

Supplemental materials

Phenology experiment (Halliday et al 2017)

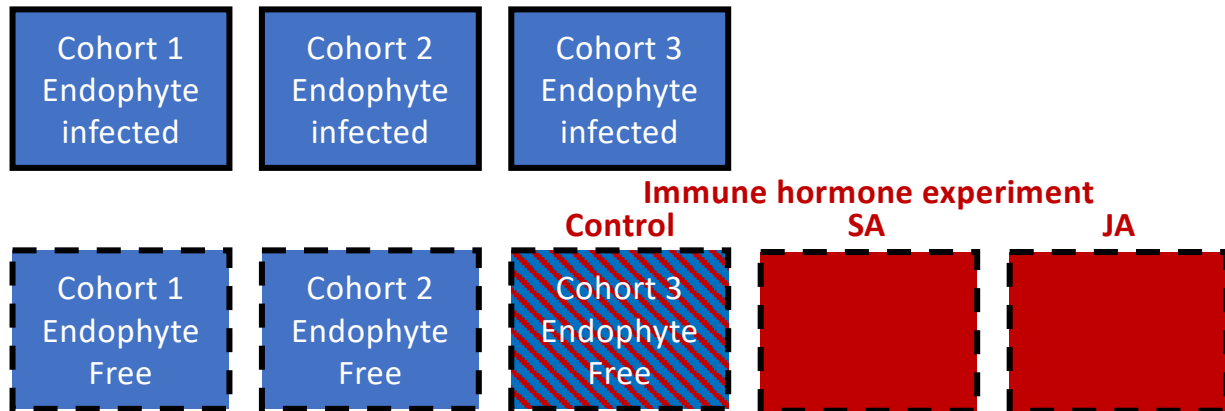


Fig S1. Relationship between the experiment presented in this paper (Immune hormone experiment) and the phenology experiment described in Halliday et al 2017 *Ecology Letters*, which tested how parasite phenology and endophyte infection influence parasite interactions, using three cohorts of hosts. Some host individuals were part of both experiments. Specifically, of six factorial combinations of phenology and endophyte in the phenology experiment, one combination (Cohort 3, Endophyte free) also served as the control treatment (fully randomized) in the hormone experiment.

Table S1. Reduced model coefficients for Cox mixed models. Models were reduced from a full model using analysis of deviance tests to remove non-significant interactions. Coefficients are only provided if they were included in the reduced model. Coefficients are exponentiated

	A) <i>Rhizoctonia</i>		B) <i>Colletotrichum</i>	
	Coefficient	SE	Coefficient	SE
Treatment [JA]	1.18	0.200	1.02	0.46
Treatment [SA]	1.07	0.20	0.33	0.52
Puccinia infection	3.23	0.93	0.55	0.6
Colletotrichum infection	0.52	0.74		
Rhizoctonia infection			0.4	0.35
Treatment [JA] × Colletotrichum	3.55	0.950		
Treatment [SA] × Colletotrichum	0.12	1.490		
Treatment [JA] × Rhizoctonia				
Treatment [SA] × Rhizoctonia				

Table S2. Cox mixed model Analysis of Deviance Table (Type II tests)

	A) <i>Rhizoctonia</i>			B) <i>Colletotrichum</i>		
	DF	X ²	p-value	DF	X ²	p-value
Treatment	2	1.41	0.49	2	6.02	0.049
Colletotrichum infection	1	0.27	0.60			
Puccinia infection	1	1.59	0.21	1	6.58	0.28
Rhizoctonia infection				1	1.17	0.01
Treatment × Colletotrichum	2	6.06	0.048			
Treatment × Rhizoctonia				2	0.49	0.78

Table S3. Parasite Prevalence Analysis of Deviance Table

	A) <i>Rhizoctonia</i>			B) <i>Colletotrichum</i>		
	DF	X ²	p-value	DF	X ²	p-value
Treatment	2	3.78	0.15	2	7.14	0.03

Table S4. Coinfection Analysis of Deviance Table

	DF	X ²	p-value
Treatment	2	8.28	0.02

Table S5. Parasite Burden Analysis of Deviance Table

	A) <i>Rhizoctonia</i>			B) <i>Colletotrichum</i>		
	DF	X ²	p-value	DF	X ²	p-value
Treatment	2	17.22	0.00	2	12.03	0.00