Single exponential model K values

Vegetation Community	Isolate	K(wk^{-1})	
Prairie	*Cenococcum geophilum*	0.69 (0.04)	
	Meliniomyces bicolor	0.34 (0.03)	
	Mortierella elongata	0.54 (0.03)	
Oak Savanna	*Meliniomyces bicolor* melanized	0.29 (0.02)	
	Meliniomyces bicolor non-melanized	0.43 (0.03)	
	Mortierella elongata	0.48 (0.03)	
Temperate Forest	*Meliniomyces bicolor*	0.26 (0.02)	
	Mortierella elongata	0.65 (0.05)	

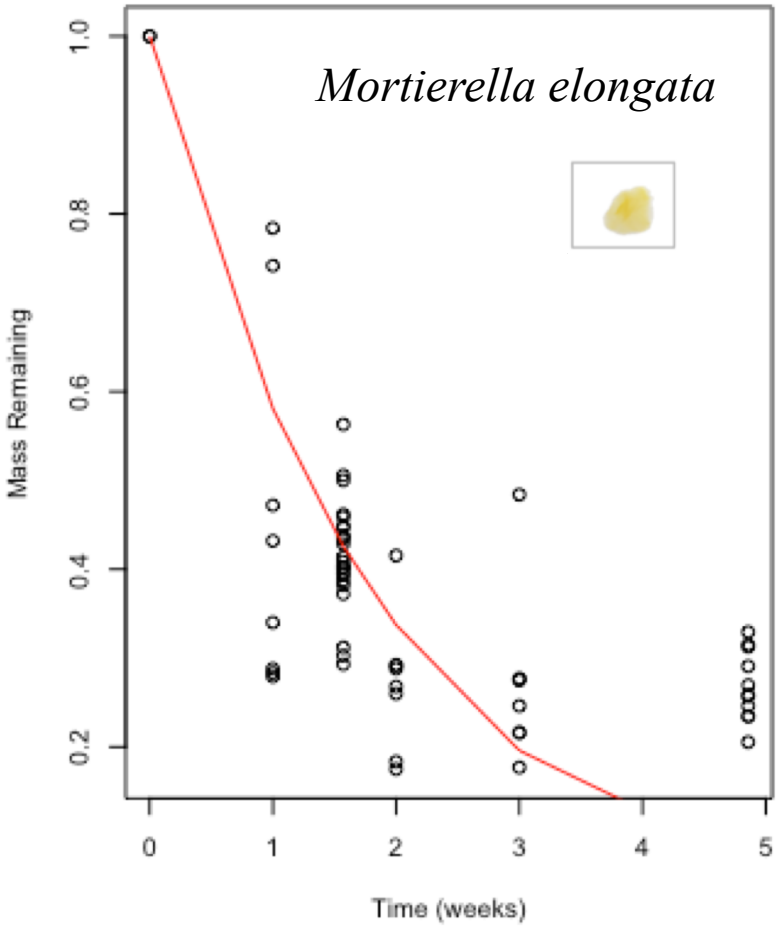
std. errors are in parentheses next to the K value

