

Supplementary data I. Geographic and faunistic data of the 100 localities used in the analysis. (1) Nearctic region; (2) Neotropical region; (3) Palaearctic region; (4) Afrotropic region; (5) Indomalaysian region. ^a Cl. Climate zone (see Hernández Fernández and Peláez-Campomanes 2003). / Datos faunísticos y geográficos de las 100 localidades usadas en el análisis. (1) Neártico; (2) Neotrópico; (3) Paleártico; (4) Afrotrópico (5) Indomalaya. ^a Cl. Zona climática (ver Hernández Fernández y Peláez-Campomanes 2003).

N	^a Cl.	Biogeographic Region	Locality	Country	Latitude	Longitude	Altitude	References	
								Fauna	Climate
1	I	2	Paramaribo	Suriname	5° 51' N	55° 10' W	3 m	Eisenberg, 1989	Snow, 1976
2	I	2	Puerto Limón	Costa Rica	10° 00' N	083° 03' W	-3 m	Eisenberg, 1989; Eisenberg and Redford, 1999	Canty <i>et al.</i> , 2008
3	I	2	Sao Paulo	Brasil	23° 37' S	46° 39' W	807 m	Eisenberg, 1989; Eisenberg and Redford, 1999	Rudloff, 1981
4	I	2	Tumaco	Colombia	1° 49' N	78° 47' W	4 m	Eisenberg, 1989	Snow, 1976
5	I	2	Uapes	Brasil	0° 08' S	67° 05' W	83 m	Eisenberg, 1989; Eisenberg and Redford, 1999	Meteorological Office, 1958
6	I	4	Greenville	Liberia	5° 04' N	9° 05' W	10 m	Kingdon, 1971, 1979, 1982ab, 1997; Dorst and Dandelot, 1973; Corbet, 1978; Nowak, 1999; Skinner and Chimimba, 2005; WWF, 2006	Meteorological Office, 1983
7	I	4	Kribi	Cameroon	2° 57' N	9° 54' E	624 m	Kingdon, 1971, 1974ab, 1977, 1979, 1982ab; Nowak, 1999; Dorst and Dandelot, 1973	Bultot and Griffiths, 1972
8	I	4	Yangambi	Democratic Republic of the Congo	0° 49' N	24° 29' E	487 m	Kingdon, 1971, 1974ab, 1977, 1979, 1982ab; Nowak, 1999; Dorst and Dandelot, 1973	Bultot and Griffiths, 1972
9	I	5	Medan	Indonesia	3° 40' N	98° 35' E	14 m	Corbet and Hill, 1992	Sukanto, 1969
10	I	5	Silchar	India	24° 49' N	92° 48' E	29 m	Corbet and Hill, 1992	Meteorological Office, 1966
11	II	2	Acapulco	Mexico	16° 50' N	99° 56' W	3 m	Eisenberg, 1989; Eisenberg and Redford, 1999	Meteorological Office, 1958
12	II	2	Brasilia	Brasil	15° 47' S	47° 56' W	1158 m	Eisenberg, 1989; Eisenberg and Redford, 1999	Mühr, 2007
13	II	2	Pto Ayacucho	Venezuela	5° 41' S	67° 38' W	99 m	Eisenberg, 1989	Snow, 1976
14	II	2	Roque Sáenz Peña	Argentina	26° 49' S	60° 27' W	92 m	Redford and Eisenberg, 1992	Prohaska, 1976
15	II	4	Moundou	Chad	8° 37' N	16° 04' E	420 m	Kingdon, 1971, 1974ab, 1977, 1979, 1982ab; Nowak, 1999; Dorst and Dandelot, 1973	Griffiths, 1972a
16	II	4	Mtwara	Tanzania	10° 16' S	40° 16' E	113 m	Kingdon, 1971, 1974, 1977, 1979, 1982ab	Griffiths, 1972b
17	II	4	Ziguinchor	Senegal	12° 35' N	16° 16' W	10 m	Kingdon, 1971, 1974ab, 1977, 1979, 1982ab; Nowak, 1999; Dorst and Dandelot, 1973	Griffiths, 1972a

