

**APPENDIX S4.** Tukey’s honest significant difference (HSD) for multiple comparisons in the types of dynamic land-cover, and whether there is a significant difference in ectomycorrhizal fungal diversity. The significant differences are shaded by values less than 0.05 (orange) or 0.01 (red).

Comparison		diff	lwr	upr	p.adj	Comparison		diff	lwr	upr	p.adj
Arable land (non-irrig.)	Ag. w/natural lands	0.40	-50.73	51.52	1.00	Pastures	Ag. w/natural lands	-15.12	-69.66	39.42	1.00
Broadleaved forest	Ag. w/natural lands	25.63	-26.45	77.70	0.88	Pastures	Arable land (non-irrig.)	-15.52	-43.63	12.60	0.79
<b>Broadleaved forest</b>	<b>Arable land (non-irrig.)</b>	25.23	2.25	48.20	<b>0.02</b>	<b>Pastures</b>	<b>Broadleaved forest</b>	-40.74	-70.55	-10.93	<b>0.00</b>
Coniferous forest	Ag. w/natural lands	29.76	-20.67	80.19	0.71	<b>Pastures</b>	<b>Coniferous forest</b>	-44.88	-71.71	-18.05	<b>0.00</b>
<b>Coniferous forest</b>	<b>Arable land (non-irrig.)</b>	29.36	10.42	48.30	<b>0.00</b>	Pastures	Cultivated patterns	-19.06	-70.36	32.24	0.98
Coniferous forest	Broadleaved forest	4.14	-17.24	25.51	1.00	<b>Pastures</b>	<b>Mixed forest</b>	-51.75	-82.82	-20.69	<b>0.00</b>
Cultivated patterns	Ag. w/natural lands	3.94	-62.81	70.69	1.00	Pastures	Moors and heathland	-24.43	-83.20	34.35	0.96
Cultivated patterns	Arable land (non-irrig.)	3.54	-44.11	51.20	1.00	Pastures	Natural grasslands	28.25	-45.06	101.55	0.98
Cultivated patterns	Broadleaved forest	-21.69	-70.36	26.99	0.94	Transition wood/shrubland	Ag. w/natural lands	42.57	-34.88	120.01	0.79
Cultivated patterns	Coniferous forest	-25.82	-72.73	21.09	0.79	Transition wood/shrubland	Arable land (non-irrig.)	42.17	-19.58	103.92	0.50
Mixed forest	Ag. w/natural lands	36.64	-16.16	89.44	0.47	Transition wood/shrubland	Broadleaved forest	16.94	-45.60	79.48	1.00
<b>Mixed forest</b>	<b>Arable land (non-irrig.)</b>	36.24	11.66	60.81	<b>0.00</b>	Transition wood/shrubland	Coniferous forest	12.81	-48.37	73.98	1.00
Mixed forest	Broadleaved forest	11.01	-15.48	37.50	0.96	Transition wood/shrubland	Cultivated patterns	38.63	-36.57	113.82	0.85
Mixed forest	Coniferous forest	6.87	-16.21	29.96	1.00	Transition wood/shrubland	Mixed forest	5.93	-57.22	69.08	1.00
Mixed forest	Cultivated patterns	32.70	-16.75	82.15	0.55	Transition wood/shrubland	Moors and heathland	33.26	-47.22	113.74	0.96
Moors and heathland	Ag. w/natural lands	9.31	-63.34	81.96	1.00	Transition wood/shrubland	Natural grasslands	85.93	-5.70	177.56	0.09
Moors and heathland	Arable land (non-irrig.)	8.91	-46.71	64.53	1.00	Transition wood/shrubland	Pastures	57.69	-6.92	122.29	0.13
Moors and heathland	Broadleaved forest	-16.32	-72.81	40.18	1.00	Urban fabric	Ag. w/natural lands	-1.09	-63.04	60.86	1.00
Moors and heathland	Coniferous forest	-20.45	-75.43	34.52	0.98	Urban fabric	Arable land (non-irrig.)	-1.49	-42.16	39.18	1.00
Moors and heathland	Cultivated patterns	5.37	-64.88	75.62	1.00	Urban fabric	Broadleaved forest	-26.72	-68.58	15.14	0.60
Moors and heathland	Mixed forest	-27.33	-84.49	29.84	0.90	Urban fabric	Coniferous forest	-30.85	-70.64	8.94	0.30
Natural grasslands	Ag. w/natural lands	-43.36	-128.20	41.47	0.86	Urban fabric	Cultivated patterns	-5.03	-64.15	54.09	1.00
Natural grasslands	Arable land (non-irrig.)	-43.76	-114.56	27.04	0.65	Urban fabric	Mixed forest	-37.73	-80.49	5.03	0.14
Natural grasslands	Broadleaved forest	-68.99	-140.48	2.50	0.07	Urban fabric	Moors and heathland	-10.40	-76.11	55.32	1.00
<b>Natural grasslands</b>	<b>Coniferous forest</b>	-73.13	-143.42	-2.83	<b>0.03</b>	Urban fabric	Natural grasslands	42.27	-36.70	121.25	0.82
Natural grasslands	Cultivated patterns	-47.30	-130.10	35.49	0.75	Urban fabric	Pastures	14.03	-30.86	58.92	1.00
<b>Natural grasslands</b>	<b>Mixed forest</b>	-80.00	-152.02	-7.98	<b>0.02</b>	Urban fabric	Transition wood/shrubland	-43.66	-114.63	27.32	0.65
Natural grasslands	Moors and heathland	-52.67	-140.29	34.95	0.68						