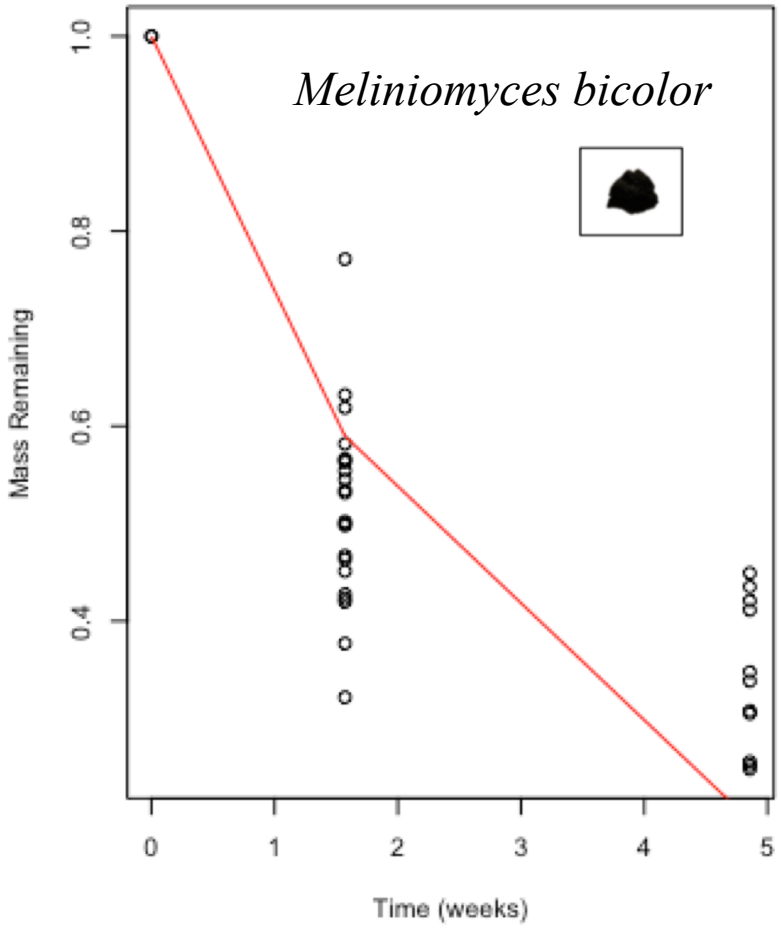
Double exponential model K values

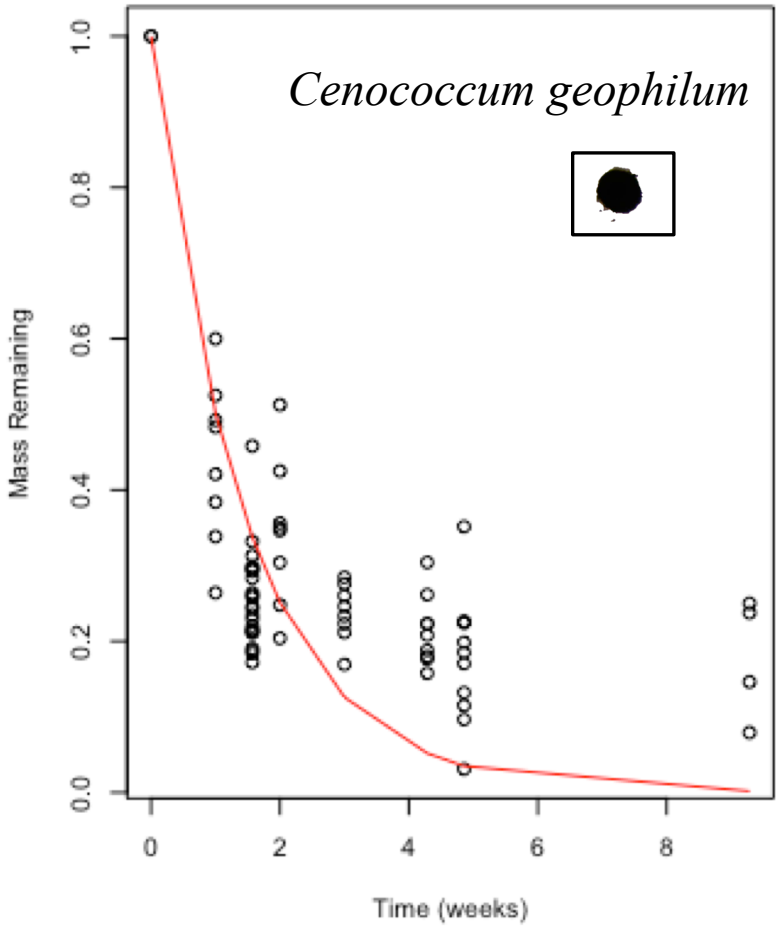
Vegetation Community	Isolate	$K_1(wk^{-1})$	$K_2(wk^{-1})$	
Prairie	*Cenococcum geophilum*	1.54 (0.27)	0.041 (0.043)	
	Meliniomyces bicolor	*	*	
	Mortierella elongata	1.06 (0.34)	0.034 (0.14)	
Oak Savanna	*Meliniomyces bicolor* melanized	0.68 (0.26)	0.042 (0.089)	
	Meliniomyces bicolor non-melanized	1.62 (0.90)	0.106 (0.042)	
	Mortierella elongata	3.07 (9.14)	0.090 (0.025)	
Temperate Forest	*Meliniomyces bicolor*	0.63 (0.13)	0.047 (0.02)	
	Mortierella elongata	1.29 (0.19)	0.0009 (0.016)	

*I am not sure if you can fit a double exponential model to 3 time points (I am checking on this)- Also the std. errors in parentheses next to the value are high

