ORIGINAL ARTICLE

Patterns of species richness, endemism and environmental gradients of African reptiles

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ABSTRACT

Aim To map and assess the richness patterns of reptiles (and included groups: amphisbaenians, crocodiles, lizards, snakes and turtles) in Africa, quantify the overlap in species richness of reptiles (and included groups) with the other terrestrial vertebrate classes, investigate the environmental correlates underlying these patterns, and evaluate the role of range size on richness patterns.

Location Africa.

Methods We assembled a data set of distributions of all African reptile species. We tested the spatial congruence of reptile richness with that of amphibians, birds and mammals. We further tested the relative importance of temperature, precipitation, elevation range and net primary productivity for species richness over two spatial scales (ecoregions and 1° grids). We arranged reptile and vertebrate groups into range-size quartiles in order to evaluate the role of range size in producing richness patterns.

Results Reptile, amphibian, bird and mammal richness are largely congruent (r = 0.79–0.86) and respond similarly to environmental variables (mainly productivity and precipitation). Ecoregion size accounts for more variation in the richness of reptiles than in that of other groups. Lizard distributions are distinct with several areas of high species richness where other vertebrate groups (including snakes) are species-poor, especially in arid ecoregions. Habitat heterogeneity is the best predictor of narrow-ranging species, but remains relatively important in explaining lizard richness even for species with large range sizes.

Main conclusions Reptile richness varies with similar environmental variables as the other vertebrates in Africa, reflecting the disproportionate influence of snakes on reptile richness, a result of their large ranges. Richness gradients of narrow-ranged vertebrates differ from those of widespread taxa, which may demonstrate different centres of endemism for reptile subclades in Africa. Lizard richness varies mostly with habitat heterogeneity independent of range size, which suggests that the difference in response of lizards is due to their ecological characteristics. These results, over two spatial scales and multiple range-size quartiles, allow us to reliably interpret the influence of environmental variables on patterns of reptile richness and congruency.

Keywords

climatic variables, cross-taxon congruence, ecoregions, endemism, lizards, range-size quartiles, reptiles, snakes, species richness

INTRODUCTION

Patterns of species richness have been described across many taxa and over multiple scales (e.g. Currie, 1991; Hawkins *et al.*, 2003; Field *et al.*, 2009; Belmaker & Jetz, 2011). Richness gradients have generally been attributed to environmental constraints such as temperature (ambient energy), water availability (Currie, 1991), habitat heterogeneity (Kerr & Packer, 1997; Hortal *et al.*, 2013), and productive energy (Evans *et al.*, 2005). The distributions of amphibians, mammals and birds are now mapped to the species level, and their richness patterns are widely studied (e.g. Grenyer *et al.*, 2006), whereas reptile distributions are largely unmapped, and remain the least studied among terrestrial vertebrates (McCain, 2010). Of studies which have examined patterns of reptile species richness gradients, few have distinguished between the distinct reptile lineages – amphisbaenians, crocodiles, lizards, snakes and turtles (e.g. Currie, 1991; Qian *et al.*, 2007; Powney *et al.*, 2010). A biogeographical bias is also evident – reptile richness has been studied in North America, Europe, Australia and China (Currie, 1991; Rodriguez *et al.*, 2005; Qian *et al.*, 2007; Powney *et al.*, 2010), but few studies have investigated their diversity elsewhere, especially in Africa (Deikumah *et al.*, 2014; Meiri, 2016). Examining the environmental effects on species richness on a per region basis is important, as non-stationarity has been shown across multiple geographical regions (Schall & Pianka, 1978; Davies *et al.*, 2007; Powney *et al.*, 2010; Buschke *et al.*, 2015).

Reptiles will soon emerge as the richest class of terrestrial vertebrates at current levels of species description (Pincheiro-Dinoso *et al.*, 2013; Meiri & Chapple, 2016). Understanding reptile richness is particularly important, as they are ecologically distinct from other terrestrial vertebrate taxa. As ectothermic amniotes, their species richness patterns are thought to be mostly associated with measures of ambient energy, in contrast to endotherms and amphibians, which are more reliant on water and productivity (Hawkins *et al.*, 2003; Rodriguez *et al.*, 2005; Qian *et al.*, 2007).

Distinct reptile groups are likely to respond differently to environmental variables. For example, snake species richness gradients suggest that they are closely related to both energy and water availability (Hawkins *et al.*, 2003; Terribile *et al.*, 2009). Turtle species richness is usually found to increase with both temperature and precipitation (Schall & Pianka, 1978; Iverson, 1992). However, while just over half of the turtle species (and all crocodile species) in Africa are aquatic (Trape *et al.*, 2012), a significant number of turtle species are also adapted to semi-arid regions. Similarly, lizards are known to inhabit diverse ecoregions ranging from desert to tropical (e.g. in Australia; Powney *et al.*, 2010). Previous studies of lizard species richness gradients suggest that they are most closely related to temperature (Hawkins *et al.*, 2003; Rodriguez *et al.*, 2005; McCain, 2010). This is because lizards are ectothermic amniotes, requiring heat for metabolic activities, but are able to do with very little water (Schall & Pianka, 1978). Amphisbaenians are a small (195 species, 74 of which inhabit Africa; Uetz, 2015) and poorly studied group. Because of their fossorial nature we predict their distributions to be less affected by climate.

Different environmental variables may constrain the species richness of vertebrate groups with different geographical ranges and dispersal ability. Heterogeneity measures often become more important relative to climatic variables in explaining narrow-ranged species richness (Szabo *et al.*, 2009; Belmaker & Jetz, 2011). Habitat complexity may provide more unique niches for habitat specialists, and complex habitats may inhibit movement of species with poor dispersal ability – but affect highly vagile species with wide physiological tolerance to a lesser extent.

We assembled a comprehensive geographical distribution map of all African reptile species in order to: (1) assess the species richness patterns of reptile (and included groups: amphisbaenians, crocodiles, lizards, snakes and turtles) distributions in Africa, (2) quantify the overlap in species richness of reptile (and included groups) with the other vertebrate classes, (3) investigate the environmental correlates underlying these patterns and (4) evaluate the role of range size on the species richness patterns of reptiles and vertebrate groups.

METHODS

We obtained data on the distribution of reptile species in mainland Africa from a variety of published sources, including field-guides and atlases (especially Bates *et al.*, 2014; Branch, 1998, 2014; Carranza *et al.*, 2008; Chippaux, 2006; Chirio & LeBreton, 2007; Gans, 1987; Largen & Spawls, 2010; Pauwels & Vande Weghe, 2008; Sindaco & Jeremcenko, 2008; Spawls *et al.*, 2002; Tilbury, 2010; Trape & Mane, 2006; Trape *et al.*, 2012), museum databases, the primary literature and IUCN assessments (see Appendix S1 in Supporting Information). Where published maps and data were unavailable, those of us with much experience in studying African reptiles in the field and in natural history collections (DGB, AMB, LC, ML, DM, ZTN and JFT) drew expert-ranges based on collection localities, their own observations and intimate knowledge of habitats in the region, and on specimens from known localities. The distributions of 71 amphisbaenian, four crocodile, 928 lizard (suborder Sauria), 551 snake (suborder Serpentes) and 47 turtle (order Testudines) species inhabiting Africa (Uetz, 2015) were digitized using ArcGIS 10.0. We obtained digital maps for the 1905 breeding bird species in the region from BirdLife International & NatureServe (2013), and digital maps for the 1113 mammal and 769 amphibian species inhabiting the region from the IUCN (2014). Marine taxa were omitted. Point locality data were converted to polygons buffered by a 1 km radius in order to calculate range size. Digitized maps were overlaid at two different spatial scales to determine species

richness: (1) WWF ecoregions (herein referred to as *ecoregion scale*), consisting of 107 regions in Africa (excluding the 'Lake' ecoregion; data from Olson *et al.*, 2001), and (2) An equal-area Behrmann projection grid at a resolution of ~1° (herein referred to as *1° scale*), comprising 3146 cells. Species richness (henceforth '*richness*') is the number of species present in each ecoregion they intersect. The advantage of using ecoregions is that they are ecologically distinct units that allow us to directly evaluate the influence of environmental measures without positively biasing habitats that cover large areas (e.g. the Sahara desert will be counted only once and not multiple times as in grid-based analyses) or wide-ranging species found in multiple grid cells, thus reducing pseudoreplication and spatial-autocorrelation (Jetz & Fine, 2012; Belmaker & Jetz, 2015; Buschke *et al.*, 2015). We retain the grid-based analyses to assess the scale-dependence of the results and to assure the results are not contingent on the spatial scale over which richness was estimated.

Environmental correlates of species richness

Richness was related to four variables to test climatic, ecological and energetic determinants explaining diversity gradients: (1) mean annual temperature (°C, 0.16° resolution; data from Hijmans *et al.*, 2005; BIO1 2014), representing ambient energy, (2) mean annual precipitation (mm, 0.16° resolution; from Hijmans *et al.*, 2005; BIO12 2014), representing water availability, (3) elevation range (m, 0.16° resolution; from Hijmans *et al.*, 2005), representing habitat heterogeneity, and (4) net primary productivity (NPP) (g C $year^{-1}$, 0.25° resolution; from Imhoff *et al.*, 2004), representing productive energy. We included ecoregion area as a predictor to account for the variation in size among ecoregions (ranging in Africa from ~16 km^2 to 4.7 million km^2). Areas were log-transformed, and mean precipitation and elevation range were square-root transformed to reduce heteroscedasticity and normalize model residuals. We standardized each predictor variable to provide comparable regression coefficients. All variables were tested for collinearity using variance inflation factors (VIF), and selected due to their presumed effect on richness gradients. We excluded additional variables that were collinear with other variables we examined (VIF scores > 5, see Craney & Surles, 2002; O'brien, 2007). These included: minimum elevation, seasonality in temperature, seasonality in precipitation, minimum temperature and maximum temperature (data from Hijmans *et al.*, 2005).

Range-size quartiles

In order to analyse the response of different range-sized groups to environmental correlates, we calculated the geographical range extent (km^2) of species using the best resolution maps. We divided the overall reptile class into four groups based on range size from first quartile (narrow-ranging species) to fourth quartile (wide-ranging species). We then assigned lizard, snake, amphibian, bird and mammal species to these range-size quartiles, so that equivalent quartiles contained only species with comparable range sizes (Table 1; Appendix S2).

Reptile species richness and environmental data within ecoregions are presented in Appendix S3. Reptile species' range size, quartile and number of ecoregions occupied are presented in Appendix S4.

Statistical analyses

Pearson's correlation was used to measure the degree of congruence between reptile groups and across vertebrate classes. We corrected the degrees of freedom to account for spatial autocorrelation using a modified *t*-test using the Clifford correction (Clifford *et al.*, 1989). To measure the correlations between overall reptile richness and that of each reptile subgroup we subtracted the number of species in the corresponding subgroup from the overall reptile numbers. We used hierarchical partitioning to assess the average contribution of each predictor to the variance in richness for each taxon, based on the independent contributions of each predictor (Murray & Conner, 2009). Total R^2-values for each model were calculated from fitting generalized linear models with Gaussian distributions. All statistical analyses were performed using R version 3.2.0 (R Development Core Team, 2014), and the packages 'hier.part' and 'SpatialPack'.

Table 1 Vertebrate range-size quartiles**.** Quartiles are based on reptile range sizes. Values are the number of species in each range-size quartile (in parentheses: the proportion of all species in that taxon).

Taxon	1st quartile Range area (km^2): 0–12,207	2nd quartile Range area (km^2): 12,208–102,968	3rd quartile Range area (km^2): 102,969–734,587	4th quartile Range area (km^2): 734,588–19,078,943	Median range size of taxon (km^2)
Reptiles	400 (25%)	400 (25%)	400 (25%)	401 (25%)	105,025
Amphisbaenians	32 (45%)	18 (25%)	16 (23%)	5 (7%)	18,993
Lizards	254 (27%)	295 (32%)	231 (25%)	148 (16%)	59,407
Snakes	113 (21%)	83 (15%)	138 (25%)	217 (39%)	387,884
Turtles	1 (2%)	5 (11%)	15 (32%)	26 (55%)	989,462
Amphibians	354 (46%)	118 (15%)	144 (19%)	153 (20%)	18,317
Birds	144 (7.5%)	186 (10%)	506 (27%)	1063 (55.5%)	1,037,354
Mammals	181 (16%)	170 (15%)	312 (28%)	447 (40%)	434,019

RESULTS

Patterns of species richness and cross-taxon congruence

Reptile richness at the ecoregion scale (Fig. 1) is largely congruent with amphibian, bird and mammal richness (r values between 0.79–0.86; Table 2). All groups show classic latitudinal gradients, but reptile hotspots extend further into arid ecoregions. Amphibians are distinct in being nearly absent from arid regions. Overall reptile richness is mostly influenced by snake richness, which is the most congruent of the reptile groups to the other classes (r values between 0.85–0.89). Turtle richness is also congruent with the other classes (r values between 0.80–0.83). In contrast, amphisbaenian and lizard richness are considerably less congruent with all other groups (r values between 0.35–0.56; Fig. 1).

Patterns of cross-taxon congruence are consistent at the 1° scale (Table 3), with amphisbaenian and lizard richness having non-significant relationships after correcting the numbers of degrees of freedom.

The disparity between the richness of reptiles and other classes is mostly attributed to the influence of lizard distribution, which is qualitatively very different from the other reptile and non-reptile groups. Lizard richness hotspots are widely dispersed and distinct. Ecoregions with high diversity of lizards include arid regions such as the Namibian savanna woodlands, Nama Karoo, North Saharan steppe, Mediterranean woodlands and forests, as well as the mountainous ecoregion of the Drakensberg (Fig. 1; see Appendix S5 for list of richest ecoregions per taxon). The richness of other reptile groups and of the other classes is relatively low in these ecoregions. Amphisbaenian richness is centred in the woodland ecoregions of southern and central Africa (as well as the Guinean forest-savanna mosaic), and is the most restricted of all groups, markedly absent from desert areas. Turtle richness resembles snake richness, but turtles do not range as far into arid ecoregions (see Appendix S6 for an ecoregion map of crocodile richness with $n = 4$ species).

Patterns of reptile species richness are consistent at the 1° scale (Fig. 2). Overall reptile richness patterns most strongly resemble snake richness. Lizard richness hotspots are more distinct and disparate at this resolution, such as in areas of West Africa, the Sahara and North Africa. Amphisbaenian and turtle richness patterns are most restricted and significantly absent from arid regions.

Environmental correlates of species richness

We used hierarchical partitioning to assess the average independent contribution of each predictor to the variance in richness (Fig. 3). The total amount of explained variation is

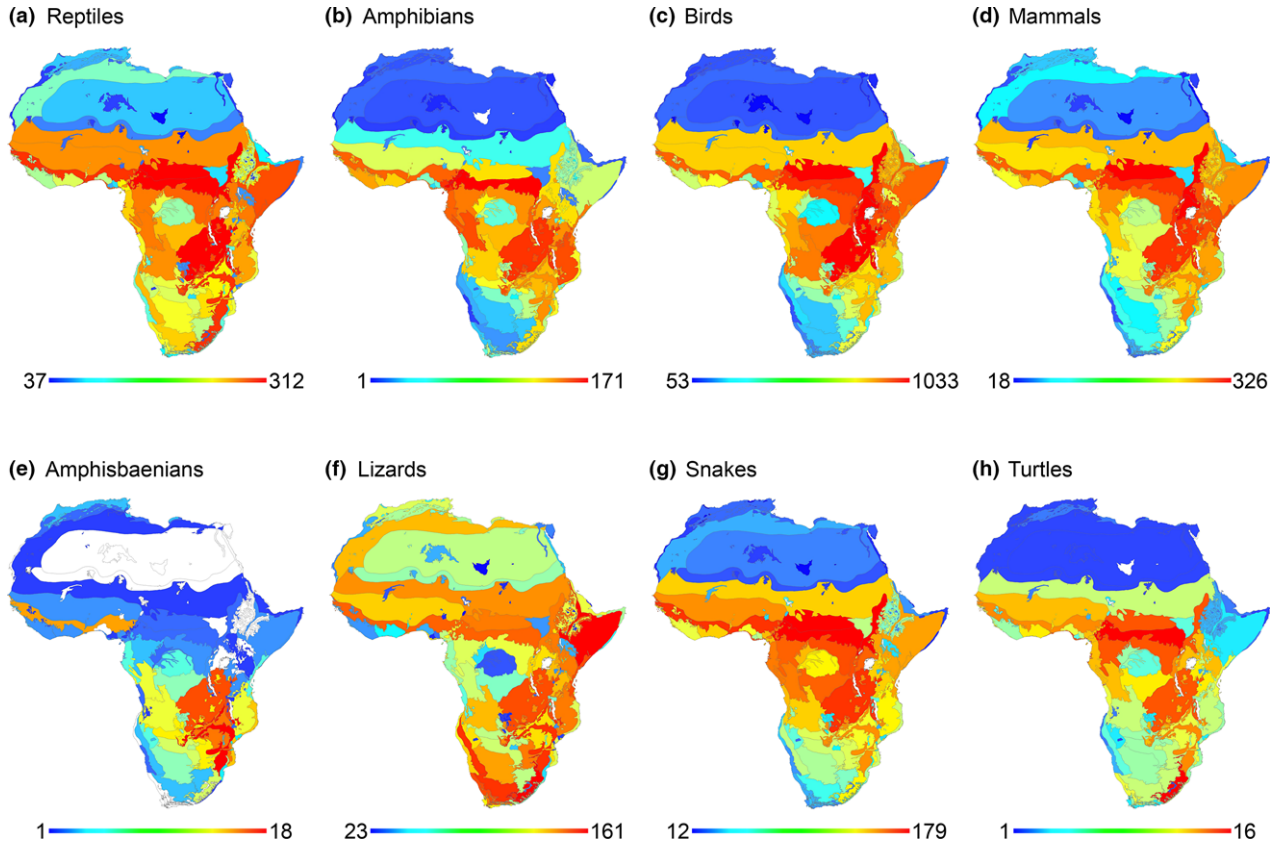

Figure 1 Species richness of vertebrate classes (a–d) and reptile groups (e–h) within African ecoregions. Colour codes correspond to species numbers in ecoregion from low (blue) to high (red). White denotes no species.

Table 2 Ecoregion cross-taxon congruence of vertebrate species richness (Pearson's correlation). *P*-values are < 0.001 for all correlations, number of ecoregions is 107, (*r*-value above the diagonal, numbers of degrees of freedom corrected for spatial-autocorrelation below the diagonal).

Taxon	Amphibians	Birds	Mammals	Reptiles	Amphisbaenians	Lizards	Snakes	Turtles
Amphibians	–	0.81	0.83	0.79	0.45	0.45	0.85	0.83
Birds	94.02	–	0.94	0.83	0.35	0.52	0.88	0.82
Mammals	91.91	92.43	–	0.86	0.39	0.56	0.89	0.80
Reptiles	95.95	95.41	94.62	–	−0.49	−0.53	0.62	−0.87
Amphisbaenians	93.92	99.17	94.57	102.57	–	0.41	0.44	0.47
Lizards	98.91	97.48	96.14	98.34	101.37	–	0.51	0.56
Snakes	94.80	94.17	93.65	98.04	99.85	98.45	–	0.90
Turtles	99.44	97.84	97.72	97.56	106.12	100.19	97.55	–

Table 3 Behrmann grid (1° scale) cross-taxon congruence of vertebrate species richness (Pearson's correlation). Number of grid cells is 3108, (*r*-value above the diagonal, *P*-value in parentheses, numbers of degrees of freedom corrected for spatial-autocorrelation below the diagonal).

Taxon	Amphibians	Birds	Mammals	Reptiles	Amphisbaenians	Lizards	Snakes	Turtles
Amphibians	–	0.84 (0.002)	0.87 (< 0.001)	0.85 (< 0.001)	0.31 (0.287)	0.35 (0.049)	0.84 (< 0.001)	0.79 (0.001)
Birds	8.48	–	0.95 (< 0.001)	0.83 (0.001)	0.32 (0.328)	0.38 (0.072)	0.80 (0.003)	0.85 (0.001)
Mammals	8.76	6.91	–	0.87 (< 0.001)	0.28 (0.380)	0.36 (0.071)	0.85 (0.001)	0.83 (0.001)
Reptiles	10.76	8.68	9.75	–	0.28 (0.318)	0.27 (0.120)	0.51 (0.013)	0.83 (< 0.001)
Amphisbaenians	11.94	9.17	9.00	12.63	–	0.31 (0.097)	0.21 (0.459)	0.27 (0.337)
Lizards	29.71	21.08	23.91	32.50	28.73	–	0.25 (0.134)	0.34 (0.070)
Snakes	10.23	8.94	8.78	20.71	12.29	35.43	–	0.81 (< 0.001)
Turtles	10.99	8.63	9.12	11.32	12.31	26.75	11.16	–

considerably lower for amphisbaenian and lizard richness (R^2 values = 0.28 and 0.46 respectively), compared to the other reptile and vertebrate groups (R^2 values between 0.63–0.75).

Net primary productivity and precipitation explain most of the variation in richness of amphibians, mammals and birds, as well as that of snakes and turtles – but are unrelated to lizard richness. In lizards, richness is most strongly correlated with ecoregion area and elevation range, and amphisbaenian richness is most strongly correlated with area and NPP. Reptile groups (especially lizards) are unique in that ecoregion area accounts for a substantial proportion of variation in their richness. Temperature explains relatively little of the variation in the richness of all groups, including lizards, and of reptile richness in general.

Environmental correlates of species richness are consistent at the 1° scale (Appendix S7). Net primary productivity and precipitation explain most of the variation in richness of all groups except lizards, in which richness is most strongly correlated with elevation range.

Effects of range size

Elevation range is the most important variable explaining the richness variation of narrow-ranging lizards, snakes and reptiles in general (Fig. 4). The effect of elevation on richness is reduced for wide-ranging species, but remains relatively important in explaining lizard richness even at larger range sizes. Similarly, elevation range is the most significant predictor of richness variation in narrow-ranging amphibian, bird and mammal species (Fig. 5), but is reduced for wide-ranging species, and replaced by NPP and precipitation, which have no effect on the richness of even the large-ranged lizards.

DISCUSSION

We present the first comprehensive reptile richness maps for all of Africa. Overall reptile richness is largely congruent with that of other vertebrates. Different reptile groups and range-sized quartile groups, however, have different patterns of richness. In particular, patterns of lizard richness emerge as distinct from the other reptile and vertebrate groups by responding differently to richness predictors, which may in-turn influence their patterns of congruency.

Net primary productivity is the strongest predictor of species richness in all classes and the clear latitudinal pattern seen in our richness maps (Figs 1 & 2) reflects a strong correlation with NPP as one moves closer to the equator (Gillman *et al.*, 2015). We find a stronger effect of NPP at the spatially finer 1° scale (Appendix S7) showing that constraints on richness by energy availability are more likely to operate over finer scales (Belmaker & Jetz, 2015). Only lizards have richness hotspots in arid ecoregions, as we predicted, and similar to findings elsewhere (Schall & Pianka,

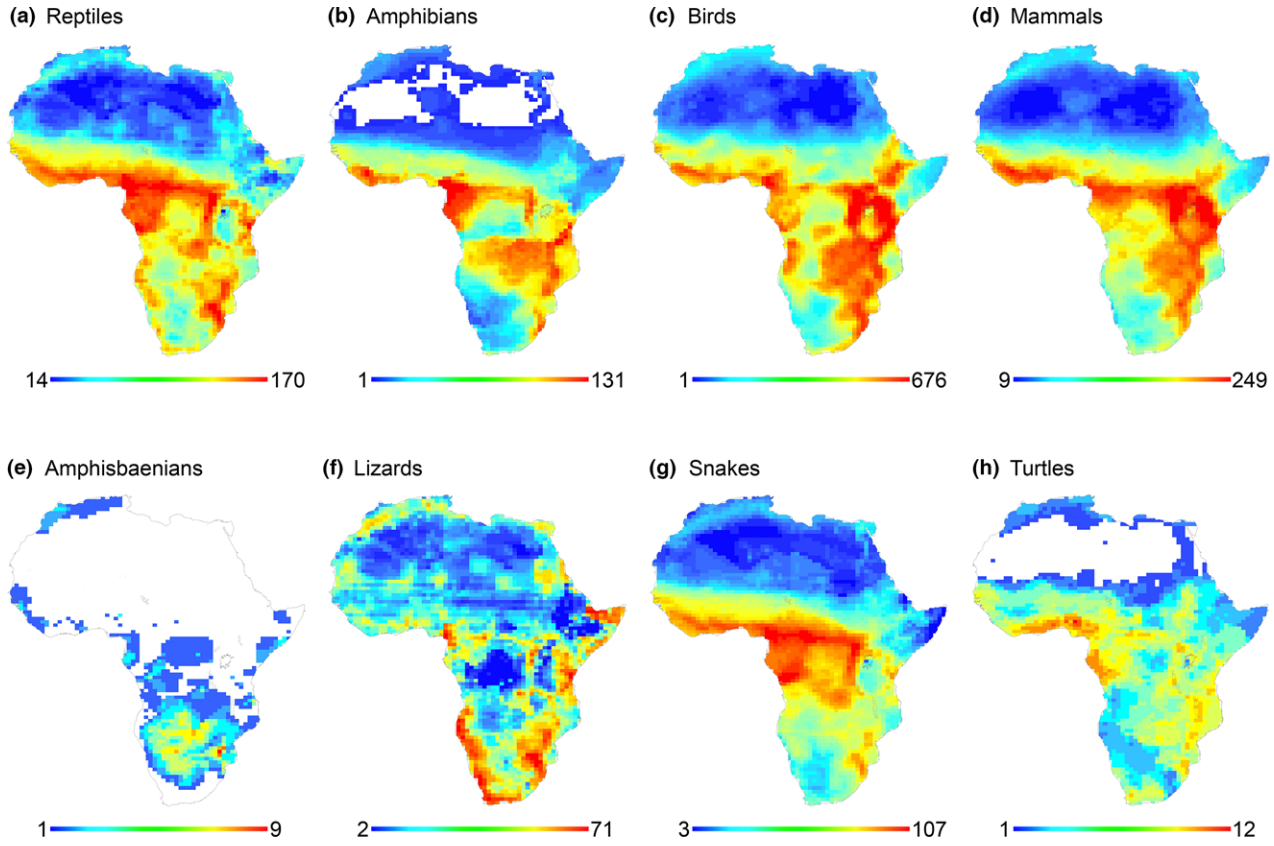

Figure 2 Behrmann grid (1° scale) species richness of vertebrate classes (a–d) and reptile groups (e–h) in Africa. Colour codes correspond to species numbers in grid cells from low (blue) to high (red). White denotes no species.

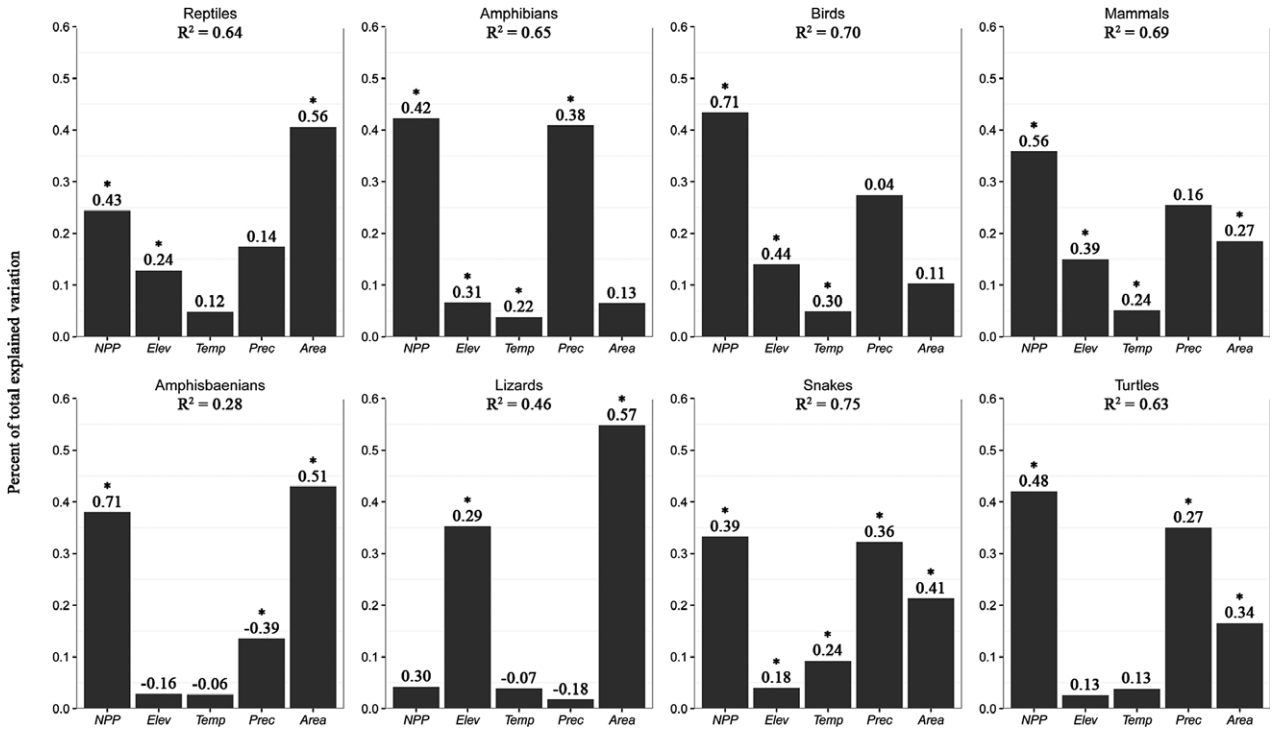

Figure 3 Relative importance of species richness predictors (N = 107 ecoregions). Numbers above bins are regression coefficients as single predictors, *Significant P-values for variable as single predictor.

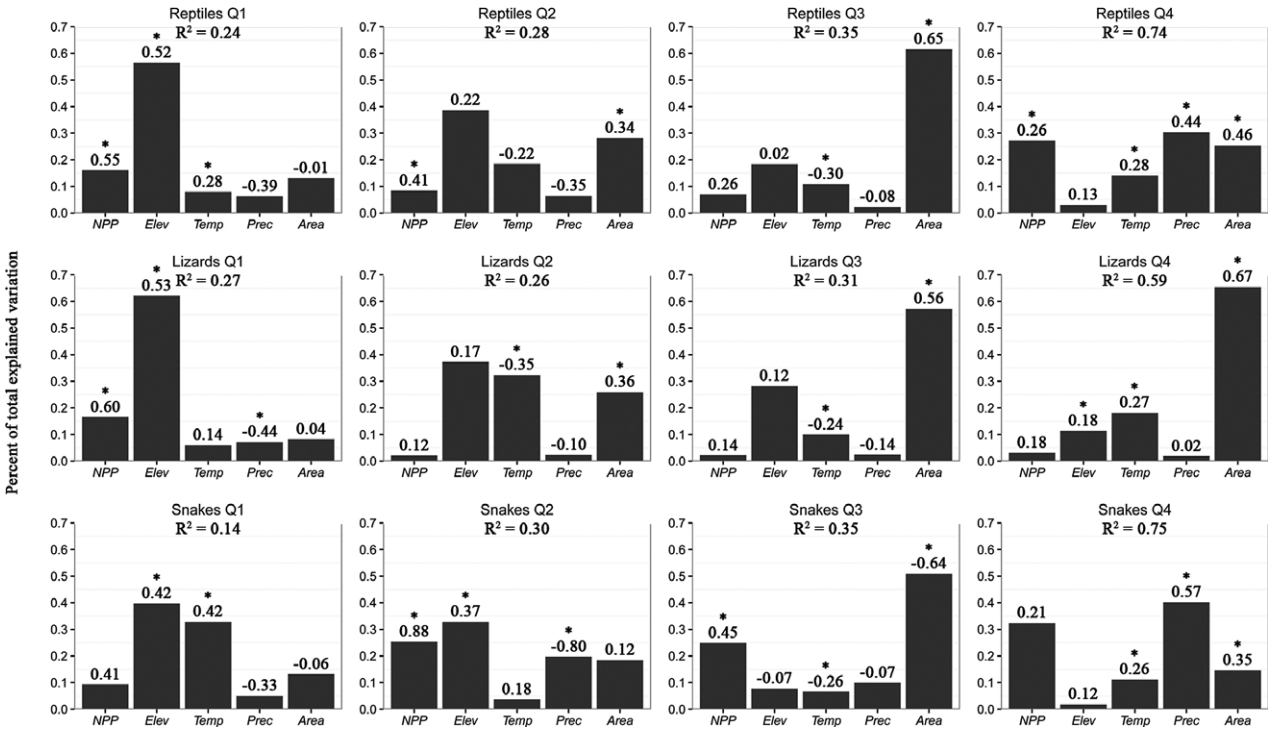

Figure 4 Relative importance of species richness predictors (N = 107 ecoregions) of narrow- and wide-ranging reptile groups. Q1–4 = quartiles 1 (narrow) to 4 (wide), numbers above bins are regression coefficients as single predictors, *Significant P-values for variable as single predictor.

