

Table S3. The environmental variables used in this study

Type	Code	Description	Unit
Climate	bio1	Annual mean temperature	°C
	Bio14	Precipitation of driest month	mm
	bio18	Precipitation of the warmest quarter	mm
Soil	t-silt	Topsoil silt fraction	%
	t-teb	Topsoil TEB	cmol/kg
	t-ece	Topsoil electric conductivity	
	t-grave	Topsoil gravel content	%
Land cover	gm-lc-v3	Land Cover Types (Cropland, Forest, Grassland, Shrubland, Wetland, Water, Tundra, Impervious Surface, Bare Land, Snow/Ice-Disturbed)	
Topographical	elev	Elevation	m
	slope	/	°
	aspect	/	rad