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								Fauna	Climate
18	II	5	Patna	India	25° 37' N	85° 10' E	53 m	Corbet and Hill, 1992	Rao, 1981
19	II	5	Phnom Penh	Cambodia	11° 33' N	104° 55' E	12 m	Corbet and Hill, 1992	Nieuwolt, 1981
20	II	5	Trivandrum	India	8° 29' N	18° 32' E	64 m	Corbet and Hill, 1992	Rao, 1981
21	II/III	1	Río Verde	Mexico	21° 56' N	99° 59' W	987 m	Hall, 1981	Meteorological Office, 1980
22	II/III	1	Santiago	Mexico	23° 28' N	109° 43' W	125 m	Hall, 1981	Canty <i>et al.</i> , 2008
23	II/III	2	Catamarca	Argentina	28° 26' S	65° 46' W	547 m	Redford and Eisenberg, 1992	Prohaska, 1976
24	II/III	2	Las Piedras	Venezuela	11° 42' N	70° 12' W	15 m	Eisenberg, 1989	Snow, 1976
25	II/III	2	Remanso	Brasilia	9° 41' S	42° 04' W	411 m	Eisenberg, 1989; Eisenberg and Redford, 1999	Rudloff, 1981
26	II/III	4	Gaborone	Botswana	24° 41' S	25° 55' E	983 m	Kingdon 1971, 1979, 1982ab, 1997; Dorst and Dandelot, 1973; Corbet, 1978; Nowak, 1999; Skinner and Chimimba, 2005	Meteorological Office, 1983
27	II/III	4	Tulear	Madagascar	23° 23' S	43° 44' E	9 m	Garbutt, 2007	Griffiths and Ranaivoson, 1972
28	II/III	4	Voi	Kenya	3° 24' S	38° 34' E	560 m	Kingdon, 1971, 1974ab, 1977, 1979, 1982ab	Griffiths, 1972b
29	II/III	4	Zinder	Niger	13° 48' N	8° 59' E	510 m	Kingdon, 1971, 1974ab, 1977, 1979, 1982ab; Nowak, 1999; Dorst and Dandelot, 1973	Griffiths, 1972a
30	II/III	5	Jaipur	India	26° 49' N	75° 48' E	390 m	Corbet and Hill, 1992	Rao, 1981
31	III	1	El Paso	USA	31° 48' N	106° 24' W	1194 m	Hall, 1981	Meteorological Office, 1980
32	III	1	Phoenix	USA	33° 26' N	112° 01' W	340 m	Hall, 1981	Court, 1974
33	III	2	Arica	Chile	18° 28' S	70° 22' W	29 m	Redford and Eisenberg, 1992	Miller, 1976
34	III	2	Mendoza	Argentina	32° 53' S	68° 49' W	800 m	Eisenberg, 1989; Eisenberg and Redford, 1992	Meteorological Office, 1958
35	III	3	Assuan	Egypt	23° 58' N	33° 40' E	194 m	Corbet, 1978	Estienne and Godard, 1970
36	III	3	Jacobabad	Pakistan	28° 17' N	68° 29' E	57 m	Corbet and Hill, 1992	Meteorological Office, 1966