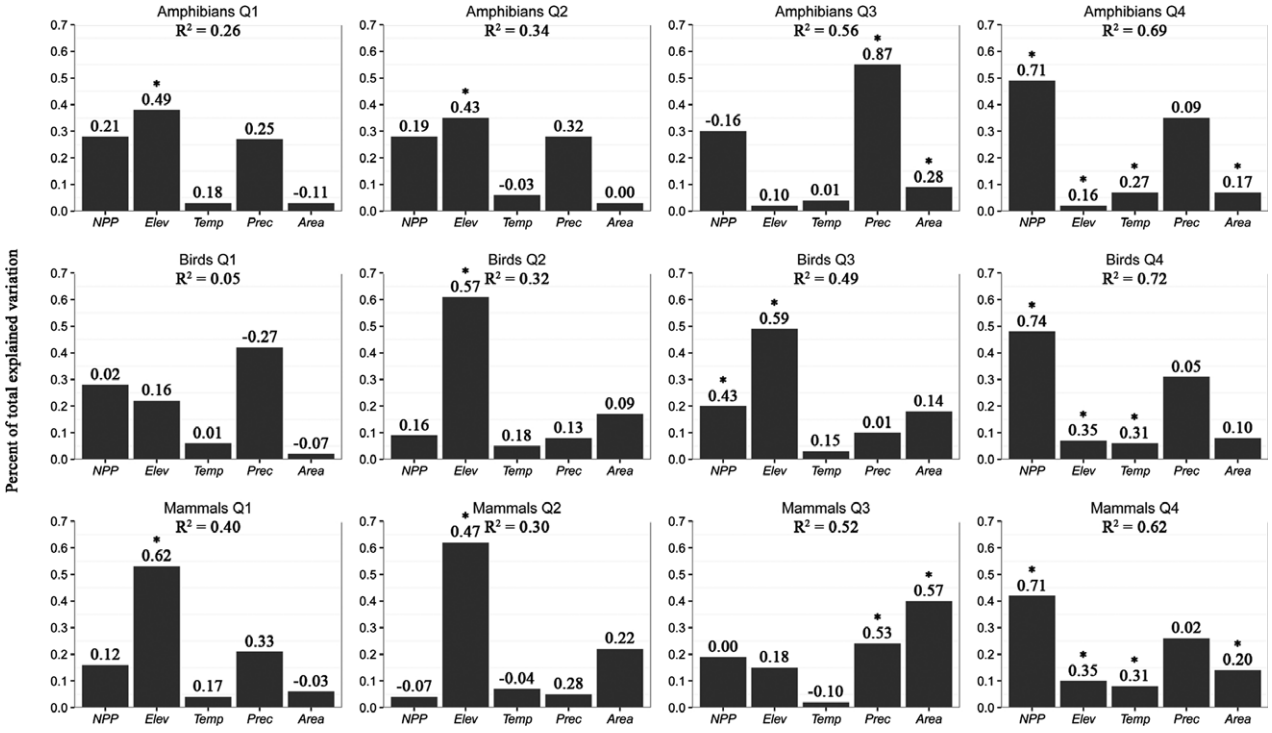

Figure 5 Relative importance of species richness predictors (N = 107 ecoregions) of narrow- and wide-ranging vertebrate classes. Q1–4 = quartiles 1 (narrow) to 4 (wide), numbers above bins are regression coefficients as single predictors, *Significant P-values for variable as single predictor.

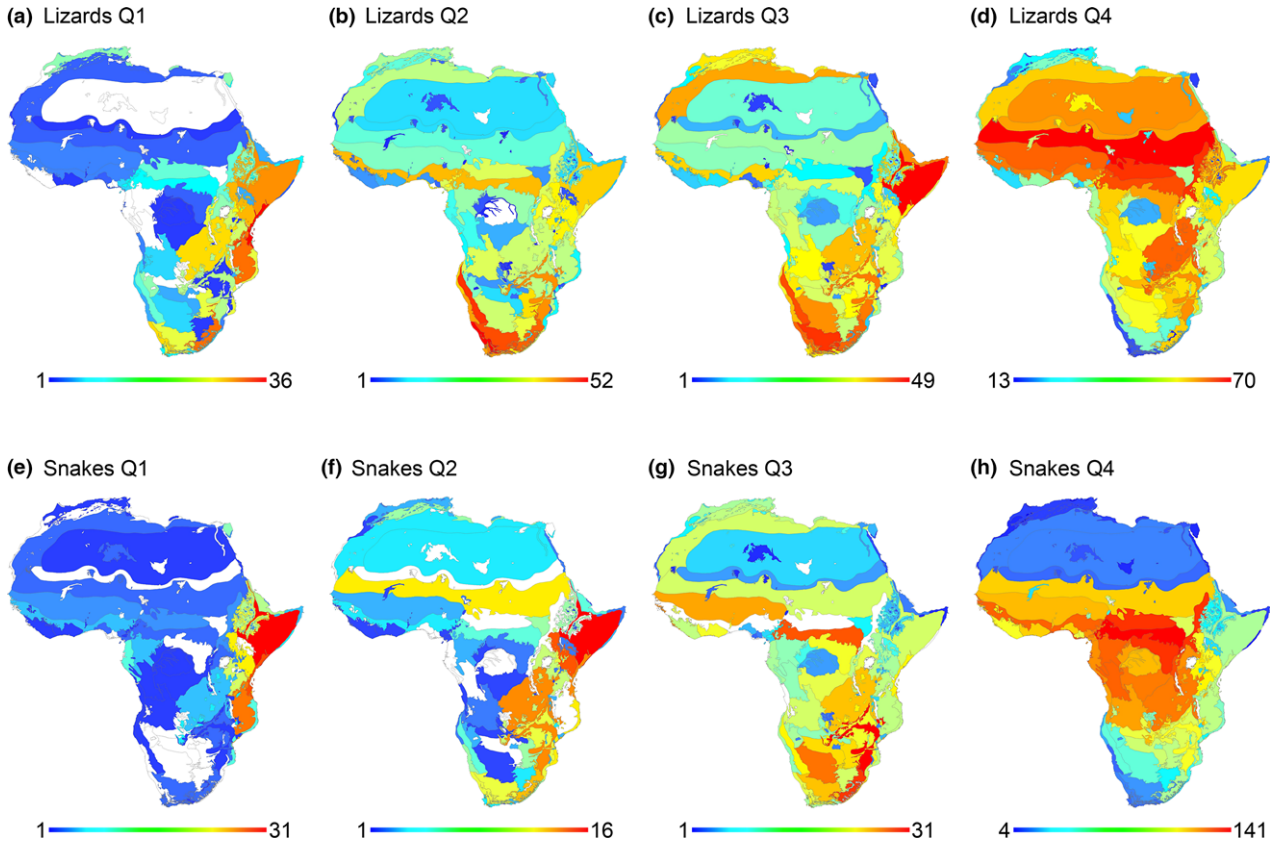

Figure 6 Species richness of narrow- and wide-ranging lizard and snake groups within African ecoregions. Q1–4 = quartiles 1 (narrow) to 4 (wide). Colour codes correspond to species numbers in ecoregion from low (blue) to high (red). White denotes no species.

1978; Powney *et al.*, 2010). Lizards are well adapted to the harsh conditions of the desert (Rabosky *et al.*, 2007), which is confirmed by the relatively low correlation of lizard species richness with NPP.

That variation in reptile richness is only weakly explained by temperature is surprising, as richness in reptiles, and especially in lizards, is thought to respond almost exclusively to ambient energy (Schall & Pianka, 1978; Hawkins *et al.*, 2003). In fact, temperature explains very little of the variation in richness of African vertebrate groups. This is consistent with previous studies that show either no relationship or a negative relationship with ambient energy at warm regions (Currie, 1991; Hawkins *et al.*, 2003). Kerr & Packer (1997) proposed that below 45° latitude, ambient energy no longer relates to mammal richness. This may be true also for reptile richness in Africa, a generally hot, equatorial continent. Studies that do show a positive relationship between reptile richness and ambient energy in North America (Currie, 1991), Europe (Rodriguez *et al.*, 2005), and China (Qian *et al.*, 2007) are all set in higher latitudes than Africa.

An exception is Australia, a high-energy zone in which lizard richness does correspond (albeit weakly) to temperature (Powney *et al.*, 2010). However, this may be an underlying consequence of the preponderance of large and homogeneous arid-zones in Australia. This homogeneity allows for species' ranges to overlap more (James & Shine, 2000).

Ecoregion size explains a substantial proportion of variation in richness of reptiles, especially lizards. Some of the arid ecoregions in which lizard richness is relatively high – the Sahara Desert, Sahelian *Acacia* savanna, and North Saharan steppe and woodlands, are the three largest ecoregions in Africa. Thus, lizards which are uniquely adapted to these arid regions, benefit additionally by the large size of these regions, in which speciation dynamics may be enhanced (Rabosky *et al.*, 2007; Kisel *et al.*, 2011).

There are distinct richness hotspots for different lizard families (Appendix S8): agamas, lacertids and geckoes are most prevalent in deserts (but note that agamas (n = 77) are richest in the Sahel, lacertids (n = 123) in the Sahara, and geckos (n = 269) in the Namib), and chameleons (n = 110) most widespread in tropical forests. Skinks (n = 233) are widespread and prevalent in large areas of Africa. This provides support for a possible mechanism explaining lizard species richness – different ecoregions act as centres of lizard diversification. This is corroborated by the weak spatial correlation at the ecoregion scale, as evident in the fact that numbers of degrees of freedom corrected for spatial-autocorrelation using the Clifford method are similar to the non-corrected numbers (Table 2; note that this is not the case at the 1° scale, Table 3). Snakes and turtles also display distinct high richness areas based on subclade (Appendices S9 & S10) further supporting the role of diversification and area in

shaping reptile richness patterns. Additionally, richness maps of lizards and snakes in different range-size quartiles (Fig. 6) demonstrate diverse richness peaks according to range size.

Similar to previous studies (see also Szabo *et al.*, 2009; Belmaker & Jetz, 2011), narrow-ranged species switch to a high relative importance of habitat heterogeneity, which is reduced for wide-ranging species and replaced by NPP. However, habitat complexity remains a relatively strong predictor of variation in lizard richness even at large range sizes, reflecting their ability to specialize in diverse ecoregions. This, coupled with the lack of relationship between lizard richness and NPP, implies that the difference in response of lizards and the other vertebrate groups to environmental variables is due to underlying differences in their ecological characteristics and physiology independent of their narrower average range size.

Differences in range size may reflect underlying ecological dissimilarities in dispersal ability and body size (Gaston & Blackburn, 1996; Lester *et al.*, 2007). The relatively large range sizes of snakes are perhaps related to their large body size and generally higher trophic level (Anderson, 1984). The strong correlation between snake and reptile richness (Tables 2 & 3; Figs 1 & 2) is a consequence of the formers' large ranges leading to higher snake range overlap on sampling units. This results in the disproportionate influence of snakes (and wide-ranging species) on patterns of reptile richness, and further emphasizes the value of analysing taxonomic groups separately in order to assess true patterns of richness.

We hypothesize that the weak relationship between the climatic variables and lizard richness results from lizard species' narrow and irregular distributions reflecting their ability to specialize in specific niches. The weak relationship between amphisbaenian richness and the climatic variables may be due to their very restrictive ecological requirements and limited overall distribution within Africa, as well as dispersal limitations imposed by their subterranean lifestyle. The higher amount of explained variation for wide-ranging species may be due in part to the underlying spatial-autocorrelation of their large ranges overlapping with the environmental gradients, and not necessarily because these are more important for wide-ranging species (Szabo *et al.*, 2009; Buschke *et al.*, 2015).

In conclusion, reptile species richness in Africa is largely congruent with the richness of amphibians, birds and mammals, perhaps as a result of similar responses to similar environmental variables. Richness gradients of narrow-ranged reptiles and vertebrate groups differ from those of widespread taxa, which may reflect evolutionary centres of diversification and endemism. Patterns of amphisbaenian and especially lizard species richness stand distinct from those of the other reptile groups. Lizards have several richness hotspots, particularly in arid ecoregions. Coupled with the small range size of most lizard species this may have considerable bearing on any attempts to employ large-scale conservation efforts based on surrogacy.

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SUPPORTING INFORMATION

Additional Supporting Information may be found in the online version of this article:

Appendix S1 Sources used to compile species distribution data: (a) African amphisbaenian species distribution data. (b) African crocodile species distribution data. (c) African lizard species distribution data. (d) African snake species distribution data. (e) African turtle species distribution data. (f) Reference list for the sources of distribution data of all reptile taxa.

Appendix S2 Histograms of range size of (a) reptile, lizard and snake quartiles, and (b) amphibian, bird and mammal quartiles.

Appendix S3 African ecoregion reptile species richness and environmental data.

Appendix S4 Range size, quartile and number of occupied ecoregions of reptile species in Africa.

Appendix S5 Percentage of species present in top ten richest ecoregions of vertebrate classes (a–d) and reptile groups (e–h).

Appendix S6 Species richness of crocodiles within African ecoregions. Colour codes correspond to species numbers in ecoregion from low (blue) to high (red).

Appendix S7 Relative importance of species richness predictors at Behrmann Grid (1° scale). Numbers above bins are regression coefficients as single predictors, *Significant *P*-values for variable as single predictor. (3,108 DF.)

Appendix S8 Lizard family species richness within African ecoregions (only richest families displayed). Colour codes correspond to species numbers in ecoregion from low (blue) to high (red). White denotes no species.

Appendix S9 Snake family species richness within African ecoregions (only richest families displayed). Colour codes correspond to species numbers in ecoregion from low (blue) to high (red). White denotes no species.

Appendix S10 Turtle family species richness within African ecoregions (only richest families displayed). Colour codes correspond to species numbers in ecoregion from low (blue) to high (red). White denotes no species.

BIOSKETCH

Amir Lewin is a PhD student studying the impact evaluation of protected areas. He is interested in the ecology and conservation of vertebrates.

Author contributions: A.L. digitized lizard ranges, ran the analyses and wrote the paper. A.F. digitized snake ranges. Y.I. digitized turtle and crocodile ranges. M.N., E.M., E.V. and O.T. helped with GIS and statistical analyses. D.G.B., A.M.B., L.C., A.L., M.L., S.M., D.M., M.N., Z.T.N., U.R. and J.F.T. derived the data and ran quality control for them. J.B. and S.M. helped with the study design and writing. S.M. initiated the project and digitized amphisbaenian ranges.

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Supporting Information

Patterns of species richness, endemism and environmental gradients of African reptiles

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Appendix S1a. African amphisbaenian species distribution data.

Species	**Source**
Agamodon anguliceps	Lanza, 1983
Agamodon compressus	Lanza, 1988
Ancylocranium barkeri	Spawls et al., 2002
Ancylocranium ionidesi	Gans & Kochva, 1965
Ancylocranium somalicum	Lanza, 1983
Baikia africana	IUCN
Blanus cinereus	Salvador, 1998; Papenfuss, 1982
Blanus mettetali	Roberto Sindaco (pers.comm.); IUCN; Bons & Geniez, 1996; Busack, 1988; Carmagnola Museum Collections
Blanus tingitanus	Roberto Sindaco (pers.comm.); IUCN; Bons & Geniez, 1996; Busack, 1988; Carmagnola Museum Collections
Chirindia ewerbecki	Broadley & Howell, 1991
Chirindia langi	Aaron Bauer & Don Broadley (pers.obs.); Broadley & Gans, 1978
Chirindia mpwapwaensis	Spawls et al., 2003
Chirindia rondoensis	Broadley & Howell, 1991
Chirindia swynnertoni	Aaron Bauer (pers.obs.); Broadley & Gans, 1978
Cynisca bifrontalis	IUCN; Branch et al., 2003
Cynisca chirioi	Trape et al., 2014
Cynisca feae	Gans, 1987
Cynisca gansi	Gans, 1987
Cynisca haugi	Pauwels & Vande weghe, 2008; Gans, 1987; Pauwels & Vande Weghe, 2008
Cynisca ivoirensis	Trape & Mane, 2014
Cynisca kigomensis	Gans, 1987
Cynisca kraussi	Gans, 1987
Cynisca leonina	Gans, 1987
Cynisca leucura	Chirio & LeBreton, 2007
Cynisca liberiensis	Gans, 1987
Cynisca manei	Trape, 2014
Cynisca muelleri	IUCN
Cynisca nigeriensis	Gans, 1987
Cynisca oligopholis	Gans, 1987
Cynisca rouxae	Hahn, 1979; Gans, 1987
Cynisca schaeferi	IUCN; Chirio & LeBreton, 2007
Cynisca senegalensis	Gans, 1987
Cynisca williamsi	Gans, 1987
Dalophia angolensis	Aaron Bauer & Don Broadley (pers.obs.); Gans, 1976; Broadley et al., 1976

Species	**Source**
Dalophia ellenbergeri	Aaron Bauer & Don Broadley (pers.obs.); Broadley et al., 1976
Dalophia gigantea	Laurent Chirio (pers.obs.); Broadley et al., 1976
Dalophia longicauda	Aaron Bauer (pers.obs.); Broadley et al., 1976
Dalophia luluae	Laurent Chirio (pers.obs.); Broadley et al., 1976
Dalophia pistillum	Aaron Bauer (pers.obs.); Monard, 1937
Geocalamus acutus	Gans & Kraklau 1989; Spawls et al., 2002
Geocalamus modestus	Gans & Kraklau, 1989; Spawls et al., 2002
Loveridgea ionidesii	Gans & Kraklau, 1989
Loveridgea phylofiniens	Spawls et al., 2002
Monopeltis adercae	Laurent Chirio (pers.obs.); Broadley et al., 1976
Monopeltis anchietae	Aaron Bauer & Don Broadley (pers.obs.); Bocage, 1895
Monopeltis capensis	Aaron Bauer & Don Broadley (pers.obs.)
Monopeltis decosteri	Aaron Bauer (pers.obs.); Broadley et al., 1976
Monopeltis galeata	Pauwels & Vande weghe, 2008; Gans & Lehman, 1973; Chirio & LeBreton, 2007; dos Santos, 2013
Monopeltis guentheri	Laurent Chirio (pers.obs.); Gans & Lehman, 1973; dos Santos, 2013
Monopeltis infuscata	Aaron Bauer (pers.obs.); Broadley, 1997
Monopeltis jugularis	Chirio & LeBreton, 2007; dos Santos, 2013; Chirio & LeBreton, 2007
Monopeltis kabindae	Laurent Chirio (pers.obs.); Broadley et al., 1976; dos Santos, 2013
Monopeltis leonhardi	Aaron Bauer (pers.obs.); Broadley et al., 1976
Monopeltis luandae	Aaron Bauer (pers.obs.); Gans, 1976
Monopeltis perplexus	Gans, 1976
Monopeltis remaclei	Laurent Chirio (pers.obs.); Broadley et al., 1976
Monopeltis rhodesiana	Broadley et al., 1976; Aaron Bauer (pers.obs.)
Monopeltis scalper	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Monopeltis schoutedeni	Laurent Chirio (pers.obs.); dos Santos, 2013; Gans & Lehman, 1973
Monopeltis sphenorhynchus	Aaron Bauer (pers.obs.)
Monopeltis vanderysti	Aaron Bauer (pers.obs.)
Monopeltis welwitschii	Aaron Bauer (pers.obs.); Gans, 1976; Broadley et al., 1976
Monopeltis zambezensis	Aaron Bauer (pers.obs.); Broadley et al., 1976
Trogonophis wiegmanni	Bons & Geniez, 1996; Boulenger, 1891a; IUCN
Zygaspis dolichomenta	Laurent Chirio (pers.obs.)
Zygaspis ferox	Aaron Bauer (pers.obs.); Broadley & Broadley, 1997
Zygaspis kafuensis	IUCN; Broadley & Broadley, 1997
Zygaspis nigra	Aaron Bauer & Don Broadley (pers.obs.); Broadley & Broadley, 1997; Saiff, 1970

Species	Source
Zygaspis quadrifrons	Aaron Bauer (pers.obs.); Saiff, 1970; Broadley & Broadley, 1997
Zygaspis vandami	Aaron Bauer (pers.obs.); Broadley & Broadley, 1997
Zygaspis violacea	Aaron Bauer & Don Broadley (pers.obs.); Aaron Bauer (pers.obs.); Broadley & Broadley, 1997

Appendix S1b. African crocodile species distribution data.

Species	Source
Crocodylus succhus	Trape et al., 2012
Crocodylus niloticus	Hekkala et al., 2011
Mecistops cataphractus	IUCN
Osteolaemus tetraspis	IUCN

Appendix S1c. African lizard species distribution data.

Species	Source
Ablepharus ruppellii	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Acanthocercus annectens	Lanza, 1983; Largen & Spawls, 2010
Acanthocercus atricollis	Aaron Bauer (pers.obs.); Branch, 2005; Bocage, 1895
Acanthocercus branchi	Aaron Bauer (pers.obs.); Wagner et al., 2012a
Acanthocercus cyanogaster	Spawls et al., 2002; Zoltán Nagy (pers.obs)
Acanthocercus guentherpetersi	Largen & Spawls, 2010
Acanthocercus phillipsii	Lanza, 1983; Largen & Spawls, 2010
Acanthodactylus aegyptius	Karin Tamar (pers.comm.); Steinhardt/TAU Museum
Acanthodactylus aureus	Roberto Sindaco (pers.comm.); Karin Tamar (pers.comm.); VertNet
Acanthodactylus bedriagai	Karin Tamar (pers.comm.)
Acanthodactylus blanci	Karin Tamar (pers.comm.)
Acanthodactylus boskianus	Karin Tamar (pers.comm.); Steinhardt/TAU Museum
Acanthodactylus boueti	Karin Tamar (pers.comm.)
Acanthodactylus busacki	Karin Tamar (pers.comm.)
Acanthodactylus dumerilii	Roberto Sindaco (pers.comm.); Karin Tamar (pers.comm.): VerNet
Acanthodactylus erythrurus	Karin Tamar (pers.comm.)
Acanthodactylus guineensis	Roberto Sindaco (pers.comm.); Karin Tamar (pers.comm.)

Species	Source
Acanthodactylus lineomaculatus	Karin Tamar (pers.comm.)
Acanthodactylus longipes	Trape et al., 2012; Karin Tamar (pers.comm.); Salvador, 1982
Acanthodactylus maculatus	Karin Tamar (pers.comm.); Sindaco & Jeremcenko, 2008
Acanthodactylus opheodurus	Karin Tamar (pers.comm.)
Acanthodactylus pardalis	Karin Tamar (pers.comm.); VertNet
Acanthodactylus savignyi	Karin Tamar (pers.comm.); VertNet
Acanthodactylus scutellatus	Roberto Sindaco (pers.comm.); Karin Tamar (pers.comm.); Steinhardt/TAU Museum
Acanthodactylus senegalensis	Karin Tamar (pers.comm.)
Acanthodactylus spinicauda	Roberto Sindaco (pers.comm.); IUCN
Acanthodactylus taghitensis	Karin Tamar (pers.comm.)
Acontias aurantiacus	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988; GBIF
Acontias bicolor	Aaron Bauer (pers.obs.); Branch, 1988; VertNet
Acontias breviceps	Bates et al., 2014; Branch, 1988
Acontias cregoi	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Acontias gariepensis	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Acontias gracilicauda	Bates et al., 2014; Branch, 1988
Acontias jappi	Aaron Bauer & Don Broadley (pers.obs.); Schneider & Bauer, 2009
Acontias kgalagadi	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988; Fitch, 1970; Branch, 1998; Pianka, 1986; Pianka & Vitt, 2003; Auerbach, 1987; Cree, 1994; Dunham et al., 1988; Huey et al., 1974; Goldberg, 2006; Cree & Guillette, 1995; Pianka, 1971; Broadley, 1968; Conradie & Bourquin, 2013
Acontias lineatus	Bates et al., 2014; Branch, 1988
Acontias litoralis	Bates et al., 2014; Branch, 1988
Acontias meleagris	Bates et al., 2014; Branch, 1988
Acontias namaquensis	Bates et al., 2014
Acontias occidentalis	Aaron Bauer & Don Broadley (pers.obs.)
Acontias orientalis	Bates et al., 2014; Branch, 1988
Acontias percivali	Auerbach, 1987; Branch, 1988
Acontias plumbeus	Aaron Bauer (pers.obs.); Branch, 1988; GBIF
Acontias poecilus	Bates et al., 2014; Branch, 1988
Acontias richardi	Bates et al., 2014; Branch, 1988
Acontias rieppeli	Auerbach, 1987; Branch, 1988
Acontias schmitzi	Wagner et al., 2012b
Acontias tristis	Bates et al., 2014; Branch, 1988
Adolfus africanus	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)

Species	**Source**
Adolfus alleni	IUCN; Spawls et al., 2002
Adolfus jacksoni	Branch, 2005; Zoltán Nagy (pers.obs)
Adolfus masavaensis	Branch, 2014; Wagner et al., 2014a
Afroablepharus duruarum	Laurent Chirio (pers.obs.)
Afroablepharus maculicollis	Aaron Bauer (pers.obs.)
Afroablepharus seydeli	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Afroablepharus wahlbergi	Aaron Bauer (pers.obs.)
Afroablepharus wilsoni	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.)
Afroedura africana	Bates et al., 2014; Branch, 1988
Afroedura amatolica	Bates et al., 2014; Makhubo et al., 2015
Afroedura bogerti	Aaron Bauer (pers.obs.)
Afroedura broadleyi	Jacobsen et al., 2014
Afroedura granitica	Jacobsen et al., 2014
Afroedura haackei	Jacobsen et al., 2014
Afroedura halli	Bates et al., 2014; Makhubo et al., 2015
Afroedura hawequensis	Branch, 1988
Afroedura karroica	Bates et al., 2014; Makhubo et al., 2015
Afroedura langi	Bates et al., 2014; Branch, 1988
Afroedura leoloensis	Jacobsen et al., 2014
Afroedura loveridgei	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988; GBIF
Afroedura major	Branch, 1988
Afroedura maripi	Jacobsen et al., 2014
Afroedura marleyi	Bates et al., 2014; Branch, 1988
Afroedura multiporis	Branch, 1988
Afroedura namaquensis	Jacobsen et al., 2014
Afroedura nivaria	Bates et al., 2014; Makhubo et al., 2015
Afroedura pienaari	Jacobsen et al., 2014
Afroedura pondolia	Bates et al., 2014; Makhubo et al., 2015
Afroedura pongola	Jacobsen et al., 2014
Afroedura rondavelica	Jacobsen et al., 2014
Afroedura rupestris	Jacobsen et al., 2014
Afroedura tembulica	Bates et al., 2014; Makhubo et al., 2015
Afroedura tirasensis	Jacobsen et al., 2014; Haacke, 1965
Afroedura transvaalica	Aaron Bauer (pers.obs.); Branch, 1988
Afroedura waterbergensis	Jacobsen et al., 2014
Afrogecko ansorgii	Aaron Bauer (pers.obs.)
Afrogecko porphyreus	Bates et al., 2014; Branch, 1988
Agama aculeata	Aaron Bauer & Don Broadley (pers.obs.)

