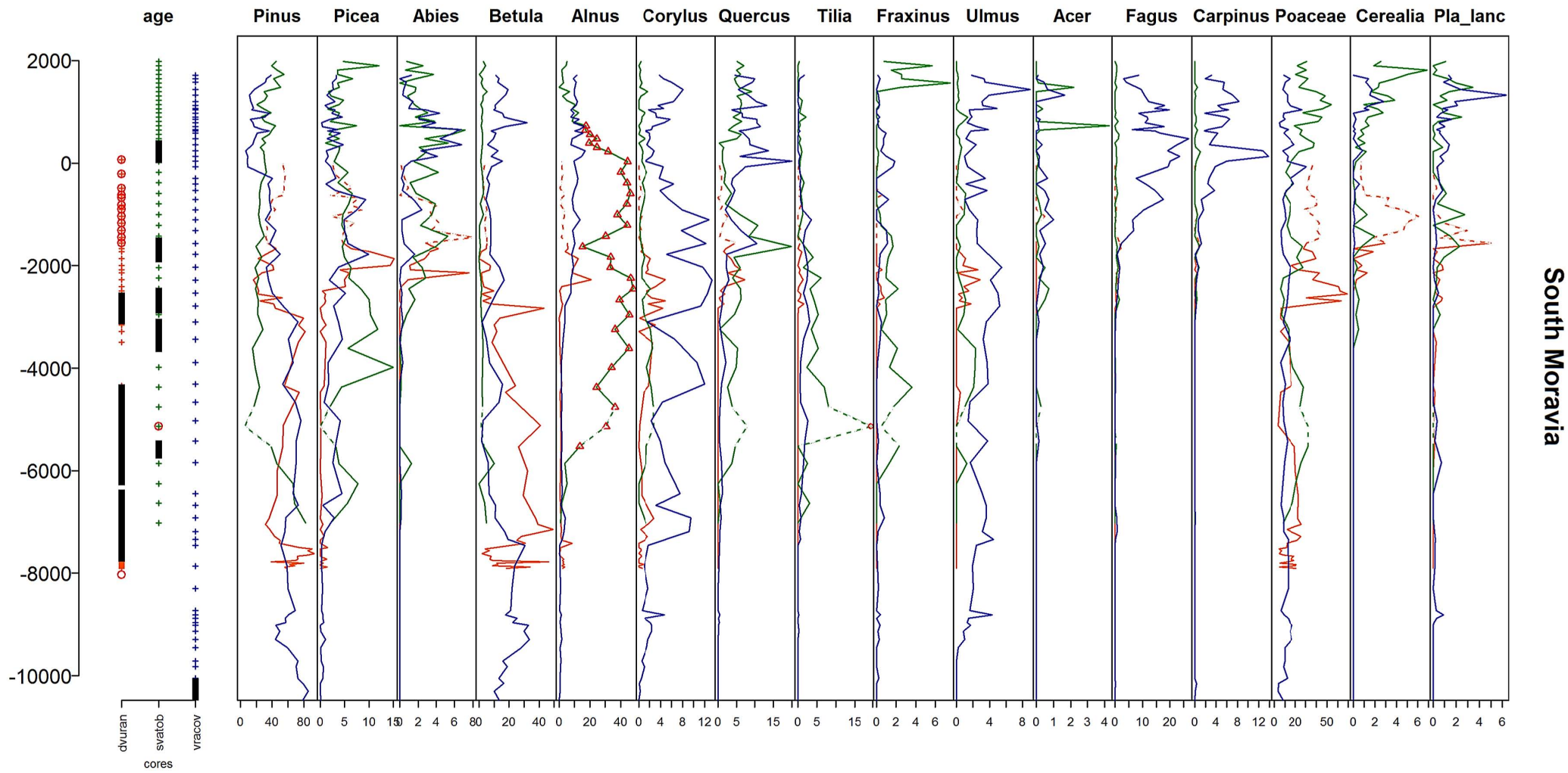
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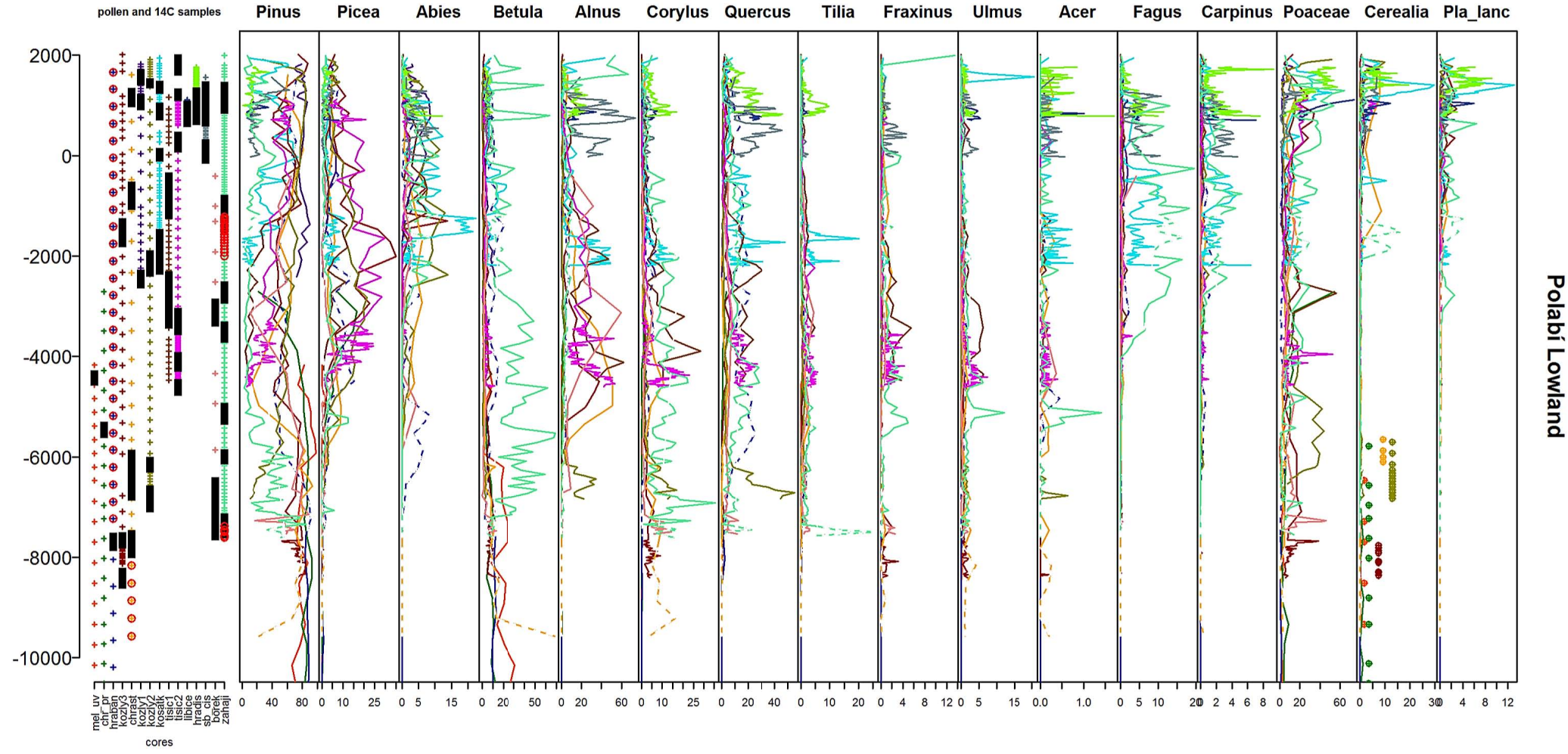
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Abies
Betula
Alnus
Corylus
Quercus
Tilia
Fraxinus
Ulmus
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Carpinus
Poaceae
Cerealia
Pla_lanc
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chr_pr
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kozly3
chrast
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kozly2
kosatk
lisic2
lisic1
libice
hradis
sb_cis
borek
zahajl
cores
0 40 80
0 10 25
0 5 15
0 20 50
0 20 60
0 10 25
0 20 40
0 10 20
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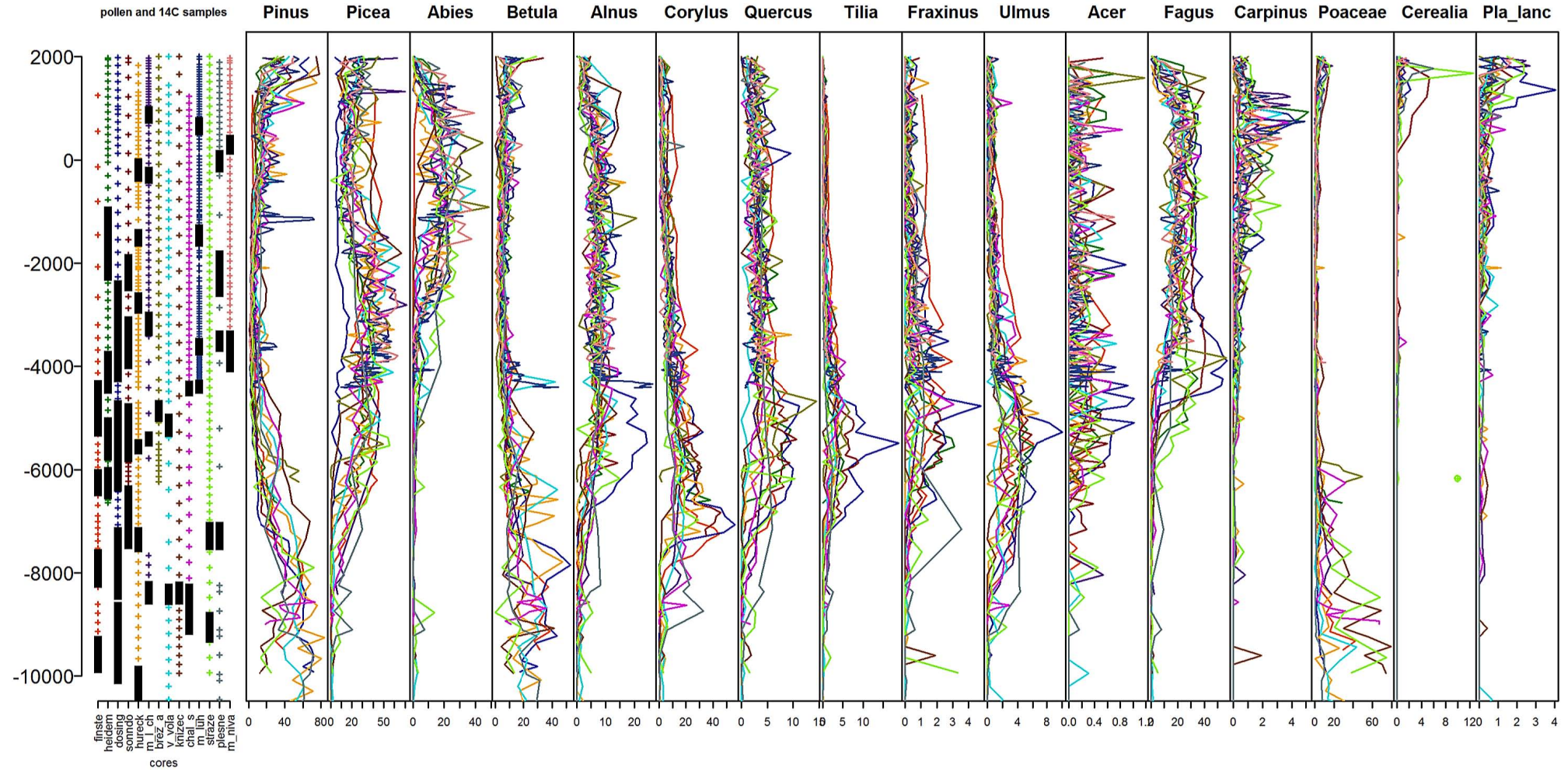
0.0 1.0
0 5 10
0 2 4 6 8
0 20 60
0 10 20 30
0 4 8 12
Polabí Lowland


