

Supplementary information for:

**Do different relevance attributes indicate the same conservation priorities?
A case study in caves of southeastern Brazil**

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Supplementary Table S1. Model list of species/area relation, using SAR function of BAT package.

Function	c	z	r ²	AIC	ΔAIC	AICc	ΔAICc
Linear	55.16412	0.05209701	0.6539697	107.2138	0.000000	113.2138	0.000000
Linear (origin)	NA	0.08771652	-0.3106851	125.1905	17.976682	129.3723	16.158500
Exp.	-33.50334	21.40641228	0.3742112	116.1011	8.887297	122.1011	8.887297
Exp. (origin)	NA	15.49369111	0.3438972	114.8107	7.596865	118.9925	5.778683
Power	40.32235	0.62753503	0.6007566	109.3595	2.145671	115.3595	2.145671
Power (origin)	NA	0.68041254	0.1606572	118.5052	11.291391	122.6870	9.473210

Supplementary Table S2. Residual values of linear model of species/area relation, used as relative richness measure.

Cave	Residuals
Tobogã	30.206777
Lagoa da Pedra	-14.509798
Morena	12.964240
Gruta da Represinha	-7.331880
Gruta II	43.272971
Salitre	33.633359
Gruta do Meio	42.416479
Lapinha do Atamis	-7.415760
Gruta IV	-26.289939
Gruta da Mata	12.166150
Lapa da Onça	-10.666089
Santo Amaro I	-27.386604
Santo Amaro II	-30.338447
Gruta I	-2.206059
Maquiné	-48.515402

Supplementary Table S3. Invertebrate richness and species composition of the 15 caves at Cordisburgo karst area, Minas Gerais State, Brazil. Unidentified (Und).

	Taxa	Families, <i>genera and species</i> (number of species)	Total
	Nematoda	Und. (1)	1
Nemertea	Nemertea	Und. (1)	1
Annelida	Oligochaeta	Und. (14)	14
	Hirudinea	Und. (1)	1
Molusca	Gastropoda	Und. (11)	11
Platyhelminthes	Turbellaria	Und. (6)	6
Crustacea	Isopoda	Armadillidae (1), Scleropactidae (1), (<i>Circoniscus incisus</i>), Dubioniscidae (2) (<i>Novamundoniscus</i> sp), Philosciidae (1) (<i>Atlantoscia</i>) Plathyarthridae (2) (<i>Trichorhina</i> sp.), Styloniscidae (5) (<i>Pectenoniscus</i> sp.)	12
	Ostracoda	Und. (1)	1
Arachnida	Araneae	Und. (6), Clubionidae (1), Dipluridae(1), Gnaphosidae (1), Nemesidae (1), Sicariidae (1) (<i>Loxosceles</i> sp.), Scytodidae (1), Theraphosidae (1) (<i>Lasiadora</i> sp.), Trechaleidae (1), Ochyroceratidae (2), Prodidomidae (2), Theridiosomatidae (3) (<i>Plato</i>), Uloboridae (3), Symphytognathidae (4) (<i>Anapistula</i> sp., <i>Symphytognatha carstica</i>), Ctenidae (5) (<i>Enoploctenus</i> sp., <i>Isoctenus</i> sp., <i>Ancylometes</i> sp.), Araneidae (5) (<i>Alpaida</i> sp.), Linyphiidae (6), Salticidae (6), Pholcidae (8) (<i>Mesabolivar</i> sp.), Oonopidae (9), Theridiidae (14) (<i>Theridion</i> sp.)	81
	Opiliones	Und. (1), Zalmoxidae (1), Escadabiidae (2) (<i>Spaeleoleptes</i> sp., <i>Spaeleoleptes spaeleus</i>), Gonyleptidae (7) (<i>Eusarcus</i> spp., <i>Spinopilar</i> spp., <i>Spinopilar moria</i>)	11
	Pseudoscorpiones	Und. (1), Cheiridiidae (1), Olpiidae (2), Chernetidae (3), Chthoniidae (6) (<i>Pseudochthonius</i> sp.)	13
	Palpigradi	Eukoeneriidae (4) (<i>Eukoeneria</i> sp., <i>Eukoeneria sagarana</i> , <i>Eukoeneria maquinenis</i> , <i>Eukoeneria florenciae</i>)	4
	Trombidiforme	Und. (4), Anystidae (1) (<i>Erythracarus</i> sp), Bdellidae (1), Cheyletidae (1), Cunaxidae (1), Ereynetidae (1), Tenerifidae (1) (<i>Neotenerifiola</i> sp.), Thryophitydidae (1), Tydeidae (1), Rhagidiidae (3)	15
	Sarcoptiforme	Und. (7), Acaridae (2) (<i>Tyrophagus</i> sp.), Anoeidae (1)	10
	Mesostigmata	Und. (1), Diploginiidae (1), Macrochelidae (1), Macronyssidae (1), Ologamasidae (1), Otopheidomenidae (1), Veigaiidae (1), Podocinidae (3) (<i>Podocinum</i>), Laelapidae (6) (<i>Myrmozeron</i> , <i>Cosmolaelaps</i> , <i>Stratiolaelaps</i> , <i>Gaeolaelaps</i>)	16
	Ixodida	Ixodidae (1) (<i>Amblyomma ovale</i>), Argasidae (1) (<i>Ornithodoros</i>)	2

