

APPENDIX S1. Tukey’s honest significant difference (HSD) for multiple comparisons in the types of dynamic land-cover (ISAM-HYDE), and whether there is a significant difference in saprotrophic 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
Cropland	Boreal evergr. needleleaf forest	-30.50	-50.94	-10.07	0.00	Tundra	Pastureland	47.26	-25.28	119.81	0.52
Grassland, steppe	Boreal evergr. needleleaf forest	-41.08	-62.07	-20.09	0.00	Tundra	Temperate decid. broadleaf forest	-31.39	-116.06	53.28	0.96
Grassland, steppe	Cropland	-10.58	-25.35	4.19	0.38	Tundra	Temperate evergr. needleleaf forest	9.65	-63.10	82.39	1.00
Pastureland	Boreal evergr. needleleaf forest	-51.93	-73.44	-30.43	0.00	Urbanland	Boreal evergr. needleleaf forest	-47.96	-109.06	13.15	0.26
Pastureland	Cropland	-21.43	-36.92	-5.95	0.00	Urbanland	Cropland	-17.45	-76.71	41.80	0.99
Pastureland	Grassland, steppe	-10.85	-27.06	5.36	0.48	Urbanland	Grassland, steppe	-6.87	-66.32	52.58	1.00
Temperate decid. broadleaf forest	Boreal evergr. needleleaf forest	26.72	-21.94	75.39	0.74	Urbanland	Pastureland	3.98	-55.65	63.61	1.00
Temperate decid. broadleaf forest	Cropland	57.22	10.90	103.55	0.00	Urbanland	Temperate decid. broadleaf forest	-74.68	-148.58	-0.77	0.05
Temperate decid. broadleaf forest	Grassland, steppe	67.80	21.23	114.37	0.00	Urbanland	Temperate evergr. needleleaf forest	-33.64	-93.51	26.23	0.71
Temperate decid. broadleaf forest	Pastureland	78.66	31.85	125.46	0.00	Urbanland	Tundra	-43.28	-135.67	49.10	0.87
Temperate decid. broadleaf forest	Temperate evergr. needleleaf forest	41.04	-6.07	88.15	0.14	Wetlands, bogs	Boreal evergr. needleleaf forest	-50.09	-88.27	-11.91	0.00
Temperate evergr. needleleaf forest	Boreal evergr. needleleaf forest	-14.32	-36.47	7.83	0.53	Wetlands, bogs	Cropland	-19.59	-54.74	15.56	0.72
Temperate evergr. needleleaf forest	Cropland	16.18	-0.19	32.56	0.06	Wetlands, bogs	Grassland, steppe	-9.01	-44.48	26.47	1.00
Temperate evergr. needleleaf forest	Grassland, steppe	26.76	9.70	43.83	0.00	Wetlands, bogs	Pastureland	1.84	-33.93	37.62	1.00
Temperate evergr. needleleaf forest	Pastureland	37.62	19.93	55.31	0.00	Wetlands, bogs	Temperate decid. broadleaf forest	-76.81	-133.26	-20.37	0.00
Tundra	Boreal evergr. needleleaf forest	-4.67	-78.43	69.09	1.00	Wetlands, bogs	Temperate evergr. needleleaf forest	-35.77	-71.95	0.40	0.06
Tundra	Cropland	25.83	-46.41	98.07	0.97	Wetlands, bogs	Tundra	-45.42	-124.53	33.69	0.69
Tundra	Grassland, steppe	36.41	-35.99	108.81	0.82	Wetlands, bogs	Urbanland	-2.13	-69.60	65.33	1.00