pollen and 14C samples
Pinus
Picea
Abies
Betula
Alnus
Corylus
Quercus
Tilia
Fraxinus
Ulmus
Acer
Fagus
Carpinus
Poaceae
Cerealia
Pla_lanc
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hdelem
dolmlg
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chal_s
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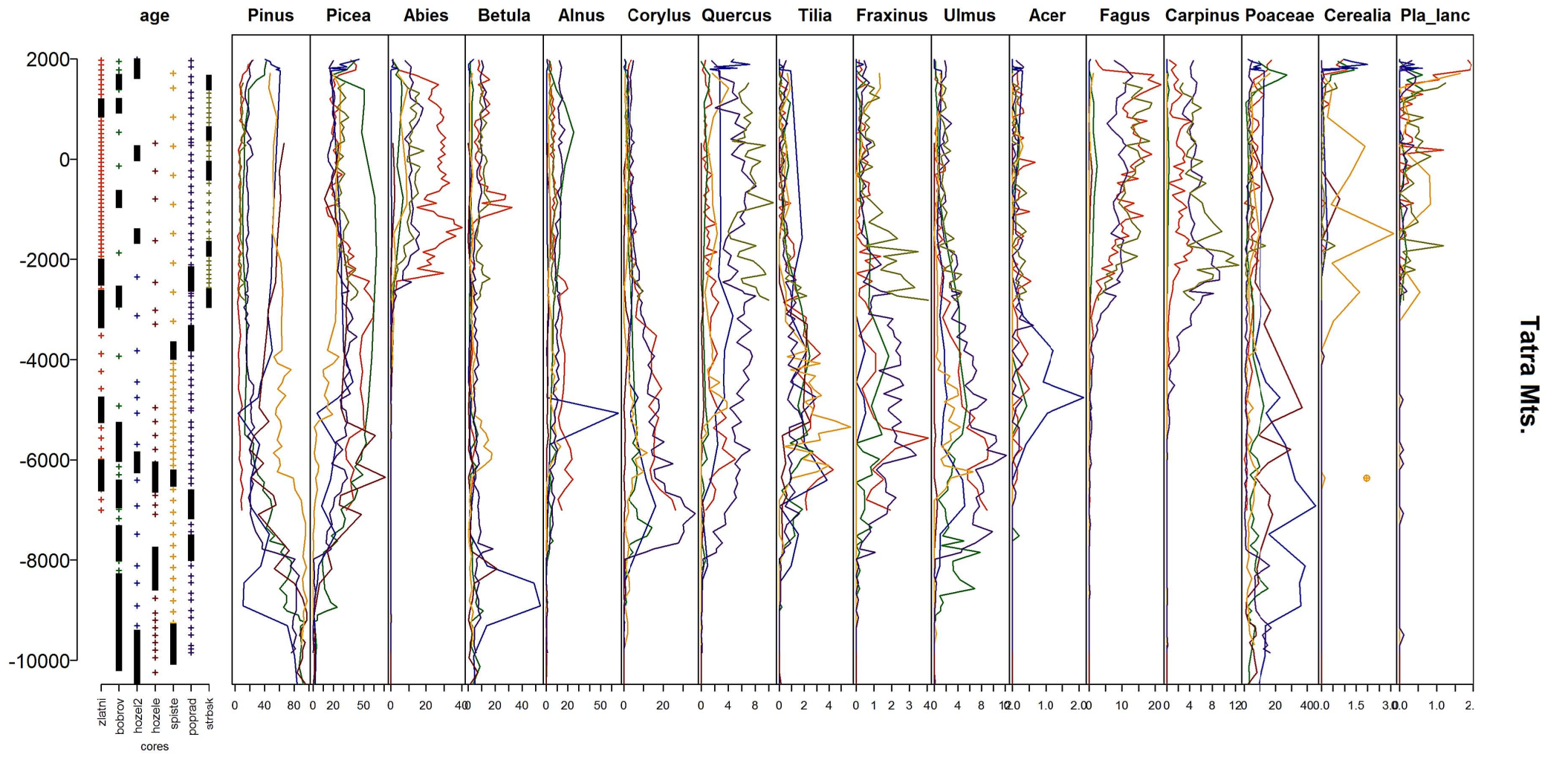
cores
Šumava Mts.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Pinus
Picea
Abies
Betula
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Ulmus
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Carpinus
Poaceae
Cerealia
Pla_lanc
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zlatni
bobrov
hozel2
hozele
spiste
poprad
strbsk
cores
Tatra Mts.

Electronic Appendix 2 (next pages): List of sites with excluded samples or corrected pollen counts, the depth-age model, previously unpublished datings and palynostratigraphical time control points (in brackets: dated profile of reference). Samples (depths) were excluded because of: 1) a weak depth-age model or 2) strange taphonomy (high pollen counts of *Tilia*). Corrected pollen counts in samples were obtained as follows: 3) pollen counts of Cerealia were set to zero or 4) pollen counts of *Alnus* were set to the regional average. The column "material" contains the following abbreviations: s. - seed, r. - remain, char. - charcoal.

REGION	profile code	name of the sequence	elev. m a.s.l.	samples total	samples used	reference for the pollen core and C14 dating samples (depths) excluded or corrected kind of intervention (1,2,3,4) see in the caption	C14 published	C14 new	depth-age model (interpolation)	details, exclusion of dates and differences from default setting of the depth-age model lab. number / dating points	depth (cm)	material	age (uncal. BP. or BC/AD)
West Bohemia	**kulz12**	**Kulzer Moos XII**	**481**	54	17	(Knipping, 1997, 1989) **1)** 0, 10, 20, 30, 40, 50, 60, 70 cm **3)** 80 cm		6	smooth spline				
	kulz14	**Kulzer Moos XIV**	**481**	112	112	(Knipping, 1997, 1989)		9	linear	excl:Hv-16628, Hv-16332			
	saubor	**Sauborst**	**572**	37	37	(Hahne, 1992)		2	linear				
	seeloh	**Seelohe Profil 1**	**778**	51	51	(Hahne, 1992)		3	smooth spline				
	vlcek	**Vlček**	**769**	37	37	(Švarcová, 2012)		2	linear	excl.: present			
	weiher	**Weiherlohe**	**685**	28	24	(Knipping, 1997, 1989) **1)** 0, 10, 20, 30 cm		4	smooth spline				
	weissf	**Weissenstadter Forst**	**725**	34	34	(Hahne, 1992)		3	linear				
	windbr	**Windbruch V**	**497**	65	65	(Knipping, 1997, 1989) **4)** 90, 92, 94, 96, 98, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130 cm		7	linear				
	wolfl1	**Wolfslohe 1**	**826**	14	14	(Hahne, 1992)		2	linear				
North-West Bohemia	**flaje**	**Fláje - Kiefern**	**738**	43	43	(Jankovská et al., 2007)		3	linear	excl.: CU-1293			
	kom_ch	**Komořanské j. PK-1-CH**	**132**	19	19	(Jankovská and Pokorný, 2013)		6	smooth spline	smooth=0.24			
	kom_j2	**Komořanské jezero 2**	**132**	36	36	(Jankovská, 1984, 1983)		4	pollen based linear				
									POLLEN event Corylus increase (flaje)		*137.5*		*-8600±250 BC*
	mothau	**Mothhäuser Haide**	**765**	155	155	(Lange et al., 2005)			pollen based linear				
									POLLEN event Abies increase (kom_ch)		*502.5*		*-2900±250 BC*
									POLLEN event Fagus increase (flaje)		*605*		*-4600±250 BC*
									POLLEN event Picea increase (flaje)		*722.5*		*-7000±250 BC*
North Bohemia	**c_lipa**	**Česká Lípa**	**267**	14	14	Kuneš unpubl.		2	linear	Poz-8118	75	*Pinus syl.* wood	885±30 uncal. BP
										Poz-8117	115	*Pinus syl.* wood	4100±35 uncal. BP
	drznik	**Držník**	**278**	27	22	Svitavská unpubl.		5	smooth spline	Poz-27472 and Poz-27473 has swiched depths			
										UGAMS-5633	30	peat	3360±30 uncal. BP
										UGAMS-4715	65	peat	6150±40 uncal. BP
										UGAMS-5634	90	peat	9270±30 uncal. BP
										Poz-27472	95	peat	10700±60 uncal. BP
										Poz-27473	125	peat	9010±50 uncal. BP
	jeleni	**Jelení louže**	**460**	39	36	(Pokorný and Kuneš, 2005) **2)** 280, 285, 290 cm		5	linear				

North Bohemia	konval	Konvalinkový vršek	263	46	44	Petr unpubl.		5	linear	hiatus=112 cm, excl: present, UGAMS-4716		
				3) 113 cm						UGAMS-5635	17.5	wood	1610±25 uncal. BP
										UGAMS-5636	111.5	wood	4390±30 uncal. BP
										UGAMS-12278	117.5	seed	9520±30 uncal. BP
										UGAMS-4716	137	peat	7120±40 uncal. BP
										UGAMS-5637	149	seeds	10660±30 uncal. BP
	mareni	Mařenice	365	37	19	Kozáková unpubl.		8	linear	Poz-43836	2.5		-803±25 uncal. BP
										Poz-43837	11		995±30 uncal. BP
										Poz-43895	17		1640±30 uncal. BP
										Poz-48936	25		6530±80 uncal. BP
										Poz-48937	60.5		11110±80 uncal. BP
										Poz-48938	67.5		11350±90 uncal. BP
										Poz-43838	82		11580±70 uncal. BP
										Poz-43839	178.5		12390±60 uncal. BP
	milcan	Milčany	265	38	28	Petr unpubl.		4	linear	excl: UGAMS-5891, UGAMS-12911			
				1) 194, 196, 198, 200, 204, 208, 216, 220 cm						UGAMS-12909	101.5	needles	680±30 uncal. BP
										UGAMS-12910	183	needles	3670±30 uncal. BP
										UGAMS-12911	224	plant fragments	12650±80 uncal. BP
										UGAMS-5891	229	charcoal	45940±320 uncal. BP
	okna	Okna	280	60	56	Abraham unpubl.		7	linear	Poz-33652	62	entomo, plant r.	770±35 uncal. BP
				3) 266, 270, 274, 278 cm						Poz-33653	78	charcoal	1390±80 uncal. BP
										UGAMS-3538	100.5	charcoal	2150±25 uncal. BP
										Poz-33654	178	char.,ent. and plan	3900±60 uncal. BP
										Crl-7070	222.5	Alnus wood	5869±92 uncal. BP
										Poz-33655	284	char. and plant r.	8860±90 uncal. BP
										UGAMS-3539	360.5	charcoal	11010±40 uncal. BP
	prachn	Práchnivec	278	30	30	Svitavská unpubl.		4	linear	hiatus=82.5 cm, excl: Poz-27471			
				3) 140, 145, 150 cm						UGAMS-5631	80	peat	590±20 uncal. BP
										UGAMS-4714	115	peat	6080±40 uncal. BP
										UGAMS-5632	150	peat	8150±25 uncal. BP
										Poz-27471	160	peat	6450±40 uncal. BP
	prysky	Pryskyřičný důl	315	52	52	(Abraham and Pokorný, 2008)		8	linear				
	vorone	Voroněž	278	25	25	(Novák et al., 2012)	2*	5	smooth spline	UGAMS-4711	80	charcoal	4730±30 uncal. BP
				*dates published in Novák et al 2012 belong to another profile, thus they were not considered						UGAMS-5629	90	peat	4610±30 uncal. BP
										UGAMS-5630	125	peat	6120±30 uncal. BP
										UGAMS-4712	140	peat	9710±40 uncal. BP
										UGAMS-4713	150	peat	9460±50 uncal. BP

North Bohemia	**zaba**	**Žába**	**390**	32	23 (Kozáková et al. 2015)	3	6	linear	excl.: Poz-48939			
									Poz-43840	6.5		-1266±25 uncal. BP
									Poz-48939	37.5		-1859±24 uncal. BP
									Poz-48940	53.5		3895±35 uncal. BP
									Poz-48942	92.5		5255±35 uncal. BP
									Poz-43845	151		12530±110 uncal. BP
									Poz-43846	245		13190±70 uncal. BP
Polabí Lowland	**borek**	**Borek**	**185**	24	24 Kuneš unpubl.	4		linear				
									Poz-33648	68	charcoal	4420±40 uncal. BP
									Poz-35353	91		7790±50 uncal. BP
									Poz-33650	128.5	carex seeds	8140±80 uncal. BP
									Poz-33651	162	*Carex, Lysimachia, Filipendula, Lycopus* seeds	8380±70 uncal. BP
	hraban	**Hrabanovská černava**	**184**	71	28 (Petr and Novák, 2014)	4		linear				
					1) 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45, 48, 51, 54, 57, 60, 63, 66, 69, 72, 75, 78, 81 cm							
	hradis	**Hradištko**	**190**	70	70 (Kozáková et al., 2014)	4		linear				
	chr_pr	**Chrást u přejezdu**	**168**	60	27 (Petr et al., 2014)	5		linear	excl.: Crl-6199B, present			
					3) 110, 116, 119, 121, 124, 127, 133, 137 cm							
	chrast	**Chrást**	**164**	32	18 (Břízová, 1999; Dreslerová and Pokorný, 2004)	6		smooth spline				
					1) 140, 145, 150, 155, 160 cm							
					3) 75, 80, 85, 90 cm							
	kosatk	**Košátky-tvrz**	**214**	81	81 Kozáková unpubl.		6	linear	Poz-24239	87.5		585±30 uncal. BP
									Poz-24241	162.5		1145±30 uncal. BP
									Poz-24242	232.5		1975±30 uncal. BP
									Poz-24243	456		3345±35 uncal. BP
									Crl-7026	530		3628±86 uncal. BP
									Poz-24244	660		3770±35 uncal. BP
	kozly1	**Kozly 1**	**164**	29	29 Petr unpubl.		3	linear	Poz-31125	37.5		320±35 uncal. BP
									Poz-31126	72.5		1010±30 uncal. BP
									Poz-31127	112.5		3960±35 uncal. BP
	kozly2	**Kozly 2 Okrouhlík**	**164**	58	58 (Petr and Pokorný, 2008)		4	linear	Poz-29402	59.5		460±30 uncal. BP
					3) 120, 122, 124, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148 cm				Poz-31128	88		3740±60 uncal. BP
									Poz-29401	124		7310±40 uncal. BP
									Poz-22834	148		7900±50 uncal. BP