Species	**Source**
Agama africana	Trape et al., 2012; IUCN
Agama agama	Roberto Sindaco (pers.comm.); Laurent Chirio (pers.obs.); Mediannikov et al., 2012; Trape et al., 2012
Agama anchietae	Bates et al., 2014; Aaron Bauer (pers.obs.)
Agama armata	Aaron Bauer (pers.obs.); Laurent Chirio (pers.obs.); GBIF
Agama atra	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988; Zoltán Nagy & Danny Mierte (pers.obs.)
Agama bocourti	IUCN
Agama boensis	Trape et al., 2012; IUCN
Agama bottegi	Wagner & Bauer, 2011
Agama boueti	Trape et al., 2012; IUCN; VertNet
Agama boulengeri	Trape et al., 2012; IUCN; Philip Wagner (pers.comm.)
Agama caudospinosa	Spawls et al., 2002
Agama congica	Aaron Bauer (pers.obs.)
Agama cristata	Trape et al., 2012; IUCN
Agama doriae	Trape et al., 2012; Largen & Spawls, 2010
Agama etoshae	Branch, 1988; Heideman, 1997
Agama finchi	GBIF
Agama gracilimembris	Trape et al., 2012
Agama hartmanni	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); IUCN; Wagner & Bauer, 2011
Agama hispida	Bates et al., 2014; Branch, 1988
Agama hulbertorum	Wagner, 2014
Agama impalearis	Roberto Sindaco (pers.comm.); Schleich et al., 1996; VertNet
Agama insularis	Trape et al., 2012; IUCN
Agama kaimosae	Wagner et al., 2011
Agama kirkii	Aaron Bauer (pers.obs.); Branch, 1988; Portik et al., 2013
Agama knobeli	Aaron Bauer (pers.obs.); Branch, 1988; Zoltán Nagy (pers.obs)
Agama lanzai	Wagner et al., 2013a
Agama lebretoni	Trape et al., 2012; Wagner et al., 2009; Mediannikov et al., 2012; Trape et al., 2012
Agama lionotus	Branch, 2014; Bohme et al., 2005
Agama lucyae	Wagner & Bauer, 2011
Agama makarikarika	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Agama montana	Spawls et al., 2002
Agama mossambica	Aaron Bauer (pers.obs.); Branch, 1988; VertNet
Agama mucosoensis	Aaron Bauer (pers.obs.); Wagner et al., 2012c
Agama mwanzae	Spawls et al., 2002
Agama parafricana	Trape et al., 2012; Mediannikov et al., 2012; Trape et al., 2012

Species	**Source**
Agama paragama	Trape et al., 2012; Laurent Chirio (pers.obs.)
Agama persimilis	Wagner & Bauer, 2011; Wagner & Bauer, 2011
Agama planiceps	Aaron Bauer (pers.obs.)
Agama robecchii	Lanza, 1990; Largen & Spawls, 2010
Agama rueppelli	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Wagner & Bauer, 2011
Agama sankaranica	Trape et al., 2012
Agama somalica	Wagner et al., 2013a
Agama spinosa	Roberto Sindaco (pers.comm.); IUCN; Largen & Spawls, 2010
Agama sylvana	Laurent Chirio (pers.obs.); Pauwels & Vande weghe, 2008
Agama tassiliensis	Trape et al., 2012; Aaron Bauer (pers.obs.); Geniez et al., 2011
Agama turuensis	Wagner, Krause & Bohme, 2008
Agama weidholzi	Trape et al., 2012; IUCN
Atlantolacerta andreanskyi	Roberto Sindaco (pers.comm.); IUCN
Australolacerta australis	Bates et al., 2014; Branch, 1988
Bradypodion atromontanum	Bates et al., 2014
Bradypodion caeruleogula	Bates et al., 2014
Bradypodion caffer	Bates et al., 2014; Branch, 1988
Bradypodion damaranum	Bates et al., 2014; Branch, 1988
Bradypodion dracomontanum	Branch, 1988
Bradypodion gutturale	Bates et al., 2014; Branch, 1988
Bradypodion kentanicum	Bates et al., 2014; Branch, 1988
Bradypodion melanocephalum	Bates et al., 2014; Branch, 1988
Bradypodion nemorale	Bates et al., 2014; Branch, 1988
Bradypodion ngomeense	Bates et al., 2014; Tilbury & Tolley 2009; Tilbury, 2010
Bradypodion occidentale	Bates et al., 2014; Branch, 1988
Bradypodion pumilum	Branch, 1988
Bradypodion setaroi	Branch, 1988
Bradypodion taeniabronchum	Bates et al., 2014; Branch, 1988
Bradypodion thamnobates	Branch, 1988
Bradypodion transvaalense	Bates et al., 2014; Branch, 1988
Bradypodion ventrale	Bates et al., 2014; Branch, 1988
Broadleysaurus major	Aaron Bauer (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Bunopus tuberculatus	Roberto Sindaco (pers.comm.)
Chalcides armitagei	Trape et al., 2012
Chalcides bedriagai	Silero et al., 2014
Chalcides bottegi	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Greenbaum et al., 2006

Species	Source
Chalcides boulengeri	Roberto Sindaco (pers.comm.); Carranza et al., 2008; VertNet
Chalcides chalcides	IUCN; Caputo, 1993
Chalcides colosii	IUCN
Chalcides delislei	Roberto Sindaco (pers.comm.); IUCN; VertNet
Chalcides ebneri	Roberto Sindaco (pers.comm.); IUCN
Chalcides lanzai	Carranza et al., 2008
Chalcides levitoni	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); VertNet
Chalcides manueli	Carranza et al., 2008
Chalcides mauritanicus	Roberto Sindaco (pers.comm.); IUCN; VertNet
Chalcides mertensi	Roberto Sindaco (pers.comm.); Carranza et al., 2008
Chalcides minutus	Carranza et al., 2008
Chalcides mionecton	Carranza et al., 2008
Chalcides montanus	Roberto Sindaco (pers.comm.); Carranza et al., 2008
Chalcides ocellatus	Roberto Sindaco (pers.comm.); Carranza et al., 2008; Steinhardt/TAU Museum
Chalcides parallelus	IUCN
Chalcides polylepis	Carranza et al., 2008
Chalcides pseudostriatus	IUCN
Chalcides pulchellus	IUCN
Chalcides ragazzii	Baha El Din, 2006; Largen & Spawls, 2010
Chalcides sepsoides	Roberto Sindaco (pers.comm.); Aaron Bauer (pers.obs.); Steinhardt/TAU Museum
Chalcides sphenopsiformis	Roberto Sindaco (pers.comm.); IUCN; VertNet
Chalcides striatus	Roberto Sindaco (pers.comm.)
Chalcides thierryi	Trape et al., 2012; IUCN
Chamaeleo africanus	Baha El Din, 2006; Largen & Spawls, 2010
Chamaeleo anchietae	Aaron Bauer (pers.obs.); Bocage, 1895
Chamaeleo calcaricarens	Tilbury, 2010
Chamaeleo chamaeleon	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Chamaeleo dilepis	Auerbach, 1987; Aaron Bauer (pers.obs.); Bocage, 1895
Chamaeleo gracilis	Trape et al., 2012; Aaron Bauer (pers.obs.); Bocage, 1895
Chamaeleo laevigatus	Trape et al., 2012; Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Chamaeleo namaquensis	Bates et al., 2014; Aaron Bauer (pers.obs.); Bocage, 1895
Chamaeleo necasi	Trape et al., 2012; IUCN
Chamaeleo senegalensis	Trape et al., 2012; IUCN; VertNet
Chamaesaura aenea	Bates et al., 2014; Branch, 1988
Chamaesaura anguina	Bates et al., 2014; Aaron Bauer (pers.obs.); GBIF

Species	Source
Chamaesaura macrolepis	Aaron Bauer (pers.obs.); Branch, 1988; Bocage, 1895
Chamaesaura miopropus	Aaron Bauer (pers.obs.); Broadley & Cotterill, 2004
Chamaesaura tenuior	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Chondrodactylus angulifer	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Chondrodactylus bibronii	Aaron Bauer (pers.obs.); Branch, 1988
Chondrodactylus fitzsimonsi	Aaron Bauer (pers.obs.)
Chondrodactylus pulitzerae	Aaron Bauer (pers.obs.)
Chondrodactylus turneri	Aaron Bauer (pers.obs.)
Cnemaspis africana	Spawls et al., 2002
Cnemaspis alantika	Laurent Chirio (pers.obs.)
Cnemaspis barbouri	Spawls et al., 2002
Cnemaspis dickersonae	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Cnemaspis dilepis	Laurent Chirio (pers.obs.)
Cnemaspis elgonensis	Spawls et al., 2002
Cnemaspis gigas	Trape et al., 2012; IUCN
Cnemaspis koehleri	Laurent Chirio (pers.obs.); IUCN
Cnemaspis occidentalis	Trape et al., 2012; IUCN
Cnemaspis petrodroma	Trape et al., 2012; IUCN
Cnemaspis quattuorseriata	Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Cnemaspis spinicollis	Trape et al., 2012
Cnemaspis uzungwae	Spawls et al., 2002
Colopus kochii	Branch, 1988
Colopus wahlbergii	Aaron Bauer (pers.obs.)
Congolacerta asukului	Laurent Chirio (pers.obs.); Greenbaum et al., 2011
Congolacerta vauereselli	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Cophoscincopus durus	Trape et al., 2012; IUCN
Cophoscincopus greeri	Trape et al., 2012; IUCN
Cophoscincopus senegalensis	Trape et al., 2012; IUCN
Cophoscincopus simulans	Trape et al., 2012; IUCN
Cordylosaurus subtessellatus	Bates et al., 2014; Aaron Bauer (pers.obs.)
Cordylus angolensis	Aaron Bauer (pers.obs.)
Cordylus aridus	Bates et al., 2014; Branch, 1988
Cordylus beraduccii	Reissig, 2014; Spawls et al., 2002; Broadley & Branch, 2002
Cordylus cloetei	Bates et al., 2014; Branch, 1988
Cordylus cordylus	Bates et al., 2014; Branch, 1988; Bocage, 1895
Cordylus imkeae	Bates et al., 2014; Branch, 1988
Cordylus jonesii	Aaron Bauer (pers.obs.); Greenbaum et al., 2012

Species	**Source**
Cordylus machadoi	Reissig, 2014; Aaron Bauer (pers.obs.)
Cordylus macropholis	Branch, 1988
Cordylus marunguensis	Reissig, 2014; Laurent Chirio (pers.obs.); Greenbaum et al., 2012
Cordylus mclachlani	Bates et al., 2014; Branch, 1988
Cordylus meculae	Reissig, 2014; IUCN
Cordylus minor	Bates et al., 2014; Branch, 1988
Cordylus niger	Bates et al., 2014
Cordylus nyikae	Reissig, 2014; Greenbaum et al., 2012
Cordylus oelofseni	Bates et al., 2014; Branch, 1988
Cordylus rhodesianus	Aaron Bauer (pers.obs.); Branch, 1988
Cordylus rivae	Reissig, 2014; IUCN; Largen & Spawls, 2010
Cordylus tropidosternum	Aaron Bauer (pers.obs.); Greenbaum et al., 2012; Zoltán Nagy (pers.obs)
Cordylus ukingensis	Reissig, 2014; Spawls et al., 2002
Cordylus vittifer	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988; GBIF
Cryptactites peringueyi	Bates et al., 2014
Cryptoblepharus africanus	Aaron Bauer & Don Broadley (pers.obs.); Lanza, 1983; VertNet
Cryptoblepharus ahli	Horner, 2007
Cryptoblepharus boutonii	VertNet
Cryptoblepharus megastictus	GBIF
Cyrtopodion scabrum	Roberto Sindaco (pers.comm.); IUCN
Ebenavia inunguis	IUCN; Spawls et al., 2002
Elasmodactylus tetensis	Aaron Bauer (pers.obs.); Branch, 2005; GBIF
Elasmodactylus tuberculosus	Aaron Bauer & Don Broadley (pers.obs.); IUCN; GBIF
Euleptes europaea	Roberto Sindaco (pers.comm.)
Eumeces algeriensis	Roberto Sindaco (pers.comm.); IUCN
Eumeces schneideri	Roberto Sindaco (pers.comm.); Carranza et al., 2008; Steinhardt/TAU Museum
Eumecia anchietae	Aaron Bauer & Don Broadley (pers.obs.); Bocage, 1895
Eumecia johnstoni	Boulenger, 1897
Feylinia boulengeri	Pauwels & Vande weghe, 2008
Feylinia currori	Trape et al., 2012; Aaron Bauer (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Feylinia elegans	Laurent Chirio (pers.obs.); Aaron Bauer (pers.obs.); Zoltán Nagy (pers.obs)
Feylinia grandisquamis	Laurent Chirio (pers.obs.); Aaron Bauer (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Feylinia macrolepis	Laurent Chirio (pers.obs.)

Species	**Source**
Gastropholis echinata	Trape et al., 2012; Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Gastropholis prasina	Spawls et al., 2002
Gastropholis tropidopholis	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Gastropholis vittata	Aaron Bauer & Don Broadley (pers.obs.); Branch, 2014
Gerrhosaurus auritus	Aaron Bauer (pers.obs.)
Gerrhosaurus bulsi	Aaron Bauer & Don Broadley (pers.obs.); Aaron Bauer (pers.obs.); GBIF
Gerrhosaurus flavigularis	Aaron Bauer (pers.obs.); Lanza, 1983; Spawls et al., 2002
Gerrhosaurus intermedius	Aaron Bauer (pers.obs.); Laurent Chirio (pers.obs.)
Gerrhosaurus multilineatus	Aaron Bauer (pers.obs.)
Gerrhosaurus nigrolineatus	Laurent Chirio (pers.obs.); VertNet
Gerrhosaurus skoogi	Aaron Bauer (pers.obs.); GBIF
Gerrhosaurus typicus	Bates et al., 2014; Branch, 1988
Goggia braacki	Bates et al., 2014
Goggia essexi	Bates et al., 2014; Branch, 1988
Goggia gemmula	Bates et al., 2014; Branch, 1988
Goggia hewitti	Bates et al., 2014; Branch, 1988
Goggia hexapora	Bates et al., 2014; Branch, 1988
Goggia lineata	Bates et al., 2014; Branch, 1988
Goggia microlepidota	Bates et al., 2014; Branch, 1988
Goggia rupicola	Bates et al., 2014; Branch, 1988
Haackgreerius miopus	Lanza, 1983
Heliobolus lugubris	Aaron Bauer (pers.obs.)
Heliobolus neumanni	Spawls et al., 2002; Largen & Spawls, 2010
Heliobolus nitidus	Trape et al., 2012; Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Heliobolus spekii	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Branch, 2005; Largen & Spawls, 2010
Hemicordylus capensis	Reissig, 2014; Branch, 1988
Hemicordylus nebulosus	Bates et al., 2014; Branch, 1988
Hemidactylus albituberculatus	Trape et al., 2012
Hemidactylus albivertebralis	Trape et al., 2012; IUCN
Hemidactylus albopunctatus	Lanza, 1983; Largen & Spawls, 2010
Hemidactylus angulatus	Sindaco and Jeremcenko, 2008; Aaron Bauer (pers.obs.); Zoltán Nagy (pers.obs)
Hemidactylus ansorgii	Trape et al., 2012
Hemidactylus aporus	Powells, 2010
Hemidactylus arnoldi	IUCN; Largen & Spawls, 2010
Hemidactylus awashensis	Smid et al., 2015
Hemidactylus barbierii	Largen & Spawls, 2010

Species	**Source**
Hemidactylus barodanus	Lanza, 1983; Largen & Spawls, 2010
Hemidactylus bavazzanoi	Largen & Spawls, 2010
Hemidactylus bayonii	Aaron Bauer (pers.obs.)
Hemidactylus benguellensis	Aaron Bauer (pers.obs.)
Hemidactylus beninensis	Trape et al., 2012; IUCN
Hemidactylus biokoensis	Wagner et al., 2014b
*Hemidactylus brookii**	Powell & Maxey, 1990
Hemidactylus citernii	Lanza, 1983; VertNet
Hemidactylus coalescens	Leache et al., 2014
Hemidactylus curlei	Largen & Spawls, 2010
Hemidactylus echinus	Laurent Chirio (pers.obs.); Carlino & Pauwels, 2015
Hemidactylus eniangii	Leache et al., 2014
Hemidactylus fasciatus	Trape et al., 2012; Leache et al., 2014; Leache & Fujita, 2010
Hemidactylus flaviviridis	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Hemidactylus foudaii	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); IUCN
Hemidactylus frenatus	VertNet
Hemidactylus funaiolii	Lanza, 1983; Spawls et al., 2002
Hemidactylus granchii	Lanza, 1983
Hemidactylus granosus	Smid et al., 2013
Hemidactylus isolepis	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Lanza, 1983; Spawls et al., 2002
Hemidactylus ituriensis	Laurent Chirio (pers.obs.)
Hemidactylus jubensis	Largen & Spawls, 2010
Hemidactylus kamdemtohami	Laurent Chirio (pers.obs.); Pauwels & Vande weghe, 2008
Hemidactylus klauberi	Lanza, 1983
Hemidactylus kundaensis	Trape et al., 2012; IUCN
Hemidactylus kyaboboensis	Leache et al., 2014
Hemidactylus laevis	Lanza, 1983
Hemidactylus lamaensis	Trape et al., 2012; IUCN
Hemidactylus laticaudatus	Largen & Spawls, 2010
Hemidactylus longicephalus	Laurent Chirio (pers.obs.); Aaron Bauer (pers.obs.)
Hemidactylus mabouia	Aaron Bauer (pers.obs.); GBIF
Hemidactylus macropholis	Lanza, 1983; Spawls et al., 2002
Hemidactylus makolowodei	Laurent Chirio (pers.obs.); IUCN
Hemidactylus matschiei	Trape et al., 2012; IUCN
Hemidactylus megalops	Lanza, 1983
Hemidactylus mercatorius	Lanza, 1983
Hemidactylus mindiae	Baha El Din, 2006; IUCN

Species	**Source**
Hemidactylus modestus	Spawls et al., 2002
Hemidactylus mrimaensis	Malonza & Bauer, 2014
Hemidactylus muriceus	Trape et al., 2012; Aaron Bauer (pers.obs.); Zoltán Nagy (pers.obs)
Hemidactylus ophiolepis	Largen & Spawls, 2010
Hemidactylus ophiolepoides	Lanza, 1983
Hemidactylus platycephalus	Aaron Bauer (pers.obs.); Lanza, 1983; GBIF
Hemidactylus pseudomuriceus	Trape et al., 2012; IUCN; GBIF
Hemidactylus puccionii	Lanza, 1983
Hemidactylus richardsonii	Trape et al., 2012; Laurent Chirio (pers.obs.); Carlino & Pauwels, 2015
Hemidactylus robustus	Sindaco and Jeremcenko, 2008; IUCN; Sindaco & Jeremcenko, 2008
Hemidactylus ruspolii	Lanza, 1983; Spawls et al., 2002
Hemidactylus sinaitus	Roberto Sindaco (pers.comm.); IUCN; Sindaco & Jeremcenko, 2008
Hemidactylus smithi	IUCN
Hemidactylus somalicus	Lanza, 1983; Largen & Spawls, 2010
Hemidactylus squamulatus	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Lanza, 1983; Spawls et al., 2002
Hemidactylus tanganicus	Spawls et al., 2002
Hemidactylus tasmani	Aaron Bauer (pers.obs.); Branch, 1988
Hemidactylus taylori	Lanza, 1983
Hemidactylus tropidolepis	Lanza, 1983; Spawls et al., 2002
Hemidactylus turcicus	Roberto Sindaco (pers.comm.); 2013Steinhardt/TAU Museum
Hemidactylus yerburii	Roberto Sindaco (pers.comm.); IUCN; Sindaco & Jeremcenko, 2008
Hemitheconyx caudicinctus	Trape et al., 2012; IUCN
Hemitheconyx taylori	Lanza, 1983; Largen & Spawls, 2010
Holaspis guentheri	Trape et al., 2012; Aaron Bauer (pers.obs.); GBIF
Holaspis laevis	Aaron Bauer & Don Broadley (pers.obs.); Branch, 2005
Holodactylus africanus	Spawls et al., 2002; Largen & Spawls, 2010
Holodactylus cornii	Lanza, 1983
Homopholis arnoldi	Aaron Bauer (pers.obs.)
Homopholis fasciata	Lanza, 1983; Spawls et al., 2002
Homopholis mulleri	Bates et al., 2014; Branch, 1988; Jono et al., 2015
Homopholis walbergii	Reissig, 2014; Aaron Bauer (pers.obs.); GBIF
Ichnotropis bivittata	Aaron Bauer & Don Broadley (pers.obs.); Monard, 1937
Ichnotropis capensis	Aaron Bauer (pers.obs.); Bocage, 1895
Ichnotropis chapini	Laurent Chirio (pers.obs.); Uetz, 2014
Ichnotropis grandiceps	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988

Species	**Source**
Ichnotropis microlepidota	Uetz, 2014
Ichnotropis tanganicana	Spawls et al., 2002
Karusasaurus jordani	Branch, 1988; VertNet
Karusasaurus polyzonus	Reissig, 2014; Branch, 1988
Kinyongia adolfifriderici	Laurent Chirio (pers.obs.); GBIF
Kinyongia asheorum	Tilbury, 2010
Kinyongia boehmei	Spawls et al., 2002
Kinyongia carpenteri	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Kinyongia excubitor	Spawls et al., 2002
Kinyongia fischeri	Spawls et al., 2002
Kinyongia gyrolepis	Laurent Chirio (pers.obs.); Greenbaum et al., 2012
Kinyongia magomberae	Tilbury, 2010
Kinyongia matschiei	Spawls et al., 2002
Kinyongia multituberculata	Spawls et al., 2002
Kinyongia mulyai	Tilbury & Tolley, 2015
Kinyongia oxyrhina	Tilbury, 2010
Kinyongia tavetana	Spawls et al., 2002; Tilbury, 2010
Kinyongia tenuis	Spawls et al., 2002
Kinyongia uluguruensis	Spawls et al., 2002
Kinyongia uthmoelleri	Branch, 2014; Tilbury, 2010
Kinyongia vanheygeni	Tilbury, 2010
Kinyongia vosseleri	Spawls et al., 2002
Kinyongia xenorhina	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Kolekanos plumicaudus	Aaron Bauer (pers.obs.); Haacke, 2008
Lacertaspis chriswildi	Laurent Chirio (pers.obs.)
Lacertaspis gemmiventris	Laurent Chirio (pers.obs.)
Lacertaspis lepesmei	Laurent Chirio (pers.obs.)
Lacertaspis reichenowi	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Lacertaspis rohdei	Laurent Chirio (pers.obs.)
Latastia boscai	Lanza, 1983; Largen & Spawls, 2010
Latastia caeruleopunctata	Lanza, 1983; Largen & Spawls, 2010
Latastia cherchii	IUCN
Latastia doriai	Lanza, 1983; Largen & Spawls, 2010
Latastia johnstonii	Reissig, 2014; Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Latastia longicaudata	Baha El Din, 2006; IUCN; Aaron Bauer (pers.obs.); Largen & Spawls, 2010
Latastia ornata	Trape et al., 2012; IUCN
Latastia petersiana	Lanza, 1983
Latastia siebenrocki	Laurent Chirio (pers.obs.); Jean-Francois Trape (pers.obs.)
Latastia taylori	Lanza, 1983

Species	**Source**
Lepidothyris fernandi	Trape et al., 2012; Pauwels & Vande weghe, 2008; GBIF
Lepidothyris hinkeli	Laurent Chirio (pers.obs.); Wagner et al., 2009
Lepidothyris striatus	Laurent Chirio (pers.obs.); Wagner et al., 2009
Leptosiaphos aloysiisabaudiae	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Zoltán Nagy (pers.obs)
Leptosiaphos amieti	Laurent Chirio (pers.obs.)
Leptosiaphos blochmanni	Laurent Chirio (pers.obs.); GBIF
Leptosiaphos dewittei	Aaron Bauer (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Leptosiaphos dungeri	Trape et al., 2012
Leptosiaphos fuhni	Laurent Chirio (pers.obs.)
Leptosiaphos graueri	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Leptosiaphos hackarsi	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Leptosiaphos hylophilus	Laurent Chirio (pers.obs.); Laurent, 1982
Leptosiaphos ianthinoxantha	Laurent Chirio (pers.obs.); Chirio & LeBreton, 2007
Leptosiaphos kilimensis	Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Leptosiaphos koutoui	Laurent Chirio (pers.obs.)
Leptosiaphos luberoensis	Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Leptosiaphos meleagris	Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Leptosiaphos pauliani	Laurent Chirio (pers.obs.); IUCN
Leptosiaphos rhodurus	Laurent Chirio (pers.obs.)
Leptosiaphos rhomboidalis	Spawls et al., 2002
Leptosiaphos vigintiserierum	Laurent Chirio (pers.obs.); Fuhn, 1972
Lygodactylus angolensis	Aaron Bauer (pers.obs.)
Lygodactylus angularis	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Lygodactylus bernardi	Aaron Bauer (pers.obs.); Branch, 1988
Lygodactylus bradfieldi	Aaron Bauer (pers.obs.); Branch, 1988
Lygodactylus broadleyi	Spawls et al., 2002
Lygodactylus capensis	Aaron Bauer (pers.obs.)
Lygodactylus chobiensis	Aaron Bauer (pers.obs.); GBIF
Lygodactylus conradti	Spawls et al., 2002
Lygodactylus conraui	Trape et al., 2012
Lygodactylus depressus	Laurent Chirio (pers.obs.); Laurent Chirio (pers.obs.)
Lygodactylus fischeri	Trape et al., 2012; Laurent Chirio (pers.obs.)
Lygodactylus grandisonae	IUCN; Spawls et al., 2002
Lygodactylus graniticolus	Bates et al., 2014; Branch, 1988
Lygodactylus gravis	IUCN

Species	**Source**
Lygodactylus grotei	Aaron Bauer (pers.obs.); Branch et al., 2005
Lygodactylus gutturalis	Trape et al., 2012; Laurent Chirio (pers.obs.); Steinhardt/TAU Museum
Lygodactylus howelli	Pasteur & Broadley, 1988
Lygodactylus inexpectatus	Spawls et al., 2002
Lygodactylus keniensis	Spawls et al., 2002; Largen & Spawls, 2010
Lygodactylus kimhowelli	Spawls et al., 2002
Lygodactylus lawrencei	Branch, 1988
Lygodactylus luteopicturatus	Spawls et al., 2002
Lygodactylus manni	Spawls et al., 2002
Lygodactylus methueni	Bates et al., 2014; Branch, 1988
Lygodactylus mombasicus	Branch, 2005
Lygodactylus nigropunctatus	Bates et al., 2014; Branch, 1988
Lygodactylus ocellatus	Bates et al., 2014; Branch, 1988
Lygodactylus picturatus	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); IUCN; Zoltán; Nagy & Danny Mierte (pers.obs.)
Lygodactylus regulus	Portik et al., 2013
Lygodactylus rex	Aaron Bauer & Don Broadley (pers.obs.)
Lygodactylus scheffleri	Spawls et al., 2002
Lygodactylus scorteccii	Spawls et al., 2002
Lygodactylus somalicus	Spawls et al., 2002; Largen & Spawls, 2010
Lygodactylus stevensoni	Aaron Bauer (pers.obs.); Branch, 1988
Lygodactylus waterbergensis	Bates et al., 2014; Branch, 1988
Lygodactylus williamsi	IUCN; Spawls et al., 2002
Lygosoma chaperi	Jean-Francois Trape (pers.obs.)
Lygosoma laeviceps	Lanza, 1983
Lygosoma lanceolatum	Broadley, 1994; Aaron Bauer (pers.obs.)
Lygosoma mafianum	IUCN
Lygosoma pembanum	Spawls et al., 2002
Matobosaurus maltzahni	Aaron Bauer (pers.obs.)
Matobosaurus validus	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Mediodactylus kotschyi	Roberto Sindaco (pers.comm.)
Melanoseps ater	Aaron Bauer & Don Broadley (pers.obs.); Broadley et al., 2006
Melanoseps emmrichi	Broadley et al., 2006
Melanoseps longicauda	Spawls et al., 2002
Melanoseps loveridgei	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Melanoseps occidentalis	Trape et al., 2012; Aaron Bauer (pers.obs.)
Melanoseps pygmaeus	Broadley et al., 2006

Species	**Source**
Melanoseps rondoensis	Broadley et al., 2006
Melanoseps uzungwensis	Broadley et al., 2006
Meroles anchietae	Aaron Bauer (pers.obs.)
Meroles ctenodactylus	Branch, 1988
Meroles cuneirostris	Branch, 1988
Meroles knoxii	Aaron Bauer (pers.obs.); Branch, 1988
Meroles micropholidotus	Branch, 1988; VertNet
Meroles reticulatus	Aaron Bauer (pers.obs.)
Meroles squamulosus	Aaron Bauer & Don Broadley (pers.obs.); Monard, 1937
Meroles suborbitalis	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Mesalina bahaeldini	Roberto Sindaco (pers.comm.); IUCN
Mesalina brevirostris	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Mesalina ercolinii	Lanza, 1983
Mesalina guttulata	Roberto Sindaco (pers.comm.); IUCN; Aaron Bauer (pers.obs.); Steinhardt/TAU Museum
Mesalina martini	Roberto Sindaco (pers.comm.); IUCN; Largen & Spawls, 2010
Mesalina olivieri	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Mesalina pasteuri	Roberto Sindaco (pers.comm.); IUCN
Mesalina rubropunctata	Roberto Sindaco (pers.comm.); Schleich et al., 1996; Aaron Bauer (pers.obs.); Steinhardt/TAU Museum
Mesalina simoni	Roberto Sindaco (pers.comm.)
Mochlus afer	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Mochlus brevicaudis	Trape et al., 2012; IUCN
Mochlus grandisonianum	Lanza, 1983
Mochlus guineensis	Trape et al., 2012; IUCN
Mochlus mabuiiforme	Lanza, 1983; Spawls et al., 2002
Mochlus mocquardi	Trape et al., 2012; IUCN
Mochlus paedocarinatum	Largen & Spawls, 2010
Mochlus productum	Lanza, 1983; VertNet
Mochlus simonettai	Lanza, 1983
Mochlus somalicum	Lanza, 1983; Spawls et al., 2002
Mochlus sundevalli	Aaron Bauer & Don Broadley (pers.obs.); Bocage, 1895
Mochlus tanae	Lanza, 1983; Spawls et al., 2002
Mochlus vinciguerrae	Lanza, 1983; Largen & Spawls, 2010
Nadzikambia baylissi	Branch & Tolley, 2010
Nadzikambia mlanjensis	Aaron Bauer & Don Broadley (pers.obs.); Tilbury, 2010
Namazonurus campbelli	Branch, 1988

Species	Source
Namazonurus lawrenci	Bates et al., 2014; Branch, 1988
Namazonurus namaquensis	Reissig, 2014; Branch, 1988
Namazonurus peersi	Bates et al., 2014; Branch, 1988
Namazonurus pustulatus	Branch, 1988
Narudasia festiva	Aaron Bauer (pers.obs.); Branch, 1988
Ninurta coeruleopunctatus	Bates et al., 2014; Branch, 1988
Nucras boulengeri	Aaron Bauer (pers.obs.)
Nucras caesicaudata	Aaron Bauer (pers.obs.); Branch, 1988; GBIF
Nucras holubi	Reissig, 2014; Branch, 1988
Nucras intertexta	Aaron Bauer (pers.obs.); Branch, 1988
Nucras lalandii	Bates et al., 2014; Branch, 1988
Nucras livida	Bates et al., 2014; Branch, 1988
Nucras ornata	Aaron Bauer & Don Broadley (pers.obs.); Edwards et al., 2013; Spawls et al., 2002
Nucras scalaris	Aaron Bauer (pers.obs.); GBIF
Nucras taeniolata	Bates et al., 2014; Edwards et al., 2013
Nucras tessellata	Aaron Bauer & Don Broadley (pers.obs.); Edwards et al., 2013; Bocage, 1895
Ophisaurus koellikeri	Roberto Sindaco (pers.comm.); IUCN
Ophisops elbaensis	Roberto Sindaco (pers.comm.)
Ophisops elegans	Roberto Sindaco (pers.comm.); Kyriazi et al., 2008; Steinhardt/TAU Museum
Ophisops occidentalis	Roberto Sindaco (pers.comm.); IUCN; VertNet
Ouroborus cataphractus	Bates et al., 2014; Branch, 1988
Pachydactylus acuminatus	Aaron Bauer (pers.obs.)
Pachydactylus affinis	Bates et al., 2014Branch, 1988
Pachydactylus amoenus	Bates et al., 2014
Pachydactylus atorquatus	Aaron Bauer (pers.obs.)
Pachydactylus austeni	Bates et al., 2014; Branch, 1988
Pachydactylus barnardi	Bates et al., 2014; Branch, 1988
Pachydactylus bicolor	Branch, 1988
Pachydactylus boehmei	Aaron Bauer (pers.obs.); Bauer, 2010
Pachydactylus capensis	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Pachydactylus caraculicus	Aaron Bauer (pers.obs.)
Pachydactylus carinatus	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus etultra	Aaron Bauer (pers.obs.); Branch et al., 2011
Pachydactylus fasciatus	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus formosus	Bates et al., 2014; Branch, 1988
Pachydactylus gaiasensis	Branch, 1988; VertNet
Pachydactylus geitje	Bates et al., 2014; Branch, 1988; Uetz, 2014
Pachydactylus goodi	Bates et al., 2014

Species	**Source**
Pachydactylus griffini	Aaron Bauer (pers.obs.)
Pachydactylus haackei	Bates et al., 2014; Branch, 1988
Pachydactylus katanganus	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Pachydactylus kladaroderma	Bates et al., 2014; Branch, 1988
Pachydactylus kobosensis	Aaron Bauer (pers.obs.); GBIF
Pachydactylus labialis	Bates et al., 2014; Branch, 1988
Pachydactylus laevigatus	Aaron Bauer (pers.obs.)
Pachydactylus maculatus	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Pachydactylus maraisi	Heinicke et al., 2011
Pachydactylus mariquensis	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus mclachlani	Aaron Bauer (pers.obs.)
Pachydactylus monicae	Aaron Bauer (pers.obs.)
Pachydactylus montanus	Aaron Bauer (pers.obs.)
Pachydactylus namaquensis	Bates et al., 2014; Branch, 1988
Pachydactylus oculatus	Bates et al., 2014; Branch, 1988
Pachydactylus oreophilus	Aaron Bauer (pers.obs.)
Pachydactylus oshaughnessyi	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus otaviensis	Aaron Bauer (pers.obs.)
Pachydactylus parascutatus	Aaron Bauer (pers.obs.)
Pachydactylus punctatus	Aaron Bauer (pers.obs.); Laurent Chirio (pers.obs.)
Pachydactylus purcelli	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus rangei	Bates et al., 2014; Aaron Bauer (pers.obs.)
Pachydactylus reconditus	Aaron Bauer (pers.obs.)
Pachydactylus robertsi	Aaron Bauer (pers.obs.)
Pachydactylus rugosus	Aaron Bauer & Don Broadley (pers.obs.)
Pachydactylus sansteynae	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus scherzi	Aaron Bauer (pers.obs.); VertNet
Pachydactylus scutatus	Aaron Bauer (pers.obs.)
Pachydactylus serval	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus tigrinus	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus tsodiloensis	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Pachydactylus vansoni	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus vanzyli	Aaron Bauer (pers.obs.)
Pachydactylus visseri	Aaron Bauer (pers.obs.)
Pachydactylus waterbergensis	Aaron Bauer (pers.obs.)
Pachydactylus weberi	Aaron Bauer (pers.obs.); Branch, 1988
Pachydactylus werneri	Aaron Bauer (pers.obs.)
Panaspis breviceps	Trape et al., 2012; Aaron Bauer (pers.obs.); GBIF
Panaspis burgeoni	Laurent Chirio (pers.obs.); Uetz, 2014

