Supplementary Material

Table S1. List of dependent and predictor variables

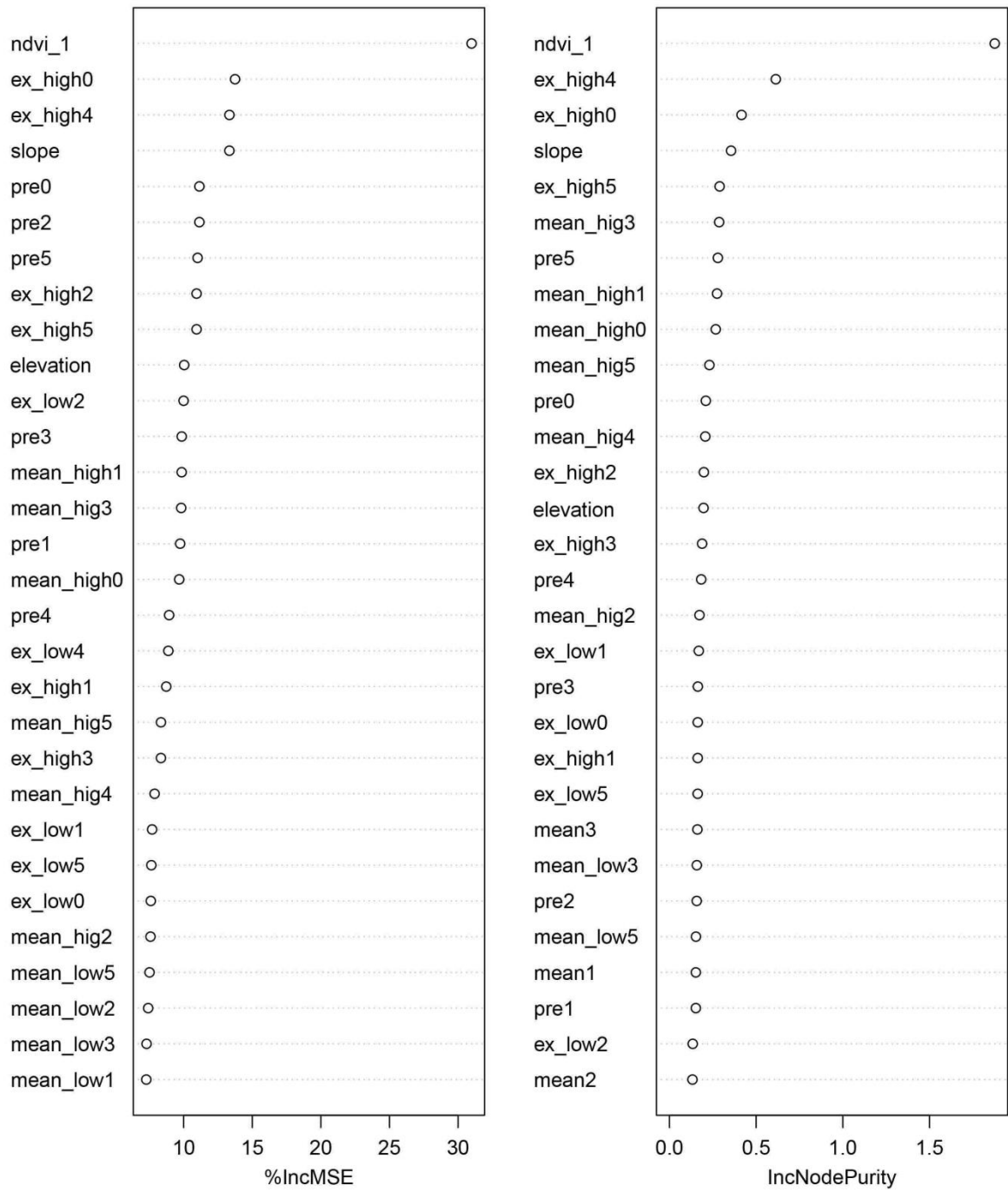| Variable		Units	Description
Dependent variable	The NDVI values of post-disturbance 5th year (*NDVI*_5)	NDVI*100	A proxy for post-disturbance forest recovery status
Disturbance effect	The NDVI values of post-disturbance 1st year (*NDVI*_1)	NDVI*100	A proxy for disturbance legacies
	Disturbance magnitude		Extracted from VCT prodcts, a proxy for disturbance severity
Topography	Elevation	m	The elevation of the recovery pixels
	Slope		The slope of the recovery pixels
	Aspect	Degrees	The aspect of the recovery pixels
	Northness		Calculated using cosine of aspect
	Eastness		Calculated using sine of aspect
Climate variables	mean_tem_0, mean_tem_1, mean_tem_2, mean_tem_3, mean_tem_4, mean_tem_5,	Values*10	Mean temperature from the disturbance-occurred year to the 5th year in disturbed patches
	ex_high_0, ex_high_1, ex_high_2, ex_high_3, ex_high_4, ex_high_5		Extreme high temperatures from the disturbance-occurred year to the 5th year in disturbed patches
	ex_low_0, ex_low_1, ex_low_2, ex_low_3, ex_low_4,ex_low_5		Extreme low temperature from the disturbance-occurred year to the 5th year in disturbed patches
	mean_high_0, mean_high_1, mean_high_2, mean_high_3, mean_high_4, mean_high_5		Mean high temperatures from the disturbance-occurred year to the 5th year in disturbed patches
	mean_low_0, mean_low_1, mean_low_2, mean_low_3, mean_low_4, mean_low_5		Mean low temperature from the disturbance-occurred year to the 5th year in disturbed patches
	pre_0, pre_1, pre_2, pre_3, pre_4, pre_5		Precipitation from the disturbance-occurred year to the 5th year in disturbed patches

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Fig. S1 Importance ranking of the predictor variables.