Covariate (Scale)	Spatial Unit	Type	Covariate Description
Topography (Macro-habi	tat)		
Aspect Slope	Location point Location point	Categorical Continuous	Four classes (north, south, east, west) Ground downward/upward inclination; degrees
Elevation	Location point	Continuous	(0–50°) Altitude a.s.l. (above sea level); meters (457–1916 m)
			1910 III)
Habitat type (Macro-habitat)			
	Grid cell	Categorical	Dominant tree/shrub species or general feature
	(approx. 50 m surrounding)		(e.g., field) of sampling locations
Cover (Macro-habitat)			
Canopy cover	Grid cell	Continuous	Mean number of Lemmon's densitometer
	(approx. 50 m surrounding)		squares covered by tree crowns against open
			sky in north, south, east and west (0–24 squares)
Hiding cover at 5 meters	Grid cell	Continuous	Number of covered squares in a cover board at
	(approx. 50 m surrounding)		a randomly chosen distance of 5 m from the
			sampling locations (0–30 squares)
Hiding cover at 20 meters	Grid cell	Continuous	Number of covered squares in a cover board at
	(approx. 50 m surrounding)		a randomly chosen distance of 20 m from the
			sampling locations (0–30 squares)
Vegetation composition (I	(fiama habitat)		
Forbs	Sampling quadrats	Continuous	% of 2×1 m ² sampling frames covered by forbs
10103	(2 m ²)	Continuous	% of 2×1 iii sampling frames covered by foros
Shrubs	Sampling quadrats	Continuous	% of 2×1 m ² sampling frames covered by
Sili uos	(2 m^2)	Continuous	shrubs (all plant species with a woody stem and
	(2 III)		a diameter <5 cm); from 0 to 1.5 m above soil
			level
Grasses/sedges	Sampling quadrats	Continuous	% of 2×1 m ² sampling frames covered by
Grasses, seages	(2 m^2)	Commuous	grasses/sedges
Ferns	Sampling quadrats	Continuous	% of 2×1 m ² sampling frames covered by ferns
	(2 m^2)		r g
Ground-layer (Micro-habitat)			
Bare/rocks	Sampling quadrats	Continuous	% of 2×1 m ² sampling frames covered by bare
	(2 m^2)		and rocks
Woody debris	Sampling quadrats	Continuous	% of 2×1 m ² sampling frames covered by
	(2 m^2)		woody debris
Mosses/lichens	Sampling quadrats	Continuous	% of 2×1 m ² sampling frames covered by
	(2 m^2)		mosses and lichens
Litter	Sampling quadrats	Continuous	% of 2×1 m ² sampling frames covered by litter
	(2 m^2)		(dead leaves, needles and cones)
Shrub composition (Micro-habitat)			
Shrub species	Sampling quarter circle (7 ²)	Categorical	Shrub species present within a 3 m radius
Sili do species	bumping quarter energy (7)	Cutegoricui	quarter circle from the lower left corner of the
			first sampling frame
			r &
Vegetation/shrub phenological	==		
Old alive	Samp[ling subunit	Continuous	% of old alive plants
	(quadrat or quarter circle)		
Newly emergent	Samp[ling subunit	Continuous	% of newly emergent plants
	(quadrat or quarter circle)	G	
Old alive with new leaves	Samp[ling subunit	Continuous	% of shrubs with new leaves
014 -1::41- 1 4-	(quadrat or quarter circle)	C4:	07 - F - h h i.d. h J -
Old alive with buds	Samp[ling subunit (quadrat or quarter circle)	Continuous	% of shrubs with buds
Flowering	Samp[ling subunit	Continuous	% of plants with flowers
Flowering	(quadrat or quarter circle)	Continuous	% of plants with flowers
Fruiting	Samp[ling subunit	Continuous	% of plants with fruits
	(quadrat or quarter circle)	Commuous	of planto with fruito
Mature	Samp[ling subunit	Continuous	% of plants with both flowers and fruits
	(quadrat or quarter circle)		1
Cured	Samp[ling subunit	Continuous	% of plants dead the current year
	(quadrat or quarter circle)		-
Old dead	Samp[ling subunit	Continuous	% of plants dead the previous year
	(quadrat or quarter circle)		