Species	**Source**
Panaspis cabindae	Aaron Bauer (pers.obs.); GBIF
Panaspis helleri	Laurent Chirio (pers.obs.)
Panaspis megalurus	Spawls et al., 2002
Panaspis nimbaensis	Laurent Chirio (pers.obs.); IUCN
Panaspis tancredi	Largen & Spawls, 2010
Panaspis togoensis	Trape et al., 2012; Laurent Chirio (pers.obs.)
Pedioplanis benguellensis	Aaron Bauer (pers.obs.)
Pedioplanis breviceps	Branch, 1988
Pedioplanis burchelli	Bates et al., 2014; Branch, 1988
Pedioplanis gaerdesi	Branch, 1988
Pedioplanis haackei	Aaron Bauer (pers.obs.); Conradie et al., 2012
Pedioplanis huntleyi	Aaron Bauer (pers.obs.); Conradie et al., 2012
Pedioplanis husabensis	Branch, 1988; VertNet
Pedioplanis inornata	Bates et al., 2014; Branch, 1988
Pedioplanis laticeps	Bates et al., 2014; Branch, 1988
Pedioplanis lineoocellata	Aaron Bauer (pers.obs.); Branch, 1988
Pedioplanis namaquensis	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988; Bocage, 1895
Pedioplanis rubens	Branch, 1988
Pedioplanis undata	Branch, 1988; Aaron Bauer (pers.obs.)
Phelsuma dubia	Aaron Bauer & Don Broadley (pers.obs.); Spawls et al., 2002
Phelsuma parkeri	Schonecker, 2008; Spawls et al., 2002
Philochortus hardeggeri	Lanza, 1983; Largen & Spawls, 2010
Philochortus intermedius	Roberto Sindaco (pers.comm.); Lanza, 1983; Largen & Spawls, 2010
Philochortus phillipsi	Largen & Spawls, 2010
Philochortus spinalis	Largen & Spawls, 2010
Philochortus zolii	Roberto Sindaco (pers.comm.); IUCN; Marx, 1968
Phoenicolacerta laevis	Roberto Sindaco (pers.comm.)
Platysaurus broadleyi	Bates et al., 2014; Branch, 1988
Platysaurus capensis	Aaron Bauer (pers.obs.)
Platysaurus guttatus	Auerbach, 1987; Branch, 1988
Platysaurus imperator	Aaron Bauer (pers.obs.); Branch, 1988
Platysaurus intermedius	Aaron Bauer (pers.obs.); Branch, 1988; GBIF
Platysaurus lebomboensis	Bates et al., 2014; Branch, 1988; GBIF
Platysaurus maculatus	Aaron Bauer (pers.obs.); Spawls et al., 2002
Platysaurus minor	Bates et al., 2014; Branch, 1988
Platysaurus mitchelli	Loveridge, 1953
Platysaurus monotropis	Bates et al., 2014; Branch, 1988
Platysaurus ocellatus	Branch, 1988

Species	**Source**
Platysaurus orientalis	Bates et al., 2014; Branch, 1988
Platysaurus pungweensis	Aaron Bauer (pers.obs.); Branch, 1988
Platysaurus relictus	Bates et al., 2014; Branch, 1988
Platysaurus torquatus	Aaron Bauer (pers.obs.); Branch, 1988
Podarcis vaucheri	Roberto Sindaco (pers.comm.); IUCN
Poromera fordii	Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Pristurus adrarensis	Trape et al., 2012; IUCN
Pristurus crucifer	Sindaco and Jeremcenko, 2008; IUCN
Pristurus flavipunctatus	Roberto Sindaco (pers.comm.); IUCN; Largen & Spawls, 2010
Pristurus phillipsii	Lanza, 1983; VertNet
Pristurus rupestris	Roberto Sindaco (pers.comm.); IUCN; Sindaco & Jeremcenko, 2008
Pristurus simonettai	Lanza, 1983
Pristurus somalicus	Largen & Spawls, 2010
Proscelotes aenea	Aaron Bauer & Don Broadley (pers.obs.)
Proscelotes arnoldi	Aaron Bauer (pers.obs.); Branch, 1988
Proscelotes eggeli	Spawls et al., 2002
Psammodromus algirus	Roberto Sindaco (pers.comm.); IUCN
Psammodromus blanci	Roberto Sindaco (pers.comm.); IUCN
Psammodromus hispanicus	Silero et al., 2014
Psammodromus microdactylus	Roberto Sindaco (pers.comm.); IUCN
Pseuderemias brenneri	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Lanza, 1983; Largen & Spawls, 2010
Pseuderemias erythrosticta	Lanza, 1983
Pseuderemias mucronata	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Largen & Spawls, 2010
Pseuderemias savagei	Lanza, 1983; VertNet
Pseuderemias septemstriata	Lanza, 1983
Pseuderemias smithii	Largen & Spawls, 2010
Pseuderemias striatus	IUCN; VertNet
Pseudocordylus langi	Bates et al., 2014; Branch, 1988
Pseudocordylus melanotus	Bates et al., 2014; Branch, 1988; GBIF
Pseudocordylus microlepidotus	Bates et al., 2014; Branch, 1988
Pseudocordylus spinosus	Bates et al., 2014; Branch, 1988
Pseudocordylus subviridis	Bates et al., 2014; Branch, 1988; VertNet
Pseudocordylus transvaalensis	Bates et al., 2014; Branch, 1988
Pseudotrapelus chlodnickii	Melnikov et al., 2015
Pseudotrapelus sinaitus	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum

Species	**Source**
Ptenopus carpi	Branch, 1988; VertNet
Ptenopus garrulous	Aaron Bauer (pers.obs.); Branch, 1988
Ptenopus kochi	Branch, 1988
Ptyodactylus guttatus	Roberto Sindaco (pers.comm.); Steinhardt/TAU Museum
Ptyodactylus hasselquistii	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Ptyodactylus oudrii	Roberto Sindaco (pers.comm.); IUCN
Ptyodactylus ragazzii	Baha El Din, 2006; Schleich et al., 1996; Sindaco & Jeremcenko, 2008
Quedenfeldtia moerens	Roberto Sindaco (pers.comm.); IUCN
Quedenfeldtia trachyblepharus	Roberto Sindaco (pers.comm.); IUCN
Ramigekko swartbergensis	Bates et al., 2014; Branch, 1988
Rhampholeon acuminatus	Spawls et al., 2002
Rhampholeon beraduccii	Spawls et al., 2002
Rhampholeon boulengeri	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Rhampholeon bruessoworum	Branch et al., 2014
Rhampholeon chapmanorum	Branch et al., 2014
Rhampholeon gorongosae	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Rhampholeon hattinghi	Tilbury & Tolley, 2015
Rhampholeon marshalli	Aaron Bauer (pers.obs.); Branch, 1988
Rhampholeon maspictus	Branch et al., 2014
Rhampholeon moyeri	Spawls et al., 2002
Rhampholeon nchisiensis	Aaron Bauer & Don Broadley (pers.obs.); Spawls et al., 2002; GBIF
Rhampholeon nebulauctor	Branch et al., 2014
Rhampholeon platyceps	Aaron Bauer & Don Broadley (pers.obs.)
Rhampholeon spectrum	Trape et al., 2012; Laurent Chirio (pers.obs.); VertNet
Rhampholeon spinosus	IUCN; Tilbury, 2010
Rhampholeon temporalis	Spawls et al., 2002
Rhampholeon tilburyi	Branch et al., 2014
Rhampholeon uluguruensis	Branch, 2014; Spawls et al., 2002
Rhampholeon viridis	Branch, 2014; Spawls et al., 2002
Rhoptropella ocellata	Bates et al., 2014; Branch, 1988
Rhoptropus afer	Aaron Bauer (pers.obs.)
Rhoptropus barnardi	Aaron Bauer (pers.obs.)
Rhoptropus benguellensis	Aaron Bauer (pers.obs.)
Rhoptropus biporosus	Aaron Bauer (pers.obs.)
Rhoptropus boultoni	Aaron Bauer (pers.obs.)
Rhoptropus bradfieldi	Aaron Bauer (pers.obs.); Branch, 1988
Rhoptropus diporus	Aaron Bauer (pers.obs.)
Rhoptropus montanus	Aaron Bauer (pers.obs.)

Species	**Source**
Rhoptropus taeniostictus	Aaron Bauer (pers.obs.)
Rieppeleon brachyurus	Aaron Bauer & Don Broadley (pers.obs.); Spawls et al., 2002; Zoltán Nagy (pers.obs)
Rieppeleon brevicaudatus	Spawls et al., 2002
Rieppeleon kerstenii	Tilbury, 2010
Saurodactylus fasciatus	Roberto Sindaco (pers.comm.); IUCN
Saurodactylus mauritanicus	Roberto Sindaco (pers.comm.); IUCN
Scelotes anguineus	Bates et al., 2014; Branch, 1988
Scelotes arenicolus	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988; GBIF
Scelotes bidigittatus	Bates et al., 2014; Branch, 1988
Scelotes bipes	Bates et al., 2014; Branch, 1988
Scelotes bourquini	Branch, 1988
Scelotes caffer	Bates et al., 2014; Branch, 1988
Scelotes capensis	Bates et al., 2014; Branch, 1988
Scelotes fitzsimonsi	Branch, 1988
Scelotes gronovii	Branch, 1988
Scelotes guentheri	Bates et al., 2014; Branch, 1988
Scelotes inornatus	Bates et al., 2014; IUCN
Scelotes insularis	Branch, 1988
Scelotes kasneri	Branch, 1988
Scelotes limpopoensis	Aaron Bauer (pers.obs.); Branch, 1988
Scelotes mirus	Bates et al., 2014; Branch, 1988
Scelotes montispectus	Bates et al., 2014
Scelotes mossambicus	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988; GBIF
Scelotes poensis	Powells, 2010
Scelotes sexlineatus	Bates et al., 2014; Branch, 1988
Scelotes uluguruensis	Spawls et al., 2002
Scelotes vestigifer	Branch, 1988
Scincella melanosticta	Stuart & Emmett, 2006
Scincopus fasciatus	Roberto Sindaco (pers.comm.); Aaron Bauer (pers.obs.); VertNet
Scincus albifasciatus	Roberto Sindaco (pers.comm.); VertNet
Scincus scincus	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Scolecoseps acontias	IUCN; Spawls et al., 2002
Scolecoseps boulengeri	Aaron Bauer (pers.obs.)
Scolecoseps litipoensis	Spawls et al., 2002
Sepsina alberti	Branch, 1988
Sepsina angolensis	Aaron Bauer & Don Broadley (pers.obs.)

Species	**Source**
Sepsina bayoni	Aaron Bauer (pers.obs.); GBIF
Sepsina copei	Aaron Bauer (pers.obs.); Bocage, 1895
Sepsina tetradactyla	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Smaug barbertonensis	Stanley & Bates, 2014
Smaug breyeri	Bates et al., 2014; Branch, 1988
Smaug depressus	Stanley & Bates, 2014
Smaug giganteus	Bates et al., 2014; Branch, 1988
Smaug mossambicus	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Smaug regius	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Smaug vandami	Bates et al., 2014; Stanley & Bates, 2014
Smaug warreni	Stanley & Bates, 2014; GBIF
Sphenomorphus maculatus	Stuart and Emmett, 2006
Stellagama stellio	Roberto Sindaco (pers.comm.); Steinhardt/TAU Museum
Stenodactylus doriae	Roberto Sindaco (pers.comm.); IUCN
Stenodactylus mauritanicus	Baha El Din, 2006; Aaron Bauer (pers.obs.); VertNet
Stenodactylus petrii	Baha El Din, 2006; Steinhardt/TAU Museum
Stenodactylus stenurus	Aaron Bauer (pers.obs.); Kratochvil et al., 2001
Stenodactylus sthenodactylus	Baha El Din, 2006; Aaron Bauer (pers.obs.); Steinhardt/TAU Museum
Tarentola annularis	Baha El Din, 2006; Sindaco & Jeremcenko, 2008
Tarentola boehmei	Roberto Sindaco (pers.comm.); IUCN
Tarentola chazaliae	Roberto Sindaco (pers.comm.); IUCN; VertNet
Tarentola deserti	Roberto Sindaco (pers.comm.); IUCN; MCZ-R-131086
Tarentola ephippiata	Roberto Sindaco (pers.comm.); Trape et al., 2012; VertNet
Tarentola fascicularis	Schleich et al., 1996; Werner, 1909
Tarentola mauritanica	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Tarentola mindiae	Roberto Sindaco (pers.comm.); IUCN; Bshaena & Joger, 2011
Tarentola neglecta	Roberto Sindaco (pers.comm.); Aaron Bauer (pers.obs.); Bshaena & Joger, 2013
Tarentola parvicarinata	Trape et al., 2012; VertNet
Tarentola pastoria	Trape et al., 2012; IUCN
Teira perspicillata	Roberto Sindaco (pers.comm.); IUCN
Tetradactylus africanus	Bates et al., 2014; Branch, 1988
Tetradactylus breyeri	Bates et al., 2014; Branch, 1988
Tetradactylus eastwoodae	IUCN
Tetradactylus ellenbergeri	Aaron Bauer & Don Broadley (pers.obs.); Aaron Bauer (pers.obs.); Zoltán Nagy (pers.obs)
Tetradactylus seps	Bates et al., 2014; Branch, 1988

Species	**Source**
Tetradactylus tetradactylus	Bates et al., 2014; Branch, 1988
Tetradactylus udzungwensis	Salvidio et al., 2004
Timon pater	IUCN
Timon tangitanus	IUCN; Mateo et al., 2004
Trachylepis acutilabris	Aaron Bauer (pers.obs.)
Trachylepis affinis	Trape et al., 2012; Aaron Bauer (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Trachylepis albilabris	Laurent Chirio (pers.obs.); Laurent Chirio (pers.obs.); Carlino & Pauwels, 2015
Trachylepis albotaeniata	Broadley, 2000
Trachylepis angolensis	Aaron Bauer (pers.obs.); Monard, 1937
Trachylepis aurata	Roberto Sindaco (pers.comm.); Largen & Spawls, 2010
Trachylepis aureogularis	Trape et al., 2012; IUCN
Trachylepis bayonii	Aaron Bauer (pers.obs.); Bocage, 1895
Trachylepis bensonii	Trape et al., 2012; IUCN
Trachylepis binotata	Aaron Bauer (pers.obs.); Transvaal Museum
Trachylepis bocagii	Aaron Bauer (pers.obs.)
Trachylepis boulengeri	Aaron Bauer (pers.obs.); Branch, 1988; GBIF
Trachylepis brauni	Aaron Bauer & Don Broadley (pers.obs.); Spawls et al., 2002
Trachylepis brevicollis	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); IUCN; Sindaco & Jeremcenko, 2008
Trachylepis buettneri	Trape et al., 2012; Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Trachylepis capensis	Aaron Bauer (pers.obs.); Branch, 1988
Trachylepis chimbana	Aaron Bauer (pers.obs.); Bocage, 1895
Trachylepis depressa	Aaron Bauer (pers.obs.); Branch, 1988; GBIF
Trachylepis dichroma	Branch, 2014; Wasonga & Malonza, 2006
Trachylepis ferrarai	Lanza, 1983
Trachylepis hemmingi	Lanza, 1983
Trachylepis hildebrandtii	Lanza, 1983; Largen & Spawls, 2010
Trachylepis hoeschi	Aaron Bauer (pers.obs.)
Trachylepis homalocephala	Bates et al., 2014; Branch, 1988
Trachylepis irregularis	Branch, 2005; Spawls et al., 2002
Trachylepis ivensii	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Manacas, 1963
Trachylepis lacertiformis	Aaron Bauer (pers.obs.)
Trachylepis laevis	Aaron Bauer (pers.obs.)
Trachylepis loluiensis	Kingdon & Spawls, 2010
Trachylepis maculilabris	Aaron Bauer & Don Broadley (pers.obs.); Bocage, 1895
Trachylepis makolowodei	Laurent Chirio (pers.obs.)

Species	Source
Trachylepis margaritifera	Aaron Bauer & Don Broadley (pers.obs.); Aaron Bauer & Don Broadley (pers.obs.); GBIF
Trachylepis megalura	Aaron Bauer & Don Broadley (pers.obs.); Zoltán Nagy (pers.obs)
Trachylepis mekuana	Laurent Chirio (pers.obs.)
Trachylepis mlanjensis	Broadley, 2000
Trachylepis nganghae	Laurent Chirio (pers.obs.)
Trachylepis occidentalis	Aaron Bauer & Don Broadley (pers.obs.); Bocage, 1895
Trachylepis pendeana	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.)
Trachylepis perrotetii	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Trachylepis planifrons	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Spawls et al., 2002
Trachylepis polytropis	Trape et al., 2012; Laurent Chirio (pers.obs.)
Trachylepis pulcherrima	Aaron Bauer & Don Broadley (pers.obs.); Laurent Chirio (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Trachylepis punctatissima	Aaron Bauer (pers.obs.); Branch, 1988
Trachylepis punctulata	Aaron Bauer (pers.obs.)
Trachylepis quinquetaeniata	Roberto Sindaco (pers.comm.); Aaron Bauer (pers.obs.); Zoltán Nagy (pers.obs)
Trachylepis rodenburgi	Trape et al., 2012
Trachylepis sparsa	Aaron Bauer & Don Broadley (pers.obs.); Branch, 1988
Trachylepis spilogaster	Aaron Bauer & Don Broadley (pers.obs.)
Trachylepis striata	Aaron Bauer (pers.obs.)
Trachylepis sulcata	Bates et al., 2014; Aaron Bauer (pers.obs.)
Trachylepis varia	Aaron Bauer (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Trachylepis variegata	Bates et al., 2014; Branch, 1988
Trachylepis vittata	Roberto Sindaco (pers.comm.); IUCN; Vinciguerra, 1927
Trachylepis wingati	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Largen & Spawls, 2010
Trapelus agnetae	Wagner 2013 (pers.comm.); Steinhardt/TAU Museum
Trapelus boehmei	Schleich et al., 1996; Wagner et al., 2011
Trapelus mutabilis	Wagner 2013 (pers.comm.); Aaron Bauer (pers.obs.); VertNet
Trapelus savignii	Steinhardt/TAU Museum
Trapelus schmitzi	Trape et al., 2012; IUCN
Trapelus tournevillei	Roberto Sindaco (pers.comm.); IUCN
Trioceros affinis	Tilbury, 2010
Trioceros balebicornutus	Largen & Spawls, 2010

Species	Source
Trioceros bitaeniatus	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Zoltán Nagy (pers.obs)
Trioceros camerunensis	Laurent Chirio (pers.obs.)
Trioceros chapini	Laurent Chirio (pers.obs.)
Trioceros conirostratus	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Stipala et al., 2012
Trioceros cristatus	Trape et al., 2012; Laurent Chirio (pers.obs.); Carlino & Pauwels, 2015
Trioceros deremensis	Spawls et al., 2002; Tilbury, 2010
Trioceros eisentrauti	Laurent Chirio (pers.obs.)
Trioceros ellioti	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Zoltán Nagy (pers.obs)
Trioceros feae	IUCN
Trioceros fuelleborni	Tilbury, 2010
Trioceros goetzei	Aaron Bauer & Don Broadley (pers.obs.); Spawls et al., 2002; Tilbury, 2010
Trioceros hanangensis	Krause & Bohme, 2010
Trioceros harennae	Largen & Spawls, 2010
Trioceros hoehnelii	Spawls et al., 2002; Stipala et al., 2012
Trioceros incornutus	Spawls et al., 2002
Trioceros ituriensis	Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Trioceros jacksonii	Branch, 2005; Tilbury, 2010
Trioceros johnstoni	Laurent Chirio (pers.obs.); GBIF
Trioceros kinangopensis	Stipala et al., 2012
Trioceros kinetensis	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.)
Trioceros laterispinis	Spawls et al., 2002; Tilbury, 2010
Trioceros marsabitensis	Spawls et al., 2002
Trioceros melleri	Aaron Bauer & Don Broadley (pers.obs.); Spawls et al., 2002; VertNet
Trioceros montium	Laurent Chirio (pers.obs.); IUCN
Trioceros narraioca	Tilbury, 2010
Trioceros ntunte	Tilbury, 2010
Trioceros nyirit	Stipala et al., 2012
Trioceros oweni	Trape et al., 2012; Aaron Bauer (pers.obs.); Zoltán Nagy & Danny Mierte (pers.obs.)
Trioceros perreti	Chirio & LeBreton, 2007
Trioceros pfefferi	Laurent Chirio (pers.obs.)
Trioceros quadricornis	Trape et al., 2012
Trioceros rudis	Laurent Chirio, Matthew LeBreton & Jean-Francois Trape (pers.obs.); Zoltán Nagy (pers.obs)
Trioceros schoutedeni	Laurent Chirio (pers.obs.); Tilbury, 2010

Species	Source
Trioceros schubotzi	Branch, 2005; Stipala et al., 2012
Trioceros serratus	Trape et al., 2012
Trioceros sternfeldi	Tilbury, 2010
Trioceros tempeli	Spawls et al., 2002
Trioceros werneri	Tilbury, 2010
Trioceros wiedersheimi	Trape et al., 2012; IUCN
Tropidosaura cottrelli	IUCN
Tropidosaura essexi	Bates et al., 2014
Tropidosaura gularis	Bates et al., 2014; Branch, 1988
Tropidosaura montana	Bates et al., 2014; Branch, 1988
Tropiocolotes algericus	Trape et al., 2012
Tropiocolotes bisharicus	Roberto Sindaco (pers.comm.)
Tropiocolotes nattereri	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Tropiocolotes nubicus	Roberto Sindaco (pers.comm.); IUCN; VertNet
Tropiocolotes somalicus	Roberto Sindaco (pers.comm.); Sindaco, 2006
Tropiocolotes steudneri	Roberto Sindaco (pers.comm.); Aaron Bauer (pers.obs.); VertNet
Tropiocolotes tripolitanus	Roberto Sindaco (pers.comm.); Aaron Bauer (pers.obs.); Steinhardt/TAU Museum
Typhlacontias brevipes	Branch, 1988
Typhlacontias gracilis	Aaron Bauer & Don Broadley (pers.obs.); GBIF
Typhlacontias johnsonii	Aaron Bauer (pers.obs.)
Typhlacontias kataviensis	Broadley et al., 2006
Typhlacontias punctatissimus	Aaron Bauer (pers.obs.); GBIF
Typhlacontias rohani	Aaron Bauer (pers.obs.)
Typhlacontias rudebecki	Aaron Bauer (pers.obs.)
Typhlosaurus braini	Branch, 1988
Typhlosaurus caecus	Bates et al., 2014; IUCN
Typhlosaurus lomiae	Bates et al., 2014; Branch, 1988
Typhlosaurus meyeri	Bates et al., 2014; Branch, 1988
Typhlosaurus vermis	Bates et al., 2014; Branch, 1988
Urocotyledon palmata	Laurent Chirio (pers.obs.); Carlino & Pauwels, 2015
Urocotyledon rasmusseni	Bauer & Menegon, 2006
Urocotyledon weileri	Laurent Chirio (pers.obs.); IUCN
Urocotyledon wolterstorffi	Spawls et al., 2002
Uromastyx acanthinura	Wilms & Bohme, 2001; VertNet
Uromastyx aegyptia	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Uromastyx alfredschmidti	Wilms, 2005
Uromastyx dispar	Roberto Sindaco (pers.comm.); Wilms, 2005; VertNet

Species	Source
Uromastyx geyri	Roberto Sindaco (pers.comm.); Wilms, 2005; VertNet
Uromastyx macfadyeni	Roberto Sindaco (pers.comm.); Wilms, 2005; VertNet
Uromastyx nigriventris	Wilms & Bohme, 2001
Uromastyx occidentalis	Wilms, 2005
Uromastyx ocellata	Roberto Sindaco (pers.comm.); Wilms, 2005; Sindaco & Jeremcenko, 2008
Uromastyx ornata	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Uromastyx princeps	Roberto Sindaco (pers.comm.);Wilms, 2005; Largen & Spawls, 2010
Varanus albigularis	Aaron Bauer (pers.obs.); Pianka & King, 2014
Varanus exanthematicus	Trape et al., 2012; Laurent Chirio (pers.obs.); Largen & Spawls, 2010
Varanus griseus	Roberto Sindaco (pers.comm.); IUCN; Steinhardt/TAU Museum
Varanus niloticus	Aaron Bauer (pers.obs.)
Varanus ornatus	Trape et al., 2012; Laurent Chirio (pers.obs.); Zoltán Nagy (pers.obs)
Vhembelacerta rupicola	Branch, 1988
Xenagama batillifera	Wagner et al., 2013b
Xenagama taylori	Macey et al., 2006; Wagner et al., 2013b
Xenagama wilmsi	Wagner et al., 2013b
Xenagama zonura	Wagner et al., 2013b

*****_Hemidactylus brookii_ in Africa may refer to _Hemidactylus angulatus_.

Appendix S1d. African snake species distribution data.

Binomial	Source
Aeluroglena cucullata	Largen & Spawls, 2010
Afronatrix anoscopus	Chippaux, 2006
Afrotyphlops angolensis	Aaron Bauer (pers.obs.)
Afrotyphlops anomalus	Aaron Bauer (pers.obs.)
Afrotyphlops bibronii	Marais, 2004
Afrotyphlops blanfordii	IUCN
Afrotyphlops brevis	Aaron Bauer (pers.obs.)
Afrotyphlops congestus	Danny Meirte (pers.obs.)
Afrotyphlops decorosus	Broadley & Wallch, 2007a
Afrotyphlops fornasinii	Marais, 2004
Afrotyphlops gierrai	Danny Meirte (pers.obs.)
Afrotyphlops kaimosae	Broadley & Wallach, 2009

Binomial	**Source**
Afrotyphlops liberiensis	Jean-Francois Trape (pers.obs.)
Afrotyphlops lineolatus	Aaron Bauer (pers.obs.)
Afrotyphlops manni	IUCN
Afrotyphlops mucruso	Aaron Bauer (pers.obs.)
Afrotyphlops nanus	Broadley & Wallach, 2009
Afrotyphlops nigrocandidus	Broadley & Wallach, 2009
Afrotyphlops obtusus	Danny Meirte (pers.obs.)
Afrotyphlops punctatus	Aaron Bauer (pers.obs.)
Afrotyphlops rondoensis	Danny Meirte (pers.obs.)
Afrotyphlops schlegelii	Aaron Bauer (pers.obs.)
Afrotyphlops schmidti	Aaron Bauer (pers.obs.)
Afrotyphlops steinhausi	Danny Meirte (pers.obs.)
Afrotyphlops tanganicanus	Spawls et al., 2004
Afrotyphlops usambaricus	Spawls et al., 2004
Amblyodipsas concolor	Marais, 2004
Amblyodipsas dimidiata	Spawls et al., 2004
Amblyodipsas katangensis	Aaron Bauer (pers.obs.)
Amblyodipsas microphthalma	Aaron Bauer (pers.obs.)
Amblyodipsas polylepis	Aaron Bauer (pers.obs.)
Amblyodipsas rodhaini	IUCN
Amblyodipsas teitana	Spawls et al., 2004
Amblyodipsas unicolor	Chippaux, 2006
Amblyodipsas ventrimaculata	Aaron Bauer (pers.obs.)
Amplorhinus multimaculatus	Aaron Bauer (pers.obs.)
Aparallactus capensis	Aaron Bauer (pers.obs.)
Aparallactus guentheri	Aaron Bauer (pers.obs.)
Aparallactus jacksonii	Danny Meirte (pers.obs.)
Aparallactus lineatus	IUCN
Aparallactus lunulatus	Danny Meirte (pers.obs.)
Aparallactus modestus	Chippaux, 2006
Aparallactus moeruensis	Danny Meirte (pers.obs.)
Aparallactus niger	IUCN
Aparallactus nigriceps	Aaron Bauer (pers.obs.)
Aparallactus turneri	Spawls et al., 2004
Aparallactus werneri	Danny Meirte (pers.obs.)
Aprosdoketophis andreonei	Wallach et al., 2010
Aspidelaps lubricus	Aaron Bauer (pers.obs.)
Aspidelaps scutatus	Aaron Bauer (pers.obs.)
Atheris acuminata	Spawls et al., 2004
Atheris barbouri	Danny Meirte (pers.obs.)
Atheris broadleyi	Dobiey & Vogel, 2007
Atheris ceratophora	Spawls et al., 2004

Binomial	**Source**
Atheris chlorechis	Chippaux, 2006
Atheris desaixi	Spawls et al., 2004
Atheris hirsuta	Chippaux, 2006
Atheris hispida	Dobiey & Vogel, 2007
Atheris katangensis	Dobiey & Vogel, 2007
Atheris mabuensis	Aaron Bauer (pers.obs.)
Atheris nitschei	Danny Meirte (pers.obs.)
Atheris rungweensis	Spawls et al., 2004
Atheris squamigera	Danny Meirte (pers.obs.)
Atheris subocularis	Chippaux, 2006
Atractaspis aterrima	Dobiey & Vogel, 2007
Atractaspis battersbyi	Danny Meirte (pers.obs.)
Atractaspis bibronii	Dobiey & Vogel, 2007
Atractaspis boulengeri	Aaron Bauer (pers.obs.)
Atractaspis congica	Dobiey & Vogel, 2007
Atractaspis corpulenta	Danny Meirte (pers.obs.)
Atractaspis dahomeyensis	Danny Meirte (pers.obs.)
Atractaspis duerdeni	Marais, 2004
Atractaspis engaddensis	IUCN
Atractaspis engdahli	Spawls et al., 2004
Atractaspis fallax	Spawls et al., 2004
Atractaspis irregularis	Danny Meirte (pers.obs.)
Atractaspis leucomelas	Dobiey & Vogel, 2007
Atractaspis magrettii	Dobiey & Vogel, 2007
Atractaspis microlepidota	Spawls et al., 2004
Atractaspis micropholis	Danny Meirte (pers.obs.)
Atractaspis phillipsi	Dobiey & Vogel, 2007
Atractaspis reticulata	Dobiey & Vogel, 2007
Atractaspis scorteccii	Dobiey & Vogel, 2007
Atractaspis watsoni	Dobiey & Vogel, 2007
Bamanophis dorri	Danny Meirte (pers.obs.)
Bitis albanica	Marais, 2004
Bitis arietans	Danny Meirte (pers.obs.)
Bitis armata	Marais, 2004
Bitis atropos	IUCN
Bitis caudalis	Aaron Bauer (pers.obs.)
Bitis cornuta	Marais, 2004
Bitis gabonica	Spawls et al., 2004
Bitis heraldica	Dobiey & Vogel, 2007
Bitis inornata	Marais, 2004
Bitis nasicornis	Spawls et al., 2004
Bitis parviocula	Dobiey & Vogel, 2007

Binomial	**Source**
Bitis peringueyi	Aaron Bauer (pers.obs.)
Bitis rhinoceros	IUCN
Bitis rubida	Marais, 2004
Bitis schneideri	Marais, 2004
Bitis worthingtoni	Spawls et al., 2004
Bitis xeropaga	Marais, 2004
Boaedon capensis	Aaron Bauer (pers.obs.)
Boaedon fuliginosus	Danny Meirte (pers.obs.)
Boaedon lineatus	Danny Meirte (pers.obs.)
Boaedon maculatus	Largen & Spawls, 2010
Boaedon olivaceus	Spawls et al., 2004
Boaedon radfordi	Danny Meirte (pers.obs.)
Boaedon upembae	Danny Meirte (pers.obs.)
Boaedon virgatus	Danny Meirte (pers.obs.)
Bothrolycus ater	GBIF
Bothrophthalmus brunneus	Chirio & Lebreton, 2007
Bothrophthalmus lineatus	Spawls et al., 2004
Brachyophis revoili	Lanza, 1996
Buhoma depressiceps	Danny Meirte (pers.obs.)
Buhoma procterae	Spawls et al., 2004
Buhoma vauerocegae	Danny Meirte (pers.obs.)
Calabaria reinhardtii	Danny Meirte (pers.obs.)
Causus bilineatus	Aaron Bauer (pers.obs.)
Causus defilippii	Danny Meirte (pers.obs.)
Causus lichtensteinii	Spawls et al., 2004
Causus maculatus	Aaron Bauer (pers.obs.)
Causus rasmusseni	Broadley, 2014
Causus resimus	Danny Meirte (pers.obs.)
Causus rhombeatus	Aaron Bauer (pers.obs.)
Cerastes boehmei	Sindaco et al., 2013
Cerastes cerastes	David & Vogel, 2010
Cerastes gasperettii	David & Vogel, 2010
Cerastes vipera	Chippaux, 2006
Chamaelycus christyi	Danny Meirte (pers.obs.)
Chamaelycus fasciatus	Danny Meirte (pers.obs.)
Chamaelycus parkeri	Danny Meirte (pers.obs.)
Chilorhinophis butleri	Danny Meirte (pers.obs.)
Chilorhinophis gerardi	Danny Meirte (pers.obs.)
Coluber zebrinus	Marais, 2004
Coronella girondica	IUCN
Crotaphopeltis barotseensis	Aaron Bauer (pers.obs.)
Crotaphopeltis braestrupi	Spawls et al., 2004

