

Supplementary Table S1. List of families and species sampled in the rupestrian grassland non-graminoid vegetation, and the corresponding fire frequency regimes in which they were sampled. The fire frequency values indicate the number of plots where species were found. The growth form and presence/absence of underground storage organ information is based on Flora e Funga do Brasil. Available online: <http://floradobrasil.jbrj.gov.br> (accessed on 6 June 2023). All species have a perennial life cycle. NA – Not available.

Family	Species	Fire frequency			Growth form	Underground storage organ
		Low	Medium	High		
Asteraceae	<i>Ageratum fastigiatum</i> (Gardner) R.M.King & H.Rob.			5	Shrub, Subshrub, Herb	Absent
	<i>Aspilia jolyana</i> G.M.Barroso	1			Shrub	Absent
	Asteraceae sp.		1		Shrub	NA
	<i>Eremanthus erythropappus</i> (DC) McLeisch	1		1	Tree	Absent
	<i>Lychnophora rupestris</i> Semir	1			Tree, Shrub	Absent
	<i>Lychnocephalus sellovii</i> (Sch.Bip.) Loeuille, Semir & Pirani			1	Tree, Shrub	Absent
	<i>Symphyopappus reticulatus</i> Baker	1			Subshrub	Absent
	<i>Vernonanthura polyanthes</i> (Sprengel) Vega & Dematteis			1	Shrub	Absent

Eriocaulaceae	<i>Paepalanthus bromelioides</i> Silveira		2	Herb	Present
Erythroxylaceae	<i>Erythroxylum campestre</i> A.St.-Hil.		1	Tree, Shrub, Subshrub	Absent
	<i>Erythroxylum suberosum</i> A.St.-Hil., A.Juss. & Cambess.	1		Tree, Shrub, Subshrub	Absent
	<i>Erythroxylum</i> sp.		1	Shrub	NA
Fabaceae	<i>Calliandra fasciculata</i> Benth.	1		Shrub	Absent
	<i>Chamaecrista multipennis</i> (H.S.Irwin & Barneby) H.S.Irwin & Barneby	1		Shrub	NA
	<i>Chamaecrista</i> sp.		1	Shrub	NA
	<i>Stryphnodendron adstringens</i> (Mart.) Coville		1	Tree, Shrub	Absent
Lamiaceae	<i>Hyptis proteoides</i> A.St.-Hil. ex Benth.	1		Subshrub	Present
	<i>Hyptis</i> sp.		1	Shrub	-
Lythraceae	<i>Cuphea ericoides</i> Cham. & Schltld.	1		Shrub, Subshrub	Absent
	<i>Diplusodon orbicularis</i> Koehne	5	6	Subshrub	Absent
Malpighiaceae	<i>Peixotoa tomentosa</i> A. Juss.		2	Shrub, Subshrub	Absent

Melastomataceae	<i>Lavoisiera caryophyllea</i> A.St.-Hil. ex Naudin		1	Shrub, Subshrub	Absent
	<i>Lavoisiera cordata</i> Cogn		1	Shrub	Absent
	<i>Lavoisiera imbricata</i> (Thunb.) DC.	1		Shrub, Subshrub	Absent
	<i>Marcetia taxifolia</i> (A.St.-Hil.) DC.		3	3 Shrub, Subshrub	Absent
	<i>Miconia albicans</i> Benth.		1	Tree, Shrub	Absent
	Melastomataceae sp.		1	Shrub	NA
Myrtaceae	Myrtaceae sp.		1	Shrub	NA
Polygonaceae	<i>Coccoloba cereifera</i> Schwacke	1		Shrub	Present
Primulaceae	<i>Myrsine leuconeura</i> Mart.		1	1 Tree	Absent
Velloziaceae	<i>Vellozia resinosa</i> Mart. ex Schult. & Schult.f.		2	Subshrub	Absent
	<i>Vellozia epidendroides</i> Mart. ex Schult. & Schult.f.		1	Subshrub, Herb	Absent
	<i>Vellozia graminea</i> Pohl		1	Herb	Absent
	<i>Vellozia nivea</i> L.B.Sm. & Ayensu	1		Subshrub	Absent

	<i>Vellozia variabilis</i> Mart. ex Schult. & Schult.f.	1	2	2	Subshrub	Absent
Verbenaceae	<i>Lippia florida</i> Cham.			1	Shrub	Absent
Vochysiaceae	<i>Vochysia pygmaea</i> Bong.		5		Shrub, Subshrub	Absent
	<i>Vochysia thyrsoidea</i> Pohl.			1	Tree	Absent