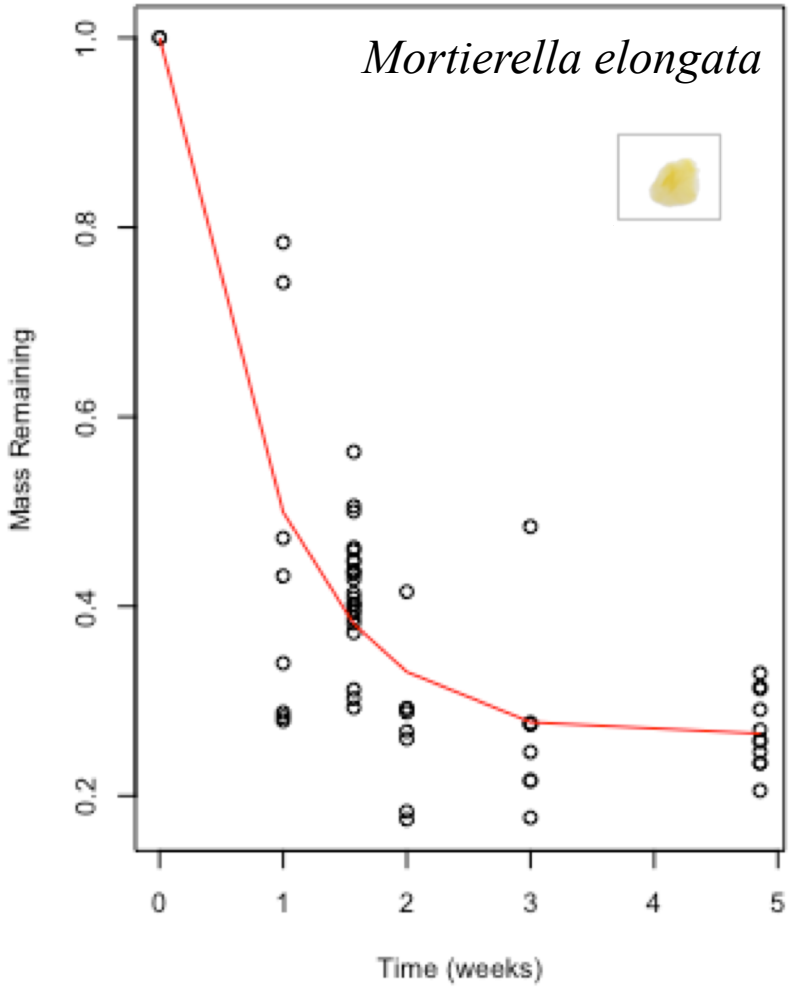
Prairie- Single Exponential Fits

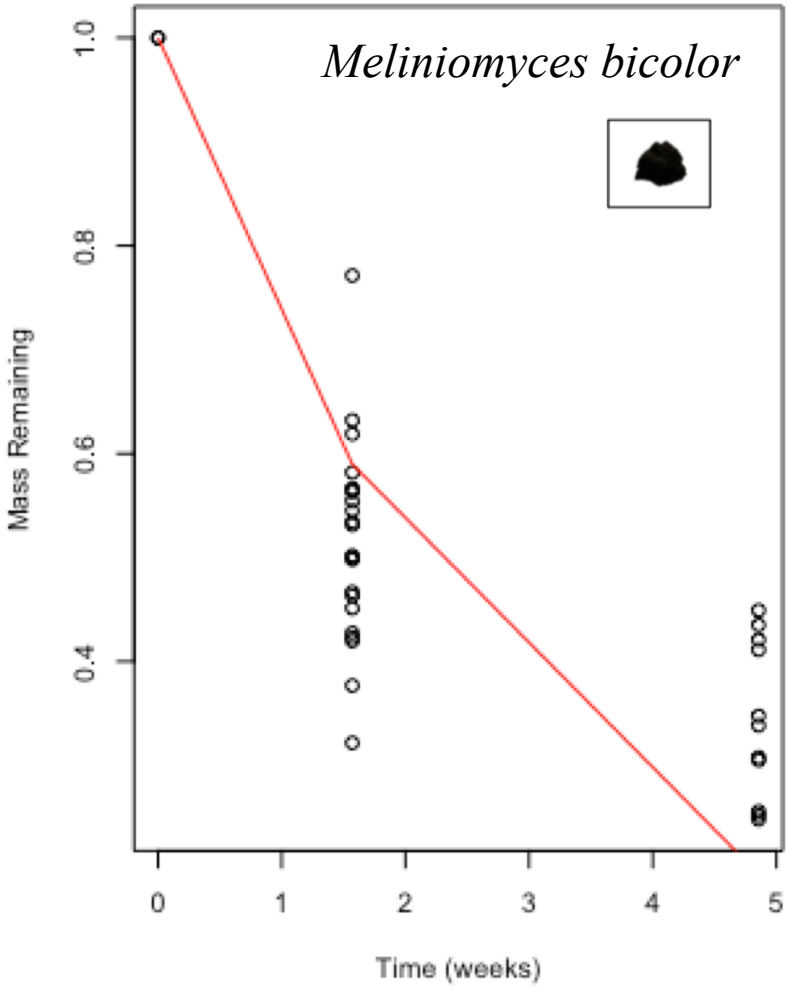


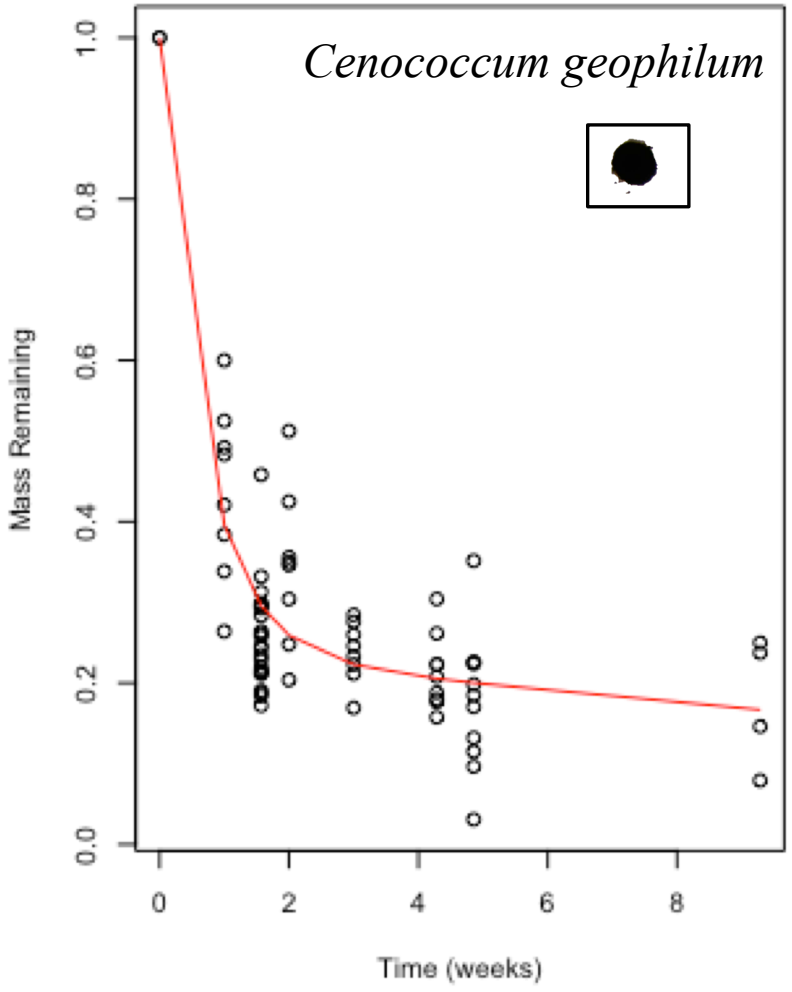




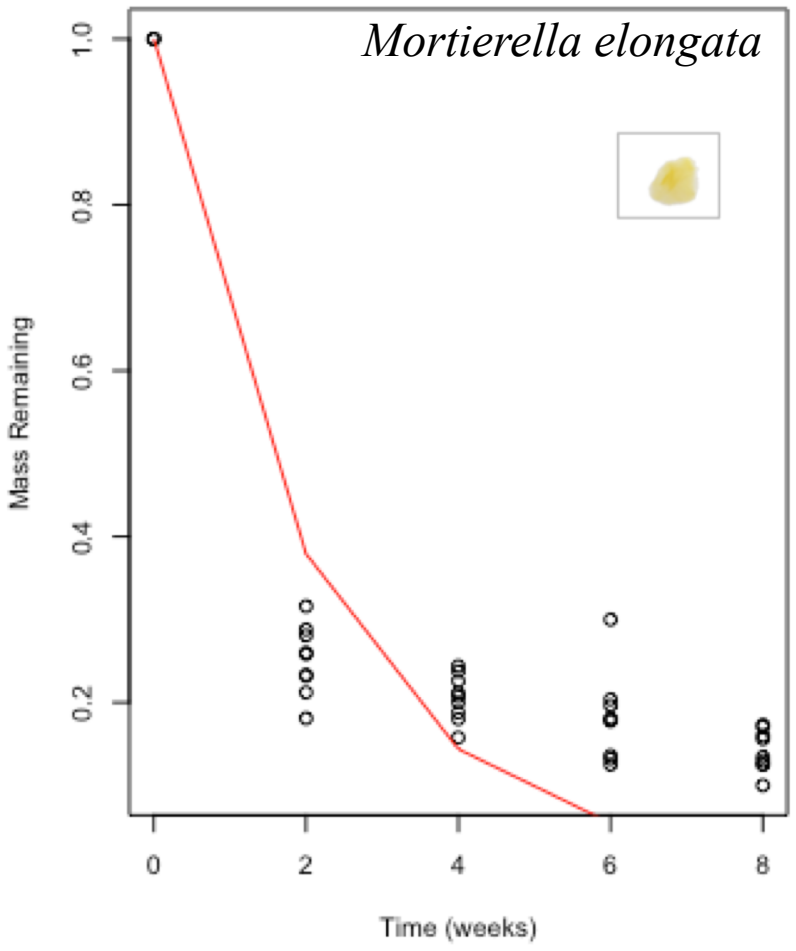
Prairie- Double Exponential Fits