Binomial	**Source**
Crotaphopeltis degeni	Spawls et al., 2004
Crotaphopeltis hippocrepis	Danny Meirte (pers.obs.)
Crotaphopeltis hotamboeia	Laurent Chirio (pers.obs.)
Crotaphopeltis tornieri	Spawls et al., 2004
Daboia deserti	IUCN
Daboia mauritanica	IUCN
Dasypeltis abyssina	Schillert, 2015
Dasypeltis atra	Spawls et al., 2004
Dasypeltis confusa	Laurent Chirio (pers.obs.)
Dasypeltis fasciata	Danny Meirte (pers.obs.)
Dasypeltis gansi	Chirio & Lebreton, 2007
Dasypeltis inornata	Marais, 2004
Dasypeltis latericia	IUCN
Dasypeltis medici	Aaron Bauer (pers.obs.)
Dasypeltis palmarum	Aaron Bauer (pers.obs.)
Dasypeltis parascabra	Trape et al., 2012b
Dasypeltis sahelensis	Laurent Chirio (pers.obs.)
Dasypeltis scabra	Spawls et al., 2004
Dendroaspis angusticeps	Spawls et al., 2004
Dendroaspis jamesoni	Spawls et al., 2004
Dendroaspis polylepis	Dobiey & Vogel, 2007
Dendroaspis viridis	Danny Meirte (pers.obs.)
Dendrolycus elapoides	Danny Meirte (pers.obs.)
Dipsadoboa aulica	Marais, 2004
Dipsadoboa brevirostris	Danny Meirte (pers.obs.)
Dipsadoboa duchesnii	Danny Meirte (pers.obs.)
Dipsadoboa flavida	Spawls et al., 2004
Dipsadoboa shrevei	Danny Meirte (pers.obs.)
Dipsadoboa underwoodi	Danny Meirte (pers.obs.)
Dipsadoboa unicolor	Spawls et al., 2004
Dipsadoboa viridis	Danny Meirte (pers.obs.)
Dipsadoboa weileri	Danny Meirte (pers.obs.)
Dipsadoboa werneri	Spawls et al., 2004
Dipsina multimaculata	Marais, 2004
Dispholidus typus	Danny Meirte (pers.obs.)
Dolichophis jugularis	IUCN
Duberria lutrix	Danny Meirte (pers.obs.)
Duberria rhodesiana	Marais, 2004
Duberria shirana	Danny Meirte (pers.obs.)
Duberria variegata	Marais, 2004
Echis coloratus	David & Vogel, 2010
Echis hughesi	IUCN

Binomial	**Source**
Echis jogeri	IUCN
Echis leucogaster	Danny Meirte (pers.obs.)
Echis ocellatus	Chippaux, 2006
Echis pyramidum	Spawls et al., 2004
Eirenis africana	Largen & Spawls, 2010
Eirenis coronella	IUCN
Eirenis coronelloides	IUCN
Elapsoidea boulengeri	Spawls et al., 2004
Elapsoidea broadleyi	Dobiey & Vogel, 2007
Elapsoidea chelazziorum	Dobiey & Vogel, 2007
Elapsoidea guentherii	Danny Meirte (pers.obs.)
Elapsoidea laticincta	Danny Meirte (pers.obs.)
Elapsoidea loveridgei	Spawls et al., 2004
Elapsoidea nigra	Spawls et al., 2004
Elapsoidea semiannulata	Dobiey & Vogel, 2007
Elapsoidea sundevallii	Marais, 2004
Elapsoidea trapei	Chippaux, 2006
Epacrophis boulengeri	Spawls et al., 2004
Epacrophis drewesi	Spawls et al., 2004
Epacrophis reticulatus	Broadley & Wallach, 2007b
Eryx borrii	Lanza & Nistri, 2005
Eryx colubrinus	Spawls et al., 2004
Eryx jaculus	IUCN
Eryx muelleri	Chippaux, 2006
Eryx somalicus	Largen & Spawls, 2010
Gonionotophis brussauxi	Danny Meirte (pers.obs.)
Gonionotophis capensis	Spawls et al., 2004
Gonionotophis chanleri	Danny Meirte (pers.obs.)
Gonionotophis crossi	Danny Meirte (pers.obs.)
Gonionotophis egbensis	Chippaux, 2006
Gonionotophis gabouensis	Chippaux, 2006
Gonionotophis grantii	IUCN
Gonionotophis guirali	Danny Meirte (pers.obs.)
Gonionotophis klingi	Chippaux, 2006
Gonionotophis laurenti	Danny Meirte (pers.obs.)
Gonionotophis nyassae	IUCN
Gonionotophis poensis	Spawls et al., 2004
Gonionotophis savorgnani	Danny Meirte (pers.obs.)
Gonionotophis stenophthalmus	Danny Meirte (pers.obs.)
Gonionotophis vernayi	Marais, 2004
Grayia caesar	Danny Meirte (pers.obs.)
Grayia ornata	Danny Meirte (pers.obs.)

Binomial	**Source**
Grayia smithii	Danny Meirte (pers.obs.)
Grayia tholloni	Spawls et al., 2004
Hapsidophrys lineatus	Spawls et al., 2004
Hapsidophrys smaragdina	Danny Meirte (pers.obs.)
Helophis schoutedeni	Danny Meirte (pers.obs.)
Hemachatus haemachatus	Marais, 2004
Hemirhagerrhis hildebrandtii	Largen & Spawls, 2010
Hemirhagerrhis kelleri	Largen & Spawls, 2010
Hemirhagerrhis nototaenia	Danny Meirte (pers.obs.)
Hemirhagerrhis viperina	Aaron Bauer (pers.obs.)
Hemorrhois algirus	IUCN
Hemorrhois hippocrepis	IUCN
Hemorrhois nummifer	Sindaco et al., 2013
Homoroselaps dorsalis	Marais, 2004
Homoroselaps lacteus	Marais, 2004
Hormonotus modestus	Danny Meirte (pers.obs.)
Hydraethiops laevis	Chippaux, 2006
Hydraethiops melanogaster	Danny Meirte (pers.obs.)
Hypoptophis wilsonii	Danny Meirte (pers.obs.)
Inyoka swazicus	Marais, 2004
Lamprophis abyssinicus	Largen & Spawls, 2010
Lamprophis aurora	Aaron Bauer (pers.obs.)
Lamprophis erlangeri	Largen & Spawls, 2010
Lamprophis fiskii	Marais, 2004
Lamprophis fuscus	Marais, 2004
Lamprophis guttatus	Marais, 2004
Leptotyphlops aethiopicus	Largen & Spawls, 2010
Leptotyphlops conjunctus	Danny Meirte (pers.obs.)
Leptotyphlops distanti	Marais, 2004
Leptotyphlops emini	Spawls et al., 2004
Leptotyphlops howelli	Spawls et al., 2004
Leptotyphlops incognitus	Aaron Bauer (pers.obs.)
Leptotyphlops jacobseni	Marais, 2004
Leptotyphlops kafubi	Danny Meirte (pers.obs.)
Leptotyphlops keniensis	Broadley & Wallach, 2007b
Leptotyphlops latirostris	Danny Meirte (pers.obs.)
Leptotyphlops lepezi	Danny Meirte (pers.obs.)
Leptotyphlops macrops	Spawls et al., 2004
Leptotyphlops mbanjensis	Broadley & Wallach, 2007b
Leptotyphlops merkeri	Spawls et al., 2004
Leptotyphlops nigricans	Laurent Chirio (pers.obs.)
Leptotyphlops nigroterminus	Broadley & Wallach, 2007b

Binomial	**Source**
Leptotyphlops nursii	IUCN
Leptotyphlops pembae	Spawls et al., 2004
Leptotyphlops pungwensis	Broadley & Broadley, 1999
Leptotyphlops scutifrons	Aaron Bauer (pers.obs.)
Leptotyphlops sylvicolus	Marais, 2004
Leptotyphlops tanae	Aaron Bauer (pers.obs.)
Leptotyphlops telloi	Marais, 2004
Letheobia acutirostrata	Danny Meirte (pers.obs.)
Letheobia caeca	Chirio & Lebreton, 2007
Letheobia crossii	Danny Meirte (pers.obs.)
Letheobia debilis	Broadley & Wallch, 2007a
Letheobia erythraea	IUCN
Letheobia gracilis	Danny Meirte (pers.obs.)
Letheobia graueri	Danny Meirte (pers.obs.)
Letheobia jubana	Broadley & Wallch, 2007a
Letheobia kibarae	Broadley & Wallch, 2007a
Letheobia largeni	Largen & Spawls, 2010
Letheobia leucosticta	Jean-Francois Trape (pers.obs.)
Letheobia lumbriciformis	Spawls et al., 2004
Letheobia pallida	Spawls et al., 2004
Letheobia pauwelsi	Wallach, 2005
Letheobia pembana	Broadley & Wallch, 2007a
Letheobia praeocularis	IUCN
Letheobia rufescens	Danny Meirte (pers.obs.)
Letheobia somalica	Largen & Spawls, 2010
Letheobia stejnegeri	Danny Meirte (pers.obs.)
Letheobia sudanensis	Danny Meirte (pers.obs.)
Letheobia swahilica	Broadley & Wallch, 2007a
Letheobia toritensis	Broadley & Wallch, 2007a
Letheobia uluguruensis	Danny Meirte (pers.obs.)
Letheobia wittei	Broadley & Wallch, 2007a
Limnophis bangweolicus	Aaron Bauer (pers.obs.)
Limnophis bicolor	Danny Meirte (pers.obs.)
Lycodonomorphus bicolor	Danny Meirte (pers.obs.)
Lycodonomorphus inornatus	Danny Meirte (pers.obs.)
Lycodonomorphus laevissimus	Marais, 2004
Lycodonomorphus leleupi	Danny Meirte (pers.obs.)
Lycodonomorphus	Marais, 2004
Lycodonomorphus rufulus	Marais, 2004
Lycodonomorphus	Danny Meirte (pers.obs.)
Lycodonomorphus whytii	IUCN
Lycophidion acutirostre	IUCN

Binomial	**Source**
Lycophidion albomaculatum	IUCN
Lycophidion capense	Danny Meirte (pers.obs.)
Lycophidion depressirostre	Spawls et al., 2004
Lycophidion hellmichi	Aaron Bauer (pers.obs.)
Lycophidion irroratum	Danny Meirte (pers.obs.)
Lycophidion laterale	Danny Meirte (pers.obs.)
Lycophidion meleagris	Danny Meirte (pers.obs.)
Lycophidion multimaculatum	Danny Meirte (pers.obs.)
Lycophidion namibianum	Marais, 2004
Lycophidion nanus	IUCN
Lycophidion nigromaculatum	Chippaux, 2006
Lycophidion ornatum	Spawls et al., 2004
Lycophidion pembanum	Spawls et al., 2004
Lycophidion pygmaeum	Marais, 2004
Lycophidion semiannule	Danny Meirte (pers.obs.)
Lycophidion semicinctum	Danny Meirte (pers.obs.)
Lycophidion taylori	Spawls et al., 2004
Lycophidion uzungwense	Spawls et al., 2004
Lycophidion variegatum	Marais, 2004
Lytorhynchus diadema	Schleich et al., 1996
Macrelaps microlepidotus	Danny Meirte (pers.obs.)
Macroprotodon abubakeri	IUCN
Macroprotodon brevis	IUCN
Macroprotodon cucullatus	IUCN
Macroprotodon mauritanicus	Sindaco et al., 2013
Madatyphlops calabresii	Aaron Bauer (pers.obs.)
Madatyphlops cuneirostris	Aaron Bauer (pers.obs.)
Madatyphlops leucocephalus	Lanza, 1988
Madatyphlops platyrhynchus	Spawls et al., 2004
Malpolon insignitus	Sindaco et al., 2013
Malpolon monspessulanus	IUCN
Meizodon coronatus	Danny Meirte (pers.obs.)
Meizodon krameri	Spawls et al., 2004
Meizodon plumbiceps	IUCN
Meizodon regularis	Danny Meirte (pers.obs.)
Meizodon semiornatus	Spawls et al., 2004
Micrelaps bicoloratus	Spawls et al., 2004
Micrelaps boettgeri	Spawls et al., 2004
Micrelaps vaillanti	Largen & Spawls, 2010
Montaspis gilvomaculata	Marais, 2004
Montatheris hindii	Spawls et al., 2004
Myriopholis adleri	Chirio & Lebreton, 2007

Binomial	**Source**
Myriopholis albiventer	IUCN
Myriopholis algeriensis	IUCN
Myriopholis boueti	IUCN
Myriopholis braccianii	Broadley & Wallach, 2007b
Myriopholis cairi	Laurent Chirio (pers.obs.)
Myriopholis erythraeus	Broadley & Wallach, 2007b
Myriopholis ionidesi	Broadley & Wallach, 2007b
Myriopholis longicauda	Aaron Bauer (pers.obs.)
Myriopholis macrorhyncha	Spawls et al., 2004
Myriopholis narirostris	IUCN
Myriopholis natatrix	IUCN
Myriopholis perreti	Chirio & Lebreton, 2007
Myriopholis rouxestevae	IUCN
Naja anchietae	Dobiey & Vogel, 2007
Naja annulata	Dobiey & Vogel, 2007
Naja annulifera	Marais, 2004
Naja ashei	Largen & Spawls, 2010
Naja christyi	Chippaux, 2006
Naja haje	Danny Meirte (pers.obs.)
Naja katiensis	Chippaux, 2006
Naja melanoleuca	Spawls et al., 2004
Naja mossambica	Dobiey & Vogel, 2007
Naja multifasciata	Danny Meirte (pers.obs.)
Naja nigricincta	Dobiey & Vogel, 2007
Naja nigricollis	Spawls et al., 2004
Naja nivea	Marais, 2004
Naja nubiae	Chippaux, 2006
Naja pallida	Dobiey & Vogel, 2007
Naja senegalensis	IUCN
Namibiana gracilior	Marais, 2004
Namibiana labialis	Aaron Bauer (pers.obs.)
Namibiana latifrons	Aaron Bauer (pers.obs.)
Namibiana occidentalis	Marais, 2004
Namibiana rostrata	IUCN
Natriciteres bipostocularis	Aaron Bauer (pers.obs.)
Natriciteres fuliginoides	Danny Meirte (pers.obs.)
Natriciteres olivacea	Aaron Bauer (pers.obs.)
Natriciteres sylvatica	Aaron Bauer (pers.obs.)
Natriciteres variegata	Danny Meirte (pers.obs.)
Natrix maura	IUCN
Natrix natrix	Schleich et al., 1996
Natrix tessellata	IUCN

Binomial	**Source**
Philothamnus angolensis	Spawls et al., 2004
Philothamnus battersbyi	Danny Meirte (pers.obs.)
Philothamnus bequaerti	Spawls et al., 2004
Philothamnus carinatus	Spawls et al., 2004
Philothamnus dorsalis	Danny Meirte (pers.obs.)
Philothamnus heterodermus	Spawls et al., 2004
Philothamnus heterolepidotus	Danny Meirte (pers.obs.)
Philothamnus hoplogaster	Spawls et al., 2004
Philothamnus hughesi	Chippaux, 2006
Philothamnus irregularis	Laurent Chirio (pers.obs.)
Philothamnus macrops	Danny Meirte (pers.obs.)
Philothamnus natalensis	Danny Meirte (pers.obs.)
Philothamnus nitidus	Danny Meirte (pers.obs.)
Philothamnus ornatus	Danny Meirte (pers.obs.)
Philothamnus pobeguini	Jean-Francois Trape (pers.obs.)
Philothamnus punctatus	Danny Meirte (pers.obs.)
Philothamnus ruandae	Danny Meirte (pers.obs.)
Philothamnus semivariegatus	Spawls et al., 2004
Platyceps brevis	Spawls et al., 2004
Platyceps florulentus	Spawls et al., 2004
Platyceps karelini	IUCN
Platyceps messanai	Schätti & Charvet, 2003
Platyceps rhodorachis	IUCN
Platyceps sinai	IUCN
Platyceps somalicus	Largen & Spawls, 2010
Platyceps taylori	Largen & Spawls, 2010
Platyceps tessellata	Laurent Chirio (pers.obs.)
Poecilopholis cameronensis	Chirio & Lebreton, 2007
Polemon acanthias	Danny Meirte (pers.obs.)
Polemon barthii	IUCN
Polemon bocourti	Danny Meirte (pers.obs.)
Polemon christyi	Danny Meirte (pers.obs.)
Polemon collaris	Danny Meirte (pers.obs.)
Polemon fulvicollis	Chippaux, 2006
Polemon gabonensis	Chippaux, 2006
Polemon gracilis	Danny Meirte (pers.obs.)
Polemon griseiceps	Danny Meirte (pers.obs.)
Polemon neuwiedi	IUCN
Polemon notatus	Danny Meirte (pers.obs.)
Polemon robustus	Chippaux, 2006
Proatheris superciliaris	Marais, 2004
Prosymna ambigua	Chippaux, 2006

Binomial	**Source**
Prosymna angolensis	Aaron Bauer (pers.obs.)
Prosymna bivittata	Marais, 2004
Prosymna frontalis	Aaron Bauer (pers.obs.)
Prosymna greigerti	Chirio et al., 2011
Prosymna janii	IUCN
Prosymna lineata	Marais, 2004
Prosymna meleagris	IUCN
Prosymna ornatissima	Spawls et al., 2004
Prosymna pitmani	Aaron Bauer (pers.obs.)
Prosymna ruspolii	Largen & Spawls, 2010
Prosymna semifasciata	Spawls et al., 2004
Prosymna somalica	Largen & Spawls, 2010
Prosymna stuhlmanni	Aaron Bauer (pers.obs.)
Prosymna sundevalli	Marais, 2004
Prosymna visseri	Aaron Bauer (pers.obs.)
Psammophis aegyptius	Chippaux, 2006
Psammophis angolensis	Aaron Bauer (pers.obs.)
Psammophis ansorgii	Aaron Bauer (pers.obs.)
Psammophis biseriatus	Danny Meirte (pers.obs.)
Psammophis brevirostris	Kelly et al., 2008
Psammophis crucifer	Marais, 2004
Psammophis elegans	Chippaux, 2006
Psammophis jallae	Aaron Bauer (pers.obs.)
Psammophis leightoni	Marais, 2004
Psammophis leopardinus	Kelly et al., 2008
Psammophis lineatus	Danny Meirte (pers.obs.)
Psammophis mossambicus	Danny Meirte (pers.obs.)
Psammophis namibensis	Aaron Bauer (pers.obs.)
Psammophis notostictus	Aaron Bauer (pers.obs.)
Psammophis occidentalis	Danny Meirte (pers.obs.)
Psammophis orientalis	Kelly et al., 2008
Psammophis phillipsi	Chippaux, 2006
Psammophis praeornatus	Danny Meirte (pers.obs.)
Psammophis pulcher	Largen & Spawls, 2010
Psammophis punctulatus	Largen & Spawls, 2010
Psammophis rukwae	Danny Meirte (pers.obs.)
Psammophis schokari	Chippaux, 2006
Psammophis sibilans	Chippaux, 2006
Psammophis subtaeniatus	IUCN
Psammophis sudanensis	Chippaux, 2006
Psammophis tanganicus	Largen & Spawls, 2010
Psammophis trigrammus	Aaron Bauer (pers.obs.)

Binomial	**Source**
Psammophis trinasalis	Marais, 2004
Psammophis zambiensis	Aaron Bauer (pers.obs.)
Psammophylax acutus	Aaron Bauer (pers.obs.)
Psammophylax rhombeatus	Aaron Bauer (pers.obs.)
Psammophylax togoensis	Jean-Francois Trape (pers.obs.)
Psammophylax tritaeniatus	Aaron Bauer (pers.obs.)
Psammophylax variabilis	Broadley & Blaylock, 2013
Pseudaspis cana	Aaron Bauer (pers.obs.)
Pseudoboodon boehmei	Largen & Spawls, 2010
Pseudoboodon gascae	Largen & Spawls, 2010
Pseudoboodon lemniscatus	Largen & Spawls, 2010
Pseudoboodon sandfordorum	Largen & Spawls, 2010
Pseudocerastes fieldi	IUCN
Pseudohaje goldii	Chippaux, 2006
Pseudohaje nigra	IUCN
Python anchietae	Aaron Bauer (pers.obs.)
Python natalensis	Aaron Bauer (pers.obs.)
Python regius	Chippaux, 2006
Python sebae	Aaron Bauer (pers.obs.)
Pythonodipsas carinata	Aaron Bauer (pers.obs.)
Rhagerhis moilensis	Chippaux, 2006
Rhamnophis aethiopissa	Aaron Bauer (pers.obs.)
Rhamnophis batesii	Danny Meirte (pers.obs.)
Rhamphiophis oxyrhynchus	Chippaux, 2006
Rhamphiophis rostratus	Aaron Bauer (pers.obs.)
Rhamphiophis rubropunctatus	Largen & Spawls, 2010
Rhinoleptus koniagui	IUCN
Rhinoleptus parkeri	Largen & Spawls, 2010
Rhinotyphlops ataeniatus	Broadley & Wallch, 2007a
Rhinotyphlops boylei	Broadley & Wallach, 2009
Rhinotyphlops lalandei	Danny Meirte (pers.obs.)
Rhinotyphlops schinzi	Marais, 2004
Rhinotyphlops scortecci	Broadley & Wallach, 2007a
Rhinotyphlops unitaeniatus	Broadley & Wallach, 2007a
Rhynchocalamus	IUCN
Scaphiophis albopunctatus	Aaron Bauer (pers.obs.)
Scaphiophis raffreyi	Largen & Spawls, 2010
Spalerosophis diadema	Danny Meirte (pers.obs.)
Spalerosophis dolichospilus	IUCN
Spalerosophis josephscorteccii	Lanza, 1988
Telescopus beetzi	Marais, 2004
Telescopus dhara	Largen & Spawls, 2010

Binomial	**Source**
Telescopus finkeldeyi	Aaron Bauer (pers.obs.)
Telescopus gezirae	Laurent Chirio (pers.obs.)
Telescopus hoogstraali	IUCN
Telescopus pulcher	Largen & Spawls, 2010
Telescopus semiannulatus	Aaron Bauer (pers.obs.)
Telescopus tripolitanus	Chippaux, 2006
Telescopus variegatus	Chippaux, 2006
Thelotornis capensis	Danny Meirte (pers.obs.)
Thelotornis kirtlandii	Aaron Bauer (pers.obs.)
Thelotornis mossambicanus	Broadley, 2001
Thelotornis usambaricus	Broadley, 2001
Thrasops flavigularis	Aaron Bauer (pers.obs.)
Thrasops jacksonii	Aaron Bauer (pers.obs.)
Thrasops occidentalis	Danny Meirte (pers.obs.)
Thrasops schmidti	Broadley & Wallach, 2002
Toxicodryas blandingii	Aaron Bauer (pers.obs.)
Toxicodryas pulverulenta	Aaron Bauer (pers.obs.)
Tricheilostoma bicolor	IUCN
Tricheilostoma broadleyi	Jean-Francois Trape (pers.obs.)
Tricheilostoma dissimilis	Laurent Chirio (pers.obs.)
Tricheilostoma greenwelli	IUCN
Tricheilostoma sundewalli	Chirio & Lebreton, 2007
Typhlops coecatus	Danny Meirte (pers.obs.)
Typhlops zenkeri	Chirio & Lebreton, 2007
Vipera latastei	IUCN
Vipera monticola	Dobiey & Vogel, 2007
Walterinnesia aegyptia	David & Vogel, 2010
Xenocalamus bicolor	Aaron Bauer (pers.obs.)
Xenocalamus mechowii	Aaron Bauer (pers.obs.)
Xenocalamus michellii	Danny Meirte (pers.obs.)
Xenocalamus sabiensis	Aaron Bauer (pers.obs.)
Xenocalamus transvaalensis	Marais, 2004
Xerotyphlops etheridgei	IUCN
Xerotyphlops vermicularis	Sindaco et al., 2013
Xyelodontophis uluguruensis	Broadley & Wallach, 2002

Appendix S1e. African turtle species distribution data.

Species	**Source**
Centrochelys sulcata	Iverson, 1992
Chersina angulata	Bonin et al., 2006
Cyclanorbis elegans	Bonin et al., 2006
Cyclanorbis senegalensis	Bonin et al., 2006
Cycloderma aubryi	Bonin et al., 2006
Cycloderma frenatum	Bonin et al., 2006
Emys orbicularis	Bonin et al., 2006
Homopus areolatus	Bonin et al., 2006
Homopus boulengeri	Bonin et al., 2006
Homopus femoralis	Bonin et al., 2006
Homopus signatus	Bonin et al., 2006
Homopus solus	Bonin et al., 2006
Kinixys belliana	Vetter, 2011
Kinixys erosa	Bonin et al., 2006
Kinixys homeana	Bonin et al., 2006
Kinixys lobatsiana	Bonin et al., 2006
Kinixys natalensis	Bonin et al., 2006
Kinixys nogueyi	Vetter, 2011
Kinixys spekii	Bonin et al., 2006
Kinixys zombensis	Vetter, 2011
Malacochersus tornieri	Bonin et al., 2006
Mauremys leprosa	Bonin et al., 2006
Pelomedusa subrufa	Bonin et al., 2006
Pelusios adansonii	Bonin et al., 2006
Pelusios bechuanicus	Bonin et al., 2006
Pelusios broadleyi	Bonin et al., 2006
Pelusios carinatus	Bonin et al., 2006
Pelusios castaneus	Bonin et al., 2006
Pelusios castanoides	Bonin et al., 2006
Pelusios chapini	Bonin et al., 2006
Pelusios cupulatta	Bonin et al., 2006
Pelusios gabonensis	Bonin et al., 2006
Pelusios marani	Bonin et al., 2006
Pelusios nanus	Bonin et al., 2006
Pelusios niger	Bonin et al., 2006
Pelusios rhodesianus	Bonin et al., 2006
Pelusios sinuatus	Bonin et al., 2006
Pelusios subniger	Bonin et al., 2006

Species	Source
Pelusios upembae	Bonin et al., 2006
Pelusios williamsi	Bonin et al., 2006
Psammobates geometricus	Bonin et al., 2006
Psammobates oculifer	Iverson, 1992
Psammobates tentorius	Bonin et al., 2006
Stigmochelys pardalis	Bonin et al., 2006
Testudo graeca	Bonin et al., 2006
Testudo kleinmanni	Bonin et al., 2006
Trionyx triunguis	Bonin et al., 2006

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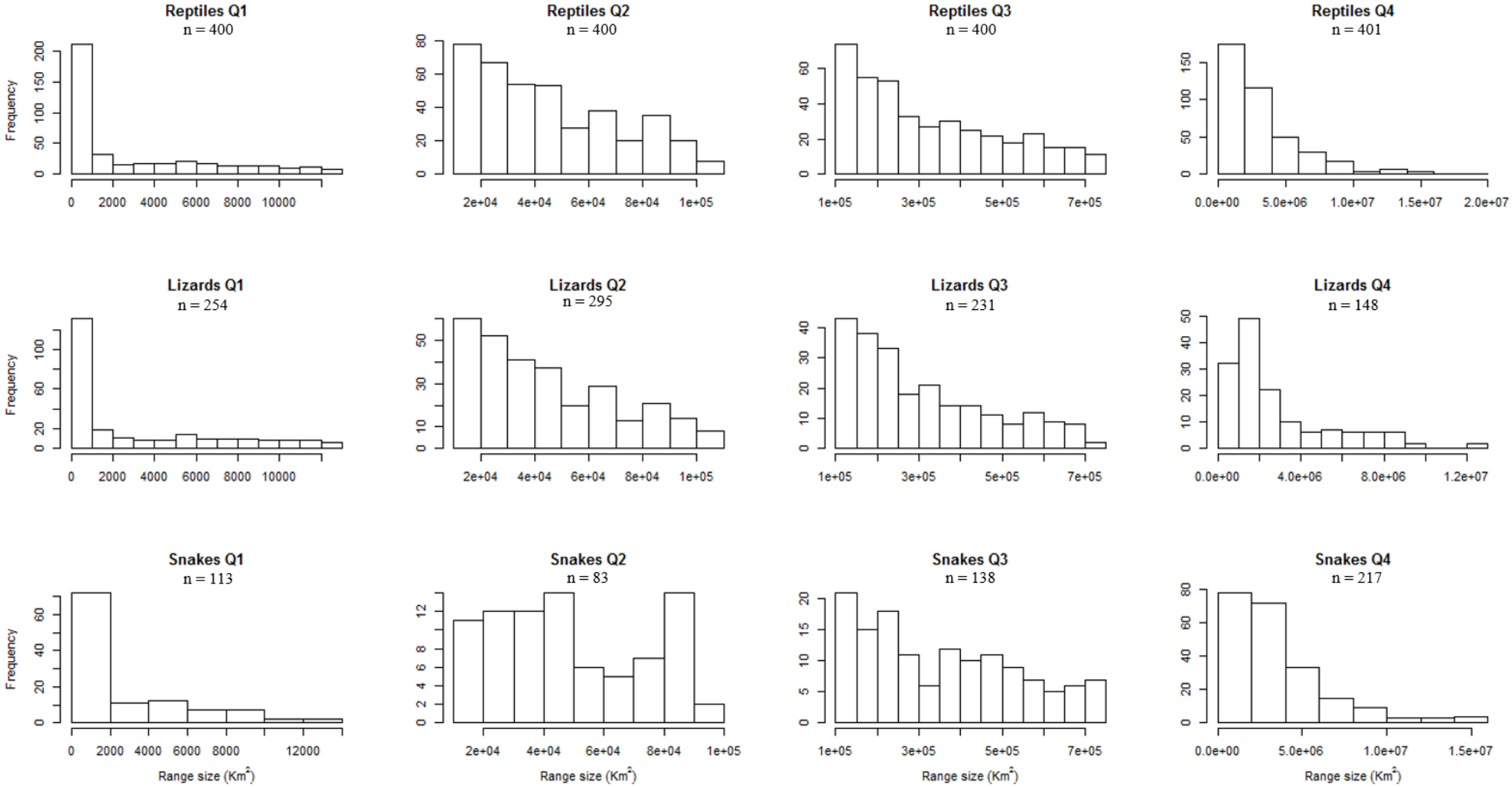
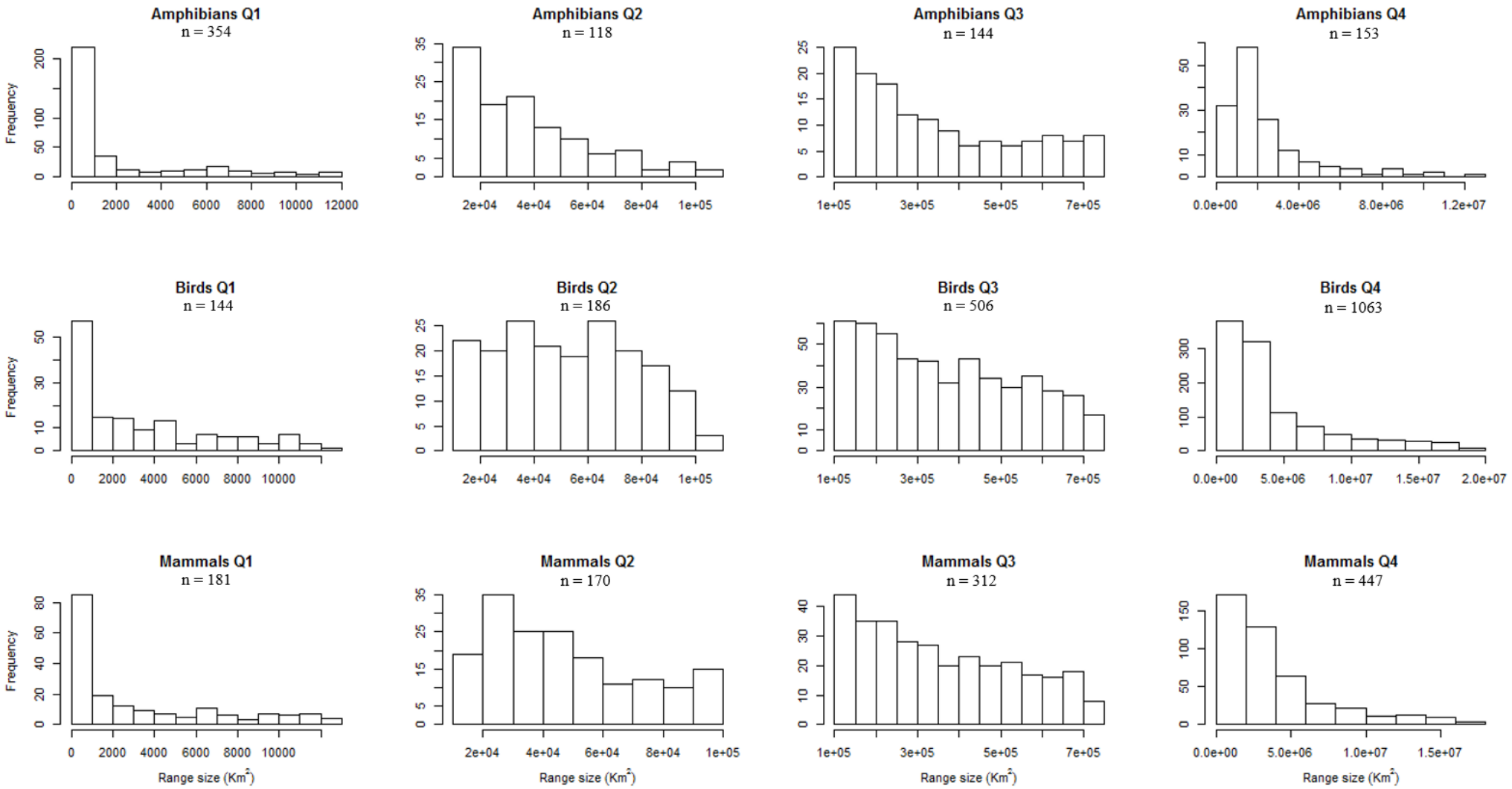
Appendix S2a. Histograms of range size of reptile, lizard, and snake quartiles.



