

Table S1. Frequency of mycorrhizal fungal taxa of 1-year old Scots pine seedlings growing in different microsites created by MSP methods. Different letters indicate significant differences according to the Tukey test, $P < 0.05$.

Fungal Taxa	Forest Plough		Active Plough		Forest Mill	Without MSP	p
	Ridge	Furrow	Ridge	Furrow	Strip		
Ascomycetes							
<i>Acephala macrosclerotiorum</i>		0.88			0.86	1.14	
<i>Cenococcum geophilum</i>	2.68 a	10.62 b	31.48 c	10.62 b	17.24 b	26.14 c	<0.0001
<i>Helotiales</i> sp.		1.77	0.93	2.65			
<i>Hyaloscypha bicolor</i>	8.04 a	12.39 c	8.33 a	9.73 b	8.62 a		0.0231
<i>Hyaloscypha finlandica</i>	0.89 a	2.65 b		1.77 a	2.59 b	4.55 c	0.0006
<i>Hyaloscypha variabilis</i>	4.46 b	1.77 a	0.93		6.03 c	7.95 c	<0.0001
<i>Hyaloscypha</i> sp.	5.36					1.14	
<i>Wilcoxins mikolae</i>	98.21 b	91.15 a	98.15 b	99.12 c	96.55 ab	97.73 b	0.0042
<i>Wilcoxina rehmsii</i>		2.65			0.86		
<i>Wilcoxina</i> sp.						1.14	
Basidiomycetes							
<i>Amanita pantherina</i>		3.54				3.41	
<i>Amanita spissa</i>		0.88					
<i>Boletus edulis</i>				2.65			
<i>Boletus ferrugineus</i>				0.88			
<i>Cantharellus cibarius</i>		1.77					
<i>Cortinarius bataillei</i>			0.93				
<i>Cortinarius cinnamomeus</i>			0.93		7.76		
<i>Cortinarius croceus</i>	0.89				3.45		
<i>Inocybe lacera</i>		1.77 a	0.93 a	1.77 a	0.86 a	2.27 a	0.4352
<i>Inocybe umbrina</i>		1.77					
<i>Laccaria proxima</i>					2.59		
<i>Lactarius rufus</i>			0.93				

<i>Paxillus involutus</i>			0.93		2.59		
<i>Piloderma olivaceum</i>					0.86		
<i>Piloderma sphaerosporum</i>		1.77	0.93			1.14	
<i>Rhizopogon evadens</i>					6.03		
<i>Rhizopogon roseolus</i>			0.88				
<i>Rhizopogon rubescens</i>						2.27	
<i>Russula adusta</i>		0.88					
<i>Russula aeruginea</i>		0.88					
<i>Russula decolorans</i>	0.89 a	1.77 a	12.96 b	1.77 a	1.72 a	12,50 b	<0.0001
<i>Russula emetica</i>						1.14	
<i>Russula paludosa</i>	5.36 a	0.88 a	2.78 a	2.65 a		3.41	0.1981
<i>Russula vesca</i>						1.14	
<i>Russula vinosa</i>	2.68		0.93			1.14	
<i>Russula</i> sp.	0.89						
<i>Suillus bovinus</i>	0.89 a	1 77 ab	0.93 a	2.65 b	3.45 c	3.41 c	0.0321
<i>Suillus granulatus</i>					1.72		
<i>Suillus luteus</i>	0.89 a	2.65 b		3.54 c	3.45 bc	1.14 a	0.0098
<i>Suillus variagatus</i>					2.59		
<i>Thelephora terrestris</i>	1.79 a	6.19 b	8.33 c	1.77 a	4.31 b	11.36 d	<0.0001
<i>Tomentella badia</i>		0.88				1.14	
<i>Tomentella</i> sp.				0.88			
<i>Tomentelopsis</i> sp.					1.72	2.27	
<i>Tylospora asterophora</i>	3.57 ab	16.81 d	2.78 a	12.39 c	7.76 b	1.14 a	<0.0001
<i>Xerocomus badius</i>	0.89				1.72	6.82	

Table S2. Values of Spearman rank coefficients for the correlation between soil features and the relative abundance of mycorrhizal fungal species. Bold values indicate differences significant at $P \leq 0.05$.