Entognatha	Collembola	Und. (28), Cyphoderidae (1), Sminthuridae (1), Bourletiellidae (1), Neanuridae (2), Hypogastruridae (2) (<i>Acherontides sp.</i>), Arrhopalitidae (3) (<i>Arrhopalites sp.</i>)	37
Insecta	Diptera	Und. (6), Agromyzidae (1), Calliphoridae (1), Chaoboridae (1), Dixidae (1), Lauxaniidae (1), Muscidae (1), Scenopinidae (1), Sirphidae (1) (<i>Ornidia obesa</i>), Streblidae (1), Tabanidae (1), Culicidae (2), Mycetophilidae (2), Stratiomyidae (2) (<i>Hermetia</i>), Chironomidae (3), Dolichopodidae (3), Simuliidae (3), Tipulidae (4), Drosophilidae (5), Milichiidae (5), Sciaridae (5), Psychodidae (6) (<i>Lutzomyia</i> , Phoridae (7) (<i>Conicera sp.</i>), Cecidomyiidae (15), Ceratopogonidae (18)	96
	Coleoptera	Und. (1), Cerambycidae (1), Chrysomelidae (1), Cicindelidae (1), Coccinellidae (1), Dryopidae (1), Gyrinidae (1), Hydraenidae (1), Hydrophilidae (1), Lyctidae (1), Mordellidae (1), Scaphidiidae (1), Aderidae (2), Curculionidae (2), Dytiscidae (2), Elmidae (2), Histeridae (2), Lampyridae (2), Scydmaenidae (2), Nitidulidae (3), Scirtidae (3), Tenebrionidae (3) (<i>Zophobas sp.</i>), Pselaphidae (5), Ptiliidae (6), Ptilodactylidae (6), Scarabaeidae (6), Carabidae (22), Staphylinidae (34)	114
	Lepidoptera	Und. (2), Erebidae (1) (<i>Hypena</i>), Hesperidae (1), Arctiidae (2), Pyralidae (2), Noctuidae (7) (<i>Latebraria sp.</i>), Tineidae (23)	38
	Hymenoptera	Und. (10), Evaniidae (1), Sphecidae (1), Formicidae (25) (<i>Acromyrmex sp.</i> , <i>Crematogaster sp.</i> , <i>Odontomachus sp.</i>)	37
	Hemiptera	Und. (6), Gelastocoridae (1), Gerridae (1), Ortheziidae (1), Pyrrhocoridae (1), Tingidae (1), Belostomatidae (2), Hebridae (2), Notonectidae (2), Cicadellidae (4), Reduviidae (9) (<i>Zelurus sp.</i>), Veliidae (11) (<i>Rhagovelia sp.</i>)	41
	Psocoptera	Und. (1), Liposcelididae (1), Trogiidae (1), Ptiloneuridae (4) (<i>Euplocania sp.</i>), Lepidopsocidae (5), Psyllipsocidae (7) (<i>Psyllipsocus spp.</i> , <i>Psyllipsocus ramburii</i>)	19
	Blattodea	Und. (15), Blaberidae (1) (<i>Blaberus sp.</i>), Termitidae (4)	20
	Trichoptera	Und. (6), Hydropsychidae (1) (<i>Leptonema sp.</i>)	7
	Ensifera	Und. (3), Phalangopsidae (3) (<i>Eidmanacris sp.</i> , <i>Endecous sp.</i>)	6
	Ephemeroptera	Und. (4)	4
	Odonata	Und. (1)	1
	Neuroptera	Mantispidae (1)	1
	Dermaptera	Diplatyidae (1)	1
	Plecoptera	Und. (1)	1
	Thysanura	Nicoletiidae (2)	2
	Protura	Und. (1)	1
	Polydesmida	Und. (2), Oniscodesmidae (1), Chelodesmidae (2), Trichopolydesmidae (3), Pyrgodesmidae (3)	11
	Symphyla	Und. (6)	6
	Spirostreptida	Pseudonanolenidae (4)	4
Paupoda	Und. (3)	3	

Myriapoda	Spirobolida	Rhinocricidae (2)	2
	Polyxenida	Und. (1), Hypogexenidae (1)	2
	Scolopendromorpha	Cryptopidae (1)	1
	Geophilomorpha	Geophilidae (1)	1
	Lithobiomorpha	Und. (1)	1
	Diptera	Und. (8), Keroplatidae (1), Ceratopogonidae (2), Chironomidae (2), Culicidae (2), Stratiomyidae (2), Drosophilidae (3), Psychodidae (2) (<i>Lutzomyia sp.</i>)	22
	Coleoptera	Und. (11), Elateridae (1), Scarabaeidae (1), Lampyridae (6), Tenebrionidae (9), Staphylinidae (11)	39
Immatures	Lepidoptera	Und. (6), Tineidae (8)	14
	Psocoptera	Und. (2)	2
	Trichoptera	Und. (2)	2
	Odonata	Und. (3)	3
	Neuroptera	Myrmeleontidae (1)	1
	Megaloptera	Und. (1)	1
	Trombidiforme	Und. (2)	2
	Ephemeroptera	Und. (2)	2