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								Fauna	Climate
37	III	3	Muscat	Oman	23° 37' N	58 35' E	4 m	Corbet, 1978	Taha <i>et al.</i> , 1981
38	III	3	Smara	Western Sahara	26° 44' N	11° 26' W	140 m	Corbet, 1978	Font Tullot, 1955
39	III	4	Galcaio	Somalia	6° 46' N	47° 26' E	240 m	Kingdon, 1971, 1979, 1982ab, 1997; Dorst and Dandelot, 1973; Corbet, 1978; Nowak, 1999; Skinner and Chimimba, 2005; WWF, 2006	Meteorological Office 1983
40	III	4	Luderitz Bay	Namibia	26° 38' S	15° 06' E	23 m	Kingdon, 1971, 1974ab, 1977, 1979, 1982ab; Nowak, 1999; Dorst and Dandelot, 1973	Schulze, 1972
41	IV	1	Fresno	USA	36° 46' N	119° 42' W	100 m	Hall, 1981	Court, 1974
42	IV	1	San Diego	USA	32° 44' N	117° 10' W	4 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
43	IV	2	Santiago de Chile	Chile	33° 27' S	70° 42' W	520 m	Redford and Eisenberg, 1992	Miller, 1976
44	IV	3	Aleppo	Syria	36° 11' N	37° 13' E	395 m	Corbet, 1978	Taha <i>et al.</i> , 1981
45	IV	3	Esfahan	Iran	32° 37' N	51° 40' E	1598 m	Corbet, 1978	Taha <i>et al.</i> , 1981
46	IV	3	Potenza	Italy	40°38'N	15°46'E	823 m	Mitchell-Jones <i>et al.</i> , 1999	Meteorological Office, 1972
47	IV	3	Sanlúcar de Barrameda	Spain	36° 47' N	6° 21' W	30 m	Corbet, 1978	Elias and Ruiz, 1977
48	IV	3	Tripoli	Greece	37° 31' N	22° 21'E	661m m	Mitchell-Jones <i>et al.</i> , 1999	Meteorological Office, 1972
49	IV	3	Tunis	Tunisia	36° 50' N	10° 14' E	3 m	Corbet, 1978	Meteorological Office, 1983
50	IV	4	Cape Town	South Africa	33° 54'S	18° 32' E	17 m	Skinner and Chimimba, 2005	Schulze, 1972
51	V	1	Jacksonville	USA	30° 25' N	81° 39' W	7 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
52	V	1	New Orleans	USA	29° 57' N	90° 04' W	3 m	Hall, 1981	Court, 1974
53	V	2	Corrientes	Argentina	27° 28' S	58° 49' W	60 m	Redford and Eisenberg, 1992	Prohaska, 1976
54	V	2	Montevideo	Uruguay	34° 52' S	56° 12' W	22 m	Redford and Eisenberg, 1992	Meteorological Office, 1958

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								Fauna	Climate
55	V	2	Puerto Montt	Chile	41° 28' S	72° 57' W	13 m	Redford and Eisenberg, 1992	Miller, 1976
56	V	3	Fuzhou	China	26° 05' N	119° 18' E	88 m	Corbet and Hill, 1992	Watts, 1969
57	V	3	Kagoshima	Japan	31° 34' N	130° 33' E	4 m	Corbet, 1978	Arakawa and Taga, 1969
58	V	3	Pingnan	China	23° 23' N	110° 03' E	39 m	Corbet and Hill, 1992	Canty <i>et al.</i> , 2008
59	V	3	Shaoguan	China	55° 45' N	37° 34' E	156 m	Corbet and Hill, 1992	Canty <i>et al.</i> , 2008
60	V	4	East London	South Africa	33° 02' S	27° 52' E	125 m	Skinner and Smithers, 1990; Skinner and Chimimba, 2005	Schulze, 1972
61	VI	1	Cleveland	USA	41° 24' N	81° 51' W	237 m	Hall, 1981	Court, 1974
62	VI	1	Colorado Springs	USA	38° 49' N	104° 43' W	1882 m	Hall, 1981	Meteorological Office, 1980
63	VI	1	Prince Rupert	Canada	54° 17' N	136° 23' W	16 m	Hall, 1981	Hare and Hay, 1974
64	VI	1	St Louis	USA	38° 45' N	90° 23' W	163 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
65	VI	2	Evangelistas	Chile	52° 24' S	75° 06' W	55 m	Redford and Eisenberg, 1992	Miller, 1976
66	VI	3	Belgrado	Serbia	44° 48' N	20° 28' E	132 m	Mitchell-Jones <i>et al.</i> , 1999	Meteorological Office, 1972
67	VI	3	Blagoveschensk	Russia	50° 15' N	106° 30' E	142 m	Corbet, 1978	Meteorological Office, 1966
68	VI	3	Moscow	Russia	55° 45' N	37° 34' E	156 m	Mitchell-Jones <i>et al.</i> , 1999	Meteorological Office, 1972
69	VI	3	Tsingtao	China	36° 04' N	120° 19' E	77 m	Corbet, 1978	Watts, 1969
70	VI	3	Vlissingen	Netherlands	51° 27' N	3° 36' E	12 m	Corbet, 1978	Arléry, 1970
71	VII	1	Medicine Lake	USA	48° 29' N	104° 27' W	595 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
72	VII	1	Rapid City	USA	44° 01' N	103° 03' W	965 m	Hall, 1981	Court, 1974
73	VII	1	Santa Fé	USA	35° 40' N	105° 55' W	2195 m	Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
74	VII	1	Winnemucca	USA	40° 54' N	117° 48' W	1434 m	Hall, 1981	Meteorological Office, 1980

