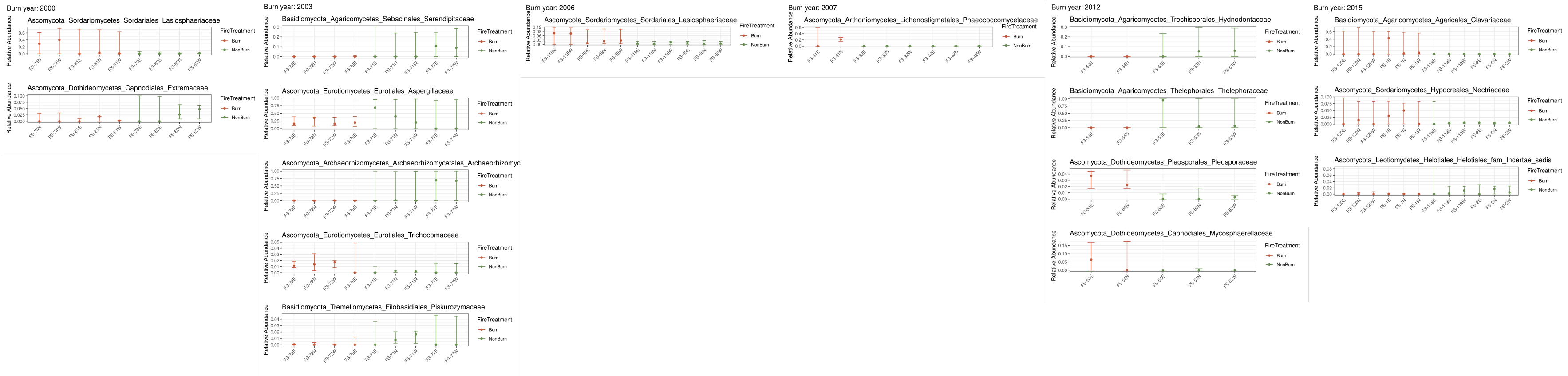
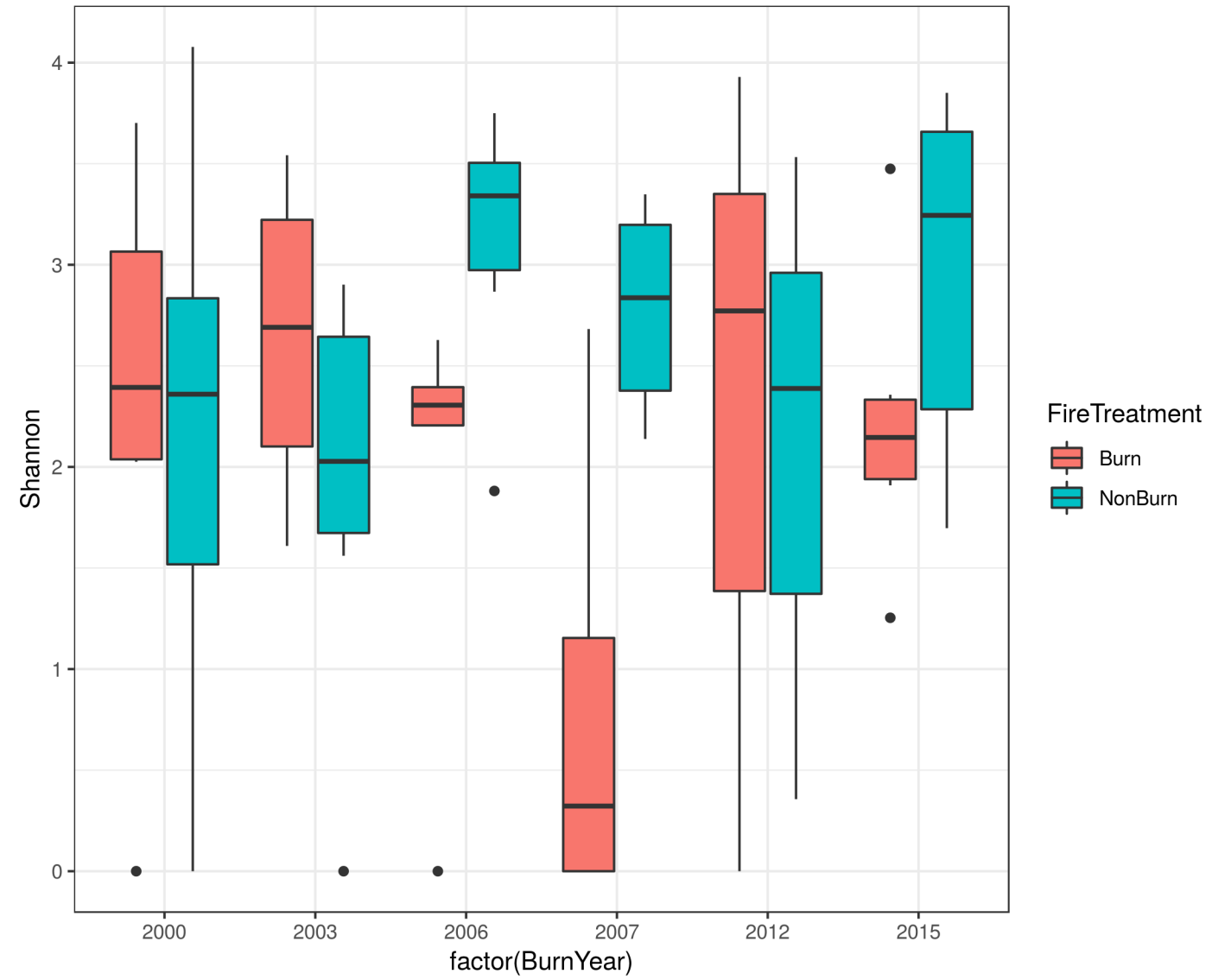