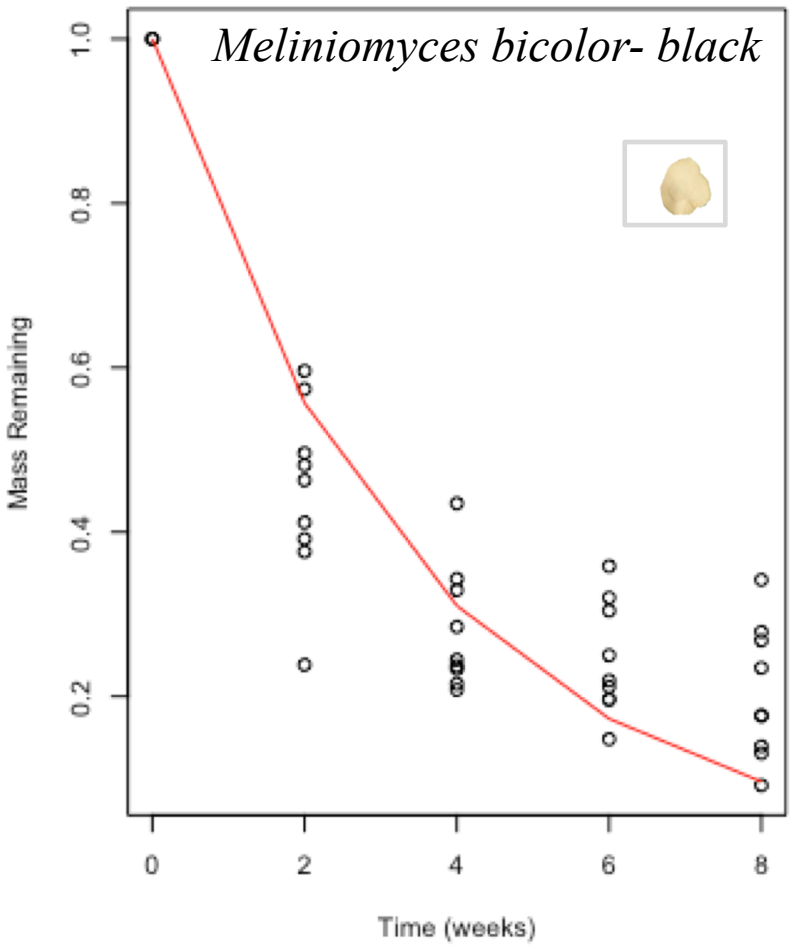


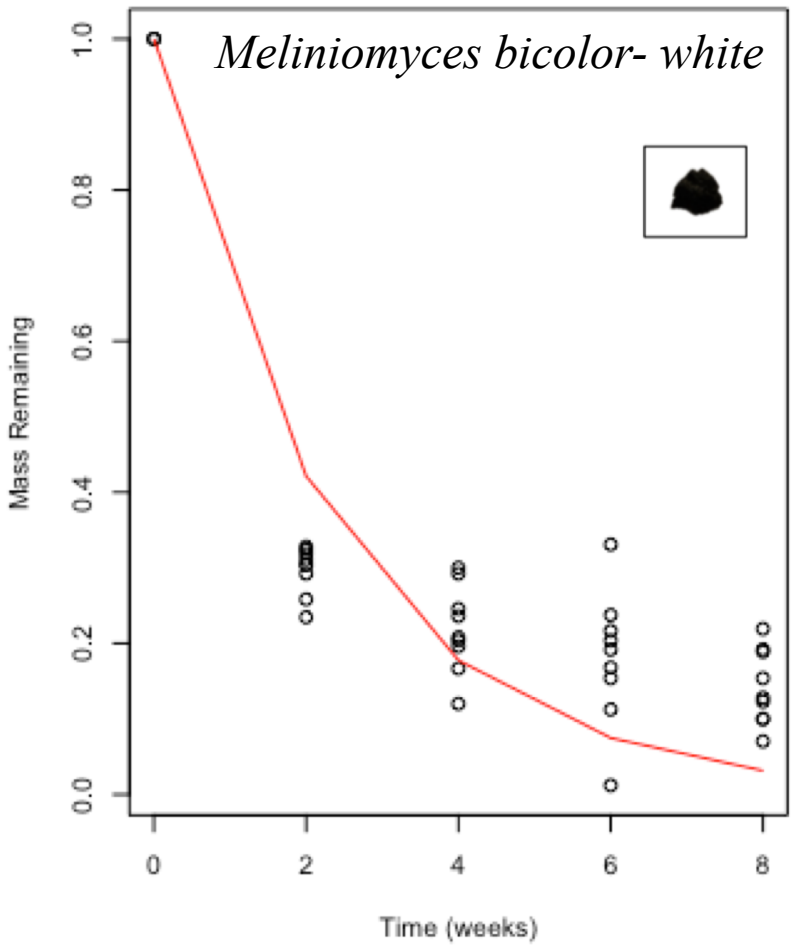




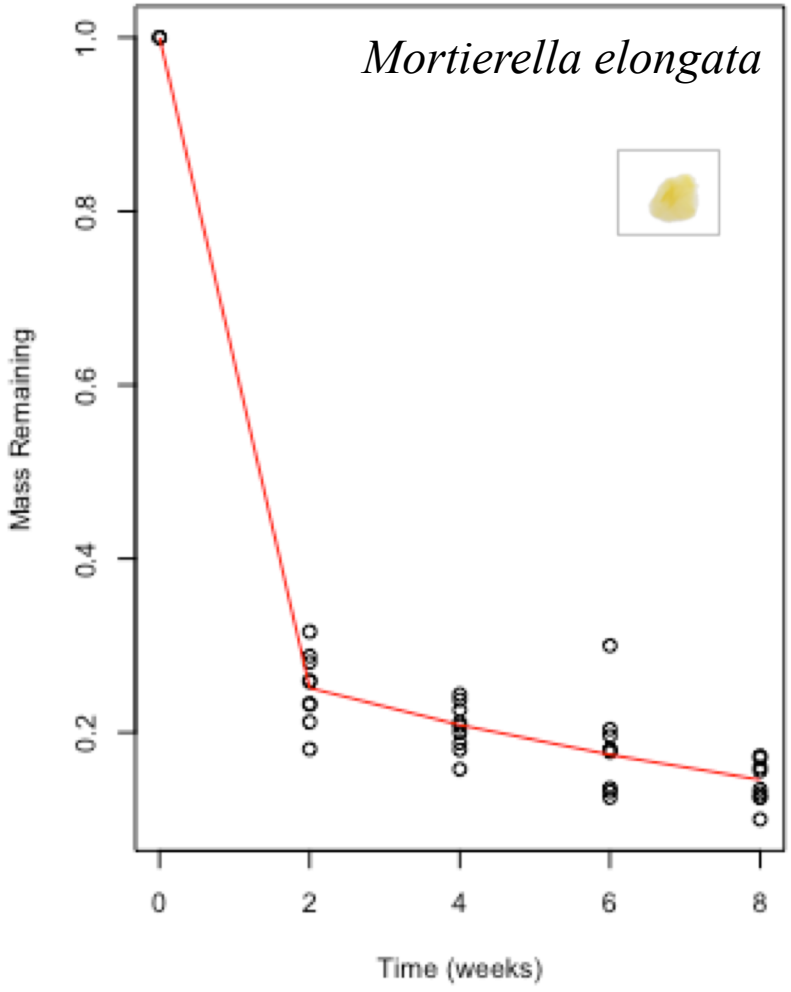
Oak Savanna- Single Exponential Fits

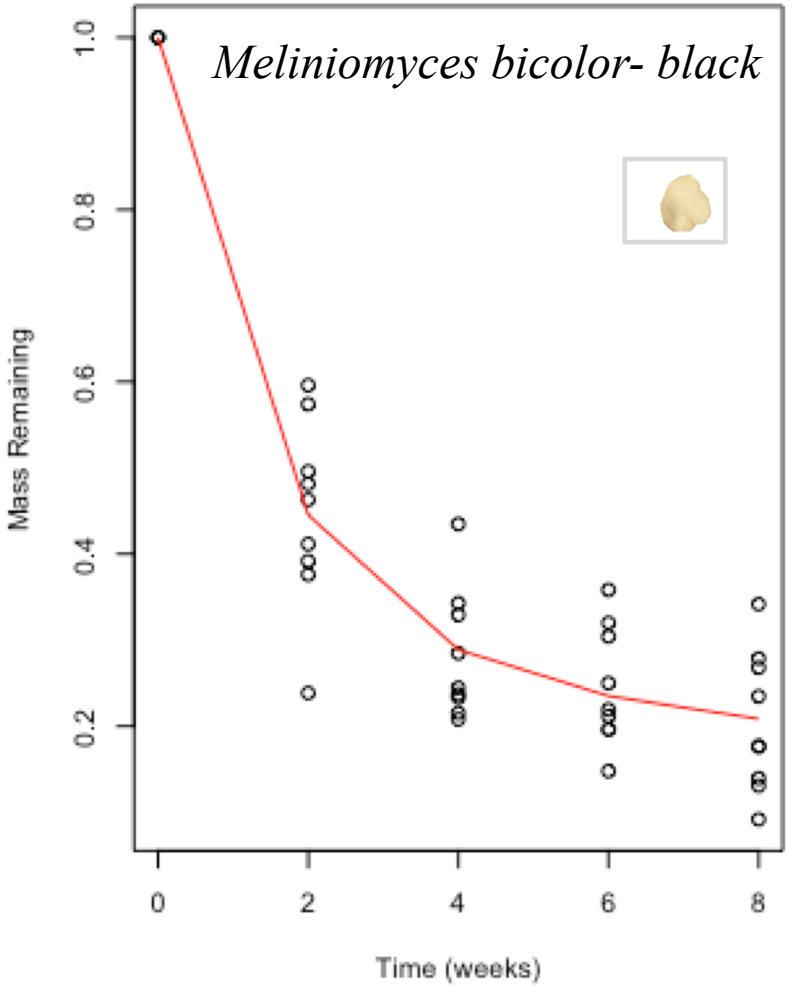


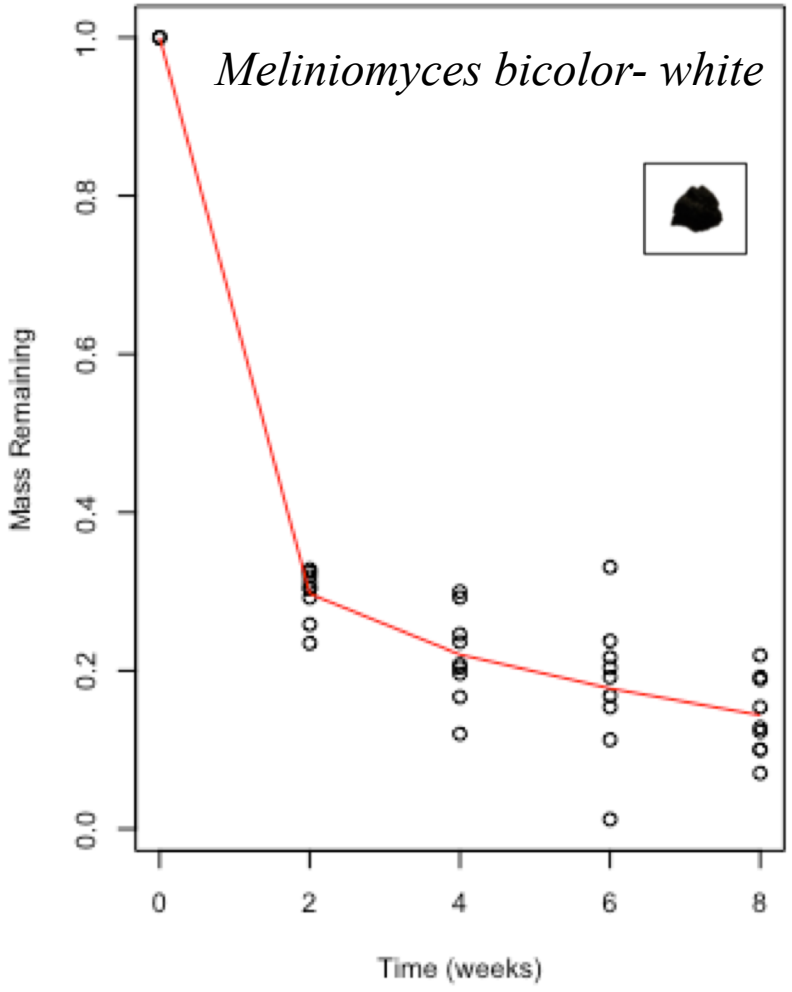