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								Fauna	Climate
75	VII	2	Maquinchao	Argentina	41° 15' S	68° 43' W	888 m	Redford and Eisenberg, 1992	Canty <i>et al.</i> , 2008
76	VII	2	Puerto Sta Cruz	Argentina	50° 01' S	68° 32' W	12 m	Redford and Eisenberg, 1992	Prohaska, 1976
77	VII	3	Almaty	Kazakhstan	43° 16' N	76° 53' E	775 m	Corbet, 1978	Meteorological Office, 1966
78	VII	3	Fort Shevchenko	Kazakhstan	44° 33' N	50° 17' E	23m m	Corbet, 1978	Lydolph, 1977
79	VII	3	Paotou	China	40° 34' N	109° 50' E	1044 m	Corbet, 1978	Watts, 1969
80	VII	3	Urumqi	China	43° 47' N	87° 37' E	912 m	Corbet, 1978	Watts, 1969
81	VIII	1	Edmonton	Canada	53° 34' N	113° 31' W	676 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
82	VIII	1	Fairbanks	USA	64° 49' N	147° 52' W	133 m	Hall, 1981	Hare and Hay, 1974
83	VIII	1	Fort Smith	Canada	60° 01' N	11° 58' W	62 m	Hall, 1981	Hare and Hay, 1974
84	VIII	1	Gaspé	Canada	48° 50' N	64° 29' W	28 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
85	VIII	1	Smooky falls	Canada	46° 27' N	79° 55' W	227 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
86	VIII	3	Erbogachen	Russia	61° 16' N	108°01' E	287 m	Corbet, 1978	Lydolph, 1977
87	VIII	3	Kajaani	Finland	64° 17' N	27° 41' E	134 m	Corbet, 1978	Werner, 1970
88	VIII	3	Nikolayevsk-on-Amur	Russia	53° 08' N	140° 45' E	21 m	Corbet, 1978	Meteorological Office, 1966
89	VIII	3	Petropavlovsk	Russia	52° 53' N	158° 42' E	87 m	Corbet, 1978	Meteorological Office, 1966
90	VIII	3	Serov	Russia	59° 36' N	60° 32' E	132 m	Corbet, 1978	Lydolph, 1977
91	IX	1	Baker Lake	Canada	64° 18' N	96° 00' W	9 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
92	IX	1	Barrow	USA	71° 18' N	156° 47' W	7 m	Hall, 1981	Hare and Hay, 1974
93	IX	1	Cape Hope Advances	Canada	61° 05' N	69° 33' W	73 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980