Supplemental Info

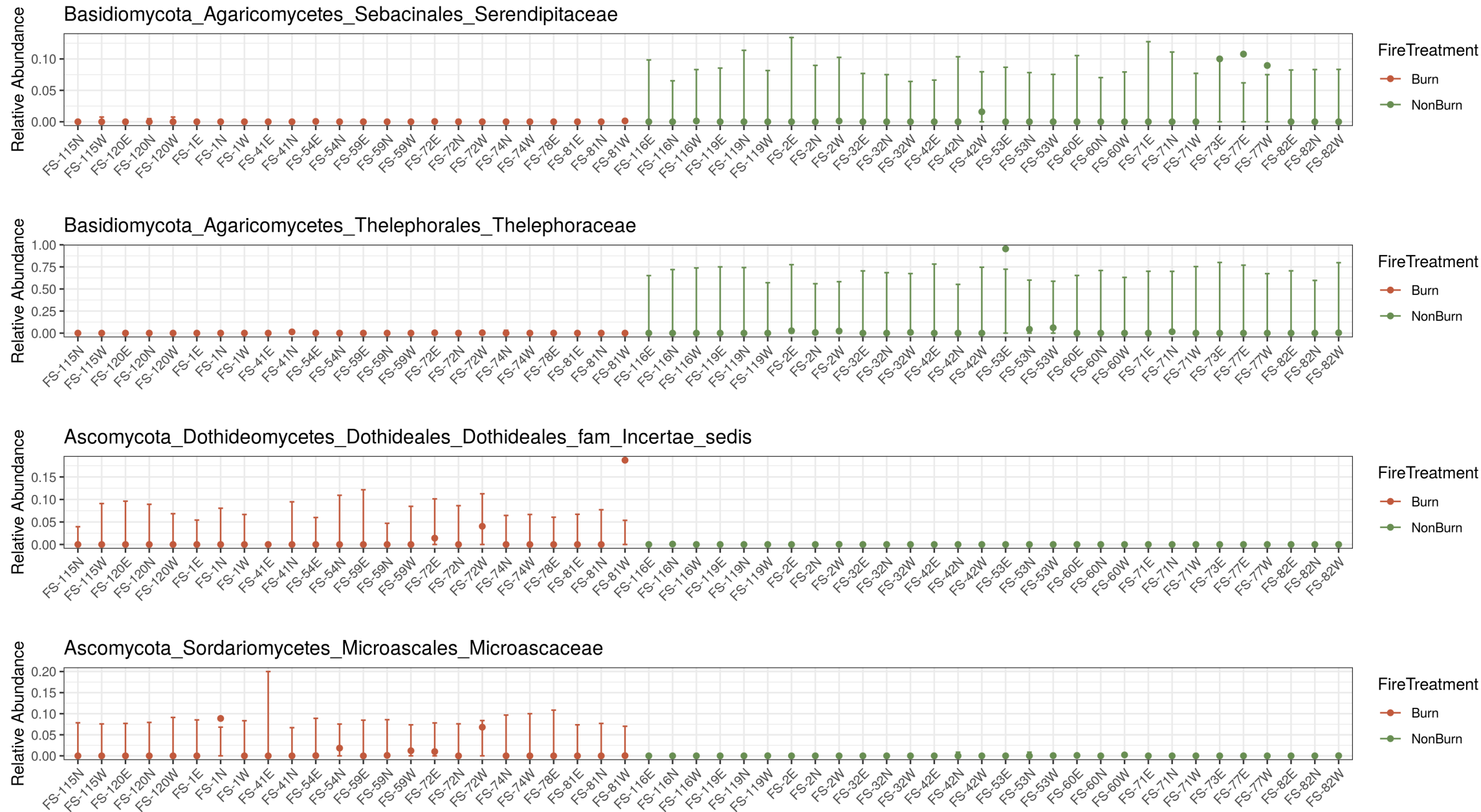
Differential abundance plots, split by burn year