Polabí Lowland	**kozly3**	**Kozly 3**	**164**	66	66 Petr unpubl.		4	linear	excl.: Poz-31129		
					3) 168, 177, 189, 195, 222, 228, 256, 259, 268 cm				Poz-32690	90.5	3260±90 uncal. BP
									Poz-32689	148.5	8620±50 uncal. BP
									Poz-31129	214.5	9200±50 uncal. BP
									Poz-31130	273	9150±50 uncal. BP
	libice	**Libice**	**186**	17	17 (Kozáková et al., 2014)		3	linear	excl.: present		
	mel_uv	**Mělnický úval**	**176**	30	16 (Petr and Novák, 2014)		2	linear			
					3) 40, 46, 49, 55, 61 cm						
	sb_cis	**Stará Boleslav (čistička)**	**167**	49	49 (Břízová, 1999; Dreslerová and Pokorný, 2004)		4	linear			
	tisic1	**Tišice**	**160**	42	42 (Dreslerová et al., 2004)		2	linear	excl.: present		
	tisic2	**Tišice 2**	**160**	97	97 Petr unpubl.		6	linear	excl.: Poz-27210		
									Poz-27209	60	830±30 uncal. BP
									Poz-27174	112	1750±50 uncal. BP
									Poz-27239	149	4570±40 uncal. BP
									Poz-27210	180	140±25 uncal. BP
									Poz-27211	214	5270±40 uncal. BP
									Poz-27212	274	5755±35 uncal. BP
	zahaji	**Zahájí**	**232**	97	81 (Albert and Pokorný, 2012; Pokorný, 2005)		6	smooth spline together with zahaj2	smooth=0.25		
					2) 385, 390, 395, 400, 405, 410, 415, 420, 425, 430, 435, 440, 445, 450, 455, 460 cm						
	zahaj2	**Zahájí 2**	**232**	48	46 (Pokorný et al 2015)		4	see zahaji			
					2) 805, 810 cm						
South Bohemia	**barba**	**Barbora**	**470**	103	103 (Jankovská, 1980)			linear			
					4) 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 480 cm				*POLLEN event Abies decrease*	*75*	*600±250 AD*
									POLLEN event Abies increase (sva_pp)	*275*	*-3660±250 BC*
									POLLEN event Pinus decrease (sva_pp)	*482*	*-5150±250 BC*
									POLLEN event Quercus increase (sva_pp)	*717*	*-8000±250 BC*
	bork_a	**Borkovická blata A**	**431**	82	82 (Jankovská, 1980)		2	smooth spline			
					* Both 14C dates were reported in the original publication as 4234±125 BC and 7040±100 BC. The first date, however, was reported in the EPD as 6184±125 uncal. BP. We added 1950 years to 7040 BC and dealt with the second date similarly, however measured ^{14}C age remains uncertain.				*POLLEN event Abies decrease*	*47.5*	*600±250 AD*
									POLLEN event Abies increase (sva_pp)	*205*	*-3660±250 BC*
									C14 strange reporting*	245	6184±125 uncal. BP*
									POLLEN event Pinus decrease (sva_pp)	*285*	*-5150±250 BC*
									POLLEN event Quercus increase (sva_pp)	*375*	*-8000±250 BC*
									C14 strange reporting*	430	8990±100 uncal. BP*
	branna	**Branná**	**441**	76	74 (Jankovská, 1980)			linear			
					2) 370, 375 cm				POLLEN event *Abies* decrease	67	600±250 AD
					4) 325, 330, 335, 340, 345, 350, 355, 360, 365 cm				POLLEN event *Abies* increase (sva_pp)	262	-3660±250 BC

South Bohemia	c_b_a	Červené blato A	477	58	31 (Jankovská, 1980)		linear					
							POLLEN event Abies decrease			*25*		*600±250 AD*
							POLLEN event Abies increase (sva_pp)			*115*		*-3660±250 BC*
							POLLEN event Quercus increase (sva_pp)			*255*		*-8000±250 BC*
	mlouky	Mokré Louky	428	82	82 (Jankovská, 1987)	5	linear	excl: WIS-1415				
							POLLEN event Abies decrease			*22.5*		*600±250 AD*
							POLLEN event Abies increase (sva_pp)			*57*		*-3660±250 BC*
	sva_pp	Švarcenberk	409	159	61 (Hošek et al., 2014; Pokorný, 2002b)	6	linear					
					1) 130 cm							
					3) 338, 347 cm							
	sva_s3	Švarcenberk S3	409	36	29 (Pokorný et al., 2010, 2008)	4	linear	excl: Poz-16752, Poz-16753				
					1) 15, 20, 30, 35, 40 cm							
					3) 71, 79 cm							
					4) 46, 48, 52, 54, 56, 58, 60, 61, 62, 63, 64, 65 cm							
	zbudo1	Zbudovská Blata	396	29	10 (Rybníčková, 1982; Rybníčková et al., 1975)	3	linear	hiatus=103 cm				
					1) 0, 20, 30, 40, 50, 60, 70, 75, 80, 85, 90, 95, 100 cm							
Šumava	brez_a	Březník A	1165	43	43 Svitavská unpubl.	1	linear	Poz-33658	330	ent. and plant r.	5990±50 uncal. BP	
	dosing	Dösingerried	715	67	64 (Stalling, 1987)	7	smooth spline					
	finste	Finsterauer Filz	1055	41	40 (Stalling, 1987)	5	smooth spline					
	heidem	Heidemühle (Beerenfilz)	835	55	55 (Stalling, 1987)	6	smooth spline					
	hureck	Hůrecká slať	870	109	100 (Svobodová et al., 2002)	6	linear					
	chal_s	Chalupská slať	906	67	67 Svitavská unpubl.	3	linear	Poz-33666	500	peat	5600±40 uncal. BP	
								Poz-33656	630	peat	9160±60 uncal. BP	
								Poz-33657	670	peat	9470±60 uncal. BP	
	knizec	Knížecí pláně	998	40	38 (Svobodová et al., 2001)	1	linear	UtC-7653	300		9120±60 uncal. BP	
	m_l_ch	Mrtvý luh - Chlum	737	58	58 Svitavská unpubl.	6	linear	excl.: UGAMS-3530				
								UGAMS-3529	100	peat	2245±30 uncal. BP	
								UGAMS-3530	215	peat	1155±30 uncal. BP	
								UGAMS-3531	495	peat	4455±30 uncal. BP	
								UGAMS-3532	540	peat	6430±35 uncal. BP	
								UGAMS-3533	620	peat	9190±40 uncal. BP	
								UGAMS-3534	640	sediment	9070±40 uncal. BP	
	m_luh	Mrtvý luh	737	136	136 (Svobodová et al., 2001)	4	linear					
	m_niva	Malá niva	754	53	53 (Svobodová et al., 2002)	3	linear					
	plesne	Plešné jezero	1105	67	33 (Jankovská, 2006)	5	linear					
	sonndo	Sonndorf	665	50	50 (Stalling, 1987)	6	smooth spline					
	straze	Stráženská slať	804	68	67 (Svobodová et al., 2001)	2	linear					
					3) 510 cm							

Šumava	**v_vola**	**Velká niva-Volary**	**765**	50	44	(Svobodová et al., 2001)		2	linear	Poz-33820	385	peat	6170±50 uncal. BP
										Poz-33660	450	peat	9180±60 uncal. BP
North-East Bohemia	**anensk**	Anenské údolí	696	26		(Pokorný and Kuneš, 2005)	4		linear				
	blab_a	Bílé Labe A	1425	30		(Svobodová, 2004)	1	2	linear	UGAMS-3543	60	peat	2485±25 uncal. BP
										Poz-4005	67.5		2900±30 uncal. BP
	blab_c	Bílé Labe C	1425	34		(Svobodová, 2004)	1	2	linear	excl.: UGAMS-3545			
										UGAMS-3544	72.5	peat	2515±25 uncal. BP
										UGAMS-3545	92.5	sediment	2280±25 uncal. BP
	c_hora	Černá hora	1206	37		(Speranza et al., 2000a)	5		linear				
	cernoh	Černohorská rašelina	1206	14		(Svobodová, 2002)		4	linear	Poz-1087	60		1080±30 uncal. BP
										Poz-1092	90		1890±30 uncal. BP
										Poz-1098	130		1910±40 uncal. BP
										Poz-1111	150		2210±30 uncal. BP
	halaiz	Hala Izerska	830	55		(Skrzypek et al., 2009)	4		linear	hiatus=105.5			
	lab_la	Labská louka A	1336	49		Svitavská unpubl.		5	linear	excl.: UGAMS-3540			
										UGAMS-3540	55	peat	-6±25 uncal. BP
										UGAMS-3541	77.5	peat	405±25 uncal. BP
										UGAMS-3542	100	peat	1715±25 uncal. BP
										Poz-4008	120		1715±30 uncal. BP
										Poz-4054	150		4920±40 uncal. BP
	labsky	Labský důl	1039	79		(Engel et al., 2010)	17		linear				
	pancav	Pančavská louka	1336	130		(Speranza et al., 2000b)	29		Bacon default and linear extrapolation				
	tep_uk	Teplické údolí	715	54		(Kuneš and Jankovská, 2000)	5		linear				
	up_pal	Úpské rašeliniště Palza	1425	31		(Svobodová, 2004)	1		linear				
	up_r_a	Úpské rašeliniště A	1425	8		(Svobodová, 2004, 2002)	4		smooth spline				
	up_r_b	Úpské rašeliniště B	1425	8		(Svobodová, 2004, 2002)	4		linear				
	ups_ra	Úpská rašelina	1425	50		(Speranza, 2000)	7		smooth spline				
	verner	Vernéřovice	492	38		(Peichlová, 1979; Rybníčková and Rybníček, 1996)	9		linear				
South Moravia	**dvuran**	**Dvůr Anšov**	**179**	57	57	(Svobodová, 1997, 1992)	4		linear				
					1) 70, 80, 90, 95, 97, 102, 105, 110, 115, 120, 125, 129, 275 cm								
	svatob	**Svatobořice**	**174**	48	47	(Svobodová, 1997, 1989)	5		linear				
					2) 210 cm								
					4) 75, 80, 85, 90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180, 185, 190, 195, 200, 205, 215 cm								
	vracov	**Vracov**	**193**	103	87	(Svobodová, 1997, 1992, Kuneš et al. 2015)	1	10	Bacon default setting				

Tatry Mts.	**bobrov**	**Bobrov**	**620**	46	41	(Rybníček and Rybníčková, 2002, 1985)	13		linear				
	hozele	**Hozelec**	**685**	36	23	(Jankovská, 1988)	3		linear				
	hozel2	**Hozelec 2**	**685**	26	23	Jamrichová unpubl., (Hájková et al., 2015)	7	2	linear	hiatus=60 cm, excl.: UG-11625, UG-11626			
										UG-11625	146.5	tissue	1890±25
										UG-11626	186.5	tissue	1920±25
	poprad	**Popradské pleso**	**1494**	84	81	(Rybníčková and Rybníček, 2006)	4		linear				
	spiste	**Spišská Teplica**	**720**	46	45	Jamrichová unpubl.		3	linear				
					3) 60 cm					Poz-33662	20	*Isoëtes* spore, char., *Carex* seed	5000±40 uncal. BP
										Poz-33665	60	*Isoëtes* spore, char., *Carex* seed	7540±50 uncal. BP
										Poz-33661	90	plant remains	10060±90 uncal. BP
	strbsk	**Štrbské pleso**	**1346**	39	39	(Rybníčková and Rybníček, 2006)	5		linear				
	zlatni	**Zlatnická dolina**	**850**	71	71	(Rybníček and Rybníčková, 2002, 1985)	5		linear				

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Electronic Appendix 3: Pollen Productivity Estimates (PPEs) and fallspeed of pollen (vg)

taxon	PPEs	vg
Abies	12.77	0.12
Acer	0.32	0.056
Alnus	4.2	0.021
Betula	2.42	0.024
Carpinus	0.7	0.042
Cerealia	0.042	0.06
Corylus	1.4	0.025
Fagus	1.2	0.057
Fraxinus	0.67	0.022
Picea	0.47	0.056
Pinus	2	0.031
Plantago lanceolata-type	0.9	0.029
Poaceae	1	0.035
Quercus	0.42	0.035
Tilia	0.6	0.032
Ulmus	3	0.032

Electronic Appendix 4:

Mean tree composition within PNV units in the Czechia, calculated from typical vegetation relevés (Neuhäuslová, 2001). Tree composition outside of the Czechia was averaged for units of European PNV map (Bohn *et al.*, 2004)(EU_PNV). Missing units (e.g. 11) are situated outside of target regions. A few relevés were excluded, for example, *Brachypodio pinnati-Quercetum* (unit 30), because the tree layer did not correspond to natural composition.