Fungal Taxa/ Feature	pH (KCl)	Norg	Corg	C/N	P2O5	Ca2+	K+	Mg2+	Na+	Exchangeable Acidity	Bulk Density	Actual Moisture	Sand (%)	Silt (%)	Clay (%)
Ascomycetes															
<i>Acephala macrosclerotiorum</i>	0.0207	-0.2147	-0.2147	0.2656	0.3737	-0.2688	-0.2688	-0.2147	0.0207	-0.0525	0.2688	0.1288	0.3912	-0.4183	-0.401
<i>Cenococcum geophilum</i>	-0.571	0.2797	0.3168	0.3127	-0.1063	0.2797	0.3003	0.3106	0.1311	0.5026	-0.1992	0.1476	-0.1641	0.418	-0.0392
<i>Helotiales sp.</i>	0.3729	-0.3854	-0.3854	-0.367	0.4832	-0.3712	-0.3344	-0.3344	0.1658	-0.4435	0.3797	-0.1828	0.4067	-0.401	-0.3828
<i>Hyaloscypha bicolor</i>	0.443	-0.1904	-0.2282	-0.0999	0.143	-0.265	-0.2598	-0.2598	-0.4154	-0.2366	0.3565	-0.386	0.0999	-0.2861	0.1973
<i>Hyaloscypha finlandica</i>	0.2826	-0.3894	-0.4126	0.0364	0.3023	-0.3552	-0.4104	-0.3861	-0.2273	-0.2339	0.4214	-0.0552	0.5075	-0.3221	-0.4067
<i>Hyaloscypha variabilis</i>	-0.1876	0.0363	0.0363	-0.1201	0.1462	-0.0011	0.1484	0.0986	0.3988	-0.0113	-0.0963	-0.2221	0.0952	0.1699	-0.3911
<i>Hyaloscypha sp.</i>	-0.0303	0.0775	0.0775	-0.1134	0.1058	0.1096	0.1776	0.1455	0.3855	0.1058	-0.257	0.446	0.0265	0.1379	-0.2524
<i>Wilcoxina mikolae</i>	0.4574	-0.515	-0.4737	-0.0464	0.3622	-0.4737	-0.4303	-0.4262	0.2446	-0.6078	0.4551	-0.1393	0.5067	-0.5397	-0.4347
<i>Wilcoxina rehmsii</i>	0.2023	-0.223	-0.223	0.0132	0.0151	-0.1909	-0.155	-0.155	-0.1739	-0.1228	0.291	0.0888	0.1833	-0.0831	-0.2193
<i>Wilcoxina sp.</i>	-0.3976	0.0701	0.0701	0.3974	-0.1636	0.0701	-0.0701	0.0234	-0.2104	0.3974	-0.0234	0.3974	0.0234	-0.0701	0.0234
Basidiomycetes															
<i>Amanita pantherina</i>	-0.1383	-0.1445	-0.1445	0.5321	-0.1922	-0.17	-0.2939	-0.2621	-0.4749	0.1763	0.0905	0.1509	-0.027	0.0429	0.0556
<i>Amanita spissa</i>	0.1637	-0.3506	-0.3506	-0.1636	0.2571	-0.3039	-0.3039	-0.3039	-0.0701	-0.2571	0.3974	-0.2104	0.3974	-0.3039	-0.3976
<i>Boletus edulis</i>	0.3781	-0.3987	-0.4346	-0.3137	0.3345	-0.4025	-0.4346	-0.4346	-0.1285	-0.3987	0.4101	-0.3175	0.3704	-0.4346	-0.1947
<i>Boletus ferrugineus</i>	0.2572	-0.2104	-0.1636	0.3039	-0.0234	-0.1636	-0.1636	-0.1636	-0.3506	-0.2104	0.1636	0.1169	-0.0234	-0.1636	0.2105