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								Fauna	Climate
94	IX	1	Coopermine	Canada	67° 49' N	115° 05' W	9 m	Hall, 1981; Smithsonian National Museum of Natural History, 2006	Meteorological Office, 1980
95	IX	1	Port Harrison	Canada	58° 27' N	78° 08' W	6 m	Hall, 1981	Hare and Hay, 1974
96	IX	3	Bulun	Russia	70° 45' N	127° 47' E	35 m	Corbet, 1978	Meteorological Office, 1966
97	IX	3	Malye-Karmakuly	Russia	72° 23' N	55° 44' E	16 m	Corbet, 1978	Lydolph, 1977
98	IX	3	Mys Chelyuskin	Russia	77° 43' N	104° 17' E	6 m	Corbet, 1978	Lydolph, 1977
99	IX	3	Mys Scmidta	Russia	68° 55' N	179° 17' E	6 m	Corbet, 1978	Lydolph, 1977
100	IX	3	Nizhne-Kolymsk	Russia	68° 32' N	160° 59' E	5 m	Corbet, 1978	Meteorological Office, 1966

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Supplementary data II. Faunal lists for the six fossil site included in the analysis.
 Listado faunístico para los seis yacimientos incluidos en el análisis

DEPOSITIONAL UNIT LOCAL ZONE FOSSIL SITE	MIDDLE UNIT				LOWER UNIT		BODY WEIGHT (LN)
	D		E		F	G	
	EI	PA	AOPV	S	P5	P3	
<i>Euprox furcatus</i>						X	10,62
<i>Heteroprox larteti</i>						X	10,60
<i>H. moralesi</i>			X	X	X		10,96
<i>Procervulus dichotomus</i>		X					10,82
<i>Micromeryx flourensianus</i>			X		X	X	8,48
<i>M. sp. cf. M. flourensianus</i>				X			8,48
<i>Palaeomeryx magnus</i>			X		X	X	12,38
<i>Triceromeryx pachecoi</i>	X	X					11,92
<i>Dorcatherium crassum</i>		X					10,09
<i>Tethytragus sp.</i>	X	X	X	X	X		10,53
<i>T. langai</i>						X	10,53
<i>Conohyus simorrensis</i>			X	X			11,70
<i>Bunolistriodon lockharti</i>	X	X	X				11,73
<i>Listriodon splendens</i>					X	X	11,87
<i>Alicornops simorrensis</i>						X	14,64
<i>Cainotherium miocaenicum</i>	X	X					7,15
<i>Hispanotherium matritensis</i>	X	X					14,09
<i>Hoploaceratherium tetradactylum</i>			X		X		14,11
<i>Lartetotherium sansaniense</i>						X	13,85
<i>Prosantorhinus douvillei</i>				X			14,26
<i>Rhinocerotidae indet</i>			X				14,07
<i>Anchitherium sp.</i>						X	11,41
<i>A. alberdidae</i>		X					11,35
<i>A. cursor</i>			X	X			11,12
<i>A. matritensis</i>	X		X				11,42
<i>A. procerum</i>					X		11,79
<i>Chalicotherium grande</i>						X	12,76
<i>Gomphotherium angustidens</i>			X	X	X	X	14,64
<i>Amphechinus sp.</i>				X			6,92
<i>A. cf. intermedius</i>					X		6,92
<i>Crocidosoricinae indet</i>					X		2,30
<i>Soricidae indet</i>	X		X	X			2,20
<i>Galerix sp.</i>			X		X	X	4,45
<i>G. exilis</i>				X			4,04
<i>Lagopsis verus</i>					X	X	5,86
<i>L. penai</i>	X	X	X	X			5,70
<i>Prolagus sp.</i>				X	X		4,50
<i>Democricetodon sp.</i>	X	X		X			3,71
<i>D. larteti</i>			X	X		X	3,71
<i>Megacricetodon collongensis</i>	X	X	X				2,40
<i>Megacricetodon crusafonti</i>						X	3,04
<i>Megacricetodon gersii</i>					X		2,83
<i>Megacricetodon rafaelli</i>					X		2,48
<i>Megacricetodon sp. cf. M. collongensis</i>				X			2,40
<i>Cricetodon soriae</i>				X			4,86
<i>Microdyromys monspeliensis</i>				X			3,09
<i>Microdyromys koenigswaldi</i>		X		X	X	X	3,09
<i>Microdyromys sp.</i>	X						2,20
<i>Simplomys simplicidens</i>	X	X	X				3,48
<i>Armantomys aragonensis</i>	X	X	X				4,39
<i>Armantomys jasperi</i>		X					3,50
<i>Armantomys tricristatus</i>				X	X	X	4,65
<i>Heteroxerus grivensis</i>			X	X		X	4,98
<i>Heteroxerus rubricati</i>	X	X			X	X	4,39
<i>Atlantoxerus blacki</i>	X	X					5,72