(Neuhäuslová 2001) class	*Pinus*	*Picea*	*Abies*	*Betula*	*Alnus*	*Corylus*	*Quercus*	*Tilia*	*Fraxinus*	*Ulmus*	*Acer*	*Fagus*	*Carpinus*	EU_PVN	syntax
1						3.7	18.5		77.1	0.1	0.6			ash_ald	*Alnion incanae*
2					5.1		64.1	25.6			5.1			ash_ald	*Alnion incanae*
3	0.1	0.5			95.2				3.3					ash_ald	*Alnion incanae*
4							100.0							hardwood	*Alnion incanae*
5							5.4	67.0	26.8	0.2				hardwood	*Alnion incanae*
6							49.7	0.7	49.7					hardwood	*Alnion incanae*
7							37.5						62.5	hornbeam	*Carpinion*
8							80.6	19.4						hornbeam	*Carpinion*
9						17.5	73.0	3.5					0.6	hornbeam	*Carpinion*
10							47.3	0.6					47.3	hornbeam	*Carpinion*
12			0.8			8.9	10.2	10.5	4.0	12.6	41.9	0.2	9.7	hornbeam	*Carpinion*
13						3.8		3.8	47.2	18.9	0.6	18.9		ravine_f	*Tilio-Acerion*
14								3.3			0.5	96.0		beech_f	*Eu-Fagenion*
15							0.5	0.5				91.0		beech_f	*Eu-Fagenion*
16												83.9		beech_f	*Eu-Fagenion*
17							0.6					99.4		beech_f	*Eu-Fagenion*
18		0.5	14.2									83.1		beech_f	*Eu-Fagenion*
21											3.2	92.6		beech_f	*Eu-Fagenion*
22											0.6	99.4		beech_f	*Cephalanthero-Fagenion*
23		4.6	94.9									0.2		fir	*Galio-Abietenion*
24												98.7		beech_f	*Luzulo-Fagion*
25		18.5	0.6									77.1		beech_f	*Luzulo-Fagion*
27	0.6	0.6	70.2			3.4								fir	*Deschampsio flexuosae-Abietetum*
28							78.5				21.4			thermoak	*Quercion pubescenti-petraeae*
29						3.8	48.1						48.1	thermoak	*Quercion pubescenti-petraeae*
30						1.9	63.3				10.7		24.0	thermoak	*Quercion pubescenti-petraeae*
31							100.0							thermoak	*Aceri tatarici-Quercion*
32							89.1							thermoak	*Aceri tatarici-Quercion*
33						3.3	96.7							thermoak	*Quercion petraeae*
34							70.7						25.0	thermoak	*Quercion petraeae*
35	50.0						40.0							thermoak	*Quercion petraeae*
36		0.5					83.5						0.5	acid_oak	*Genisto germanicae-Quercion*
37	5.4			26.8		0.9	67.0							acid_oak	*Genisto germanicae-Quercion*
38	50.0						50.0							acid_oak	*Genisto germanicae-Quercion*
39	33.0						54.9							acid_oak	*Genisto germanicae-Quercion*
40	73.7													pine_f	*Erico-Pinion*
41	38.2	32.9		27.4										pine_f	*Dicrano-Pinion*
42	97.2			1.3										pine_f	*Dicrano-Pinion*
43		45.5												spruce_f	*Piceion excelsae*
44		98.3												spruce_f	*Piceion excelsae*
45		94.3												spruce_f	*Athyrio alpestris-Piceion*
46	98.1	0.1												subalp	*Pinion mughi*

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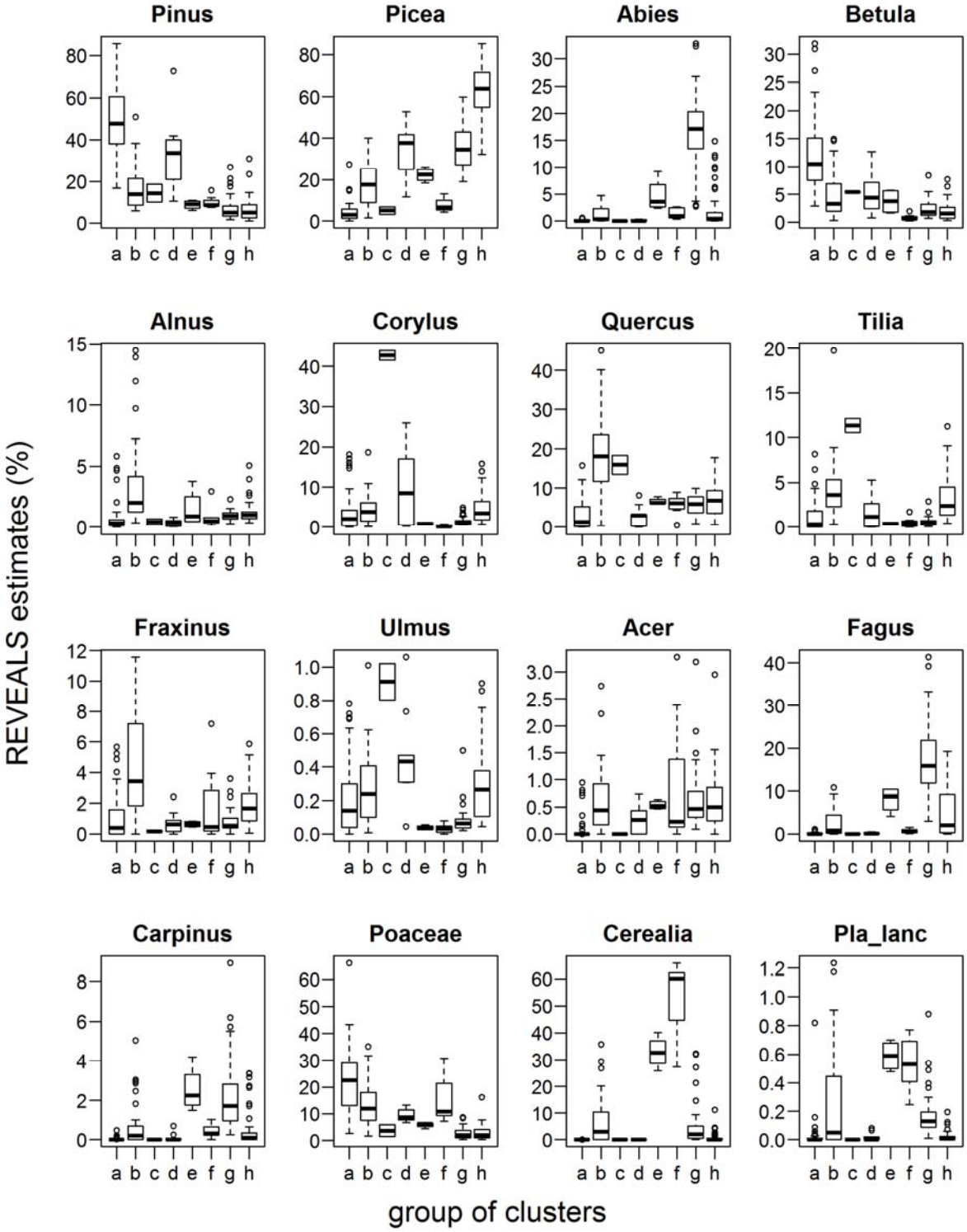
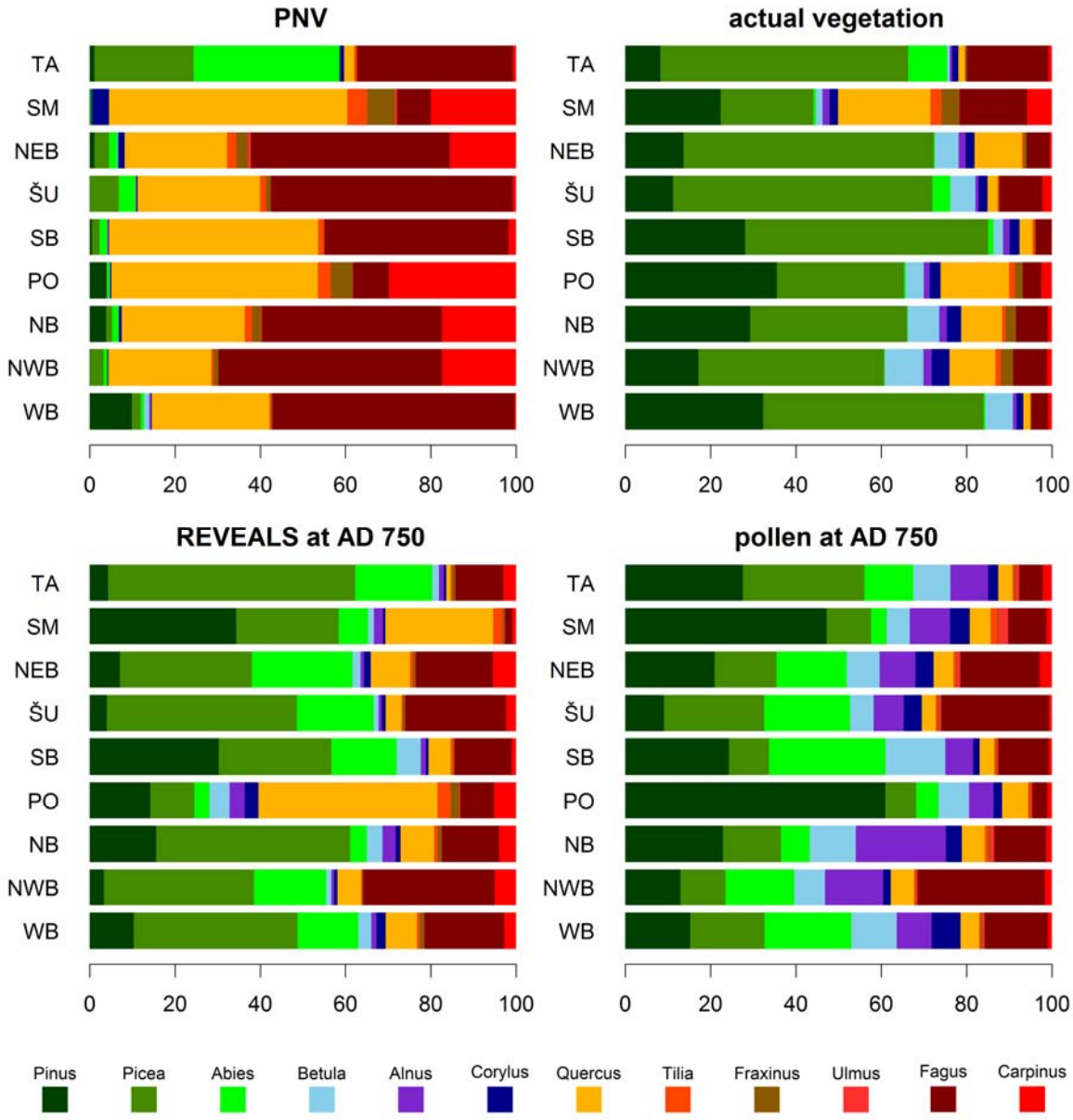
Electronic Appendix 5: Boxplots of taxa abundances in each vegetation cluster description of clusters corresponds to Figure 3.

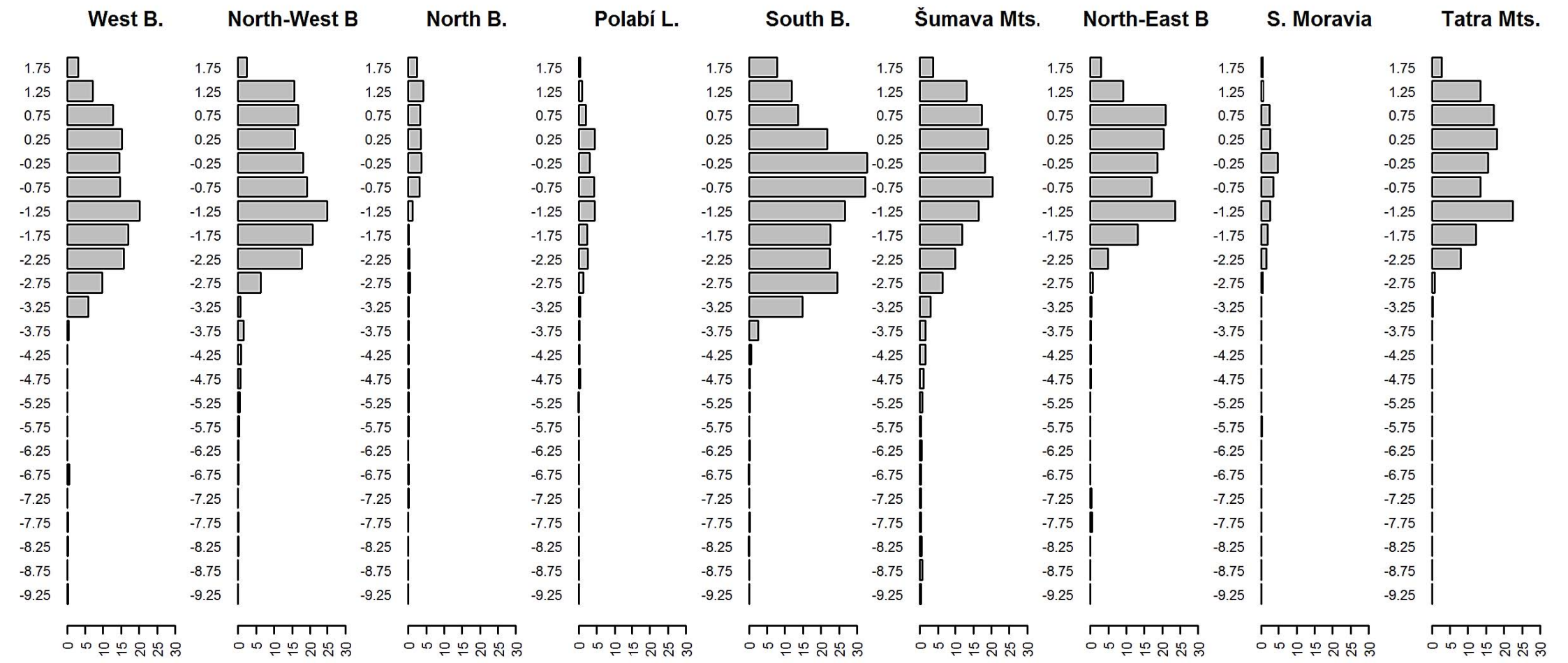


Electronic Appendix 6. Bar plots comparing of PNV, actual vegetation, REVEALS at AD 750 (RV) and pollen percentages. Colours correspond to Fig. 1. and Fig. 2.