<i>Cantharellus cibarius</i>	0.3976	-0.2571	-0.2571	0.2571	0.0701	-0.2571	-0.3506	-0.3506	-0.3039	-0.3039	0.2104	-0.1169	0.0701	-0.1169	0.1169
<i>Cortinarius bataillei</i>	-0.3508	0.3506	0.3506	0.0234	-0.1169	0.3506	0.3506	0.3506	0.0234	0.3506	-0.2104	-0.3039	-0.3974	0.3974	0.3508
<i>Cortinarius cinnamomeus</i>	-0.0048	0.3034	0.3034	0.0588	-0.0524	0.3034	0.3352	0.3352	0.0048	0.1477	-0.2462	0.0778	-0.17	0.3161	0.1271
<i>Cortinarius croceus</i>	-0.0388	0.1946	0.1946	-0.051	-0.4346	0.2268	0.2627	0.2627	0.0831	0.0057	-0.1587	0.1209	-0.2664	0.3023	0.1664
<i>Inocybe lacera</i>	-0.1242	-0.0467	-0.016	0.3577	-0.1893	-0.0602	-0.1684	-0.1401	-0.3024	0.1254	0.0934	-0.0836	0.0234	0.0443	0.1384
<i>Inocybe umbrina</i>	0.3976	-0.2571	-0.2571	0.2571	0.0701	-0.2571	-0.3506	-0.3506	-0.3039	-0.3039	0.2104	-0.1169	0.0701	-0.1169	0.1169
<i>Laccaria proxima</i>	0.0588	0.0079	0.0079	0.3129	0.1858	0.0079	0.0397	0.0397	0.0461	-0.0365	0.0238	0.0334	0.1668	-0.0334	-0.2432
<i>Lactarius rufus</i>	-0.2572	0.2104	0.3039	0.1169	-0.3506	0.2571	0.2571	0.2571	0.3506	0.1636	-0.1636	0.1636	-0.2104	0.2104	0.2572
<i>Paxillus involutus</i>	-0.2591	0.2303	0.2303	0.2176	0.2494	0.2303	0.2303	0.2303	0.1731	0.1541	-0.135	-0.3796	-0.0238	0.1255	-0.0524
<i>Piloderma olivaceum</i>	-0.1169	0.1169	0.1169	-0.0234	0.2104	0.1169	0.1169	0.1169	0.2104	-0.0234	-0.1169	-0.3974	0.1636	0.0234	-0.1403
<i>Piloderma sphaerosporum</i>	0.0936	-0.18	-0.18	0.0411	0.0879	-0.2664	-0.1984	-0.2253	-0.1899	-0.0723	0.1955	-0.3755	-0.0156	0.0723	-0.0142
<i>Rhizopogon evadens</i>	0.1169	0.0234	0.0234	0.1636	-0.2104	0.0234	0.0701	0.0701	-0.1636	0.0701	0.0234	0.3039	-0.1169	0.1636	0.0702
<i>Rhizopogon roseolus</i>	0.2105	-0.3974	-0.3974	-0.1169	0.3039	-0.3506	-0.3974	-0.3974	0.2571	-0.3974	0.2571	-0.0701	0.3039	-0.3974	-0.2572
<i>Rhizopogon rubescens</i>	-0.3976	0.0701	0.0701	0.3974	-0.1636	0.0701	-0.0701	0.0234	-0.2104	0.3974	-0.0234	0.3974	0.0234	-0.0701	0.0234
<i>Russula adusta</i>	0.1637	-0.3506	-0.3506	-0.1636	0.2571	-0.3039	-0.3039	-0.3039	-0.0701	-0.2571	0.3974	-0.2104	0.3974	-0.3039	-0.3976
<i>Russula aeruginea</i>	0.3508	-0.3039	-0.3039	-0.3506	0.3974	-0.3974	-0.2571	-0.2571	0.1636	-0.3506	0.3506	-0.2571	0.3506	-0.3506	-0.304