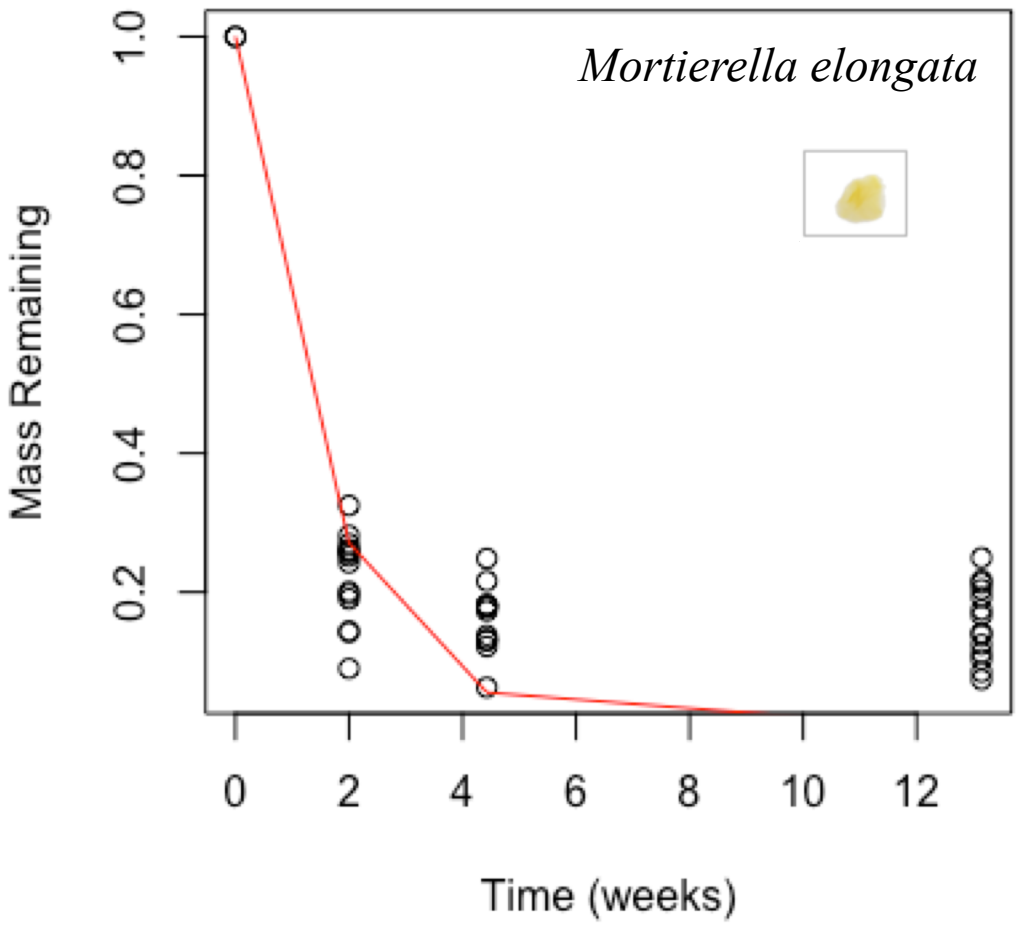
Oak Savanna- Double Exponential Fits

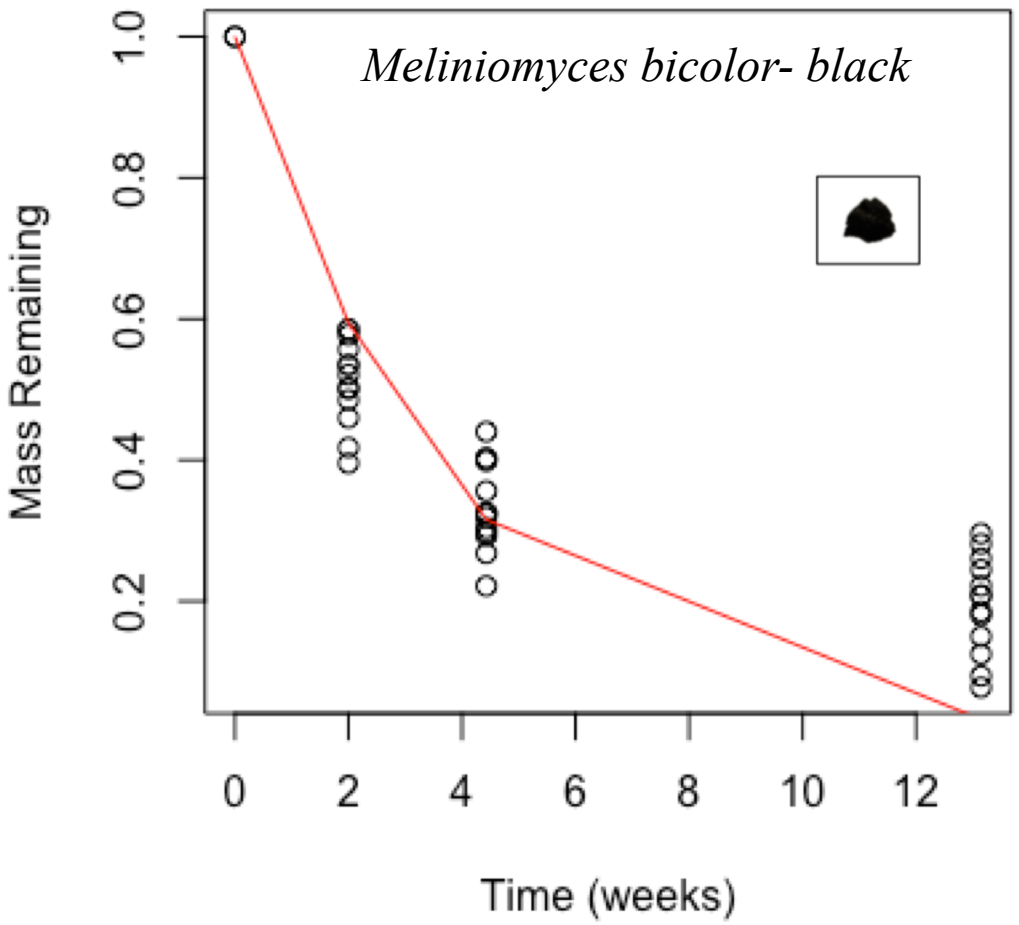




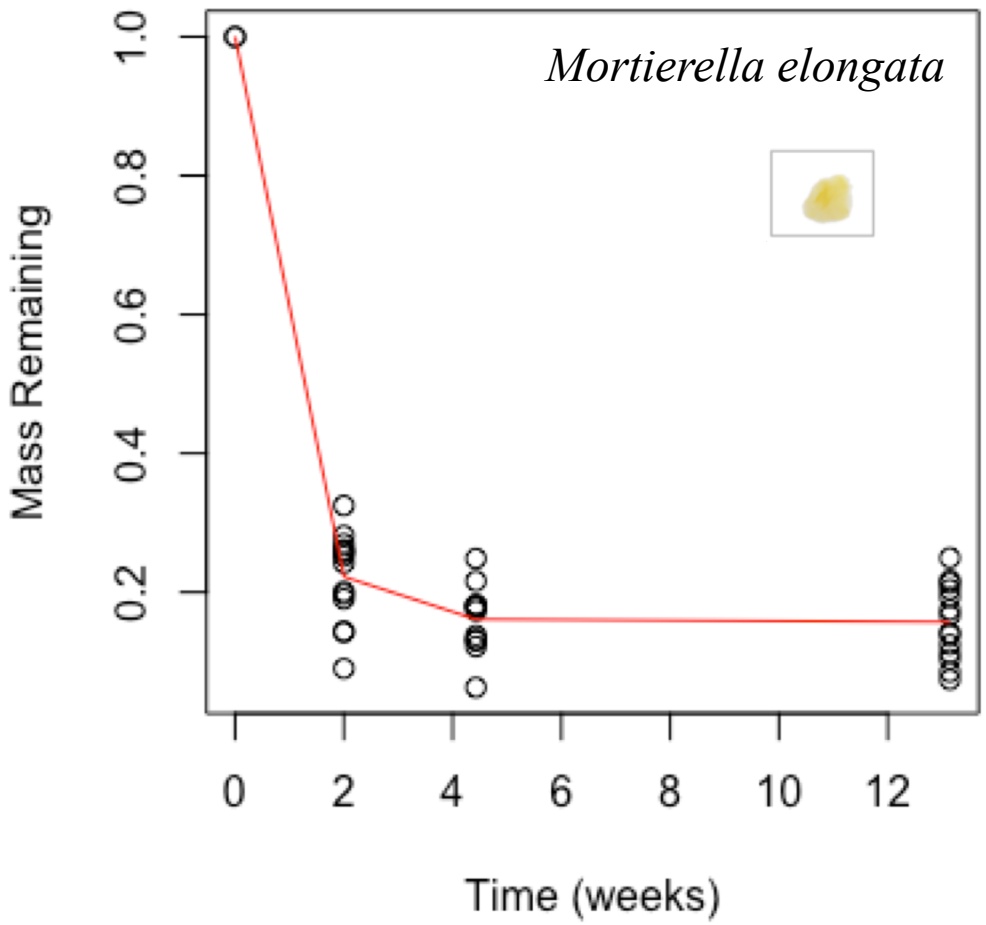


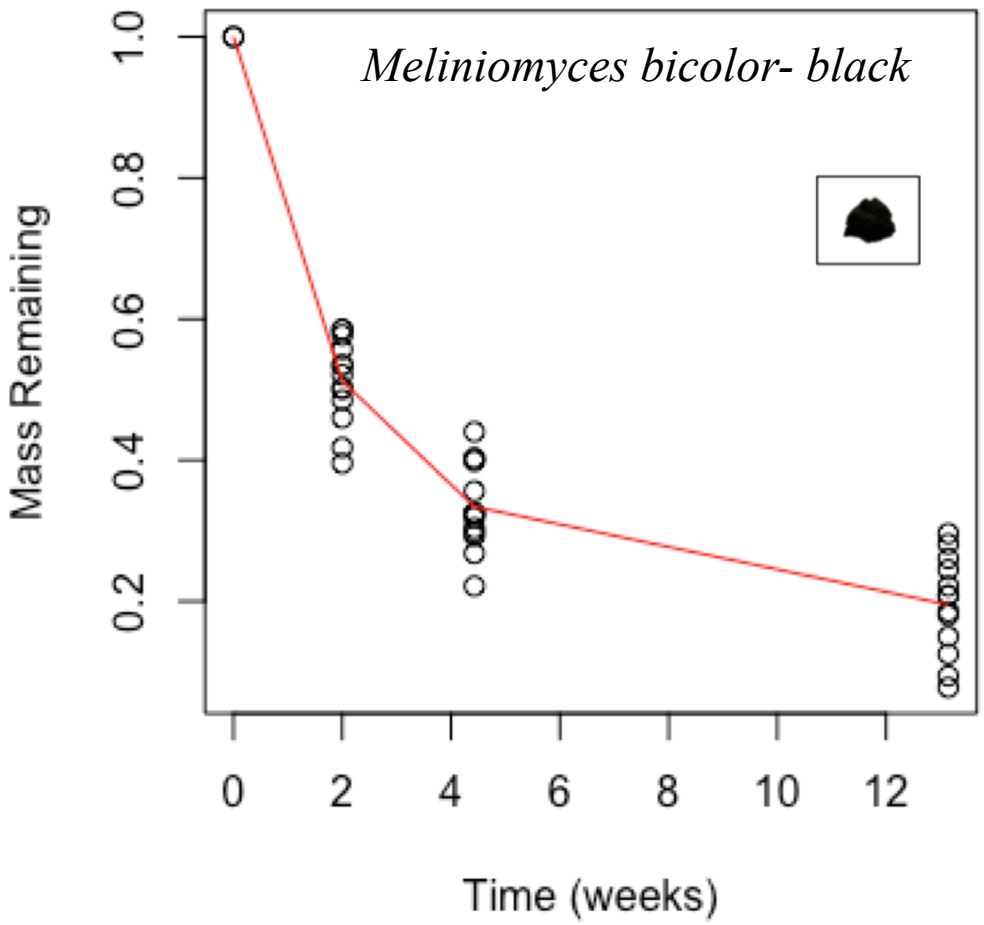
Temperate Forest-Single Exponential Fits

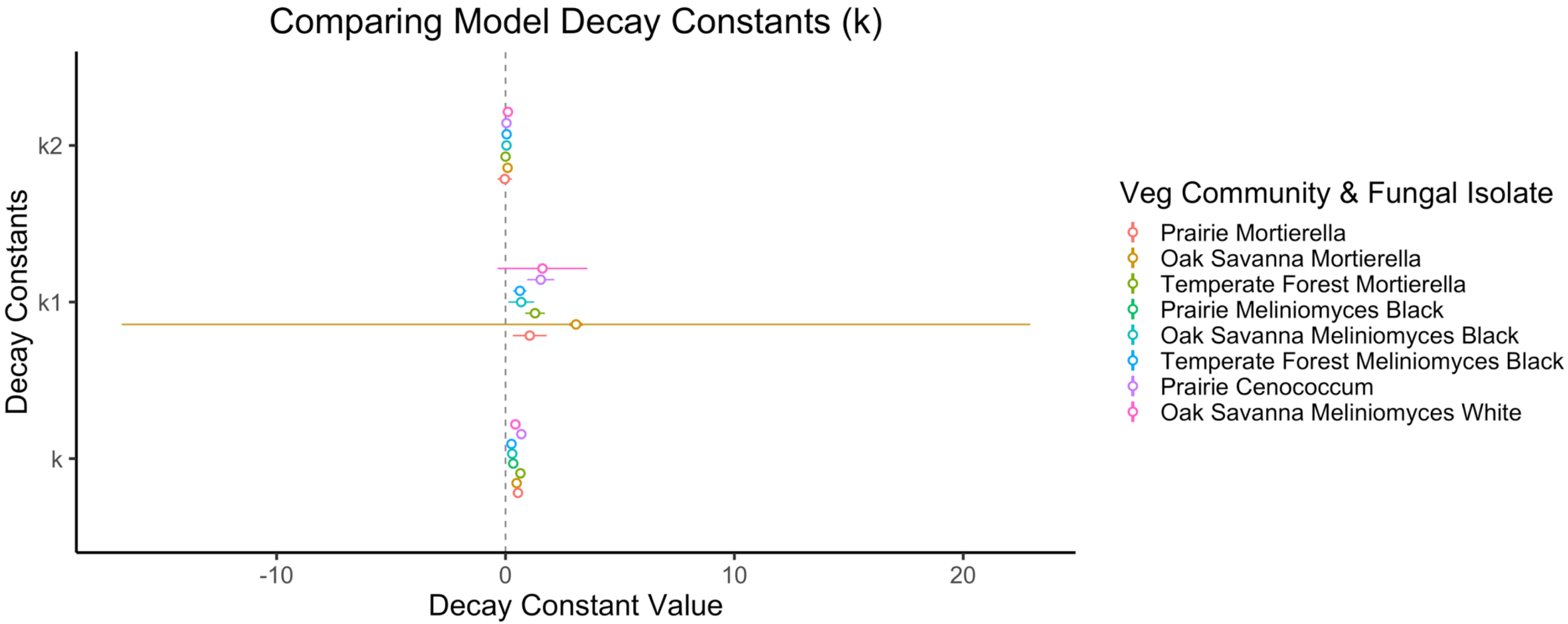




Temperate Forest-Double Exponential Fits







Mean values with 95% confidence intervals

AIC Values for the different decay models

Model	df	AIC
k.CCpr_ME	2	-65.826611
K2.CCpr_ME	4	-103.76713
k.CCsav_ME	2	-54.827283
K2.CCsav_ME	4	-142.64109
k.MCfor_ME	2	-56.449419
K2.MCfor_ME	4	-127.43932
k.CCpr_MB	2	-37.91283
k.CCsav_MB	2	-55.377061
K2.CCsav_MB	4	-81.047135
k.MCfor_MB	2	-56.490645
K2.MCfor_MB	4	-110.17881
k.CCpr_Ceno	2	-84.834266
K2.CCpr_Ceno	4	-155.76363
k.CCsav_MW	2	-56.809968
K2.CCsav_MW	4	-108.18964

**looks like the double exponential models have smaller AIC values (i.e. more negative in this case)

Also the same fungal isolates seem to be decaying at different rates-decay rates depend on the vegetation community for a given isolate