Supplementary data IIIa. Eigenvalues and correlation tables between the body size spectra categories and the discriminant functions obtained for global and biogeographic realms analyses

Global Discriminant Analysis

Eigenvalues				
Function	Eigenvalue	% of Variance	Cumulative %	Canonical Correlation
1	2,361	66,2	66,2	0,838
2	0,606	17	83,2	0,614
3	0,303	8,5	91,7	0,483
4	0,181	5,1	96,7	0,392
5	0,076	2,1	98,9	0,266
6	0,038	1,1	99,9	0,191
7	0,002	0,1	100	0,05

	Standardized Canonical Coefficients						
	Function						
	1	2	3	4	5	6	7
CAT. A	1,685	0,581	1,883	0,762	0,627	1,663	2,578
CAT. B	0,680	0,631	0,928	0,807	0,191	1,925	1,750
CAT. C	0,691	-0,076	1,105	0,611	1,140	1,341	2,008
CAT. D	0,151	0,042	1,341	0,305	-0,190	0,966	1,753
CAT. E	1,105	-0,375	0,467	-0,001	-0,024	1,290	1,133
CAT. F	0,552	0,445	0,095	-0,593	0,489	0,605	1,099
CAT. G	0,671	-0,096	-0,199	0,753	-0,053	0,283	1,111

Afrotropic Discriminant Analysis

Eigenvalues				
Function	Eigenvalue	% of Variance	Cumulative %	Canonical Correlation
1	10,478	73,3	73,3	0,955
2	3,325	23,3	96,6	0,877
3	0,492	3,4	100	0,574

	Standardized Canonical Coefficients		
	Function		
	1	2	3
CAT. A	2,362	1,176	0,103
CAT. B	4,008	3,579	1,036
CAT. C	1,838	0,724	0,961
CAT. D	4,442	2,681	0,921
CAT. E	0,596	-0,090	0,835
CAT. F	-0,369	1,558	0,275

Supplementary data IIIa. Eigenvalues and correlation tables between the body size spectra categories and the discriminant functions obtained for global and biogeographic realms analyses

Indomalaysian Discriminant Analysis

Eigenvalues				
Function	Eigenvalue	% of Variance	Cumulative %	Canonical Correlation
1	442,601	100	100	0,999

Standardized Canonical Coefficients	
	Function
	1
CAT. A	23,081
CAT. B	18,246
CAT. C	-9,156

Paleotropic Discriminant Analysis

Eigenvalues				
Function	Eigenvalue	% of Variance	Cumulative %	Canonical Correlation
1	1,821	58,6	58,6	0,803
2	0,856	27,6	86,2	0,679
3	0,429	13,8	100	0,548

Standardized Canonical Coefficients			
	Function		
	1	2	3
CAT. A	1,259	2,377	0,629
CAT. B	0,082	2,434	-0,132
CAT. C	0,208	2,479	0,978
CAT. D	0,611	2,195	0,197
CAT. E	-0,580	1,245	0,663
CAT. F	0,337	0,449	1,557
CAT. G	-0,792	-0,099	-0,689