<i>Russula decolorans</i>	-0.6059	0.403	0.4241	0.1326	-0.4325	0.4093	0.3851	0.4114	-0.04	0.4998	-0.2767	-0.0926	-0.3841	0.5482	0.2316
<i>Russula emetica</i>	-0.0702	-0.0701	-0.0701	0.0701	0.0234	-0.0234	0.0234	-0.0234	0.1169	0.0234	0.0701	0.2571	0.1169	0.0701	-0.2105
<i>Russula paludosa</i>	-0.3712	0.2458	0.2764	-0.1314	-0.2742	0.2696	0.2526	0.2742	0.1076	0.3252	-0.1643	-0.0895	-0.1971	0.2776	0.1343
<i>Russula vesca</i>	-0.304	-0.0234	-0.0234	0.2104	-0.2571	-0.0701	-0.0234	-0.0701	-0.2571	0.2571	-0.0701	-0.0234	-0.1636	0.3039	-0.0702

<i>Russula vinosa</i>	-0.6139	0.5229	0.4803	-0.1034	-0.5455	0.5101	0.4081	0.4619	0.0312	0.503	-0.4237	-0.0213	-0.4931	0.3174	0.4792
<i>Russula sp.</i>	-0.1871	0.2571	0.2571	-0.2571	-0.3974	0.3039	0.3039	0.3039	0.3039	-0.0701	-0.2571	-0.1636	-0.2571	0.2571	0.1637
<i>Suillus bovinus</i>	0.0157	-0.3995	-0.3726	0.2376	0.2775	-0.3369	-0.3207	-0.3596	0.1188	-0.2538	0.3272	-0.0562	0.4384	-0.3164	-0.5159
<i>Suillus granulatus</i>	-0.1169	0.1169	0.1169	-0.0234	0.2104	0.1169	0.1169	0.1169	0.2104	-0.0234	-0.1169	-0.3974	0.1636	0.0234	-0.1403
<i>Suillus luteus</i>	0.2924	-0.2289	-0.2946	-0.0693	0.3932	-0.2641	-0.3087	-0.3251	-0.2594	-0.2594	0.3064	-0.3885	0.4214	-0.3862	-0.2595
<i>Suillus variegatus</i>	0.0095	0.0983	0.0983	0.1096	-0.017	0.0983	0.1342	0.1342	0.0189	0.0378	-0.0624	-0.0397	0.0227	0.1417	-0.0425
<i>Thelephora terrestris</i>	-0.4759	0.3403	0.3434	0.1878	-0.1867	0.3029	0.2386	0.2303	-0.0384	0.4367	-0.279	-0.1473	-0.2811	0.306	0.2496
<i>Tomentella badia</i>	-0.1928	-0.1871	-0.1871	0.1927	0.051	-0.155	-0.2627	-0.1909	-0.2098	0.1285	0.2551	0.1606	0.291	-0.2627	-0.2552
<i>Tomentella sp.</i>	0.2572	-0.2104	-0.1636	0.3039	-0.0234	-0.1636	-0.1636	-0.1636	-0.3506	-0.2104	0.1636	0.1169	-0.0234	-0.1636	0.2105
<i>Tomentellopsis sp.</i>	-0.2018	-0.0302	-0.0302	0.3542	0.1954	-0.0588	-0.0302	-0.0588	0.0048	0.0651	-0.027	-0.1827	0.1636	0.0238	-0.3576
<i>Tylospora asterophora</i>	0.5667	-0.5996	-0.6141	-0.3776	0.6297	-0.5944	-0.584	-0.5571	0.0322	-0.7064	0.5851	-0.5664	0.6681	-0.6919	-0.4774
<i>Xerocomus badius</i>	-0.3194	0.2113	0.2113	0.1287	0.0747	0.2113	0.1445	0.2081	0.2144	0.3288	-0.3225	0.2684	0.0619	0.0365	-0.1462