

Table 1: Marginal and Conditional pseudo R2 values for linear mixed models

model	R2m	R2c
Aboveground Biomass C ~ Invasion Stage * Time Since Fire + (1 Article ID)	0.19	0.45
Belowground Biomass C ~ Time Since Fire + (Time Since Fire Article ID)	0.36	0.87
Litter Carbon ~ Time Since Fire + (1 Article ID)	0.08	0.45
Soil Organic C ~ Time Since Fire * Invasion Stage * Soil Depth + (1 Article ID)	0.19	0.49
Soil Total C ~ Time Since Fire * Invasion Stage * Soil Depth + (1 Article ID)	0.18	0.43

Note:

R2m: Marginal R-squared

R2c: Conditional R-squared

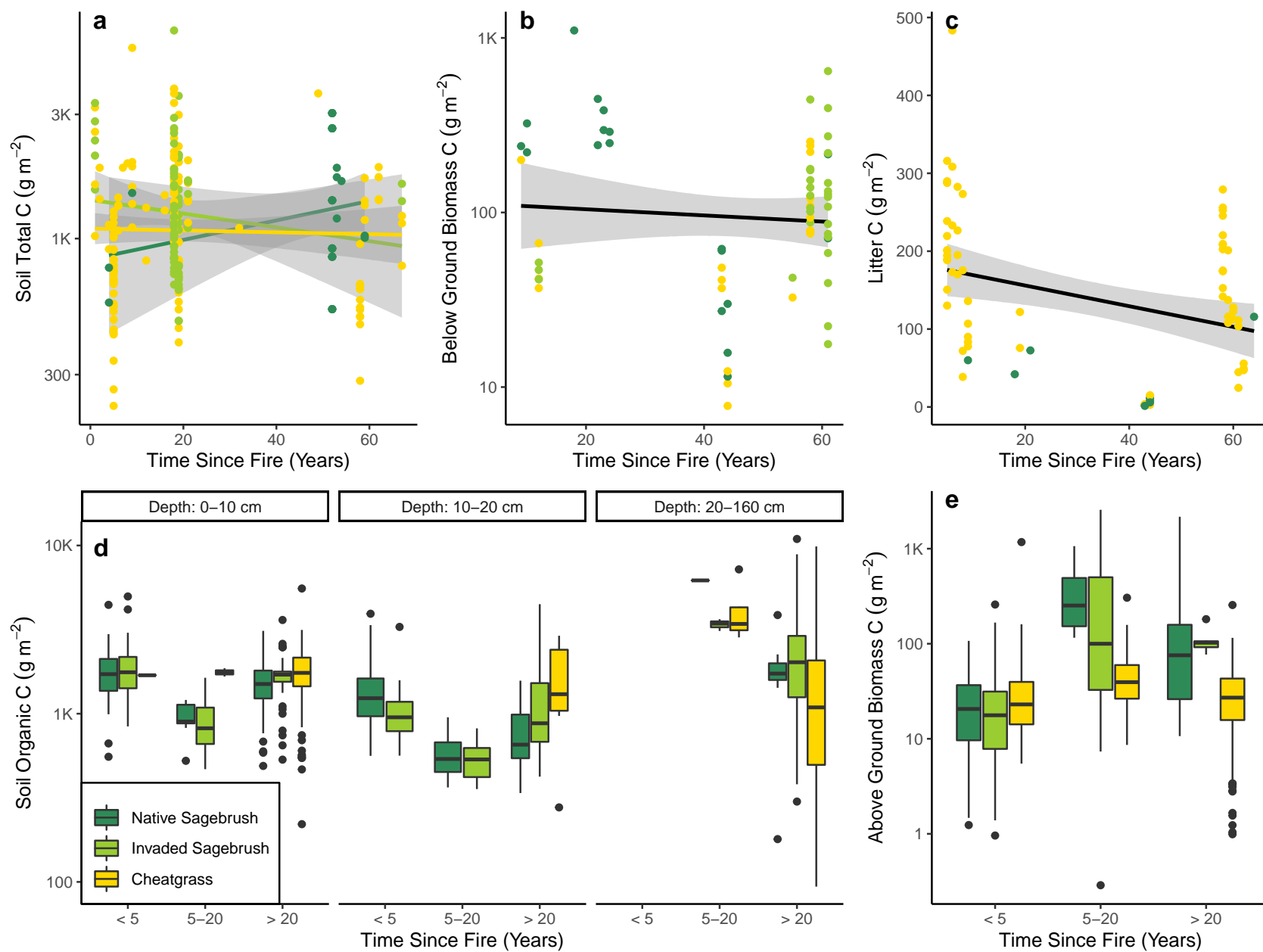


Table 2: Linear mixed model results. Significance calculated using type II Wald Chi-squared tests

Variable	Chisq	Df	p-value
Aboveground Biomass C			
Vegetation Type	0.0818	2	0.9599
Time Since Fire	3.4856	2	0.175
Vegetation Type x Time Since Fire	41.3473	4	0 *
Belowground Biomass C			
Time Since Fire	6.5456	1	0.0105 *
Litter C			
Time Since Fire	10.0517	1	0.0015 *
Soil Organic C			
Time Since Fire	88.0277	2	0 *
Vegetation Type	14.5873	2	7e-04 *
Soil Depth	33.5038	2	0 *
Time Since Fire x Vegetation Type	13.7498	4	0.0081 *
Time Since Fire x Soil Depth	12.6250	3	0.0055 *
Vegetation Type x Soil Depth	17.0866	4	0.0019 *
Time Since Fire x Soil Depth	4.4934	4	0.3433
Soil Total C			
Time Since Fire	0.5129	1	0.4739
Vegetation Type	1.6069	2	0.4478
Soil Depth	17.3411	1	0 *
Time Since Fire x Vegetation Type	4.2915	2	0.117
Time Since Fire x Soil Depth	4.1336	1	0.042 *
Vegetation Type x Soil Depth	8.8297	1	0.003 *
Time Since Fire x Vegetation Type x Soil Depth	5.1538	1	0.0232 *