Appendix S2b. Histograms of range size of amphibian, bird, and mammal quartiles.



Appendix S4. Range size, quartile, and number of occupied ecoregions of all reptile species in Africa.

Binomial	Range Size (km^2)	Quartile	Ecoregions
Ablepharus rueppellii	7536	1	3
Acanthocercus annectens	600485	3	8
Acanthocercus atricollis	4864465	4	57
Acanthocercus branchi	161268	3	4
Acanthocercus cyanogaster	173812	3	20
Acanthocercus guentherpetersi	9	1	2
Acanthocercus phillipsii	85437	2	4
Acanthodactylus aegyptius	239304	3	7
Acanthodactylus aureus	272386	3	10
Acanthodactylus bedriagai	192735	3	5
Acanthodactylus blanci	130710	3	5
Acanthodactylus boskianus	12231067	4	29
Acanthodactylus boueti	342755	3	4
Acanthodactylus busacki	211687	3	5
Acanthodactylus dumerilii	1618239	4	15
Acanthodactylus erythrurus	495883	3	6
Acanthodactylus guineensis	2113551	4	17
Acanthodactylus lineomaculatus	169859	3	6
Acanthodactylus longipes	7872950	4	12
Acanthodactylus maculatus	1193662	4	8
Acanthodactylus opheodurus	27156	2	3
Acanthodactylus pardalis	179498	3	6
Acanthodactylus savignyi	96396	2	3
Acanthodactylus scutellatus	8760512	4	25
Acanthodactylus senegalensis	1532811	4	11
Acanthodactylus spinicauda	5890	1	3
Acanthodactylus taghitensis	277059	3	5
Acontias aurantiacus	46232	2	11
Acontias bicolor	129800	3	3
Acontias breviceps	41481	2	9
Acontias cregoi	43157	2	3
Acontias gariepensis	51533	2	2
Acontias gracilicauda	329051	3	15
Acontias jappi	26561	2	4
Acontias kgalagadi	663338	3	12
Acontias lineatus	333108	3	8

Binomial	Range Size (km^2)	Quartile	Ecoregions
Acontias litoralis	27727	2	3
Acontias meleagris	145898	3	9
Acontias namaquensis	5434	1	3
Acontias occidentalis	482199	3	12
Acontias orientalis	34661	2	8
Acontias percivali	901642	4	25
Acontias plumbeus	301907	3	14
Acontias poecilus	7946	1	3
Acontias richardi	8050	1	3
Acontias rieppeli	39069	2	8
Acontias schmitzi	3	1	1
Acontias tristis	31447	2	3
Adolfus africanus	317163	3	19
Adolfus alleni	5236	1	3
Adolfus jacksoni	172072	3	14
Adolfus masavaensis	8292	1	5
Aeluroglena cucullata	13	1	4
Afroablepharus duruarum	12182	1	2
Afroablepharus maculicollis	853430	4	12
Afroablepharus seydeli	7586	1	2
Afroablepharus wahlbergi	2764948	4	55
Afroablepharus wilsoni	49985	2	4
Afroedura africana	51511	2	7
Afroedura amatolica	16740	2	4
Afroedura bogerti	65894	2	6
Afroedura broadleyi	9	1	2
Afroedura granitica	6	1	1
Afroedura haackei	4786	1	2
Afroedura halli	31225	2	4
Afroedura hawequensis	12444	2	3
Afroedura karroica	33696	2	5
Afroedura langi	8381	1	3
Afroedura leoloensis	3	1	1
Afroedura loveridgei	34745	2	4
Afroedura major	5165	1	2
Afroedura maripi	563	1	3
Afroedura marleyi	26446	2	5
Afroedura multiporis	11040	1	3
Afroedura namaquensis	9022	1	2
Afroedura nivaria	541507	3	16

Binomial	Range Size (km^2)	Quartile	Ecoregions
Afroedura pienaari	9	1	1
Afroedura pondolia	40346	2	5
Afroedura pongola	3	1	1
Afroedura rondavelica	701	1	3
Afroedura rupestris	3	1	1
Afroedura tembulica	9355	1	2
Afroedura tirasensis	9859	1	2
Afroedura transvaalica	360002	3	11
Afroedura waterbergensis	3	1	1
Afrogecko ansorgii	2216	1	4
Afrogecko porphyreus	79898	2	9
Afronatrix anoscopus	2386920	4	20
Afrotyphlops angolensis	4041047	4	30
Afrotyphlops anomalus	214578	3	7
Afrotyphlops bibronii	526252	3	18
Afrotyphlops blanfordii	448725	3	7
Afrotyphlops brevis	85512	2	10
Afrotyphlops congestus	2333781	4	23
Afrotyphlops decorosus	4474	1	7
Afrotyphlops fornasinii	84903	2	11
Afrotyphlops gierrai	9212	1	7
Afrotyphlops kaimosae	764	1	1
Afrotyphlops liberiensis	204381	3	6
Afrotyphlops lineolatus	5138598	4	51
Afrotyphlops manni	120	1	2
Afrotyphlops mucruso	3738907	4	35
Afrotyphlops nanus	762	1	2
Afrotyphlops nigrocandidus	3785	1	5
Afrotyphlops obtusus	80611	2	6
Afrotyphlops punctatus	3267572	4	28
Afrotyphlops rondoensis	5426	1	3
Afrotyphlops schlegelii	939460	4	23
Afrotyphlops schmidti	1187251	4	12
Afrotyphlops steinhausi	525364	3	10
Afrotyphlops tanganicanus	42437	2	4
Afrotyphlops usambaricus	3353	1	2
Agama aculeata	2971425	4	34
Agama africana	539292	3	6
Agama agama	8327327	4	56
Agama anchietae	644058	3	16

Binomial	Range Size (km^2)	Quartile	Ecoregions
Agama armata	1946622	4	29
Agama atra	981749	4	19
Agama bocourti	12361	2	2
Agama boensis	112881	3	5
Agama bottegi	6	1	1
Agama boueti	2335910	4	12
Agama boulengeri	348308	3	6
Agama caudospinosa	38800	2	6
Agama congica	198834	3	6
Agama cristata	49566	2	1
Agama doriae	2357475	4	22
Agama etoshae	65104	2	5
Agama finchi	31	1	5
Agama gracilimembris	1685596	4	13
Agama hartmanni	468723	3	5
Agama hispida	176522	3	4
Agama hulbertorum	17	1	1
Agama impalearis	957220	4	12
Agama insularis	55170	2	4
Agama kaimosae	31394	2	5
Agama kirkii	1011648	4	14
Agama knobeli	73131	2	6
Agama lanzai	3	1	1
Agama lebretoni	192257	3	9
Agama lionotus	734155	3	17
Agama lucyae	6	1	1
Agama makarikarika	49200	2	5
Agama montana	21703	2	5
Agama mossambica	749509	4	11
Agama mucosoensis	39325	2	3
Agama mwanzae	199489	3	6
Agama parafricana	68895	2	5
Agama paragama	1794483	4	19
Agama persimilis	8508	1	2
Agama planiceps	561558	3	11
Agama robecchii	298825	3	4
Agama rueppelli	264339	3	12
Agama sankaranica	1644125	4	15
Agama somalica	9	1	2
Agama spinosa	1290234	4	13

Binomial	Range Size (km^2)	Quartile	Ecoregions
Agama sylvana	871398	4	17
Agama tassiliensis	1301659	4	6
Agama turuensis	9	1	2
Agama weidholzi	531313	3	5
Agamodon anguliceps	201521	3	4
Agamodon compressus	18993	2	2
Amblyodipsas concolor	94015	2	7
Amblyodipsas dimidiata	11770	1	3
Amblyodipsas katangensis	174095	3	6
Amblyodipsas microphthalma	132078	3	9
Amblyodipsas polylepis	3752808	4	42
Amblyodipsas rodhaini	118714	3	2
Amblyodipsas teitana	3	1	1
Amblyodipsas unicolor	4114119	4	32
Amblyodipsas ventrimaculata	756928	4	12
Amplorhinus multimaculatus	233306	3	15
Ancylocranium barkeri	13	1	2
Ancylocranium ionidesi	1818	1	4
Ancylocranium somalicum	132716	3	6
Aparallactus capensis	4745555	4	49
Aparallactus guentheri	724927	3	15
Aparallactus jacksonii	525451	3	20
Aparallactus lineatus	207630	3	6
Aparallactus lunulatus	4740622	4	50
Aparallactus modestus	4894891	4	31
Aparallactus moeruensis	36806	2	2
Aparallactus niger	369183	3	6
Aparallactus nigriceps	5854	1	2
Aparallactus turneri	8814	1	2
Aparallactus werneri	8726	1	5
Aprosdoketophis andreonei	3	1	1
Aspidelaps lubricus	1000146	4	20
Aspidelaps scutatus	1356120	4	17
Atheris acuminata	3	1	1
Atheris barbouri	28776	2	7
Atheris broadleyi	27650	2	1
Atheris ceratophora	3647	1	5
Atheris chlorechis	1234844	4	16
Atheris desaixi	6	1	2
Atheris hirsuta	3	1	1

Binomial	Range Size (km^2)	Quartile	Ecoregions
Atheris hispida	143523	3	4
Atheris katangensis	10706	1	1
Atheris mabuensis	1471	1	2
Atheris nitschei	253440	3	8
Atheris rungweensis	72608	2	6
Atheris squamigera	3446286	4	27
Atheris subocularis	3	1	1
Atlantolacerta andreanskyi	25900	2	6
Atractaspis aterrima	3136831	4	28
Atractaspis battersbyi	4004	1	5
Atractaspis bibronii	5092666	4	51
Atractaspis boulengeri	1798807	4	15
Atractaspis congica	2072826	4	21
Atractaspis corpulenta	2097132	4	23
Atractaspis dahomeyensis	1490680	4	16
Atractaspis duerdeni	179231	3	6
Atractaspis engaddensis	1978	1	2
Atractaspis engdahli	9	1	2
Atractaspis fallax	943411	4	17
Atractaspis irregularis	2962678	4	40
Atractaspis leucomelas	41149	2	3
Atractaspis magrettii	379420	3	6
Atractaspis microlepidota	606880	3	18
Atractaspis micropholis	723121	3	6
Atractaspis phillipsi	51644	2	4
Atractaspis reticulata	2118388	4	23
Atractaspis scorteccii	86014	2	1
Atractaspis watsoni	2384830	4	19
Australolacerta australis	21772	2	3
Baikia africana	3	1	1
Bamanophis dorri	810525	4	6
Bitis albanica	6704	1	4
Bitis arietans	15972817	4	94
Bitis armata	6630	1	2
Bitis atropos	106368	3	13
Bitis caudalis	1872760	4	23
Bitis cornuta	80191	2	5
Bitis gabonica	4491954	4	48
Bitis heraldica	256718	3	4
Bitis inornata	4016	1	2

Binomial	Range Size (km^2)	Quartile	Ecoregions
Bitis nasicornis	3351806	4	32
Bitis parviocula	47431	2	4
Bitis peringueyi	127464	3	7
Bitis rhinoceros	478572	3	7
Bitis rubida	35210	2	4
Bitis schneideri	36692	2	4
Bitis worthingtoni	13482	2	3
Bitis xeropaga	47368	2	4
Blanus cinereus	3	1	2
Blanus mettetali	110908	3	5
Blanus tingitanus	27755	2	2
Boaedon capensis	4086143	4	39
Boaedon fuliginosus	12214419	4	72
Boaedon lineatus	9016096	4	42
Boaedon maculatus	13	1	2
Boaedon olivaceus	3748528	4	28
Boaedon radfordi	170727	3	8
Boaedon upembae	78917	2	2
Boaedon virgatus	1420587	4	18
Bothrolycus ater	1394946	4	16
Bothrophthalmus brunneus	28188	2	8
Bothrophthalmus lineatus	3830816	4	29
Brachyophis revoili	31	1	2
Bradypodion atromontanum	1922	1	4
Bradypodion caeruleogula	1339	1	3
Bradypodion caffer	14386	2	4
Bradypodion damaranum	14688	2	6
Bradypodion dracomontanum	27769	2	5
Bradypodion gutturale	42681	2	6
Bradypodion kentanicum	5555	1	4
Bradypodion melanocephalum	21325	2	4
Bradypodion nemorale	13773	2	4
Bradypodion ngomeense	680	1	1
Bradypodion occidentale	32371	2	3
Bradypodion pumilum	39663	2	5
Bradypodion setaroi	29085	2	5
Bradypodion taeniabronchum	10500	1	6
Bradypodion thamnobates	17252	2	3
Bradypodion transvaalense	74940	2	4
Bradypodion ventrale	182410	3	10

Binomial	Range Size (km^2)	Quartile	Ecoregions
Broadleysaurus major	2944929	4	50
Buhoma depressiceps	1852295	4	19
Buhoma procterae	9113	1	4
Buhoma vauerocegae	9990	1	4
Bunopus tuberculatus	1779	1	2
Calabaria reinhardtii	2999783	4	25
Causus bilineatus	1164929	4	15
Causus defilippii	2279670	4	28
Causus lichtensteinii	4348288	4	33
Causus maculatus	8391981	4	40
Causus rasmusseni	2252	1	1
Causus resimus	2631346	4	33
Causus rhombeatus	8949952	4	69
Centrochelys sulcata	3755768	4	20
Cerastes boehmei	7574	1	2
Cerastes cerastes	8708956	4	17
Cerastes gasperettii	9	1	1
Cerastes vipera	8566163	4	19
Chalcides armitagei	15464	2	3
Chalcides bedriagai	1041	1	2
Chalcides bottegi	206011	3	9
Chalcides boulengeri	2125967	4	7
Chalcides chalcides	35118	2	4
Chalcides colosii	14783	2	2
Chalcides delislei	4296405	4	15
Chalcides ebneri	7628	1	2
Chalcides lanzai	13339	2	3
Chalcides levitoni	73804	2	6
Chalcides manueli	24836	2	2
Chalcides mauritanicus	9480	1	4
Chalcides mertensi	228076	3	5
Chalcides minutus	31518	2	4
Chalcides mionecton	166740	3	6
Chalcides montanus	81355	2	6
Chalcides ocellatus	4947676	4	33
Chalcides parallelus	1255	1	1
Chalcides polylepis	166138	3	7
Chalcides pseudostriatus	65053	2	4
Chalcides pulchellus	361167	3	5
Chalcides ragazzii	442636	3	11

Binomial	Range Size (km^2)	Quartile	Ecoregions
Chalcides sepsoides	879753	4	10
Chalcides sphenopsiformis	209526	3	7
Chalcides striatus	1041	1	2
Chalcides thierryi	571462	3	7
Chamaeleo africanus	3690422	4	25
Chamaeleo anchietae	98383	2	16
Chamaeleo calcaricarens	75	1	8
Chamaeleo chamaeleon	1050383	4	14
Chamaeleo dilepis	8158991	4	60
Chamaeleo gracilis	5411428	4	53
Chamaeleo laevigatus	2216596	4	29
Chamaeleo namaquensis	814306	4	16
Chamaeleo necasi	32429	2	5
Chamaeleo senegalensis	3392033	4	23
Chamaelycus christyi	143907	3	5
Chamaelycus fasciatus	3888168	4	27
Chamaelycus parkeri	818191	4	10
Chamaesaura aenea	98741	2	8
Chamaesaura anguina	230077	3	25
Chamaesaura macrolepis	124702	3	14
Chamaesaura miopropus	186987	3	10
Chamaesaura tenuior	5844	1	6
Chersina angulata	362919	3	12
Chilorhinophis butleri	194766	3	8
Chilorhinophis gerardi	913836	4	9
Chirindia ewerbecki	12318	2	4
Chirindia langi	2832	1	3
Chirindia mpwapwaensis	6	1	1
Chirindia rondoensis	9769	1	3
Chirindia swynnertoni	40651	2	6
Chondrodactylus angulifer	917074	4	11
Chondrodactylus bibronii	760414	4	21
Chondrodactylus fitzsimonsi	201356	3	6
Chondrodactylus pulitzerae	305054	3	8
Chondrodactylus turneri	3027936	4	38
Cnemaspis africana	71804	2	8
Cnemaspis alantika	24318	2	5
Cnemaspis barbouri	13	1	2
Cnemaspis dickersonae	67671	2	11
Cnemaspis dilepis	36820	2	2

Binomial	Range Size (km^2)	Quartile	Ecoregions
Cnemaspis elgonensis	22	1	5
Cnemaspis gigas	24253	2	3
Cnemaspis koehleri	113599	3	8
Cnemaspis occidentalis	85124	2	4
Cnemaspis petrodroma	13829	2	3
Cnemaspis quattuorseriata	22806	2	6
Cnemaspis spinicollis	177596	3	11
Cnemaspis uzungwae	9	1	3
Colopus kochii	102749	2	5
Colopus wahlbergii	766687	4	13
Coluber zebrinus	22447	2	2
Congolacerta asukului	822	1	1
Congolacerta vauereselli	94920	2	8
Cophoscincopus durus	190976	3	4
Cophoscincopus greeri	176490	3	6
Cophoscincopus senegalensis	24124	2	4
Cophoscincopus simulans	405789	3	7
Cordylosaurus subtessellatus	668532	3	14
Cordylus angolensis	65442	2	3
Cordylus aridus	4662	1	3
Cordylus beraduccii	48653	2	7
Cordylus cloetei	4184	1	2
Cordylus cordylus	286623	3	13
Cordylus imkeae	4468	1	3
Cordylus jonesii	747667	4	16
Cordylus machadoi	72913	2	6
Cordylus macropholis	24395	2	3
Cordylus marunguensis	6943	1	2
Cordylus mclachlani	10898	1	3
Cordylus meculae	823	1	1
Cordylus minor	6791	1	2
Cordylus niger	1396	1	2
Cordylus nyikae	14671	2	2
Cordylus oelofseni	13906	2	3
Cordylus rhodesianus	98894	2	3
Cordylus rivae	42278	2	3
Cordylus tropidosternum	1830859	4	24
Cordylus ukingensis	2288	1	4
Cordylus vittifer	336755	3	11
Coronella girondica	431752	3	6

Binomial	Range Size (km^2)	Quartile	Ecoregions
Crocodylus niloticus	12863280	4	73
Crocodylus succhus	3098237	4	24
Crotaphopeltis barotseensis	109943	3	7
Crotaphopeltis braestrupi	12078	1	3
Crotaphopeltis degeni	1909840	4	16
Crotaphopeltis hippocrepis	3225806	4	16
Crotaphopeltis hotamboeia	14912604	4	84
Crotaphopeltis tornieri	46437	2	9
Cryptactites peringueyi	363	1	2
Cryptoblepharus africanus	190136	3	10
Cryptoblepharus ahli	0	1	1
Cryptoblepharus boutonii	1	1	1
Cryptoblepharus megastictus	3	1	1
Cyclanorbis elegans	562810	3	12
Cyclanorbis senegalensis	3691987	4	21
Cycloderma aubryi	1342253	4	11
Cycloderma frenatum	989462	4	14
Cynisca bifrontalis	824	1	1
Cynisca chirioi	6	1	1
Cynisca feae	149562	3	4
Cynisca gansi	6	1	3
Cynisca haugi	17742	2	3
Cynisca ivoirensis	3	1	1
Cynisca kigomensis	3	1	1
Cynisca kraussi	951	1	2
Cynisca leonina	5716	1	3
Cynisca leucura	13	1	3
Cynisca liberiensis	128312	3	4
Cynisca manei	3	1	1
Cynisca muelleri	14	1	2
Cynisca nigeriensis	131	1	1
Cynisca oligopholis	3572	1	2
Cynisca rouxae	6	1	2
Cynisca schaeferi	90	1	1
Cynisca senegalensis	96	1	2
Cynisca williamsi	3	1	1
Cyrtopodion scabrum	144876	3	13
Daboia deserti	153861	3	4
Daboia mauritanica	536532	3	6
Dalophia angolensis	253683	3	6

Binomial	Range Size (km^2)	Quartile	Ecoregions
Dalophia ellenbergeri	60941	2	5
Dalophia gigantea	20574	2	3
Dalophia longicauda	144761	3	5
Dalophia luluae	6172	1	1
Dalophia pistillum	1346154	4	18
Dasypeltis abyssina	220458	3	4
Dasypeltis atra	1123539	4	19
Dasypeltis confusa	3559208	4	31
Dasypeltis fasciata	6434039	4	31
Dasypeltis gansi	394070	3	10
Dasypeltis inornata	214935	3	14
Dasypeltis latericia	387884	3	4
Dasypeltis medici	239331	3	19
Dasypeltis palmarum	493624	3	9
Dasypeltis parascabra	3	1	1
Dasypeltis sahelensis	411080	3	13
Dasypeltis scabra	13798840	4	79
Dendroaspis angusticeps	264283	3	22
Dendroaspis jamesoni	4389448	4	30
Dendroaspis polylepis	8909169	4	68
Dendroaspis viridis	463211	3	8
Dendrolycus elapoides	409925	3	8
Dipsadoboa aulica	405315	3	13
Dipsadoboa brevirostris	650576	3	9
Dipsadoboa duchesnii	2588014	4	21
Dipsadoboa flavida	88315	2	9
Dipsadoboa shrevei	1849778	4	16
Dipsadoboa underwoodi	1400807	4	17
Dipsadoboa unicolor	4183448	4	28
Dipsadoboa viridis	3610228	4	27
Dipsadoboa weileri	4578178	4	32
Dipsadoboa werneri	3784	1	4
Dipsina multimaculata	921783	4	12
Dispholidus typus	13712193	4	82
Dolichophis jugularis	137	1	1
Duberria lutrix	2165410	4	49
Duberria rhodesiana	110961	3	3
Duberria shirana	284159	3	15
Duberria variegata	36297	2	7
Ebenavia inunguis	867	1	2

Binomial	Range Size (km^2)	Quartile	Ecoregions
Echis coloratus	164355	3	8
Echis hughesi	450	1	1
Echis jogeri	88480	2	3
Echis leucogaster	1687216	4	14
Echis ocellatus	3012952	4	19
Echis pyramidum	1882581	4	20
Eirenis africana	31161	2	5
Eirenis coronella	26282	2	3
Eirenis coronelloides	3	1	2
Elapsoidea boulengeri	1963216	4	25
Elapsoidea broadleyi	19867	2	2
Elapsoidea chelazziorum	18613	2	2
Elapsoidea guentherii	1855903	4	20
Elapsoidea laticincta	970188	4	8
Elapsoidea loveridgei	687887	3	20
Elapsoidea nigra	4978	1	5
Elapsoidea semiannulata	3749743	4	40
Elapsoidea sundevallii	1047951	4	22
Elapsoidea trapei	13282	2	3
Elasmodactylus tetensis	290714	3	11
Elasmodactylus tuberculosus	699691	3	17
Emys orbicularis	130670	3	5
Epacrophis boulengeri	207	1	1
Epacrophis drewesi	3	1	1
Epacrophis reticulatus	753	1	1
Eryx borrii	3	1	1
Eryx colubrinus	1728739	4	30
Eryx jaculus	474114	3	8
Eryx muelleri	7094932	4	25
Eryx somalicus	6	1	2
Euleptes europaea	505	1	1
Eumeces algeriensis	311228	3	6
Eumeces schneideri	231902	3	10
Eumecia anchietae	1378121	4	19
Eumecia johnstoni	3	1	1
Feylinia boulengeri	37584	2	4
Feylinia currori	2982284	4	26
Feylinia elegans	815330	4	15
Feylinia grandisquamis	624657	3	14
Feylinia macrolepis	102967	2	6

Binomial	Range Size (km^2)	Quartile	Ecoregions
Gastropholis echinata	621915	3	20
Gastropholis prasina	1711	1	2
Gastropholis tropidopholis	17800	2	3
Gastropholis vittata	15043	2	4
Geocalamus acutus	15505	2	5
Geocalamus modestus	7888	1	3
Gerrhosaurus auritus	575161	3	12
Gerrhosaurus bulsi	839918	4	11
Gerrhosaurus flavigularis	2752132	4	43
Gerrhosaurus intermedius	3680470	4	40
Gerrhosaurus multilineatus	879470	4	9
Gerrhosaurus nigrolineatus	599869	3	22
Gerrhosaurus skoogi	53899	2	3
Gerrhosaurus typicus	125296	3	7
Goggia braacki	2598	1	1
Goggia essexi	13914	2	6
Goggia gemmula	6948	1	2
Goggia hewitti	24542	2	6
Goggia hexapora	24052	2	3
Goggia lineata	108582	3	5
Goggia microlepidota	15539	2	3
Goggia rupicola	10703	1	3
Gonionotophis brussauxi	2587663	4	22
Gonionotophis capensis	6448957	4	60
Gonionotophis chanleri	65985	2	4
Gonionotophis crossi	3751304	4	21
Gonionotophis egbensis	3	1	1
Gonionotophis gabouensis	369	1	2
Gonionotophis grantii	3326787	4	21
Gonionotophis guirali	1782154	4	21
Gonionotophis klingi	351682	3	7
Gonionotophis laurenti	117981	3	2
Gonionotophis nyassae	1984077	4	30
Gonionotophis poensis	3984314	4	28
Gonionotophis savorgnani	2508598	4	20
Gonionotophis stenophthalmus	3831727	4	28
Gonionotophis vernayi	139119	3	4
Grayia caesar	1876308	4	17
Grayia ornata	3639689	4	21
Grayia smithii	6671582	4	36

Binomial	Range Size (km^2)	Quartile	Ecoregions
Grayia tholloni	3246768	4	32
Haackgreerius miopus	3	1	1
Hapsidophrys lineatus	3385035	4	30
Hapsidophrys smaragdina	4059808	4	29
Heliobolus lugubris	2092272	4	20
Heliobolus neumanni	2959	1	6
Heliobolus nitidus	2166603	4	13
Heliobolus spekii	1503398	4	25
Helophis schoutedeni	381544	3	7
Hemachatus haemachatus	763189	4	19
Hemicordylus capensis	63825	2	6
Hemicordylus nebulosus	3408	1	3
Hemidactylus albituberculatus	56618	2	9
Hemidactylus albivertebralis	26235	2	6
Hemidactylus albopunctatus	45241	2	6
Hemidactylus angulatus	8213812	4	53
Hemidactylus ansorgii	286360	3	15
Hemidactylus aporus	1844	1	2
Hemidactylus arnoldi	17142	2	3
Hemidactylus awashensis	10	1	1
Hemidactylus barbierii	6	1	1
Hemidactylus barodanus	85447	2	5
Hemidactylus bavazzanoi	6	1	1
Hemidactylus bayonii	15391	2	4
Hemidactylus benguellensis	8489	1	3
Hemidactylus beninensis	12182	1	3
Hemidactylus biokoensis	5	1	1
Hemidactylus brookii	7462600	4	59
Hemidactylus citernii	352105	3	5
Hemidactylus coalescens	834312	4	12
Hemidactylus curlei	6	1	1
Hemidactylus echinus	105442	3	9
Hemidactylus eniangii	167047	3	8
Hemidactylus fasciatus	1867293	4	24
Hemidactylus flaviviridis	42917	2	13
Hemidactylus foudaii	43420	2	4
Hemidactylus frenatus	6	1	2
Hemidactylus funaiolii	43944	2	2
Hemidactylus granchii	9	1	2
Hemidactylus granosus	5	1	3

Binomial	Range Size (km^2)	Quartile	Ecoregions
Hemidactylus isolepis	339378	3	13
Hemidactylus ituriensis	37872	2	1
Hemidactylus jubensis	6	1	2
Hemidactylus kamdemtohami	41334	2	6
Hemidactylus klauberi	18823	2	2
Hemidactylus kundaensis	12491	2	3
Hemidactylus kyaboboensis	15530	2	3
Hemidactylus laevis	3	1	1
Hemidactylus lamaensis	20219	2	4
Hemidactylus laticaudatus	19	1	3
Hemidactylus longicephalus	529271	3	17
Hemidactylus mabouia	6408280	4	75
Hemidactylus macropholis	604002	3	8
Hemidactylus makolowodei	12207	1	3
Hemidactylus matschiei	105025	3	5
Hemidactylus megalops	6	1	1
Hemidactylus mercatorius	25379	2	2
Hemidactylus mindiae	6719	1	2
Hemidactylus modestus	9	1	2
Hemidactylus mrimaensis	6	1	1
Hemidactylus muriceus	754016	4	18
Hemidactylus ophiolepis	9	1	2
Hemidactylus ophiolepoides	6	1	2
Hemidactylus platycephalus	1762089	4	23
Hemidactylus pseudomuriceus	22710	2	6
Hemidactylus puccionii	130944	3	2
Hemidactylus richardsonii	405105	3	13
Hemidactylus robustus	430701	3	16
Hemidactylus ruspolii	562745	3	9
Hemidactylus sinaitus	751979	4	10
Hemidactylus smithi	327044	3	6
Hemidactylus somalicus	218525	3	3
Hemidactylus squamulatus	565912	3	18
Hemidactylus tanganicus	13	1	2
Hemidactylus tasmani	295084	3	6
Hemidactylus taylori	9	1	1
Hemidactylus tropidolepis	259507	3	6
Hemidactylus turcicus	1085111	4	25
Hemidactylus yerburii	487005	3	8
Hemirhagerrhis hildebrandtii	73537	2	8