Electronic Appendix 7. REVEALS estimates for each taxon. Black bars indicate regions where input pollen counts of *Alnus* remained unchanged and where it was impossible to obtain a reliable average as regional signal. Dashed fields indicate periods in which all occurrences of Cerealia were excluded due to incorrectly determined large grasses.

Abies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North B.
Polabí L.
South B.
Šumava Mts.
North-East B
S. Moravia
Tatra Mts.
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-0.75
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-2.25
-2.75
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-3.75
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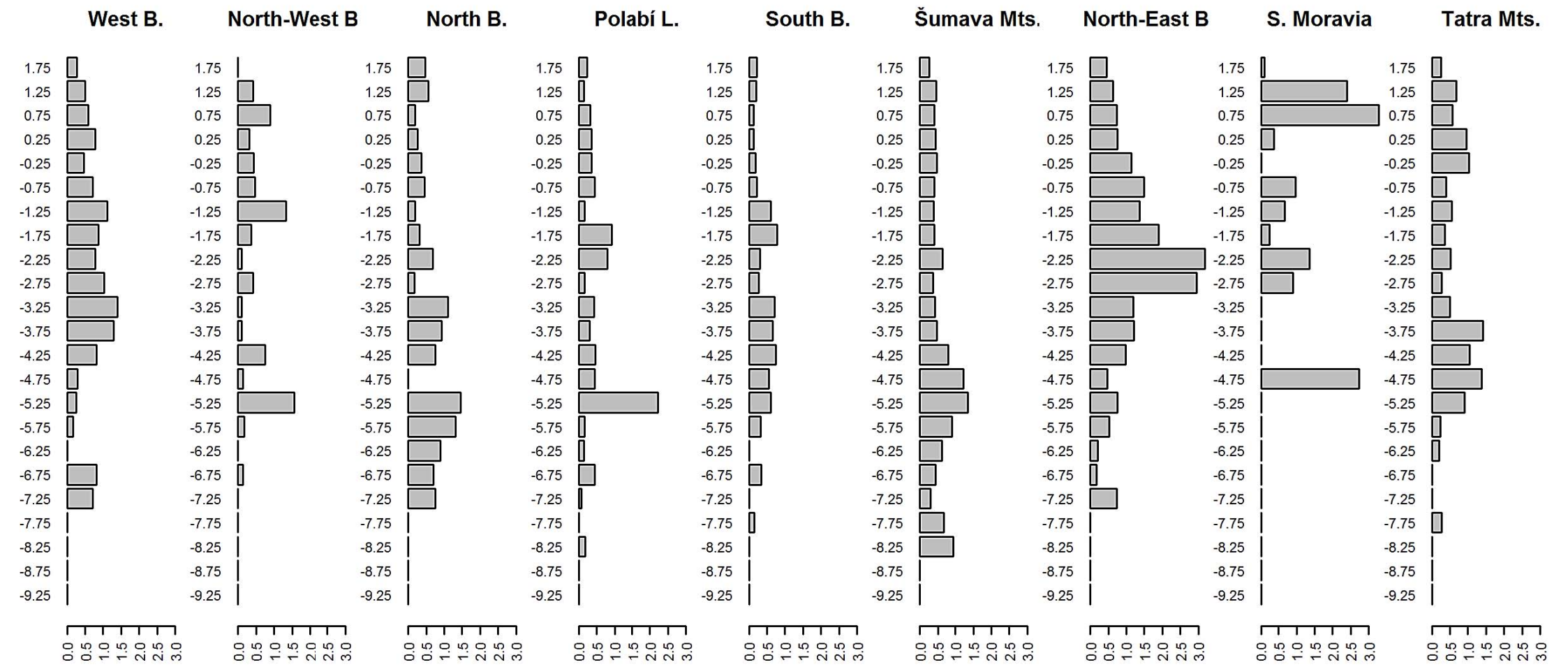
Acer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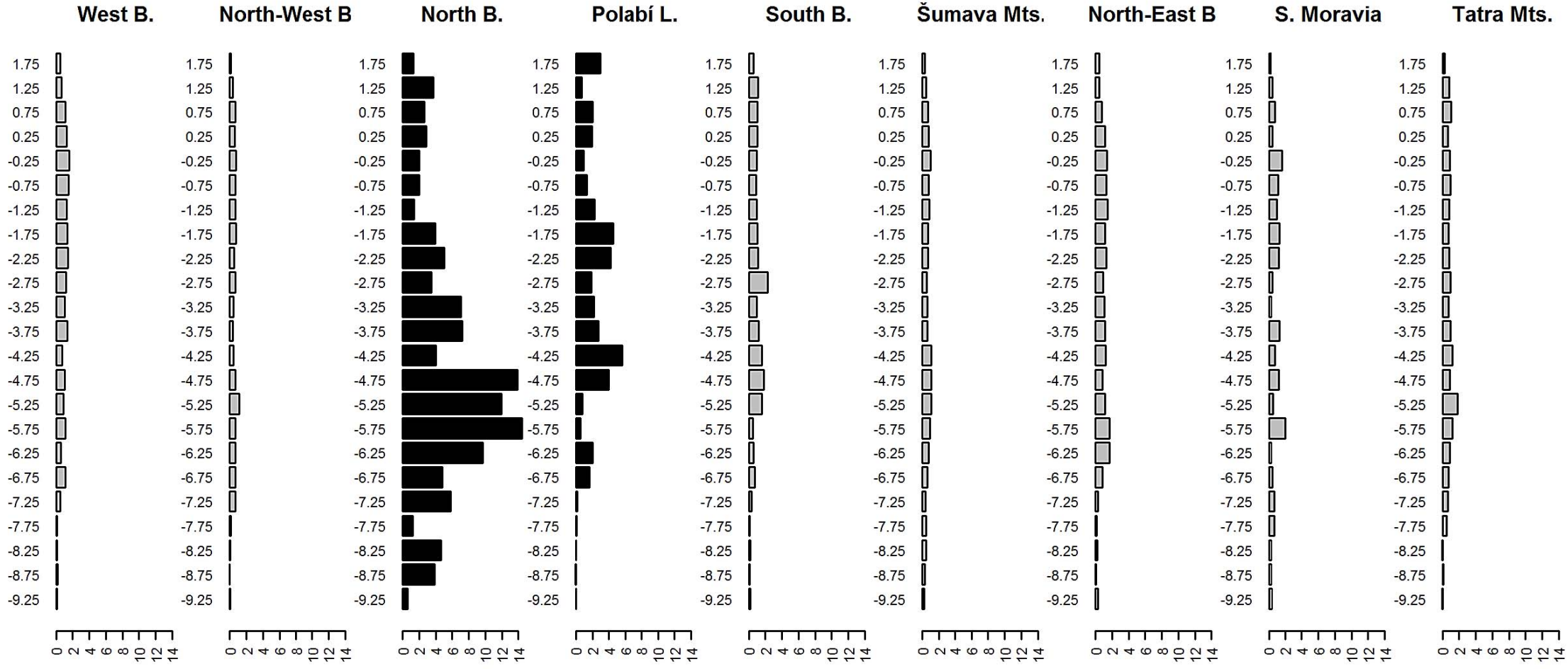
Alnus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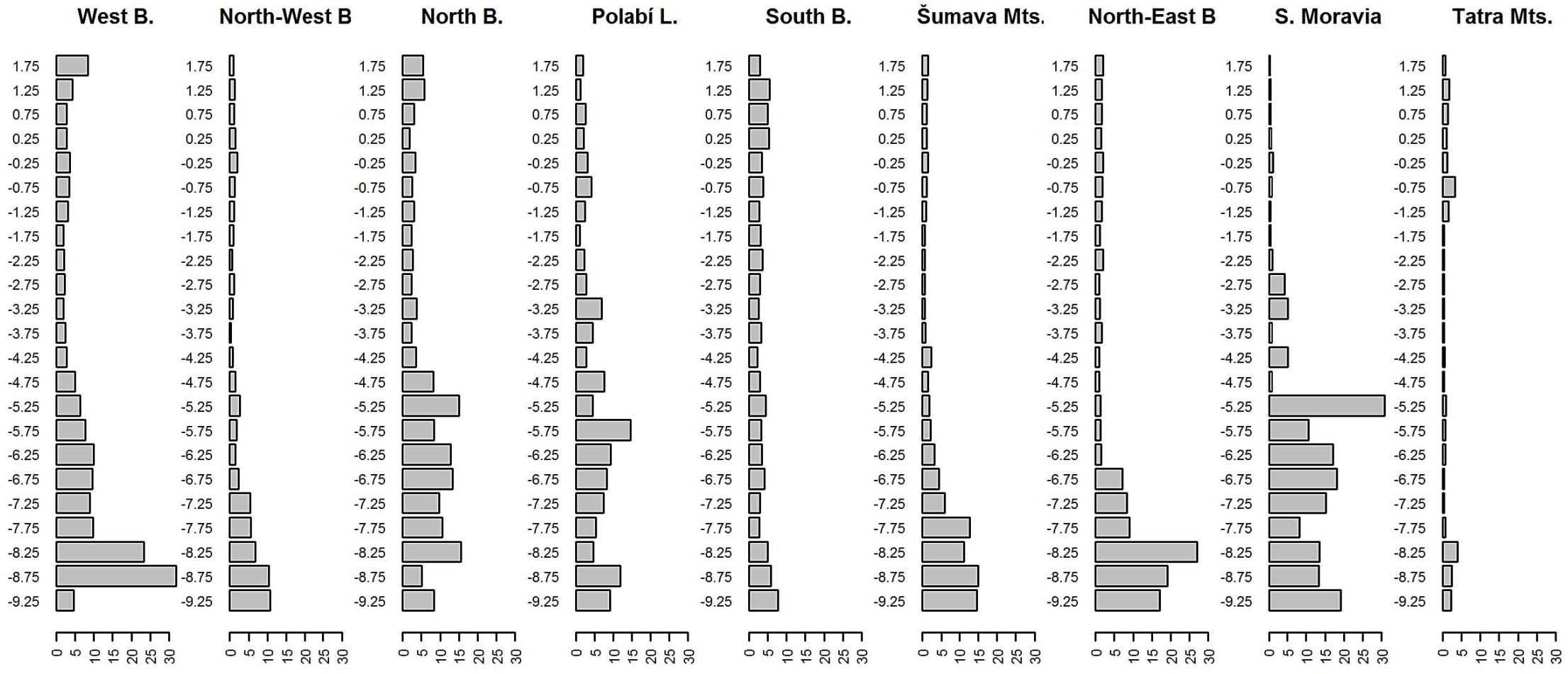
Betula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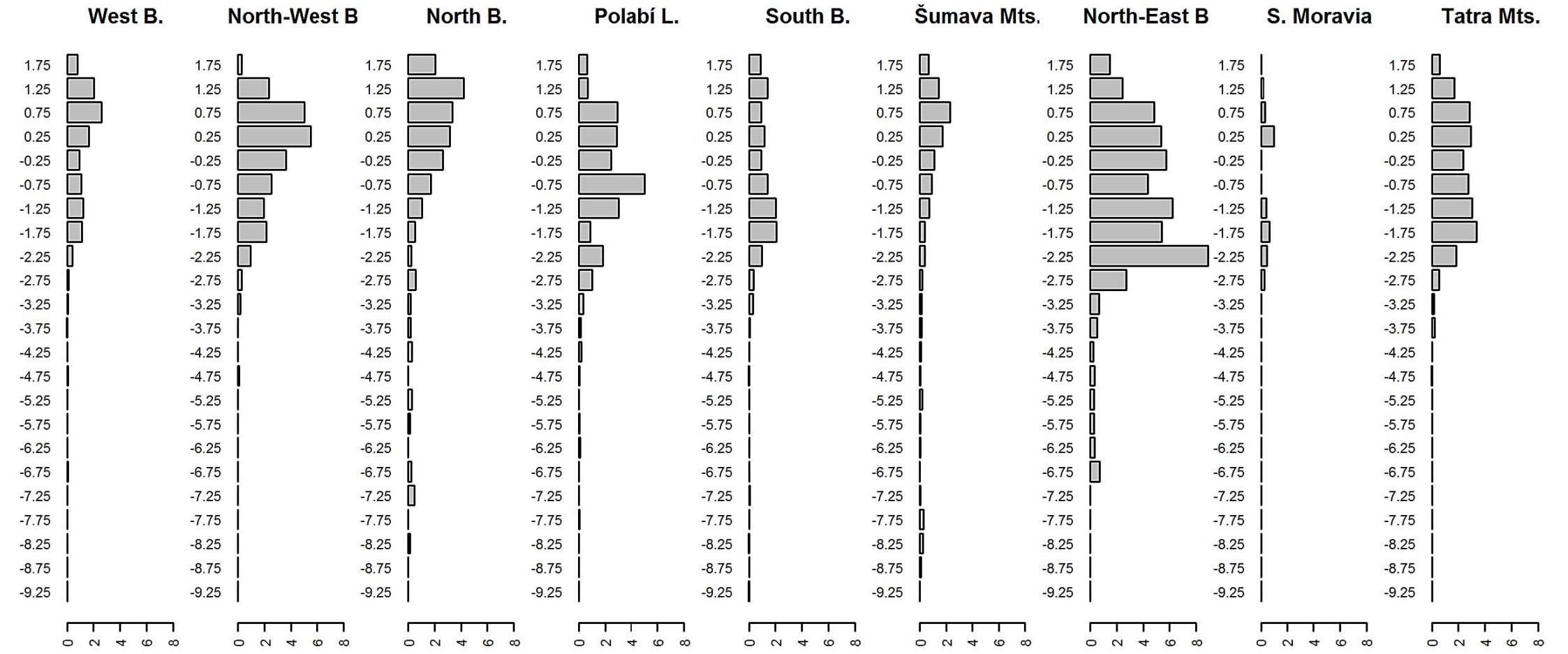
