

Table S6. Analysis of Variance table of type 3 with Satterthwaite approximation for degrees of freedom of the linear mixed effects models for the Evapotranspiration (ET), Evaporation (E) and community transpiration (T) parameters as a function of exploratory, management intensity, treatment (precipitation reduction) and the interaction of management and treatment for the campaign spring 2012.

Spring 2012			ET		E			Ts		
Fixed factors	Num df	den DF ^b	F-value or z - score	p ^a	den DF ^b	F-value or z - score	p ^a	den DF ^b	F-value or z - score	p ^a
exploratory	2	27	4.733	0.017	2	3.937	0.203	2	14.60	0.064
Hainich - Alb ^c			0.848	1.000						
Schorfheide – Alb			-2.313	0.062						
Schorfheide - Hainich			-3.037	0.007						
management	2	27	18.02	<.001	2	3.927	0.203	2	0.679	0.600
managed - intensive ^c			4.303	<.001						
unmanaged - intensive			4.560	<.001						
unmanaged - managed			0.814	1.000						
treatment	1	29	0.044	0.836	46	7.831	0.003	46	20.26	<.001
management * treatment	2	29	0.621	0.544	46	0.798	0.456	46	0.530	0.592

^a Significant probabilities (< 0.05) are shown in bold.

^b denDF is the number of degrees of freedom associated with the model errors.

^c Results of multiple comparisons of means (Tukey Contrasts) were calculated for each parameter per factor of the linear mixed effects models. P values were adjusted by the bonferroni method.