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Shifts in the arbuscular mycorrhizal fungal community composition of *Betula alnoides* along young, middle-aged plantation and adjacent natural forest

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Supplementary Material

Tab. S1 - Sequences numbers and derived OTUs in the present study.

Taxonomy	Sequences	OTUs
Archaeosporales; Archaeosporaceae; <i>Archaeospora</i>	7	2
Archaeosporales; Archaeosporaceae; unclassified	592	7
Diversisporales; Acaulosporaceae; <i>Acaulospora</i>	57689	14
Diversisporales; Diversisporaceae; <i>Redeckera</i>	4	1
Diversisporales; Gigasporaceae; <i>Scutellospora</i>	283	1
Diversisporales; Gigasporaceae; unclassified	1729	2
Diversisporales; Gigasporaceae; <i>Gigaspora</i>	2276	2
Glomerales; Glomeraceae; <i>Glomus</i>	206219	71
Paraglomerales; Paraglomeraceae; <i>Paraglomus</i>	83	3
unclassified Glomeromycetes	248	16

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Tab. S2 - Numbers of sequences (A) and derived OTUs (B) in the genus of Glomeromycota in different study plots.

(A)

Taxonomy (Sequences)	P3y_1	P3y_2	P3y_3	P3y_4	P3y_5	P12y_1	P12y_2	P12y_3	P12y_4	P12y_5	N_1	N_2	N_3	N_4	N_5
Archaeosporales; Archaeosporaceae; <i>Archaeospora</i>	6	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Archaeosporales; Archaeosporaceae; unclassified	27	19	54	143	0	28	27	44	48	28	61	11	91	11	
Diversisporales; Acaulosporaceae; <i>Acaulospora</i>	4881	1553	712	2000	732	841	1424	2812	1661	2387	4030	2050	15965	6245	10396
Diversisporales; Diversisporaceae; <i>Redeckera</i>	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
Diversisporales; Gigasporaceae; <i>Scutellospora</i>	0	0	0	0	8	0	0	0	18	257	0	0	0	0	0
Diversisporales; Gigasporaceae; unclassified	163	0	0	0	0	100	1065	106	38	2	26	198	0	31	0
Diversisporales; Gigasporaceae; <i>Gigaspora</i>	736	0	26	0	133	0	192	39	17	4	0	46	0	88	995
Glomerales; Glomeraceae; <i>Glomus</i>	12109	16244	17118	15789	17069	16972	15234	14930	16155	15260	13745	15637	1886	11537	6534
Paraglomerales; Paraglomeraceae; <i>Paraglomus</i>	0	75	0	1	0	0	0	7	0	0	0	0	0	0	0
unclassified Glomeromycetes	20	51	32	9	0	0	0	4	5	0	80	0	0	30	17
<i>Sum</i>	17942	17942	17942	17942	17942	17942	17942	17942	17942	17942	17942	17942	17942	17942	17942

(B)

Taxonomy (OTUs)	P3y_1	P3y_2	P3y_3	P3y_4	P3y_5	P12y_1	P12y_2	P12y_3	P12y_4	P12y_5	N_1	N_2	N_3	N_4	N_5
Archaeosporales; Archaeosporaceae; <i>Archaeospora</i>	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Archaeosporales; Archaeosporaceae; unclassified	2	4	4	7	0	3	4	5	5	4	3	1	3	3	0
Diversisporales; Acaulosporaceae; <i>Acaulospora</i>	8	2	4	6	6	2	7	4	7	8	7	4	5	6	5
Diversisporales; Diversisporaceae; <i>Redeckera</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Diversisporales; Gigasporaceae; <i>Scutellospora</i>	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0
Diversisporales; Gigasporaceae; unclassified	2	0	0	0	0	1	1	1	1	1	1	1	0	1	0
Diversisporales; Gigasporaceae; <i>Gigaspora</i>	2	0	1	0	1	0	1	1	1	1	0	1	0	1	1
Glomerales; Glomeraceae; <i>Glomus</i>	28	37	22	20	41	33	30	44	43	46	28	37	4	26	14
Paraglomerales; Paraglomeraceae; <i>Paraglomus</i>	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
unclassified Glomeromycetes	1	4	5	2	0	0	0	1	2	0	2	0	0	2	2
<i>Sum</i>	45	48	36	36	49	40	43	57	60	62	41	44	12	39	22

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Tab. S3 - Permutation test for adonis under reduced model.

Variable	Factor	df	Sum of Squares	R ²	F	Pr (>F)
RA of morphospecies	year	1	0.2758	0.1320	1.9775	0.1480
	Residual	13	1.8134	0.8680		
	Total	14	2.0892	1.0000		
OTUs abundance	year	1	1.3424	0.3586	7.2688	<0.001 ***
	Residual	13	2.4009	0.6414		
	Total	14	3.7433	1.0000		

Fig. S1 - Rarefaction curve of Sobs OTU index for different study stands.