Carpinus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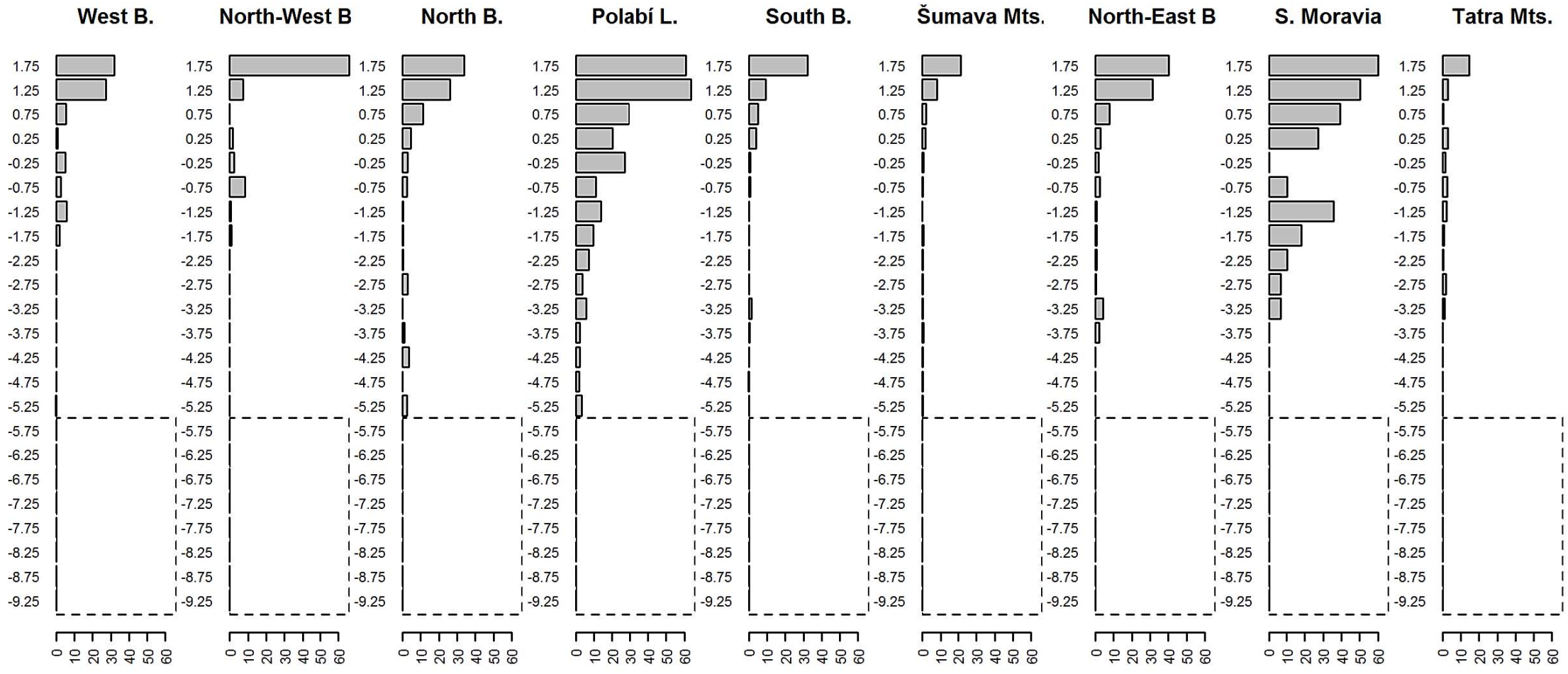
Cerealia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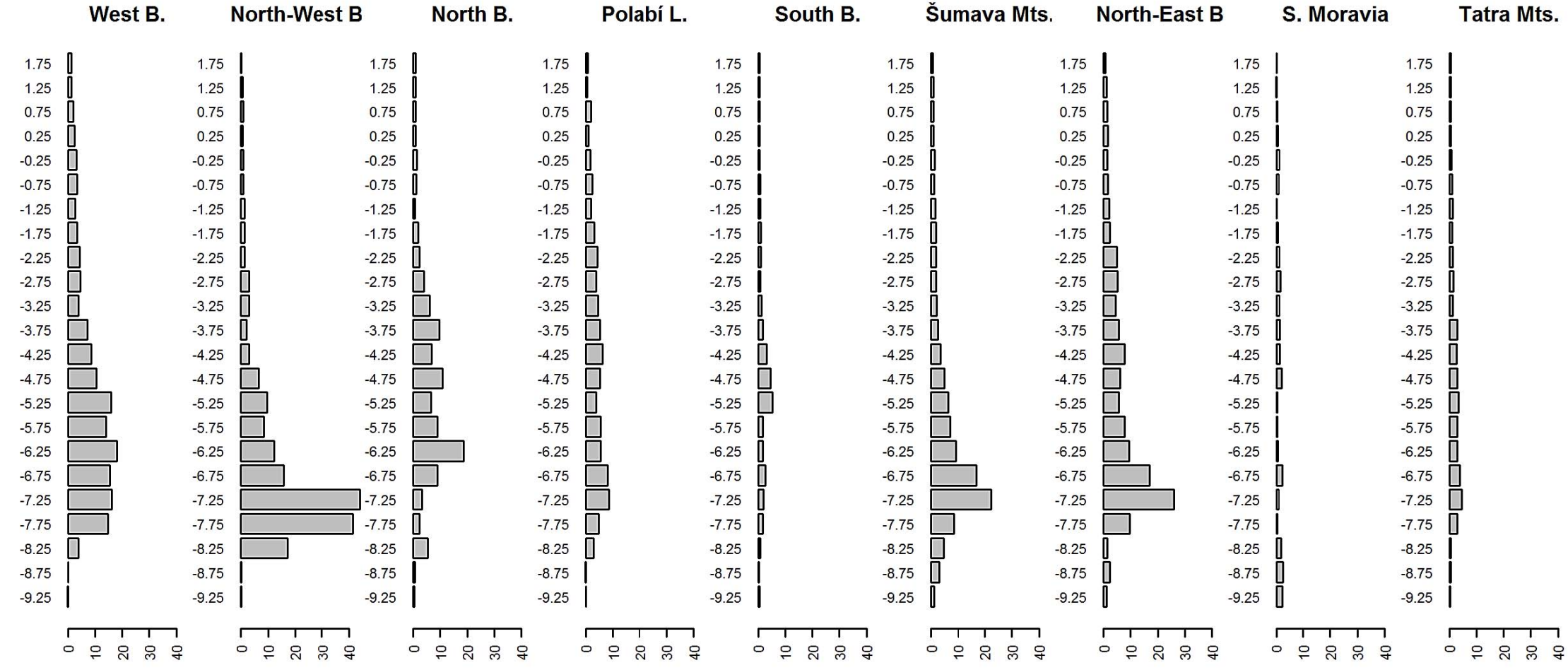
Corylus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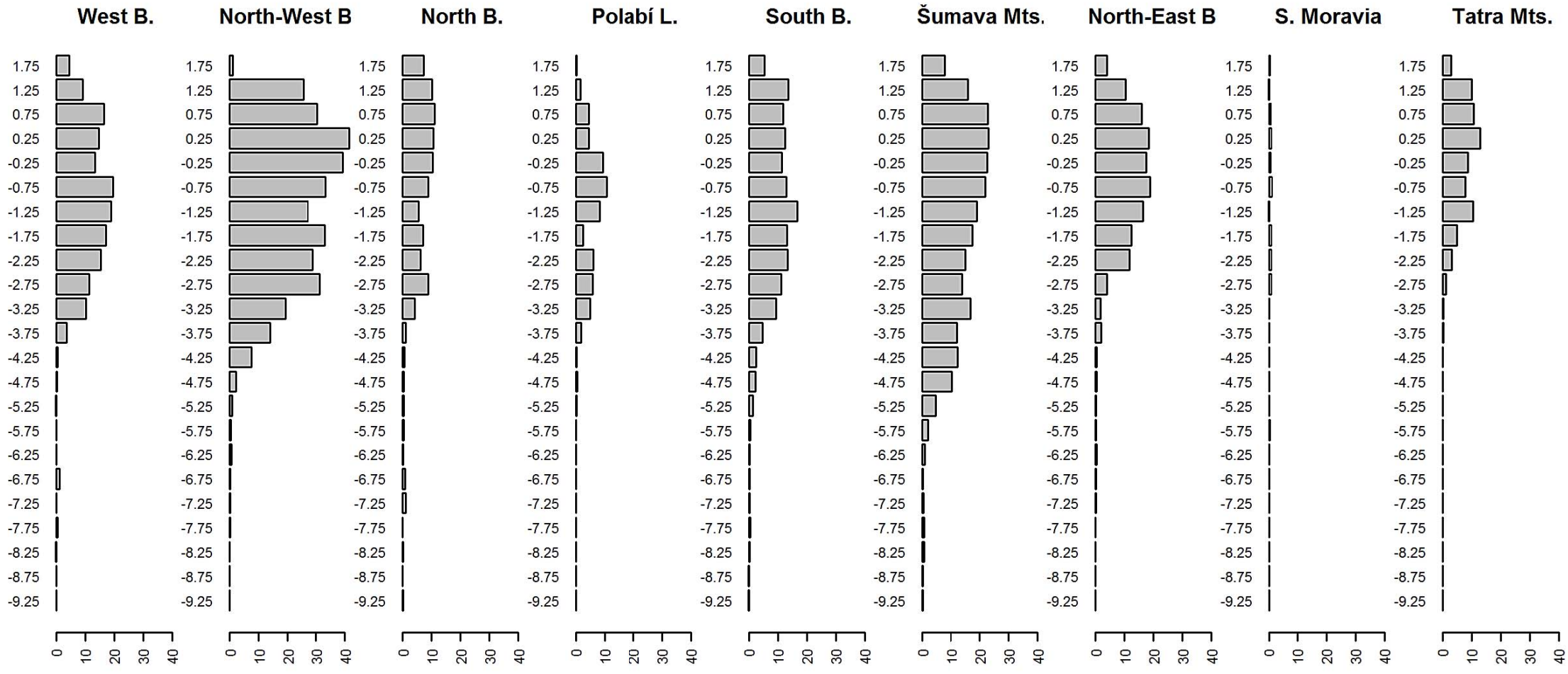
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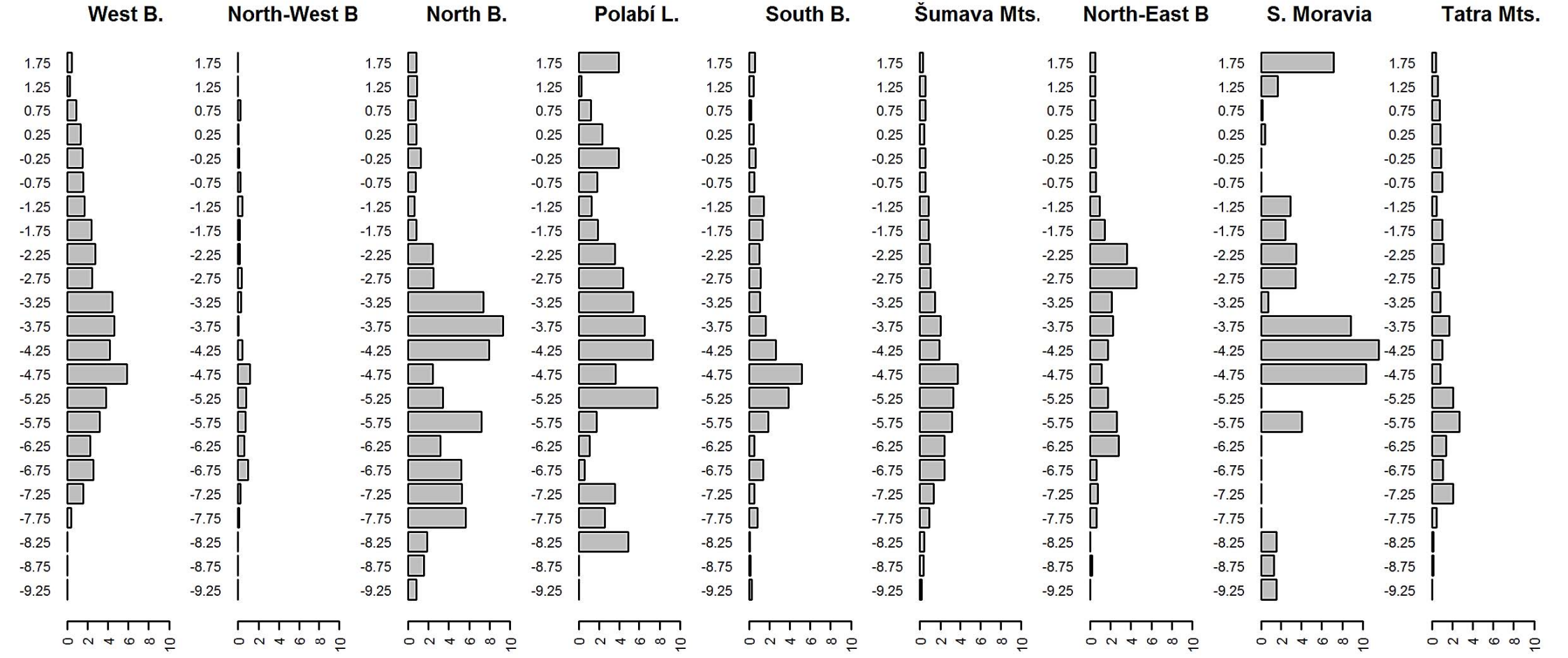
Fraxinus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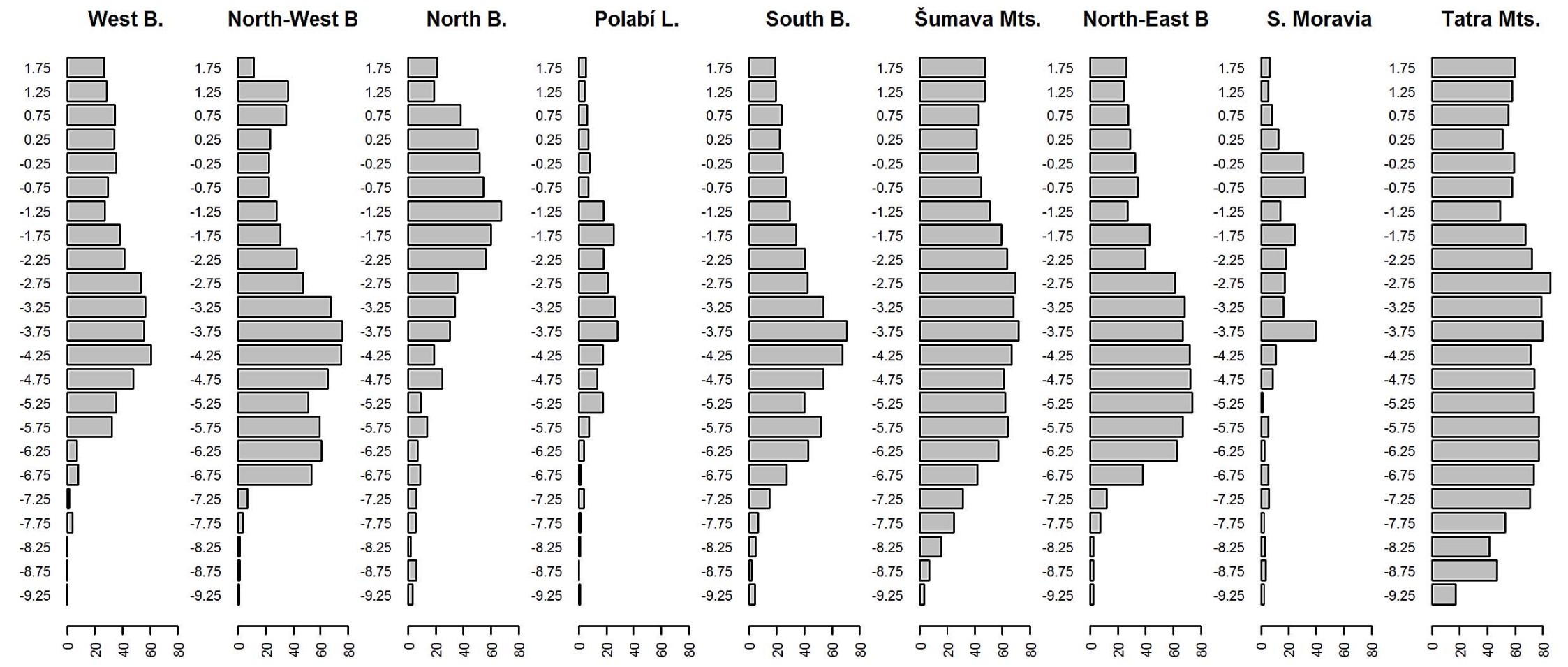
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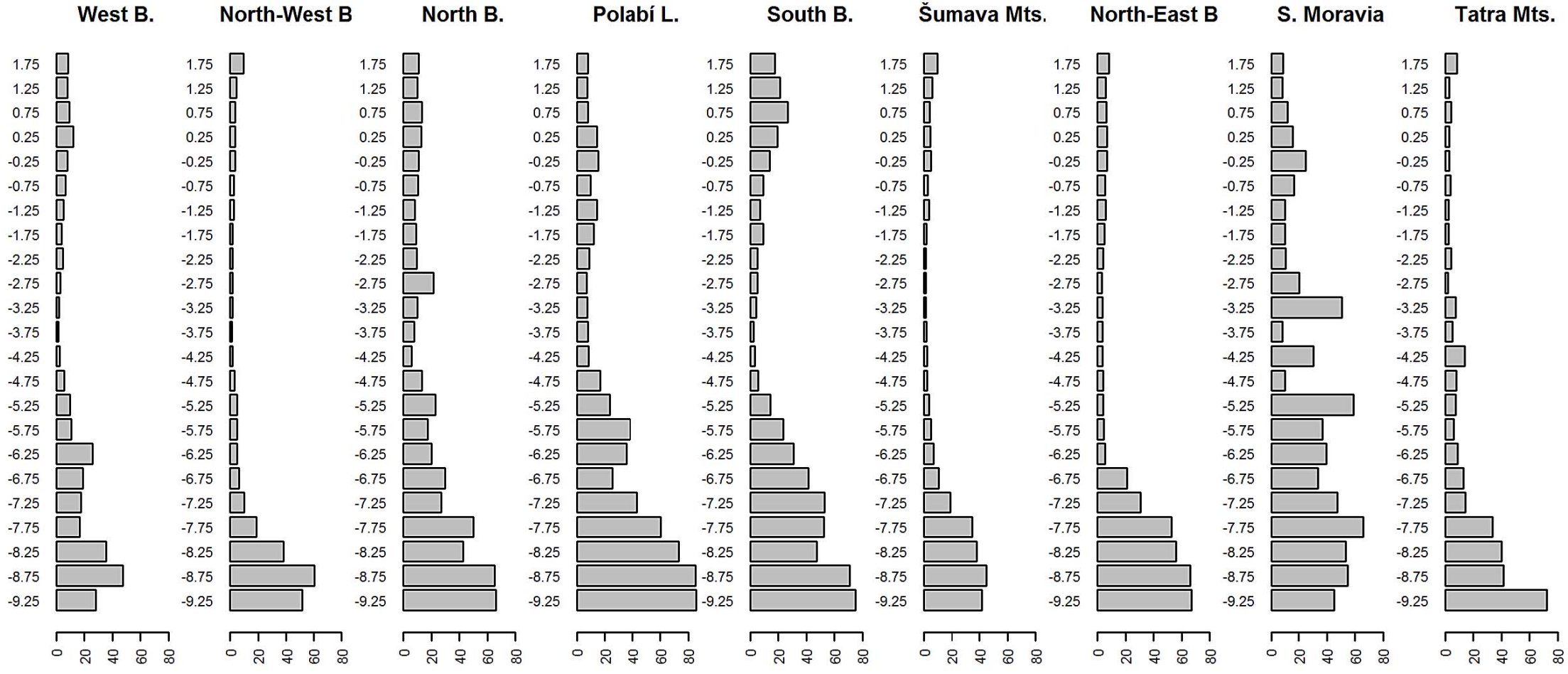
