

Table S5. Models of the response of forest and shrubland expansion to drought and land-use factors. Effects of drought frequency (DRfreq), drought intensity (DRint) and land-use (LU) on the rates of forest and shrubland expansion (RFE and RSE, respectively) were assessed using Analysis of Variance (ANOVAs) run for three different time frames (0-49 years, 50-149 years and 150-200 years). Interactions between factors are denoted with a “:”, and significant *F* values ($P < 0.05$) are shown in bold. Forest models are models F1, F2 and F3 and shrubland models are S1, S2 and S3.

Time frame		<i>F</i> value
Years 0-49	Model F1 RFE ~ DRint + DRfreq + DRint:DRfreq	$F_{15,80} = 13.24$
	Model S1 RSE ~ DRint + DRfreq	$F_{7,88} = 10.98$
Years 50-149	Model F2 RFE ~ LU + DRint + DRfreq + LU:DRint + LU:DRfreq + DRint:DRfreq	$F_{23,72} = 6.813$
	Model S2 RFE ~ LU + DRint + DRfreq	$F_{8,87} = 19.48$
Years 150-200	Model F3 RFE ~ LU	$F_{1,94} = 4.141$
	Model S3 RSE ~ LU + DRint + DRfreq + DRint:DRfreq	$F_{16,79} = 15.92$