

Table S1. Pearson's correlation coefficient quantifying the relationship between the landscape attributes and the first axis resulting from ordinations (NMDS) regarding different group-level of predictors and spatial scales.

	Spatial scale		
	1000 m	3000 m	5000 m
Attributes	Composition		
SFo	1.00	0.99	-0.84
TFo	-0.04	-0.21	-0.37
SFo*	-0.75	-0.77	0.99
AFi	-0.75	-0.72	-0.87
	Area-Shape _{SEF}		
Area	-0.85	0.59	0.95
ED	0.86	-0.75	0.86
Shape	0.62	0.20	-0.76
	Configuration _{SEF}		
CLUMPY	-0.78	0.37	0.11
IJI	-0.38	-0.89	-0.88
MESH	0.91	0.95	0.92
ENN	-0.43	-0.62	0.00

Spatial scales: circular buffers of 1000, 3000 and 5000 m radius. Group-level of predictors: variation in the landscape composition (Composition), in the area and shape of semi-evergreen forest patches (Area-Shape_{SEF}) and in the landscape configuration regarding semi-evergreen (Configuration_{SEF}). Landscape attributes: considered as part of the group-level predictor "Composition", the percentage of landscape coverage regarding semi-evergreen forest (SFo), thorn forest (TFo), secondary semi-evergreen forest (SFo*), and agricultural field (AFi); considered as part of the group-level predictor "Area-Shape_{SEF}", the mean area (Area), shape index (Shape), edge density (ED) of semi-evergreen forest patches; and considered as part of the group-level predictor "Configuration_{SEF}", the clumpiness index (CLUMPY), the interspersation and juxtaposition index (IJI), the mean nearest neighbour distance among patches (ENN) and the effective mesh size (MESH) regarding semi-evergreen forest patches. Significant correlations are displayed in bold font. More information about analyses are presented in the method section.