Binomial	Range Size (km^2)	Quartile	Ecoregions
Hemirhagerrhis kelleri	237760	3	16
Hemirhagerrhis nototaenia	5725392	4	46
Hemirhagerrhis viperina	274638	3	8
Hemitheconyx caudicinctus	2094099	4	15
Hemitheconyx taylori	263752	3	4
Hemorrhois algirus	1502556	4	10
Hemorrhois hippocrepis	533644	3	7
Hemorrhois nummifer	45852	2	7
Holaspis guentheri	1664038	4	25
Holaspis laevis	560035	3	15
Holodactylus africanus	74586	2	12
Holodactylus cornii	209395	3	3
Homopholis arnoldi	661598	3	13
Homopholis fasciata	301362	3	16
Homopholis mulleri	16363	2	3
Homopholis walbergii	170310	3	11
Homopus areolatus	276401	3	10
Homopus boulengeri	179467	3	6
Homopus femoralis	270196	3	10
Homopus signatus	67490	2	4
Homopus solus	13999	2	4
Homoroselaps dorsalis	207657	3	6
Homoroselaps lacteus	637160	3	16
Hormonotus modestus	2856324	4	30
Hydraethiops laevis	6	1	2
Hydraethiops melanogaster	1766618	4	13
Hypoptophis wilsonii	576857	3	8
Ichnotropis bivittata	832508	4	19
Ichnotropis capensis	2581358	4	30
Ichnotropis chapini	2989	1	1
Ichnotropis grandiceps	50924	2	4
Ichnotropis microlepidota	3	1	1
Ichnotropis tanganicana	3	1	1
Inyoka swazicus	80670	2	4
Karusasaurus jordani	173478	3	6
Karusasaurus polyzonus	728382	3	13
Kinixys belliana	3505271	4	28
Kinixys erosa	4165729	4	29
Kinixys homeana	1387399	4	20
Kinixys lobatsiana	182235	3	6

Binomial	Range Size (km^2)	Quartile	Ecoregions
Kinixys natalensis	98041	2	6
Kinixys nogueyi	2961182	4	19
Kinixys spekii	3685910	4	33
Kinixys zombensis	997883	4	21
Kinyongia adolfifriderici	79621	2	7
Kinyongia asheorum	3	1	2
Kinyongia boehmei	410	1	2
Kinyongia carpenteri	4975	1	3
Kinyongia excubitor	3403	1	3
Kinyongia fischeri	9797	1	6
Kinyongia gyrolepis	1444	1	1
Kinyongia magomberae	9	1	3
Kinyongia matschiei	403	1	2
Kinyongia multituberculata	2099	1	3
Kinyongia mulyai	3	1	1
Kinyongia oxyrhina	22	1	2
Kinyongia tavetana	12557	2	6
Kinyongia tenuis	12774	2	5
Kinyongia uluguruensis	800	1	1
Kinyongia uthmoelleri	4724	1	4
Kinyongia vanheygeni	9	1	1
Kinyongia vosseleri	395	1	2
Kinyongia xenorhina	6858	1	6
Kolekanos plumicaudus	8791	1	2
Lacertaspis chriswildi	36529	2	6
Lacertaspis gemmiventris	24344	2	4
Lacertaspis lepesmei	12229	2	3
Lacertaspis reichenowi	251142	3	10
Lacertaspis rohdei	218996	3	8
Lamprophis abyssinicus	16	1	3
Lamprophis aurora	499713	3	16
Lamprophis erlangeri	22	1	3
Lamprophis fiskii	21132	2	3
Lamprophis fuscus	41349	2	12
Lamprophis guttatus	689405	3	17
Latastia boscai	473453	3	7
Latastia caeruleopunctata	186683	3	5
Latastia cherchii	164549	3	4
Latastia doriai	117422	3	6
Latastia johnstonii	438357	3	15

Binomial	Range Size (km^2)	Quartile	Ecoregions
Latastia longicaudata	6948063	4	38
Latastia ornata	12400	2	3
Latastia petersiana	92510	2	4
Latastia siebenrocki	8025	1	3
Latastia taylori	178317	3	3
Lepidothyris fernandi	1006713	4	24
Lepidothyris hinkeli	779677	4	13
Lepidothyris striatus	171256	3	5
Leptosiaphos aloysiisabaudiae	1954498	4	24
Leptosiaphos amieti	48880	2	6
Leptosiaphos blochmanni	4229	1	5
Leptosiaphos dewittei	51563	2	5
Leptosiaphos dungeri	28441	2	5
Leptosiaphos fuhni	12262	2	1
Leptosiaphos graueri	31348	2	8
Leptosiaphos hackarsi	6189	1	4
Leptosiaphos hylophilus	2454	1	2
Leptosiaphos ianthinoxantha	36669	2	4
Leptosiaphos kilimensis	66410	2	17
Leptosiaphos koutoui	12207	1	3
Leptosiaphos luberoensis	970	1	2
Leptosiaphos meleagris	15298	2	5
Leptosiaphos pauliani	24788	2	5
Leptosiaphos rhodurus	171730	3	8
Leptosiaphos rhomboidalis	3	1	1
Leptosiaphos vigintiserierum	61070	2	8
Leptotyphlops aethiopicus	19	1	2
Leptotyphlops conjunctus	573925	3	18
Leptotyphlops distanti	145985	3	8
Leptotyphlops emini	402202	3	22
Leptotyphlops howelli	6	1	2
Leptotyphlops incognitus	888404	4	21
Leptotyphlops jacobseni	35315	2	4
Leptotyphlops kafubi	537649	3	8
Leptotyphlops keniensis	2291	1	3
Leptotyphlops latirostris	29157	2	3
Leptotyphlops lepezi	210205	3	9
Leptotyphlops macrops	28137	2	6
Leptotyphlops mbanjensis	1505	1	2
Leptotyphlops merkeri	623003	3	19

Binomial	Range Size (km^2)	Quartile	Ecoregions
Leptotyphlops nigricans	123385	3	12
Leptotyphlops nigroterminus	4559	1	2
Leptotyphlops nursii	1239	1	4
Leptotyphlops pembae	1018	1	1
Leptotyphlops pungwensis	721	1	3
Leptotyphlops scutifrons	2732552	4	29
Leptotyphlops sylvicolus	28947	2	5
Leptotyphlops tanae	4438	1	4
Leptotyphlops telloi	22498	2	3
Letheobia acutirostrata	1407573	4	15
Letheobia caeca	384233	3	11
Letheobia crossii	252496	3	9
Letheobia debilis	734587	3	8
Letheobia erythraea	19319	2	5
Letheobia gracilis	186200	3	6
Letheobia graueri	194829	3	11
Letheobia jubana	3	1	1
Letheobia kibarae	40710	2	1
Letheobia largeni	3	1	1
Letheobia leucosticta	16454	2	3
Letheobia lumbriciformis	14997	2	2
Letheobia pallida	17749	2	4
Letheobia pauwelsi	3	1	1
Letheobia pembana	443	1	1
Letheobia praeocularis	1841482	4	22
Letheobia rufescens	533522	3	5
Letheobia somalica	47	1	3
Letheobia stejnegeri	332757	3	5
Letheobia sudanensis	219176	3	3
Letheobia swahilica	1157	1	3
Letheobia toritensis	12250	2	3
Letheobia uluguruensis	6	1	2
Letheobia wittei	90994	2	4
Limnophis bangweolicus	1189867	4	17
Limnophis bicolor	971541	4	9
Loveridgea ionidesii	93226	2	4
Loveridgea phylofiniens	3	1	1
Lycodonomorphus bicolor	82462	2	3
Lycodonomorphus inornatus	234973	3	15
Lycodonomorphus laevissimus	180066	3	12

Binomial	Range Size (km^2)	Quartile	Ecoregions
Lycodonomorphus leleupi	73967	2	2
Lycodonomorphus obscuriventris	149027	3	9
Lycodonomorphus rufulus	885696	4	23
Lycodonomorphus subtaeniatus	995114	4	8
Lycodonomorphus whytii	292723	3	8
Lycophidion acutirostre	178898	3	6
Lycophidion albomaculatum	564933	3	6
Lycophidion capense	6089526	4	62
Lycophidion depressirostre	1620588	4	27
Lycophidion hellmichi	685853	3	10
Lycophidion irroratum	1706777	4	19
Lycophidion laterale	2820380	4	24
Lycophidion meleagris	128834	3	9
Lycophidion multimaculatum	3487199	4	28
Lycophidion namibianum	88384	2	5
Lycophidion nanus	41251	2	6
Lycophidion nigromaculatum	479682	3	7
Lycophidion ornatum	2383413	4	28
Lycophidion pembanum	1018	1	1
Lycophidion pygmaeum	12703	2	3
Lycophidion semiannule	9	1	2
Lycophidion semicinctum	2741595	4	20
Lycophidion taylori	2177761	4	15
Lycophidion uzungwense	6852	1	4
Lycophidion variegatum	258131	3	8
Lygodactylus angolensis	1562642	4	25
Lygodactylus angularis	388969	3	17
Lygodactylus bernardi	24296	2	4
Lygodactylus bradfieldi	847918	4	18
Lygodactylus broadleyi	13	1	3
Lygodactylus capensis	3829649	4	44
Lygodactylus chobiensis	570633	3	12
Lygodactylus conradti	5271	1	3
Lygodactylus conraui	578211	3	16
Lygodactylus depressus	86502	2	6
Lygodactylus fischeri	209846	3	15
Lygodactylus grandisonae	227	1	1
Lygodactylus graniticolus	6973	1	2
Lygodactylus gravis	17217	2	3

Binomial	Range Size (km^2)	Quartile	Ecoregions
Lygodactylus grotei	247485	3	3
Lygodactylus gutturalis	2483276	4	29
Lygodactylus howelli	1480	1	1
Lygodactylus inexpectatus	3	1	1
Lygodactylus keniensis	172617	3	7
Lygodactylus kimhowelli	6407	1	3
Lygodactylus lawrencei	87380	2	4
Lygodactylus luteopicturatus	108189	3	8
Lygodactylus manni	46808	2	4
Lygodactylus methueni	20171	2	3
Lygodactylus mombasicus	7221	1	4
Lygodactylus nigropunctatus	63780	2	5
Lygodactylus ocellatus	58552	2	4
Lygodactylus picturatus	771339	4	25
Lygodactylus regulus	6	1	1
Lygodactylus rex	1472	1	3
Lygodactylus scheffleri	19571	2	6
Lygodactylus scorteccii	3	1	1
Lygodactylus somalicus	86160	2	6
Lygodactylus stevensoni	106874	3	6
Lygodactylus waterbergensis	10673	1	2
Lygodactylus williamsi	23	1	3
Lygosoma chaperi	1	1	1
Lygosoma laeviceps	25879	2	2
Lygosoma lanceolatum	98	1	1
Lygosoma mafianum	379	1	1
Lygosoma pembanum	8139	1	3
Lytorhynchus diadema	10433674	4	21
Macrelaps microlepidotus	70641	2	6
Macroprotodon abubakeri	45499	2	2
Macroprotodon brevis	203754	3	6
Macroprotodon cucullatus	1476175	4	12
Macroprotodon mauritanicus	117310	3	4
Madatyphlops calabresii	4611	1	2
Madatyphlops cuneirostris	6915	1	3
Madatyphlops leucocephalus	3	1	1
Madatyphlops platyrhynchus	3	1	1
Malacochersus tornieri	645322	3	16
Malpolon insignitus	369725	3	8
Malpolon monspessulanus	619284	3	8

Binomial	Range Size (km^2)	Quartile	Ecoregions
Matobosaurus maltzahni	298254	3	8
Matobosaurus validus	933727	4	17
Mauremys leprosa	916311	4	8
Mecistops cataphractus	6590288	4	35
Mediodactylus kotschyi	45	1	2
Meizodon coronatus	3662283	4	20
Meizodon krameri	3888	1	2
Meizodon plumbiceps	278267	3	3
Meizodon regularis	2686716	4	26
Meizodon semiornatus	2659231	4	37
Melanoseps ater	84707	2	9
Melanoseps emmrichi	6	1	2
Melanoseps longicauda	3	1	1
Melanoseps loveridgei	9594	1	7
Melanoseps occidentalis	1740566	4	17
Melanoseps pygmaeus	9	1	2
Melanoseps rondoensis	9	1	1
Melanoseps uzungwensis	13	1	3
Meroles anchietae	128469	3	5
Meroles ctenodactylus	29507	2	3
Meroles cuneirostris	107295	3	4
Meroles knoxii	123578	3	7
Meroles micropholidotus	32810	2	3
Meroles reticulatus	97526	2	4
Meroles squamulosus	2849270	4	29
Meroles suborbitalis	651874	3	8
Mesalina bahaeldini	16113	2	2
Mesalina brevirostris	3231	1	2
Mesalina ercolinii	6	1	1
Mesalina guttulata	9868477	4	23
Mesalina martini	140439	3	9
Mesalina olivieri	2161852	4	20
Mesalina pasteuri	5182477	4	11
Mesalina rubropunctata	5196959	4	16
Mesalina simoni	44302	2	5
Micrelaps bicoloratus	71709	2	5
Micrelaps boettgeri	41488	2	9
Micrelaps vaillanti	25	1	3
Mochlus afer	2717625	4	34
Mochlus brevicaudis	367947	3	6

Binomial	Range Size (km^2)	Quartile	Ecoregions
Mochlus grandisonianum	131525	3	3
Mochlus guineensis	2966604	4	25
Mochlus mabuiiforme	37319	2	3
Mochlus mocquardi	364558	3	6
Mochlus paedocarinatum	22	1	1
Mochlus productum	189490	3	4
Mochlus simonettai	25379	2	2
Mochlus somalicum	85450	2	6
Mochlus sundevalli	5338272	4	47
Mochlus tanae	49145	2	5
Mochlus vinciguerrae	214473	3	4
Monopeltis adercae	5101	1	1
Monopeltis anchietae	764869	4	13
Monopeltis capensis	8947	1	14
Monopeltis decosteri	106801	3	7
Monopeltis galeata	58937	2	4
Monopeltis guentheri	729127	3	9
Monopeltis infuscata	869694	4	14
Monopeltis jugularis	256776	3	8
Monopeltis kabindae	6894	1	2
Monopeltis leonhardi	675638	3	11
Monopeltis luandae	3907	1	1
Monopeltis perplexus	6	1	1
Monopeltis remaclei	28366	2	1
Monopeltis rhodesiana	479248	3	12
Monopeltis scalper	60556	2	4
Monopeltis schoutedeni	57179	2	6
Monopeltis sphenorhynchus	1107330	4	17
Monopeltis vanderysti	356216	3	5
Monopeltis welwitschii	92314	2	4
Monopeltis zambezensis	94486	2	4
Montaspis gilvomaculata	9157	1	2
Montatheris hindii	4781	1	3
Myriopholis adleri	86112	2	5
Myriopholis albiventer	482507	3	4
Myriopholis algeriensis	209332	3	9
Myriopholis boueti	4169071	4	12
Myriopholis braccianii	54133	2	7
Myriopholis cairi	338938	3	15
Myriopholis erythraeus	2278	1	5

Binomial	Range Size (km^2)	Quartile	Ecoregions
Myriopholis ionidesi	5860	1	6
Myriopholis longicauda	1145108	4	20
Myriopholis macrorhyncha	256089	3	16
Myriopholis narirostris	1061997	4	12
Myriopholis natatrix	1542	1	1
Myriopholis perreti	3053	1	3
Myriopholis rouxestevae	1645	1	2
Nadzikambia baylissi	3	1	1
Nadzikambia mlanjensis	23652	2	5
Naja anchietae	1534446	4	18
Naja annulata	2898348	4	22
Naja annulifera	1127194	4	18
Naja ashei	740089	4	12
Naja christyi	246914	3	9
Naja haje	6829614	4	52
Naja katiensis	2155943	4	15
Naja melanoleuca	8578033	4	64
Naja mossambica	2377335	4	28
Naja multifasciata	1434730	4	11
Naja nigricincta	910166	4	14
Naja nigricollis	9252563	4	61
Naja nivea	1294572	4	16
Naja nubiae	765645	4	12
Naja pallida	1636379	4	19
Naja senegalensis	563765	3	5
Namazonurus campbelli	23604	2	3
Namazonurus lawrenci	5877	1	2
Namazonurus namaquensis	21714	2	3
Namazonurus peersi	26239	2	3
Namazonurus pustulatus	13998	2	2
Namibiana gracilior	51654	2	7
Namibiana labialis	248821	3	8
Namibiana latifrons	8087	1	4
Namibiana occidentalis	413686	3	9
Namibiana rostrata	23875	2	6
Narudasia festiva	253475	3	5
Natriciteres bipostocularis	735655	4	8
Natriciteres fuliginoides	4224190	4	28
Natriciteres olivacea	14553860	4	69
Natriciteres sylvatica	385446	3	16

Binomial	Range Size (km^2)	Quartile	Ecoregions
Natriciteres variegata	4114357	4	29
Natrix maura	1042815	4	8
Natrix natrix	129141	3	5
Natrix tessellata	42562	2	4
Ninurta coeruleopunctatus	16708	2	5
Nucras boulengeri	625919	3	16
Nucras caesicaudata	109993	3	6
Nucras holubi	761867	4	14
Nucras intertexta	1025613	4	14
Nucras lalandii	303827	3	16
Nucras livida	135027	3	7
Nucras ornata	1062419	4	19
Nucras scalaris	17122	2	1
Nucras taeniolata	60608	2	9
Nucras tessellata	652388	3	15
Ophisaurus koellikeri	141209	3	5
Ophisops elbaensis	15463	2	3
Ophisops elegans	269772	3	11
Ophisops occidentalis	367159	3	5
Osteolaemus tetraspis	5152855	4	29
Ouroborus cataphractus	95436	2	5
Pachydactylus acuminatus	66741	2	5
Pachydactylus affinis	132821	3	5
Pachydactylus amoenus	3349	1	3
Pachydactylus atorquatus	12850	2	2
Pachydactylus austeni	42283	2	4
Pachydactylus barnardi	33143	2	3
Pachydactylus bicolor	221794	3	6
Pachydactylus boehmei	11597	1	3
Pachydactylus capensis	1686816	4	19
Pachydactylus caraculicus	107360	3	5
Pachydactylus carinatus	321207	3	7
Pachydactylus etultra	11204	1	2
Pachydactylus fasciatus	131259	3	7
Pachydactylus formosus	66784	2	5
Pachydactylus gaiasensis	12940	2	2
Pachydactylus geitje	138096	3	7
Pachydactylus goodi	2675	1	2
Pachydactylus griffini	32900	2	3
Pachydactylus haackei	94511	2	5

Binomial	Range Size (km^2)	Quartile	Ecoregions
Pachydactylus katanganus	57666	2	2
Pachydactylus kladaroderma	28000	2	6
Pachydactylus kobosensis	22593	2	3
Pachydactylus labialis	112272	3	5
Pachydactylus laevigatus	6	1	1
Pachydactylus maculatus	339923	3	14
Pachydactylus maraisi	717	1	1
Pachydactylus mariquensis	602895	3	12
Pachydactylus mclachlani	32779	2	4
Pachydactylus monicae	34057	2	4
Pachydactylus montanus	105935	3	5
Pachydactylus namaquensis	26144	2	3
Pachydactylus oculatus	122997	3	8
Pachydactylus oreophilus	66716	2	4
Pachydactylus oshaughnessyi	500351	3	11
Pachydactylus otaviensis	11597	1	3
Pachydactylus parascutatus	11586	1	3
Pachydactylus punctatus	3162934	4	33
Pachydactylus purcelli	217690	3	9
Pachydactylus rangei	183343	3	5
Pachydactylus reconditus	90971	2	3
Pachydactylus robertsi	10927	1	2
Pachydactylus rugosus	421406	3	8
Pachydactylus sansteynae	54203	2	3
Pachydactylus scherzi	55514	2	4
Pachydactylus scutatus	202767	3	7
Pachydactylus serval	196060	3	5
Pachydactylus tigrinus	381479	3	7
Pachydactylus tsodiloensis	13251	2	4
Pachydactylus vansoni	362848	3	13
Pachydactylus vanzyli	40085	2	3
Pachydactylus visseri	51238	2	4
Pachydactylus waterbergensis	11525	1	3
Pachydactylus weberi	269697	3	9
Pachydactylus werneri	40313	2	2
Panaspis breviceps	936704	4	15
Panaspis burgeoni	1297	1	2
Panaspis cabindae	584478	3	10
Panaspis helleri	2095	1	2
Panaspis megalurus	19330	2	2

Binomial	Range Size (km^2)	Quartile	Ecoregions
Panaspis nimbaensis	541111	3	6
Panaspis tancredi	3	1	1
Panaspis togoensis	2678511	4	22
Pedioplanis benguellensis	37892	2	5
Pedioplanis breviceps	132838	3	5
Pedioplanis burchelli	374429	3	10
Pedioplanis gaerdesi	66589	2	3
Pedioplanis haackei	5742	1	4
Pedioplanis huntleyi	17457	2	3
Pedioplanis husabensis	15347	2	2
Pedioplanis inornata	250774	3	6
Pedioplanis laticeps	228158	3	7
Pedioplanis lineoocellata	1758421	4	22
Pedioplanis namaquensis	1248585	4	20
Pedioplanis rubens	7267	1	3
Pedioplanis undata	215556	3	8
Pelomedusa subrufa	19078944	4	93
Pelusios adansonii	4798150	4	21
Pelusios bechuanicus	1012204	4	12
Pelusios broadleyi	5625	1	3
Pelusios carinatus	972831	4	8
Pelusios castaneus	2161454	4	21
Pelusios castanoides	1030418	4	22
Pelusios chapini	1546690	4	15
Pelusios cupulatta	432756	3	12
Pelusios gabonensis	3841388	4	23
Pelusios marani	202973	3	4
Pelusios nanus	1801086	4	15
Pelusios niger	599670	3	15
Pelusios rhodesianus	4444493	4	46
Pelusios sinuatus	3361820	4	39
Pelusios subniger	3336351	4	33
Pelusios upembae	18346	2	2
Pelusios williamsi	120678	3	9
Phelsuma dubia	12229	2	3
Phelsuma parkeri	1018	1	1
Philochortus hardeggeri	234384	3	5
Philochortus intermedius	521988	3	12
Philochortus phillipsi	22	1	2
Philochortus spinalis	38	1	4

Binomial	Range Size (km^2)	Quartile	Ecoregions
Philochortus zolii	88328	2	8
Philothamnus angolensis	6918700	4	57
Philothamnus battersbyi	1256922	4	23
Philothamnus bequaerti	2299567	4	26
Philothamnus carinatus	3883690	4	31
Philothamnus dorsalis	2426260	4	21
Philothamnus heterodermus	3890759	4	30
Philothamnus heterolepidotus	6826402	4	43
Philothamnus hoplogaster	4369707	4	48
Philothamnus hughesi	2180342	4	19
Philothamnus irregularis	60424	2	3
Philothamnus macrops	27677	2	6
Philothamnus natalensis	591550	3	22
Philothamnus nitidus	3560355	4	36
Philothamnus ornatus	3343739	4	34
Philothamnus pobeguini	115768	3	7
Philothamnus punctatus	1817480	4	22
Philothamnus ruandae	51629	2	8
Philothamnus semivariegatus	15306507	4	86
Phoenicolacerta laevis	831	1	1
Platyceps brevis	122413	3	9
Platyceps florulentus	2134566	4	27
Platyceps karelini	166330	3	10
Platyceps messanai	3	1	1
Platyceps rhodorachis	69	1	8
Platyceps sinai	5615	1	2
Platyceps somalicus	3	1	1
Platyceps taylori	31	1	4
Platyceps tessellata	1481880	4	13
Platysaurus broadleyi	13031	2	3
Platysaurus capensis	45529	2	5
Platysaurus guttatus	19529	2	3
Platysaurus imperator	49355	2	3
Platysaurus intermedius	527197	3	9
Platysaurus lebomboensis	11875	1	3
Platysaurus maculatus	11777	1	2
Platysaurus minor	23388	2	2
Platysaurus mitchelli	6	1	1
Platysaurus monotropis	3450	1	2
Platysaurus ocellatus	23479	2	3

Binomial	Range Size (km^2)	Quartile	Ecoregions
Platysaurus orientalis	28276	2	4
Platysaurus pungweensis	45956	2	5
Platysaurus relictus	6581	1	2
Platysaurus torquatus	67947	2	4
Podarcis vaucheri	320280	3	6
Poecilopholis cameronensis	763	1	1
Polemon acanthias	310843	3	7
Polemon barthii	213120	3	5
Polemon bocourti	2012277	4	23
Polemon christyi	707413	3	12
Polemon collaris	2537245	4	24
Polemon fulvicollis	1856398	4	15
Polemon gabonensis	2125284	4	22
Polemon gracilis	184711	3	8
Polemon griseiceps	392001	3	7
Polemon neuwiedi	313290	3	6
Polemon notatus	691723	3	12
Polemon robustus	359692	3	11
Poromera fordii	658243	3	13
Pristurus adrarensis	46291	2	5
Pristurus crucifer	432459	3	8
Pristurus flavipunctatus	1415526	4	13
Pristurus phillipsii	416503	3	5
Pristurus rupestris	329579	3	7
Pristurus simonettai	93340	2	4
Pristurus somalicus	22	1	2
Proatheris superciliaris	66615	2	9
Proscelotes aenea	446	1	1
Proscelotes arnoldi	83194	2	3
Proscelotes eggeli	5991	1	3
Prosymna ambigua	4352841	4	27
Prosymna angolensis	978426	4	16
Prosymna bivittata	1061491	4	14
Prosymna frontalis	649145	3	13
Prosymna greigerti	3962080	4	21
Prosymna janii	117090	3	10
Prosymna lineata	558314	3	12
Prosymna meleagris	700407	3	14
Prosymna ornatissima	0	1	1
Prosymna pitmani	35613	2	6

Binomial	Range Size (km^2)	Quartile	Ecoregions
Prosymna ruspolii	35	1	3
Prosymna semifasciata	3	1	1
Prosymna somalica	22	1	3
Prosymna stuhlmanni	1513239	4	27
Prosymna sundevalli	489566	3	15
Prosymna visseri	132566	3	7
Psammobates geometricus	16026	2	3
Psammobates oculifer	1472095	4	16
Psammobates tentorius	702127	3	13
Psammodromus algirus	611871	3	7
Psammodromus blanci	170825	3	3
Psammodromus hispanicus	792	1	2
Psammodromus microdactylus	16981	2	4
Psammophis aegyptius	792472	4	12
Psammophis angolensis	6694235	4	51
Psammophis ansorgii	14429	2	2
Psammophis biseriatus	445996	3	13
Psammophis brevirostris	473919	3	12
Psammophis crucifer	726605	3	18
Psammophis elegans	3834960	4	18
Psammophis jallae	1379678	4	19
Psammophis leightoni	62892	2	4
Psammophis leopardinus	520211	3	11
Psammophis lineatus	6403335	4	46
Psammophis mossambicus	4302318	4	41
Psammophis namibensis	333852	3	7
Psammophis notostictus	1195841	4	18
Psammophis occidentalis	2702579	4	23
Psammophis orientalis	1214696	4	18
Psammophis phillipsi	2619417	4	22
Psammophis praeornatus	3484839	4	16
Psammophis pulcher	9	1	2
Psammophis punctulatus	545164	3	17
Psammophis rukwae	6411145	4	42
Psammophis schokari	11809250	4	29
Psammophis sibilans	6873999	4	41
Psammophis subtaeniatus	1973891	4	21
Psammophis sudanensis	2818475	4	30
Psammophis tanganicus	67381	2	12
Psammophis trigrammus	458614	3	11

Binomial	Range Size (km^2)	Quartile	Ecoregions
Psammophis trinasalis	1481264	4	18
Psammophis zambiensis	557041	3	6
Psammophylax acutus	1621150	4	19
Psammophylax rhombeatus	763329	4	21
Psammophylax togoensis	133886	3	6
Psammophylax tritaeniatus	3923553	4	35
Psammophylax variabilis	1686628	4	28
Pseudaspis cana	5308627	4	49
Pseuderemias brenneri	475538	3	9
Pseuderemias erythrosticta	224223	3	4
Pseuderemias mucronata	269317	3	10
Pseuderemias savagei	69720	2	2
Pseuderemias septemstriata	184016	3	3
Pseuderemias smithii	16	1	2
Pseuderemias striatus	1089715	4	12
Pseudoboodon boehmei	16	1	3
Pseudoboodon gascae	16	1	3
Pseudoboodon lemniscatus	126	1	5
Pseudoboodon sandfordorum	3	1	1
Pseudocerastes fieldi	47356	2	3
Pseudocordylus langi	31091	2	4
Pseudocordylus melanotus	150869	3	8
Pseudocordylus microlepidotus	220625	3	10
Pseudocordylus spinosus	16851	2	4
Pseudocordylus subviridis	80620	2	5
Pseudocordylus transvaalensis	25744	2	4
Pseudohaje goldii	3468584	4	27
Pseudohaje nigra	439594	3	7
Pseudotrapelus chlodnickii	3	1	1
Pseudotrapelus sinaitus	1872483	4	16
Ptenopus carpi	37373	2	3
Ptenopus garrulus	1272293	4	16
Ptenopus kochi	50760	2	3
Ptyodactylus guttatus	100467	2	7
Ptyodactylus hasselquistii	1060700	4	21
Ptyodactylus oudrii	419899	3	8
Ptyodactylus ragazzii	3744249	4	26
Python anchietae	455113	3	11
Python natalensis	5111353	4	52
Python regius	4793891	4	30

Binomial	Range Size (km^2)	Quartile	Ecoregions
Python sebae	10511560	4	55
Pythonodipsas carinata	213680	3	6
Quedenfeldtia moerens	80398	2	6
Quedenfeldtia trachyblepharus	19956	2	6
Ramigekko swartbergensis	7289	1	4
Rhagerhis moilensis	7984762	4	22
Rhamnophis aethiopissa	4495280	4	32
Rhamnophis batesii	895501	4	11
Rhamphiophis oxyrhynchus	4150466	4	19
Rhamphiophis rostratus	2529454	4	36
Rhamphiophis rubropunctatus	174178	3	14
Rhampholeon acuminatus	3	1	1
Rhampholeon beraduccii	3	1	2
Rhampholeon boulengeri	407421	3	11
Rhampholeon bruessoworum	3	1	1
Rhampholeon chapmanorum	1739	1	3
Rhampholeon gorongosae	14456	2	4
Rhampholeon hattinghi	3	1	1
Rhampholeon marshalli	82197	2	3
Rhampholeon maspictus	4	1	1
Rhampholeon moyeri	9	1	3
Rhampholeon nchisiensis	56285	2	4
Rhampholeon nebulauctor	3	1	1
Rhampholeon platyceps	13300	2	6
Rhampholeon spectrum	1595105	4	19
Rhampholeon spinosus	3252	1	3
Rhampholeon temporalis	4531	1	3
Rhampholeon tilburyi	10	1	1
Rhampholeon uluguruensis	5696	1	4
Rhampholeon viridis	10659	1	4
Rhinoleptus koniagui	314062	3	5
Rhinoleptus parkeri	3	1	1
Rhinotyphlops ataeniatus	6966	1	3
Rhinotyphlops boylei	287640	3	4
Rhinotyphlops lalandei	1402217	4	22
Rhinotyphlops schinzi	705760	3	8
Rhinotyphlops scortecci	1417	1	2
Rhinotyphlops unitaeniatus	89295	2	9
Rhoptropella ocellata	37025	2	4
Rhoptropus afer	84840	2	3

Binomial	Range Size (km^2)	Quartile	Ecoregions
Rhoptropus barnardi	117509	3	7
Rhoptropus benguellensis	9411	1	3
Rhoptropus biporosus	64972	2	3
Rhoptropus boultoni	216907	3	9
Rhoptropus bradfieldi	48662	2	2
Rhoptropus diporus	13445	2	2
Rhoptropus montanus	7282	1	4
Rhoptropus taeniostictus	27869	2	4
Rhynchocalamus melanocephalus	1839	1	1
Rieppeleon brachyurus	458888	3	12
Rieppeleon brevicaudatus	149781	3	8
Rieppeleon kerstenii	217647	3	16
Saurodactylus fasciatus	37832	2	3
Saurodactylus mauritanicus	222260	3	7
Scaphiophis albopunctatus	4547518	4	44
Scaphiophis raffreyi	86617	2	9
Scelotes anguineus	18385	2	8
Scelotes arenicolus	30457	2	8
Scelotes bidigittatus	47400	2	6
Scelotes bipes	60746	2	6
Scelotes bourquini	10645	1	3
Scelotes caffer	30316	2	7
Scelotes capensis	101756	2	5
Scelotes fitzsimonsi	12617	2	5
Scelotes gronovii	25267	2	3
Scelotes guentheri	5457	1	4
Scelotes inornatus	1940	1	3
Scelotes insularis	100	1	1
Scelotes kasneri	13956	2	3
Scelotes limpopoensis	45803	2	4
Scelotes mirus	85576	2	4
Scelotes montispectus	1688	1	3
Scelotes mossambicus	108253	3	11
Scelotes poensis	1844	1	2
Scelotes sexlineatus	49581	2	4
Scelotes uluguruensis	9	1	3
Scelotes vestigifer	5513	1	3
Scincella melanosticta	3	1	1
Scincopus fasciatus	3837915	4	18

