

Supplementary Materials

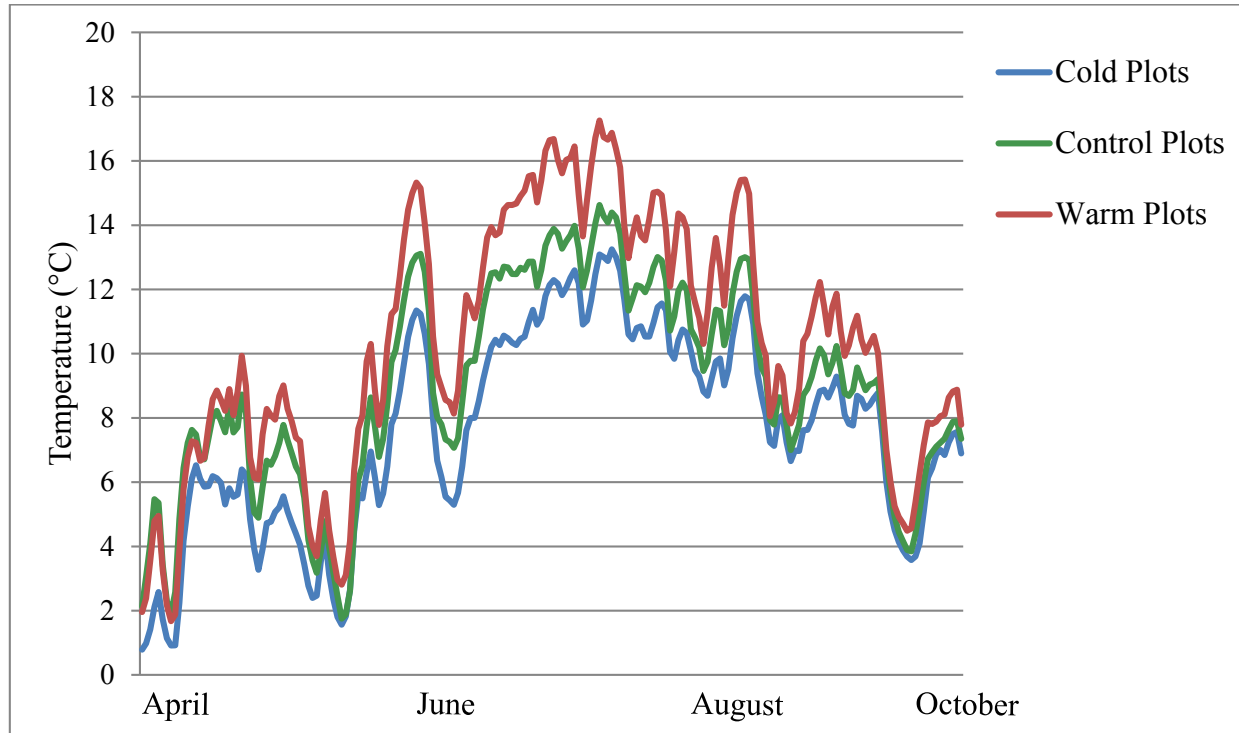


Figure S1. Soil temperatures in the manipulated plots (W, K) and in control plots (CO) during the vegetation period 2013.

Table S1. Potentially mycorrhizal OTUs detected on *Pinus cembra* root tips and/or in in-growth mesh bags (MB) buried during the vegetation period 2013. (x = detected) EM = ectomycorrhiza, AM = arbuscular mycorrhiza, DSE = dark septate endophytes.

OTU	Closest BLAST Match	Acc. Nr	GenBank Acc.Nr	EM	MB	Function
OTU8	<i>Amphinema byssoides</i>	AY838271	KM504494	x	x	EM
OTU2	<i>Rhizopogon salebrosus</i>	AY880931	KM504487	x	x	EM
OTU3	<i>Suillus plorans</i>	AJ272417	KM504489	x	x	EM
OTU5	<i>Suillus sibiricus</i>	AF166512	KM504491	x	x	EM
OTU4	<i>Thelephora terrestris</i>	HM189965	KM504490	x	x	EM
OTU13	<i>Articulospora tetraccladia</i> 1	EU998918	KM504496	x	-	EM/DSE
OTU17	<i>Articulospora tetraccladia</i> 2	EU998923	KM504503	x	-	EM/DSE
OTU6	<i>Ceratobasidium</i> sp.	KF646110	KM504492	x	-	EM
OTU9	<i>Cortinarius anomalus</i>	AY669645	KM504495	x	-	EM
OTU124	<i>Glomeromycetes</i> sp.	JQ272369	KM504469	-	x	AM
OTU18	<i>Helotiales</i> sp. 1	AB598090	KM504504	x	-	EM
OTU42	<i>Helotiales</i> sp. 3	KF156308	KM504511	-	x	EM
OTU15	<i>Helotiales</i> sp. 4	KF156308	KM504501	x	-	EM
OTU11	<i>Lactarius deterrimus</i>	DQ658871	KM504498	x	-	EM
OTU20	<i>Lactarius rufus</i>	KF241543	KM504505	x	-	EM
OTU21	<i>Meliniomyces bicolor</i>	HM190124	KM504506	-	x	EM
OTU7	<i>Phialocephala fortinii</i> 1	AB671499	KM504493	x	-	EM/DSE
OTU14	<i>Phialocephala fortinii</i> 2	AY394921	KM504500	x	-	EM/DSE

Table S1. Cont.

OTU	Closest BLAST Match	Acc. Nr	GenBank Acc.Nr	EM	MB	Function
OTU29	<i>Phialocephala fortinii</i> 3	AY524846	KM504510	x	-	EM/DSE
OTU16	<i>Rhizopogon rubescens</i>	GQ267486	KM504502	x	-	EM
OTU50	<i>Rhizoscyphus ericae</i>	AY762620	KM504414	-	x	Ericoid
OTU93	<i>Sebacina</i> sp.	DQ520096	KM504448	-	x	EM
OTU77	<i>Sebacinales</i> sp.	JQ272430	KM504437	-	x	EM
OTU76	<i>Sistotrema</i> sp.	AY805624	KM504436	-	x	EM
OTU1	<i>Suillus placidus</i>	L54118	KM504488	x	-	EM
OTU81	<i>Suillus</i> sp.	AF166512	KM504439	-	x	EM
OTU12	<i>Wilcoxina</i> sp.	HM036641	KM504499	x	-	EM
OTU10	<i>Xerocomus ferrugineus</i>	DQ066401	KM504497	x	-	EM

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