

**Table 2:** Permutational analysis of variance (PERMANOVA) of a)  $T_{2WL}$ , b)  $T_{2peak}$ , c)  $\tau_{YP}$ , d)  $\tau_{max}$  and e) SI as function of the polymer type and soil extract of the FSE. Significant effects and interactions are shown marked in bold, respectively.

<b>a</b> $T_{2WL}$					
	Df	Sum Sq	R2	F value	Pr(>F)
Polymer type	1	2.66	0.09	84.61	<b>0.001</b>
Soil extract	2	24.84	0.86	394.45	<b>0.001</b>
Polymer type: soil extract	2	0.74	0.03	11.78	<b>0.002</b>
Residuals	24	0.76	0.03		
<b>b</b> $T_{2peak}$					
	Df	Sum Sq	R2	F value	Pr(>F)
Polymer type	1	3.29	0.11	136.42	<b>0.001</b>
Soil extract	2	24.38	0.84	506.27	<b>0.001</b>
Polymer type: soil extract	2	0.75	0.03	15.64	<b>0.001</b>
Residuals	24	0.58	0.02		
<b>c</b> $\tau_{YP}$					
	Df	Sum Sq	R2	F value	Pr(>F)
Polymer type	1	12.58	0.43	25.43	<b>0.001</b>
Soil extract	2	2.97	0.10	3.00	0.058
Polymer type: soil extract	2	1.59	0.05	1.61	0.218
Residuals	24	11.87	0.41		
<b>d</b> $\tau_{max}$					
	Df	Sum Sq	R2	F value	Pr(>F)
Polymer type	1	19.26	0.66	70.08	<b>0.001</b>
Soil extract	2	2.04	0.07	3.71	<b>0.040</b>
Polymer type: soil extract	2	1.11	0.04	2.02	0.176
Residuals	24	6.59	0.23		
<b>e</b> SI					
	Df	Sum Sq	R2	F value	Pr(>F)
Polymer type	1	23.43	0.81	2,377.71	<b>0.001</b>
Soil extract	2	5.09	0.18	258.37	<b>0.001</b>
Polymer type: soil extract	2	0.24	0.01	11.97	<b>0.001</b>
Residuals	24	0.24	0.01		