Pinus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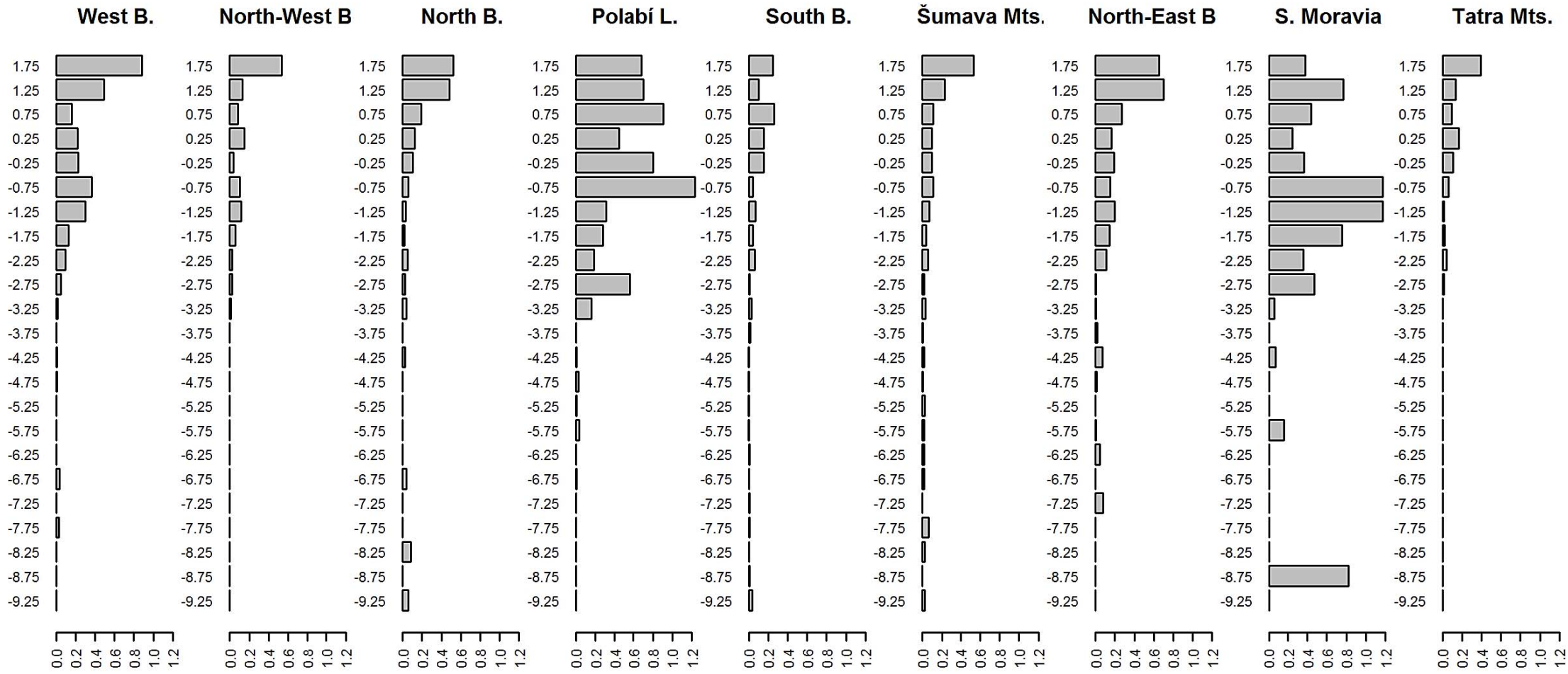
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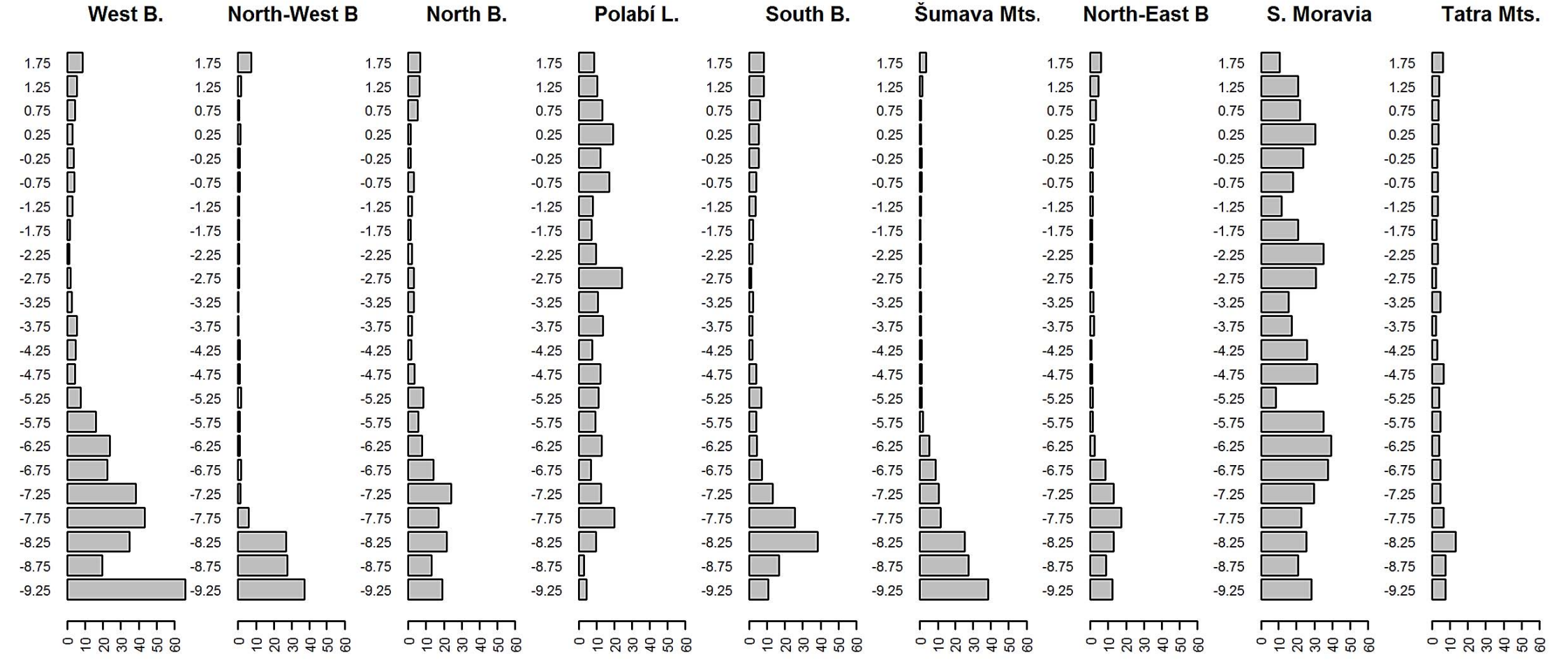
Poaceae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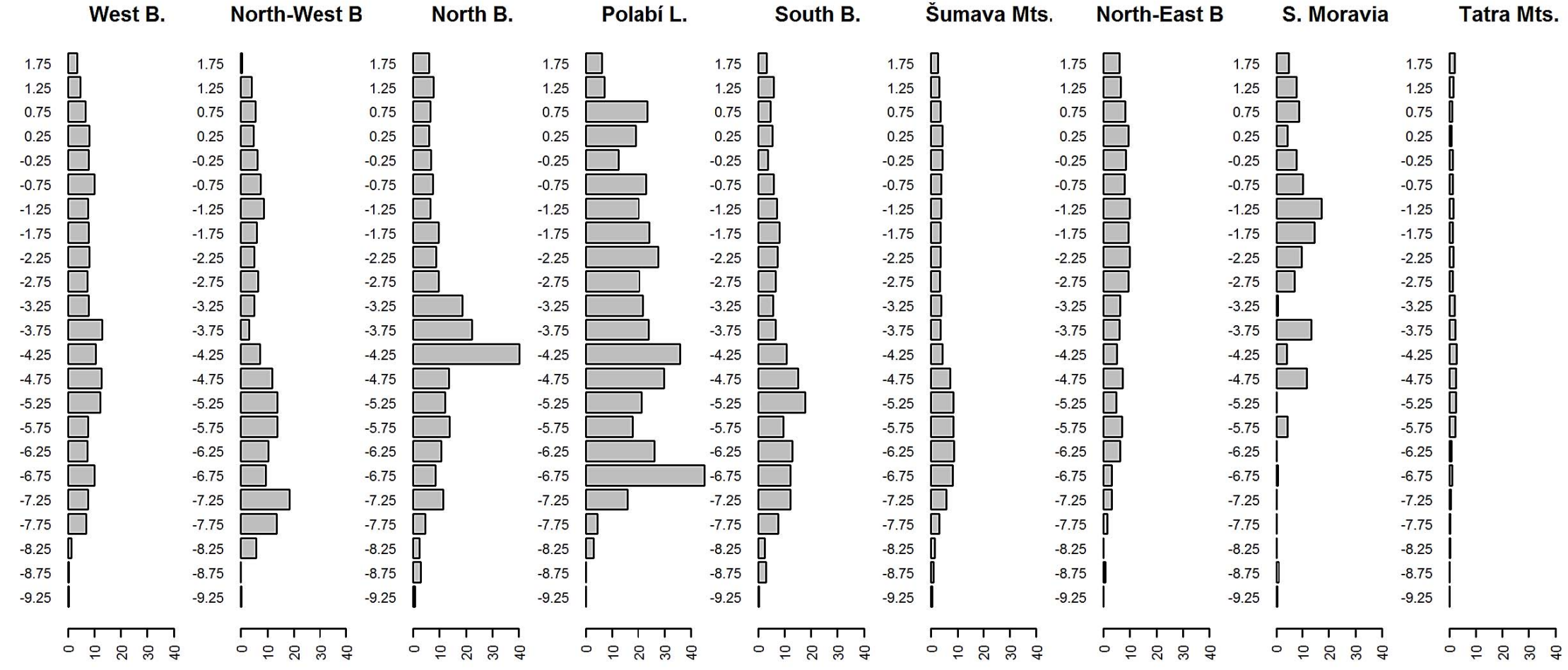
Quercus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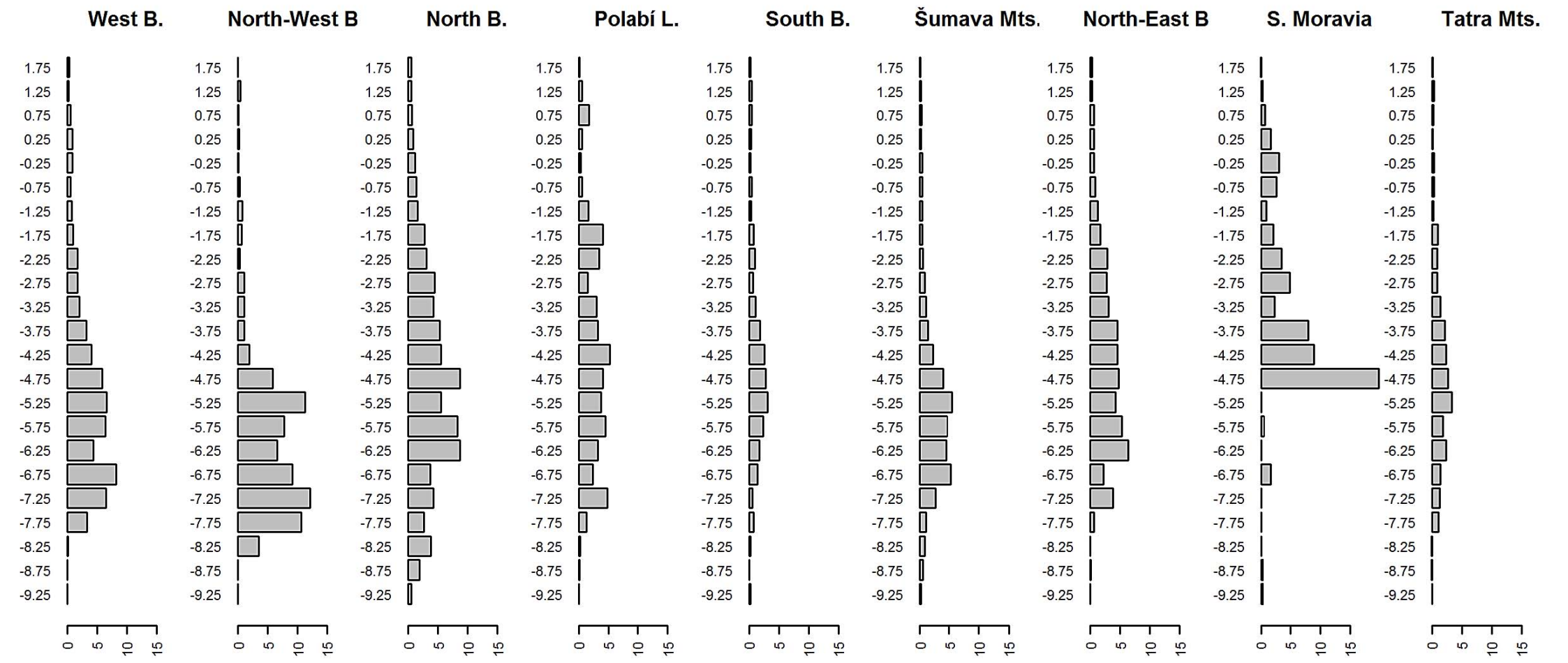
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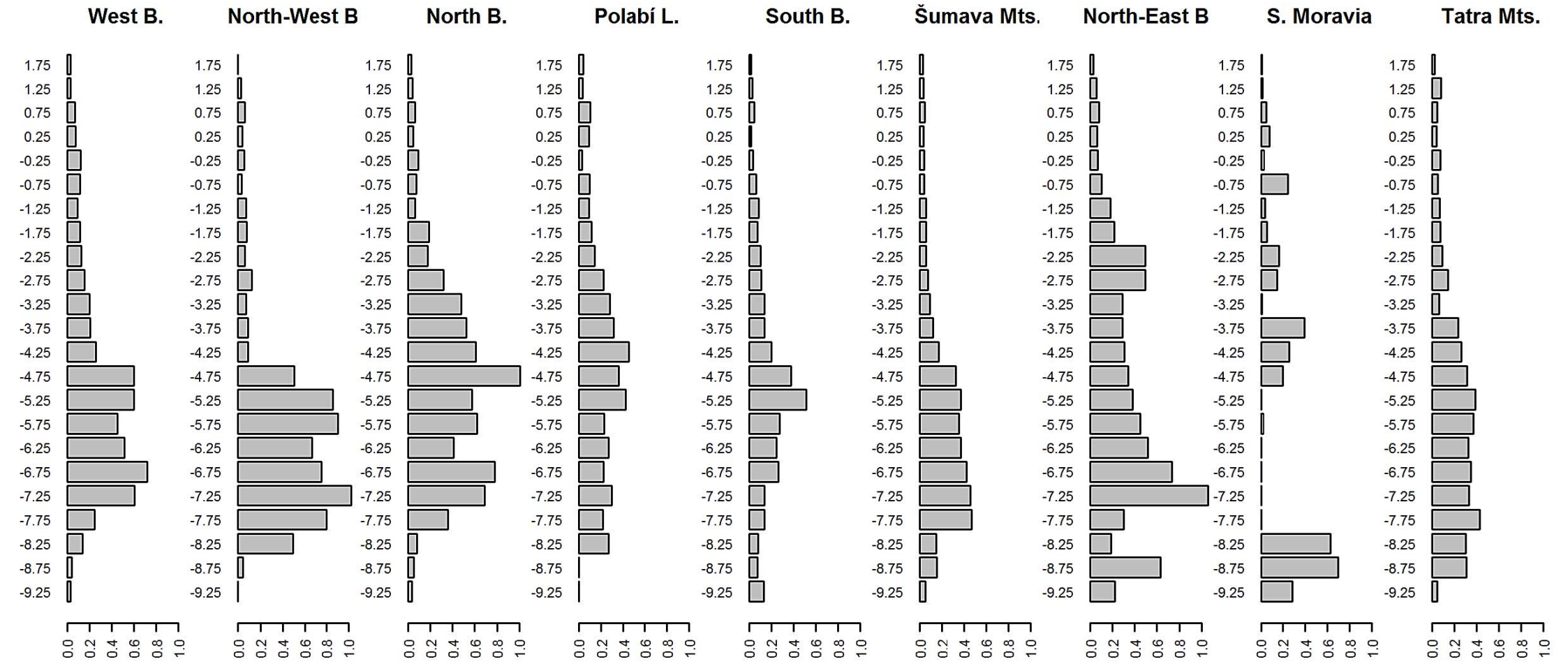
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