

Table S3. GLM and LM outputs for the estimated regression parameters and standard errors of the response of (i) taxonomic and (ii) functional plant diversity indexes to the habitat type (grassland, chestnut, scrubland, oak forest).

(i) Taxonomic diversity									
May					June				
Richness - Trich					Richness - Trich				
Generalized Linear model: glm(Trich~Environment, Family ="poisson")					Generalized Linear model: glm.nb(Trich~Environment)				
	Estimate	SE	Statistic	p-value		Estimate	SE	Statistic	p-value
Grassland	2.944	0.178	16.539	0.000	Grassland	2.970	0.205	14.492	0.000
Chestnut	0.147	0.248	0.591	0.555	Chestnut	0.000	0.290	0.000	1.000
Scrubland	-0.547	0.270	-2.023	0.043	Scrubland	-0.465	0.303	-1.536	0.125
Forest	-0.419	0.265	-1.580	0.114	Forest	-0.405	0.301	-1.348	0.178
Shannon diversity Index -SDI					Shannon diversity Index - SDI				
Generalized Linear model: glm(SDI~Environment, family="Gamma")					Linear model: glm(SDI~Environment, family="Gamma")				
	Estimate	SE	Statistic	p-value		Estimate	SE	Statistic	p-value
Grassland	0.438	0.079	5.584	0.000	Grassland	0.427	0.075	5.710	0.000
Chestnut	-0.015	0.109	-0.140	0.891	Chestnut	0.036	0.110	0.323	0.752
Scrubland	0.260	0.148	1.763	0.103	Scrubland	0.194	0.132	1.466	0.168
Forest	0.151	0.131	1.145	0.274	Forest	0.127	0.123	1.034	0.321
(ii) Functional diversity									
May					June				
Functional dispersion - Fdis					Functional dispersion - Fdis				
Generalized Linear model: glm(Fdis~Environment, Family ="Gamma")					Generalized Linear model: glm(Fdis~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value		Estimate	SE	Statistic	p-value
Grassland	2.307	0.312	7.391	0.000	Grassland	2.901	0.409	7.085	0.000
Chestnut	-0.096	0.432	-0.222	0.828	Chestnut	0.215	0.601	0.358	0.726
Scrubland	-0.115	0.431	-0.267	0.794	Scrubland	-1.322	0.466	-2.837	0.015
Forest	-0.407	0.404	-1.007	0.334	Forest	-1.608	0.448	-3.587	0.004
May					June				
Functional richness - Fric					Functional richness - Fric				
Generalized Linear model: glm(Fric~Environment, Family ="Gamma")					Generalized Linear model: glm(Fric~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value		Estimate	SE	Statistic	p-value
Grassland	51.540	34.968	1.474	0.166	Grassland	8.583	2.880	2.980	0.011
Chestnut	-15.289	42.751	-0.358	0.727	Chestnut	5.100	5.420	0.941	0.365
Scrubland	-43.663	35.374	-1.234	0.241	Scrubland	-6.118	2.997	-2.041	0.064
Forest	-41.116	35.676	-1.152	0.272	Forest	-6.224	2.987	-2.084	0.059

Functional divergence - Fdiv				
Generalized Linear model: glm(Fdiv~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	1.134	0.052	21.705	0.000
Chestnut	0.068	0.076	0.888	0.392
Scrubland	0.027	0.075	0.359	0.726
Forest	-0.016	0.073	-0.216	0.833

Functional evenness - Feve				
Generalized Linear model: glm(Feve~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	2.069	0.144	14.404	0.000
Chestnut	0.195	0.213	0.914	0.379
Scrubland	0.061	0.206	0.297	0.772
Forest	-0.382	0.185	-2.060	0.062

Functional specialization - Fspe				
Generalized Linear model: glm(Fspe~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	3.252	0.258	12.582	0.000
Chestnut	0.076	0.370	0.205	0.841
Scrubland	-1.603	0.290	-5.530	0.000
Forest	-1.505	0.293	-5.131	0.000

Functional originality - Fori				
Generalized Linear model: glm(Fori~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	6.737	2.097	3.213	0.007
Chestnut	6.131	4.521	1.356	0.200
Scrubland	-4.149	2.247	-1.847	0.090
Forest	7.101	4.791	1.482	0.164

Number of functional entities - Fnfe				
Generalized Linear model: glm(Fnfe~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	2.546	0.174	14.589	0.000
Chestnut	0.195	0.240	0.815	0.415
Scrubland	-0.243	0.257	-0.944	0.345
Forest	-0.171	0.254	-0.672	0.502

Functional divergence - Fdiv				
Generalized Linear model: glm(Fdiv~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	1.171	0.086	13.572	0.000
Chestnut	0.205	0.133	1.537	0.150
Scrubland	-0.047	0.120	-0.394	0.701
Forest	-0.076	0.118	-0.647	0.530

Functional evenness -Feve				
Generalized Linear model: glm(Feve~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	2.479	0.284	8.737	0.000
Chestnut	0.350	0.430	0.813	0.432
Scrubland	-0.143	0.390	-0.367	0.720
Forest	-0.692	0.350	-1.979	0.071

Functional specialization -Fspe				
Generalized Linear model: glm(Fspe~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	2.473	0.162	15.238	0.000
Chestnut	0.280	0.243	1.152	0.272
Scrubland	-1.204	0.182	-6.598	0.000
Forest	-1.102	0.186	-5.938	0.000

Functional originality - Fori				
Generalized Linear model: glm(Fori~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	9.505	3.573	2.660	0.021
Chestnut	15.542	10.071	1.543	0.149
Scrubland	-5.542	3.872	-1.431	0.178
Forest	-2.372	4.468	-0.531	0.605

Number of functional entities - Fnfe				
Generalized Linear model: glm(Fnfe~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	2.603	0.205	12.684	0.000
Chestnut	-0.139	0.295	-0.471	0.638
Scrubland	-0.275	0.300	-0.918	0.359
Forest	-0.160	0.296	-0.542	0.588

Functional Redundancy - Fred				
Generalized Linear model: glm(Fred~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	0.668	0.027	24.317	0.000
Chestnut	0.036	0.040	0.900	0.386
Scrubland	0.271	0.047	5.717	0.000
Forest	0.207	0.045	4.574	0.001

Functional Vulnerability - Fvuln				
Generalized Linear model: glm(Fvuln~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	1.153	0.041	28.074	0.000
Chestnut	0.111	0.061	1.820	0.094
Scrubland	-0.099	0.056	-1.779	0.101
Forest	-0.053	0.057	-0.938	0.367

Functional Redundancy - Fred				
Generalized Linear model: glm(Fred~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	0.705	0.059	11.982	0.000
Chestnut	-0.123	0.076	-1.614	0.132
Scrubland	0.108	0.090	1.200	0.253
Forest	0.174	0.094	1.850	0.089

Functional Vulnerability - Fvuln				
Generalized Linear model: glm(Fvuln~Environment, Family ="Gamma")				
	Estimate	SE	Statistic	p-value
Grassland	1.158	0.063	18.436	0.000
Chestnut	0.113	0.093	1.213	0.248
Scrubland	0.044	0.091	0.483	0.637
Forest	-0.038	0.087	-0.432	0.674