Shannon diversity over time



Differential abundance plot of fungal families based on fire treatment – All burn years included



BBDML Model Summaries for previous plot:

\$Basidiomycota_Agaricomycetes_Sebacinales_Serendipitaceae

Call:

bbdml(formula = forms[[i]], phi.formula = phi.form, data = ps_object)

Coefficients associated with abundance:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-8.5052	0.6826	-12.460	< 2e-16 ***
FireTreatmentNonBurn	3.8291	1.1045	3.467	0.00109 **

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Coefficients associated with dispersion:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-6.8706	0.9983	-6.882	9.17e-09 ***
FireTreatmentNonBurn	5.4626	1.3846	3.945	0.000249 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Log-likelihood: -51.102

\$Basidiomycota_Agaricomycetes_Thelephorales_Thelephoraceae

Call:

bbdml(formula = forms[[i]], phi.formula = phi.form, data = ps_object)

Coefficients associated with abundance:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-6.7827	0.7614	-8.908	6.78e-12 ***
FireTreatmentNonBurn	3.9770	0.9300	4.276	8.55e-05 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Coefficients associated with dispersion:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-4.4202	0.9613	-4.598	2.93e-05 ***
FireTreatmentNonBurn	4.6388	1.1044	4.200	0.00011 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Log-likelihood: -97.859

\$Ascomycota_Dothideomycetes_Dothideales_Dothideales_fam_Incertae_sedis

Call:

bbdml(formula = forms[[i]], phi.formula = phi.form, data = ps_object)

Coefficients associated with abundance:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-4.656	1.055	-4.414	5.42e-05 ***
FireTreatmentNonBurn	-4.914	1.391	-3.532	0.000896 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Coefficients associated with dispersion:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-1.069	1.171	-0.913	0.36558
FireTreatmentNonBurn	-5.768	1.688	-3.417	0.00127 **

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Log-likelihood: -43.842

\$Ascomycota_Sordariomycetes_Microascales_Microascaceae

Call:

bbdml(formula = forms[[i]], phi.formula = phi.form, data = ps_object)

Coefficients associated with abundance:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-4.6707	0.5391	-8.664	1.59e-11 ***
FireTreatmentNonBurn	-3.7176	0.7884	-4.716	1.97e-05 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Coefficients associated with dispersion:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-2.7315	0.6586	-4.147	0.000130 ***
FireTreatmentNonBurn	-3.7894	1.0248	-3.698	0.000541 ***

