

Supplementary information: Seasonal dynamics of ectomycorrhizal fungi vary at the host tree and fungal identity level

This document's structure mirrors that of the original paper, as suggested by (*greenbaum2017?*).

Results

Abundance

Table S#. Output showing generalized additive mixed models (GAMM) of quantitative soil fungal 18S rDNA amplification, subset by the total proportion of sequenced DNA reads matching to ecomycorrhizal fungal lifestyles in the FungalTraits database (*polme2020?*).

Exploration type

Long-dist. exploration type, week effect by leaf habit; negbin(1) distribution family				
Component	Term	Estimate	Std Error	t-value
A. parametric coefficients	(Intercept)	5.636	0.306	18.422
	LeafHabitEvergreen	-0.536	0.484	-1.108
Component	Term	edf	Ref. df	F-value
B. smooth terms	s(WEEK):LeafHabitDeciduous	1.454	1.454	1.028
	s(WEEK):LeafHabitEvergreen	1.000	1.000	1.624

Signif. codes: 0 <= '****' < 0.001 < '**'

Adjusted R-squared: 0.000277, Deviance explained NA

glmer.ML : 425.255, Scale est: 1.000, N: 265

**Contact exploration type,
week effect by leaf habit;
poisson distribution family**

Component	Term	Estimate	Std Error	t-value
A. parametric coefficients	(Intercept)	8.395	0.377	22.25
	LeafHabitEvergreen	-4.844	0.597	-8.11
Component	Term	edf	Ref. df	F-value
B. smooth terms	s(WEEK):LeafHabitDeciduous	5.984	5.984	3,384.99
	s(WEEK):LeafHabitEvergreen	5.984	5.984	1,508.09

Signif. codes: 0 <= '***' < 0.001 < '.

Adjusted R-squared: 0.279, Deviance explained NA

glmer.ML : 384877.668, Scale est: 1.000, N: 265

**Medium-distance fringe exploration type,
week effect by leaf habit;
poisson distribution family**

Component	Term	Estimate	Std Error	t-value
A. parametric coefficients	(Intercept)	5.842	0.432	13.5
	LeafHabitEvergreen	1.589	0.682	2.3
Component	Term	edf	Ref. df	F-value
B. smooth terms	s(WEEK):LeafHabitDeciduous	5.982	5.982	12,303.8
	s(WEEK):LeafHabitEvergreen	5.978	5.978	43,740.8

Signif. codes: 0 <= '***' < 0.001 < '.

Adjusted R-squared: 0.0668, Deviance explained NA

glmer.ML : 371928.866, Scale est: 1.000, N: 265

**Medium-distance smooth exploration type,
week effect by leaf habit;
negbin(1) distribution family**

Component	Term	Estimate	Std Error	t-value
A. parametric coefficients	(Intercept)	7.480	0.223	33.582
	LeafHabitEvergreen	-0.596	0.352	-1.694
Component	Term	edf	Ref. df	F-value
B. smooth terms	s(WEEK):LeafHabitDeciduous	1.000	1.000	1.538
	s(WEEK):LeafHabitEvergreen	1.000	1.000	3.009

Signif. codes: 0 <= '***' < 0.001 < '***'

Adjusted R-squared: 0.0509, Deviance explained NA

glmer.ML : 291.950, Scale est: 1.000, N: 265

**Short-distance delicate exploration type,
week effect by leaf habit;
poisson distribution family**

Component	Term	Estimate	Std Error	t-value
A. parametric coefficients	(Intercept)	8.326	0.147	56.72
	LeafHabitEvergreen	0.495	0.232	2.13
Component	Term	edf	Ref. df	F-value
B. smooth terms	s(WEEK):LeafHabitDeciduous	5.984	5.984	6,996.20
	s(WEEK):LeafHabitEvergreen	5.993	5.993	8,496.45

Signif. codes: 0 <= '***' < 0.001 < '***'

Adjusted R-squared: 0.115, Deviance explained NA

glmer.ML : 612733.093, Scale est: 1.000, N: 265

**Short-distance coarse exploration type,
week effect by leaf habit;
negbin(0.1) distribution family**

Component	Term	Estimate	Std Error	t-value
A. parametric coefficients	(Intercept)	6.522	0.251	26.006
	LeafHabitEvergreen	1.069	0.397	2.695
Component	Term	edf	Ref. df	F-value
B. smooth terms	s(WEEK):LeafHabitDeciduous	1.000	1.000	1.283
	s(WEEK):LeafHabitEvergreen	1.000	1.000	5.511

Signif. codes: 0 <= '***' < 0.001 < '**'

Adjusted R-squared: 0.0559, Deviance explained NA

glmer.ML : 62.013, Scale est: 1.000, N: 265

Taxonomy

- extra figure specifically by plot