Supplementary data IIIb. Eigenvalues and correlation tables between the cenogram variables and the discriminant functions obtained for global and biogeographic realms analyses

Global Discriminant Analysis

Eigenvalues				
Function	Eigenvalue	% of Variance	Cumulative %	Canonical Correlation
1	4,495	63,1	63,1	0,904
2	1,33	18,7	81,7	0,756
3	0,619	8,7	90,4	0,618
4	0,325	4,6	95	0,495
5	0,203	2,8	97,8	0,41
6	0,079	1,1	98,9	0,27
7	0,037	0,5	99,4	0,188
8	0,03	0,4	99,9	0,172
9	0,01	0,1	100	0,099

Standardized Canonical Coefficients									
	Function								
	1	2	3	4	5	6	7	8	9
W1	0,511	-0,449	-0,227	0,523	0,559	0,253	0,223	0,100	-0,256
W2	-0,018	-0,972	0,608	-0,196	-1,178	-0,031	0,486	0,051	-0,662
W5	-0,015	0,296	0,014	0,271	0,303	0,250	0,447	0,188	0,137
P1	0,015	0,053	0,173	0,033	0,075	-0,372	-0,038	0,447	-0,074
P5	1,455	1,017	0,011	0,069	-0,444	0,206	1,083	0,109	0,699
P5-P1	-1,099	-0,678	-0,219	-0,222	0,325	0,077	-0,308	0,422	-0,162
G	-0,966	0,112	-0,551	-0,422	1,232	-0,170	0,262	0,727	0,312
mG	-0,677	0,265	0,741	-0,233	0,291	-0,957	1,357	0,690	-0,287
MG	0,835	0,133	-0,262	0,950	-1,150	1,311	-0,554	-0,581	0,680
WG	0,241	0,991	0,060	-0,493	0,499	0,338	-0,078	-0,435	-0,129
WmG	0,298	-0,450	0,779	-0,073	0,419	0,129	-0,130	-0,069	0,399
WMG	-0,146	0,367	-0,190	0,242	-0,166	0,552	-0,285	0,690	-0,442

Afrotropic Discriminant Analysis

Eigenvalues				
Function	Eigenvalue	% of Variance	Cumulative %	Canonical Correlation
1	204,547	85,5	85,5	0,998
2	27,908	11,7	97,2	0,983
3	6,716	2,8	100	0,933

Standardized Canonical Coefficients			
	Function		
	1	2	3
W1	1,530	-1,417	0,031
W2	21,974	1,133	-2,185
W5	-4,590	-4,904	0,304
P1	-14,198	-12,018	3,507
P5	1,222	16,715	-0,839
G	7,554	5,647	1,239
mG	-0,874	6,409	4,639
MG	4,357	-6,061	-4,735

Supplementary data IIIb. Eigenvalues and correlation tables between the cenogram variables and the discriminant functions obtained for global and biogeographic realms analyses

Indomalaysian Discriminant Analysis

Eigenvalues				
Function	Eigenvalue	% of Variance	Cumulative %	Canonical Correlation
1	0,573	100	100	0,604

Standardized Canonical Coefficients	
	Function
	1
W1	0,415
W2	0,678
W5	-0,764

Paleotropic Discriminant Analysis

Eigenvalues				
Function	Eigenvalue	% of Variance	Cumulative %	Canonical Correlation
1	13,813	68	68	0,966
2	4,24	20,9	88,9	0,9
3	2,263	11,1	100	0,833

Standardized Canonical Coefficients			
	Function		
	1	2	3
W1	3,739	1,888	1,593
W2	-1,168	-0,085	1,490
W5	2,736	3,552	0,888
P1	-1,518	3,482	-1,557
P5	1,595	-6,404	-0,453
G	1,574	0,935	1,841
mG	4,510	-0,172	1,040
MG	-5,352	0,182	-2,508
WG	2,551	3,769	0,509
WmG	2,910	1,341	0,619
WMG	-1,062	0,658	-0,310