Binomial	Range Size (km^2)	Quartile	Ecoregions
Scincus albifasciatus	1977994	4	14
Scincus scincus	8961920	4	23
Scolecoseps acontias	7057	1	3
Scolecoseps boulengeri	2206	1	1
Scolecoseps litipoensis	5	1	1
Sepsina alberti	40099	2	2
Sepsina angolensis	1143468	4	18
Sepsina bayoni	80437	2	4
Sepsina copei	66670	2	6
Sepsina tetradactyla	366358	3	13
Smaug barbertonensis	10140	1	2
Smaug breyeri	38472	2	2
Smaug depressus	7008	1	2
Smaug giganteus	121592	3	5
Smaug mossambicus	22775	2	3
Smaug regius	28022	2	3
Smaug vandami	45329	2	4
Smaug warreni	6965	1	3
Spalerosophis diadema	8103236	4	21
Spalerosophis dolichospilus	657621	3	9
Spalerosophis josephscorteccii	3	1	1
Sphenomorphus maculatus	3	1	1
Stellagama stellio	63270	2	7
Stenodactylus doriae	3131	1	3
Stenodactylus mauritanicus	181047	3	6
Stenodactylus petrii	7941780	4	26
Stenodactylus stenurus	21115	2	2
Stenodactylus sthenodactylus	7633085	4	29
Stigmochelys pardalis	7727481	4	63
Tarentola annularis	4556839	4	27
Tarentola boehmei	92590	2	6
Tarentola chazaliae	65001	2	3
Tarentola deserti	364346	3	5
Tarentola ephippiata	7423636	4	28
Tarentola fascicularis	236434	3	7
Tarentola mauritanica	970999	4	11
Tarentola mindiae	95310	2	3
Tarentola neglecta	1321377	4	11
Tarentola parvicarinata	779688	4	11
Tarentola pastoria	60263	2	3

Binomial	Range Size (km^2)	Quartile	Ecoregions
Teira perspicillata	142399	3	6
Telescopus beetzi	438917	3	8
Telescopus dhara	1744626	4	35
Telescopus finkeldeyi	32535	2	3
Telescopus gezirae	35874	2	2
Telescopus hoogstraali	2696	1	2
Telescopus pulcher	3	1	1
Telescopus semiannulatus	6097865	4	47
Telescopus tripolitanus	5383005	4	19
Telescopus variegatus	4084163	4	22
Testudo graeca	367932	3	7
Testudo kleinmanni	112111	3	6
Tetradactylus africanus	78958	2	13
Tetradactylus breyeri	34754	2	7
Tetradactylus eastwoodae	3	1	1
Tetradactylus ellenbergeri	409860	3	23
Tetradactylus seps	79107	2	11
Tetradactylus tetradactylus	84127	2	8
Tetradactylus udzungwensis	3	1	2
Thelotornis capensis	4929168	4	44
Thelotornis kirtlandii	4861443	4	32
Thelotornis mossambicanus	1532799	4	23
Thelotornis usambaricus	7621	1	6
Thrasops flavigularis	2394598	4	18
Thrasops jacksonii	4214599	4	23
Thrasops occidentalis	828770	4	10
Thrasops schmidti	41477	2	3
Timon pater	186043	3	4
Timon tangitanus	145181	3	6
Toxicodryas blandingii	6211332	4	37
Toxicodryas pulverulenta	4432275	4	31
Trachylepis acutilabris	235363	3	12
Trachylepis affinis	4289884	4	32
Trachylepis albilabris	422853	3	11
Trachylepis albotaeniata	911	1	1
Trachylepis angolensis	62757	2	2
Trachylepis aurata	64466	2	7
Trachylepis aureogularis	351277	3	6
Trachylepis bayonii	3871687	4	36
Trachylepis bensonii	146216	3	4

Binomial	Range Size (km^2)	Quartile	Ecoregions
Trachylepis binotata	296935	3	7
Trachylepis bocagii	68527	2	4
Trachylepis boulengeri	788783	4	13
Trachylepis brauni	1510	1	1
Trachylepis brevicollis	1261042	4	25
Trachylepis buettneri	784410	4	10
Trachylepis capensis	1736463	4	28
Trachylepis chimbana	161800	3	8
Trachylepis depressa	206648	3	12
Trachylepis dichroma	51220	2	11
Trachylepis ferrarai	43872	2	2
Trachylepis hemmingi	222206	3	4
Trachylepis hildebrandtii	379380	3	6
Trachylepis hoeschi	214884	3	5
Trachylepis homalocephala	247114	3	14
Trachylepis irregularis	21812	2	3
Trachylepis ivensii	478701	3	9
Trachylepis lacertiformis	333777	3	14
Trachylepis laevis	80740	2	5
Trachylepis loluiensis	6	1	1
Trachylepis maculilabris	4819687	4	54
Trachylepis makolowodei	496465	3	8
Trachylepis margaritifera	1861794	4	28
Trachylepis megalura	100350	2	29
Trachylepis mekuana	12229	2	3
Trachylepis mlanjensis	9	1	3
Trachylepis nganghae	12182	1	2
Trachylepis occidentalis	910876	4	13
Trachylepis pendeana	36512	2	3
Trachylepis perrotetii	5412087	4	28
Trachylepis planifrons	1025398	4	19
Trachylepis polytropis	1495223	4	18
Trachylepis pulcherrima	18504	2	1
Trachylepis punctatissima	1071883	4	19
Trachylepis punctulata	1254485	4	17
Trachylepis quinquetaeniata	6965704	4	44
Trachylepis rodenburgi	109641	3	5
Trachylepis sparsa	179958	3	4
Trachylepis spilogaster	698522	3	11
Trachylepis striata	6355975	4	59

Binomial	Range Size (km^2)	Quartile	Ecoregions
Trachylepis sulcata	1074751	4	18
Trachylepis varia	6022944	4	63
Trachylepis variegata	769443	4	14
Trachylepis vittata	308956	3	8
Trachylepis wingati	60737	2	4
Trapelus agnetae	43313	2	4
Trapelus boehmei	2440872	4	12
Trapelus mutabilis	6040626	4	20
Trapelus savignii	32079	2	4
Trapelus schmitzi	102904	2	5
Trapelus tournevillei	415653	3	4
Tricheilostoma bicolor	2250656	4	11
Tricheilostoma broadleyi	34044	2	2
Tricheilostoma dissimilis	12046	1	1
Tricheilostoma greenwelli	841	1	1
Tricheilostoma sundewalli	357349	3	5
Trioceros affinis	96	1	4
Trioceros balebicornutus	9	1	1
Trioceros bitaeniatus	552572	3	21
Trioceros camerunensis	54305	2	8
Trioceros chapini	604193	3	7
Trioceros conirostratus	49071	2	5
Trioceros cristatus	1326031	4	17
Trioceros deremensis	8155	1	6
Trioceros eisentrauti	12102	1	4
Trioceros ellioti	192822	3	15
Trioceros feae	909	1	2
Trioceros fuelleborni	16	1	1
Trioceros goetzei	38798	2	6
Trioceros hanangensis	786	1	3
Trioceros harennae	13	1	2
Trioceros hoehnelii	52236	2	6
Trioceros incornutus	11664	1	3
Trioceros ituriensis	452229	3	13
Trioceros jacksonii	246696	3	12
Trioceros johnstoni	88157	2	8
Trioceros kinangopensis	3	1	1
Trioceros kinetensis	49068	2	5
Trioceros laterispinis	16473	2	6
Trioceros marsabitensis	3	1	1

Binomial	Range Size (km^2)	Quartile	Ecoregions
Trioceros melleri	314972	3	10
Trioceros montium	42735	2	6
Trioceros narraioca	3	1	2
Trioceros ntunte	3	1	1
Trioceros nyirit	9	1	2
Trioceros oweni	1820092	4	17
Trioceros perreti	13	1	1
Trioceros pfefferi	61037	2	6
Trioceros quadricornis	61037	2	6
Trioceros rudis	101304	2	11
Trioceros schoutedeni	4906	1	2
Trioceros schubotzi	5843	1	3
Trioceros serratus	73336	2	5
Trioceros sternfeldi	25	1	3
Trioceros tempeli	27451	2	6
Trioceros werneri	41	1	4
Trioceros wiedersheimi	97648	2	7
Trionyx triunguis	6473040	4	53
Trogonophis wiegmanni	561294	3	7
Tropidosaura cottrelli	3179	1	2
Tropidosaura essexi	10708	1	3
Tropidosaura gularis	72957	2	6
Tropidosaura montana	116612	3	12
Tropiocolotes algericus	455052	3	8
Tropiocolotes bisharicus	72265	2	5
Tropiocolotes nattereri	57552	2	6
Tropiocolotes nubicus	226469	3	4
Tropiocolotes somalicus	9069	1	3
Tropiocolotes steudneri	2758559	4	14
Tropiocolotes tripolitanus	5117914	4	15
Typhlacontias brevipes	53999	2	3
Typhlacontias gracilis	101456	2	5
Typhlacontias johnsonii	21915	2	2
Typhlacontias kataviensis	6	1	1
Typhlacontias punctatissimus	31551	2	2
Typhlacontias rohani	584054	3	15
Typhlacontias rudebecki	2436	1	2
Typhlops caecatus	176879	3	4
Typhlops zenkeri	1122	1	2
Typhlosaurus braini	38551	2	3

Binomial	Range Size (km^2)	Quartile	Ecoregions
Typhlosaurus caecus	27088	2	3
Typhlosaurus lomiae	12349	2	3
Typhlosaurus meyeri	35339	2	3
Typhlosaurus vermis	20263	2	3
Urocotyledon palmata	88612	2	8
Urocotyledon rasmusseni	3	1	2
Urocotyledon weileri	17712	2	6
Urocotyledon wolterstorffi	8846	1	4
Uromastyx acanthinura	1193346	4	8
Uromastyx aegyptia	137146	3	7
Uromastyx alfredschmidti	401935	3	2
Uromastyx dispar	5079394	4	14
Uromastyx geyri	800537	4	4
Uromastyx macfadyeni	111981	3	3
Uromastyx nigriventris	1133583	4	8
Uromastyx occidentalis	317326	3	6
Uromastyx ocellata	1486708	4	13
Uromastyx ornata	24139	2	2
Uromastyx princeps	143344	3	6
Varanus albigularis	8440621	4	61
Varanus exanthematicus	7570582	4	39
Varanus griseus	9917829	4	23
Varanus niloticus	12479054	4	87
Varanus ornatus	3136992	4	28
Vhembelacerta rupicola	15435	2	3
Vipera latastei	39042	2	3
Vipera monticola	55353	2	5
Walterinnesia aegyptia	88480	2	7
Xenagama batillifera	38	1	4
Xenagama taylori	50880	2	4
Xenagama wilmsi	31	1	4
Xenagama zonura	16	1	2
Xenocalamus bicolor	2926361	4	31
Xenocalamus mechowii	2456932	4	22
Xenocalamus michellii	164277	3	2
Xenocalamus sabiensis	73938	2	7
Xenocalamus transvaalensis	53974	2	7
Xerotyphlops etheridgei	3088	1	3
Xerotyphlops vermicularis	34001	2	5
Xyelodontophis uluguruensis	758	1	2

Binomial	**Range Size (km^2)**	**Quartile**	**Ecoregions**
Zygaspis dolichomenta	4682	1	3
Zygaspis ferox	34742	2	3
Zygaspis kafuensis	11261	1	4
Zygaspis nigra	503234	3	8
Zygaspis quadrifrons	3285814	4	31
Zygaspis vandami	44992	2	9
Zygaspis violacea	64648	2	8

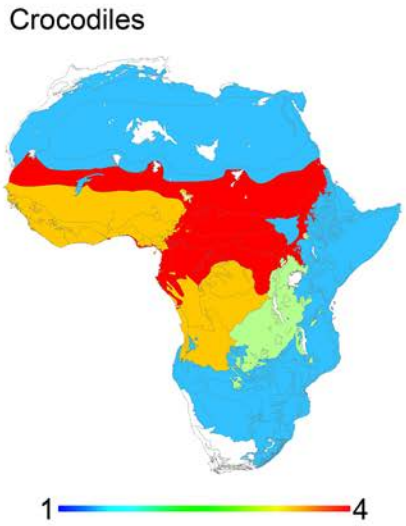
Appendix S5. Percentage of species present in top ten richest ecoregions of vertebrate classes (a-d) and reptile groups (e-h).

Taxon	**Ecoregion**
a) Reptiles	
20	Northern Congolian forest-savanna mosaic
19	East Sudanian savanna
19	Central Zambezian Miombo woodlands
19	Guinean forest-savanna mosaic
18	Zambezian and Mopane woodlands
18	Drakensberg montane grasslands, woodlands and forests
17	Somali Acacia-Commiphora bushlands and thickets
16	Zambezian flooded grasslands
16	Northern Zanzibar-Inhambane coastal forest mosaic
16	Albertine Rift montane forests
b) Amphibians	
22	Northern Congolian forest-savanna mosaic
22	Cameroonian Highlands forests
20	Cross-Sanaga-Bioko coastal forests
19	Central Zambezian Miombo woodlands
18	Zambezian flooded grasslands
18	Eastern Arc forests
17	Eastern Miombo woodlands
16	Western Congolian forest-savanna mosaic
16	Albertine Rift montane forests
16	Guinean forest-savanna mosaic
c) Birds	
54	East Sudanian savanna
52	Victoria Basin forest-savanna mosaic
51	Central Zambezian Miombo woodlands
49	Northern Congolian forest-savanna mosaic
49	Albertine Rift montane forests
49	East African montane forests
48	Northern Acacia-Commiphora bushlands and thickets
46	Southern Acacia-Commiphora bushlands and thickets
44	Northeastern Congolian lowland forests
43	Guinean forest-savanna mosaic
d) Mammals	
29	Victoria Basin forest-savanna mosaic
29	East Sudanian savanna

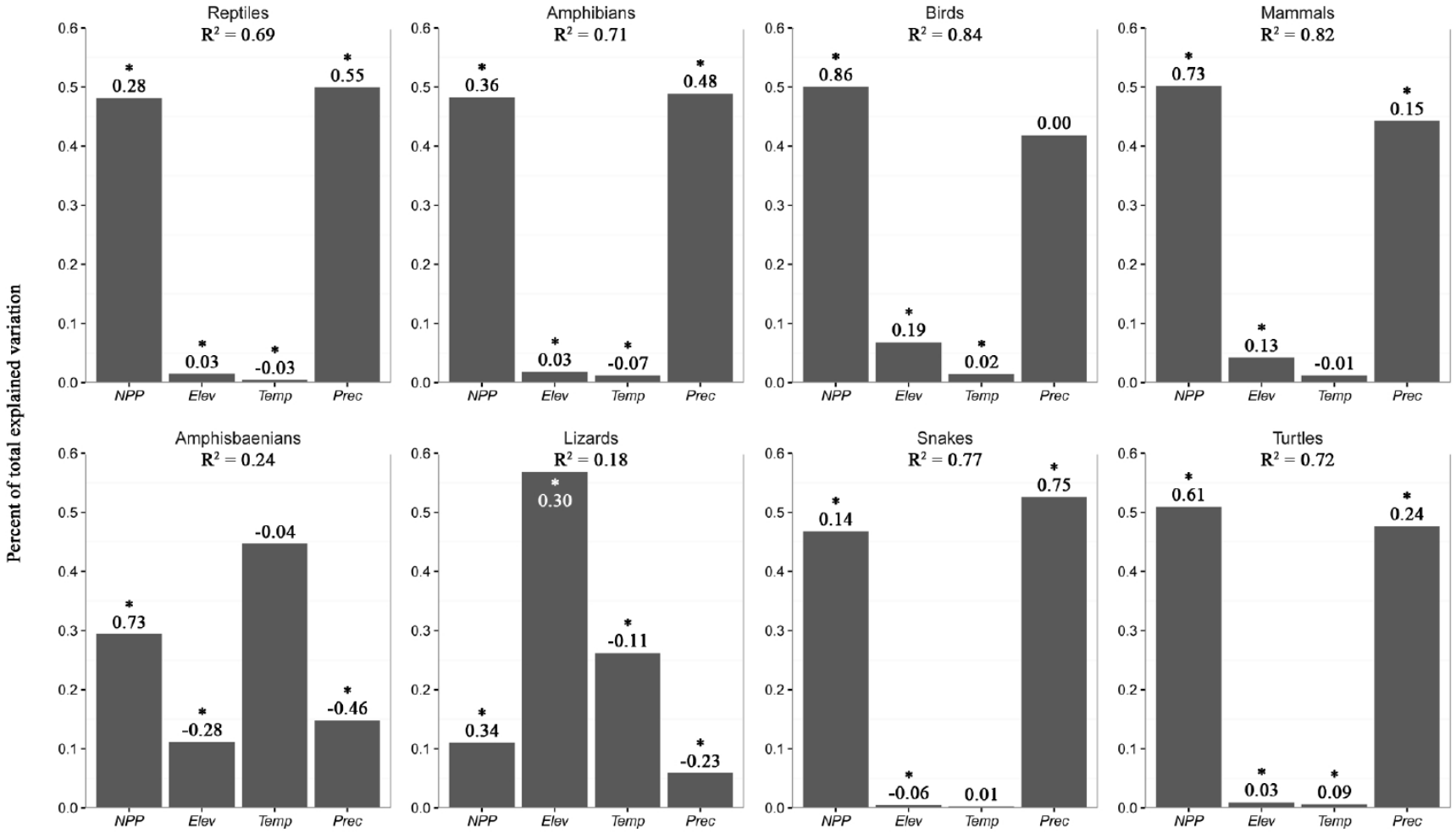
29	Central Zambezian Miombo woodlands
29	Northern Congolian forest-savanna mosaic
28	Albertine Rift montane forests
27	Northern Zanzibar-Inhambane coastal forest mosaic
27	Northern Acacia-Commiphora bushlands and thickets
27	Southern Acacia-Commiphora bushlands and thickets
26	East African montane forests
26	Northeastern Congolian lowland forests
e) Amphisbaenians	
25	Zambezian and Mopane woodlands
23	Central Zambezian Miombo woodlands
21	Southern Miombo woodlands
20	Guinean forest-savanna mosaic
17	East African mangroves
17	Southern Zanzibar-Inhambane coastal forest mosaic
15	Zambezian flooded grasslands
15	Southern Africa bushveld
15	Zambezian Baikiaea woodlands
14	Western Congolian forest-savanna mosaic
f) Lizards	
17	Drakensberg montane grasslands, woodlands and forests
16	Somali Acacia-Commiphora bushlands and thickets
15	Zambezian and Mopane woodlands
15	Nama Karoo
15	Namibian savanna woodlands
14	Succulent Karoo
13	Central Zambezian Miombo woodlands
13	Northern Zanzibar-Inhambane coastal forest mosaic
13	Northern Congolian forest-savanna mosaic
12	Guinean forest-savanna mosaic
g) Snakes	
33	East Sudanian savanna
32	Northern Congolian forest-savanna mosaic
28	Central Zambezian Miombo woodlands
28	Guinean forest-savanna mosaic
26	Northeastern Congolian lowland forests
26	Central African mangroves
26	Albertine Rift montane forests
25	Northwestern Congolian lowland forests
25	Victoria Basin forest-savanna mosaic
25	Southern Congolian forest-savanna mosaic

h) Turtles	
34	Northern Congolian forest-savanna mosaic
34	Drakensberg montane grasslands, woodlands and forests
32	East Sudanian savanna
32	Central Zambezian Miombo woodlands
32	Northeastern Congolian lowland forests
32	Central African mangroves
32	Northwestern Congolian lowland forests
30	Guinean forest-savanna mosaic
30	Albertine Rift montane forests
30	Zambezian and Mopane woodlands

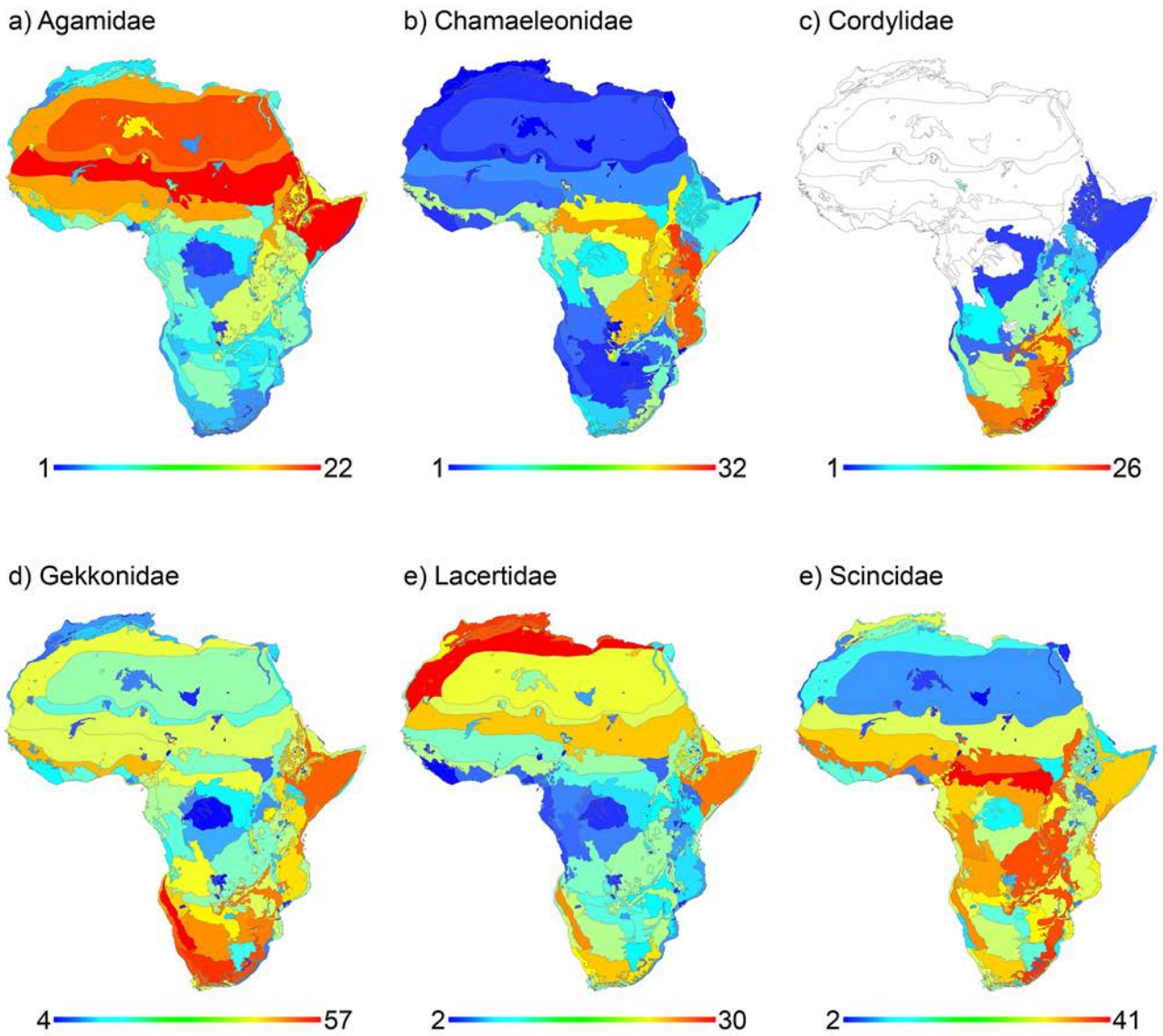
Appendix S6. Species richness of crocodiles within African ecoregions. Colour codes correspond to species numbers in ecoregion from low (blue) to high (red).



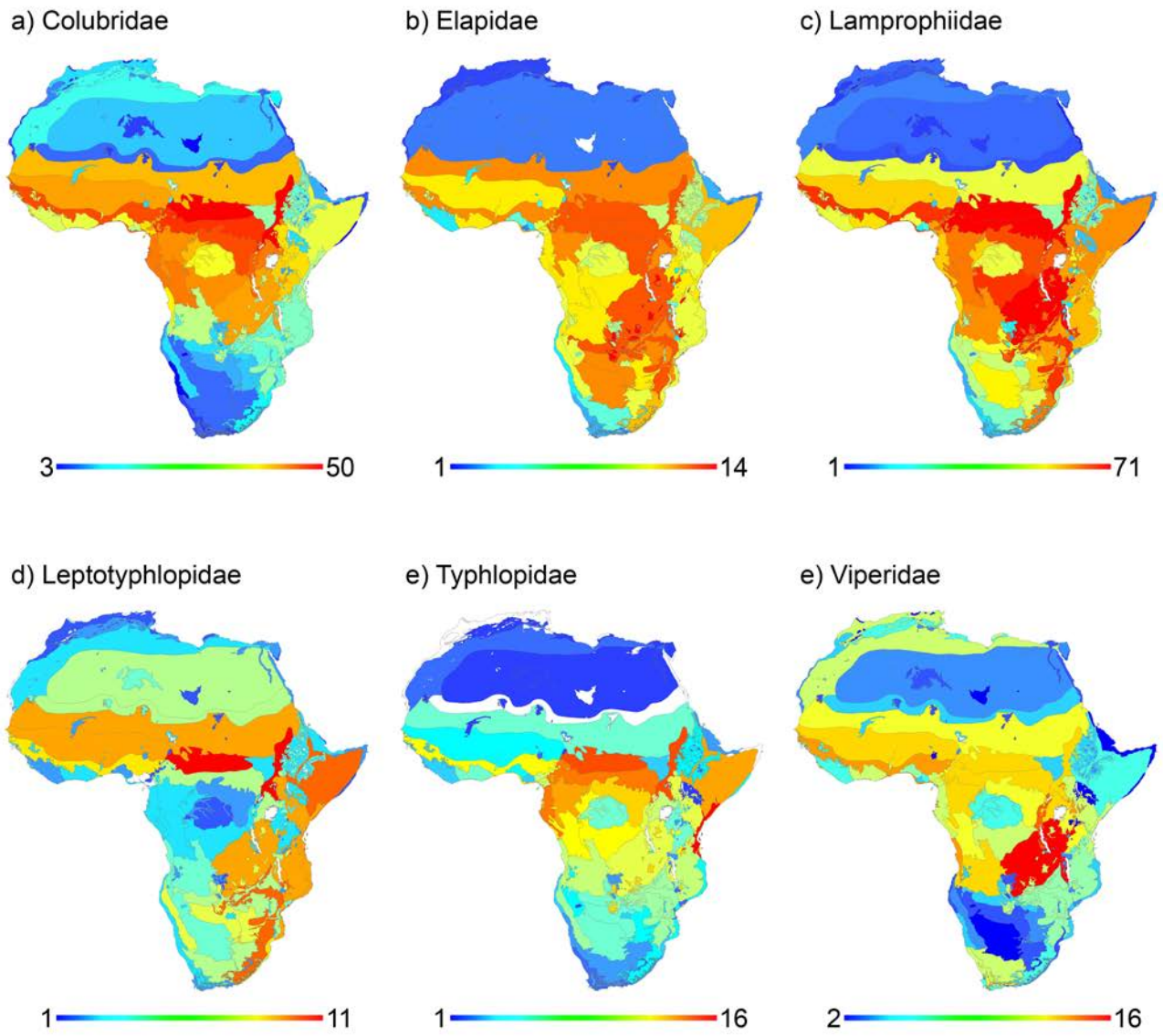
Appendix S7. Relative importance of species richness predictors at Behrmann Grid (1° scale). Numbers above bins are regression coefficients as single predictors, * significant *P*-values for variable as single predictor. (3,108 DF.)



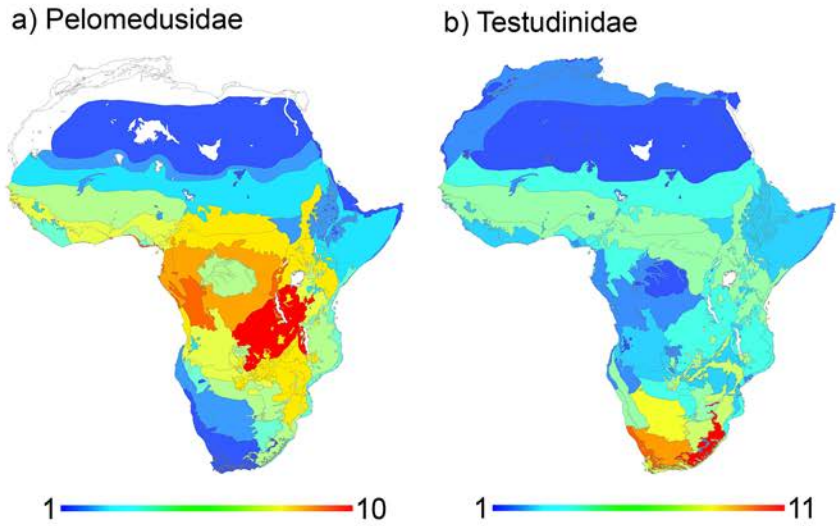
Appendix S8. Lizard family species richness within African ecoregions (only richest families displayed). Colour codes correspond to species numbers in ecoregion from low (blue) to high (red). White denotes no species.



Appendix S9. Snake family species richness within African ecoregions (only richest families displayed). Colour codes correspond to species numbers in ecoregion from low (blue) to high (red). White denotes no species.



Appendix S10. Turtle family species richness within African ecoregions (only richest families displayed). Colour codes correspond to species numbers in ecoregion from low (blue) to high (red). White denotes no species.



Ecoregion	Temp	NPP	Elev	Prec	Area	Reptiles	Reptiles Q1	Reptiles Q2	Reptiles Q3	Reptiles Q4	Amphisbae	Lizards	Lizards Q1	Lizards Q2	Lizards Q3	Lizards Q4	Snakes	Snakes Q1	Snakes Q2	Snakes Q3	Snakes Q4	Turtles	Crocodiles
Albany thickets	17.11	11.063	1012	384.377	17045	120	6	24	46	44	0	73	5	21	28	19	40	1	3	13	23	7	0
Albertine Rift montane forests	19.38	11.866	1967	1354.01	103404	252	15	20	34	183	3	91	14	13	17	47	142	1	6	15	120	14	2
Angolan Miombo woodlands	20.87	11.774	1669	1137.04	657507	230	7	22	47	154	10	93	5	18	28	42	114	1	2	16	95	10	3
Angolan montane forest-grassland mosaic	19.7	11.832	766	1192.23	25418	140	5	13	30	92	1	63	5	10	20	28	70	0	2	10	58	5	1
Angolan Mopane woodlands	22	11.323	1014	491.564	133028	167	8	16	44	99	6	87	8	13	29	37	66	0	3	14	49	7	1
Angolan scarp savanna and woodlands	24.6	11.666	1438	729.32	73873	192	5	12	32	143	2	61	3	10	16	32	115	1	1	15	98	11	3
Arabian Desert and East Sahero-Arabian xeric shrublands	18.59	10.362	1644	51.148	49078	78	16	14	15	33	0	42	8	9	7	18	33	8	5	7	13	2	1
Atlantic coastal desert	22.57	10.431	145	40.653	39179	65	1	2	12	50	0	43	1	2	8	32	21	0	0	4	17	1	0
Atlantic Equatorial coastal forests	24.53	11.761	792	1969.68	186932	221	7	14	43	157	6	68	0	11	23	34	130	6	1	14	109	13	4
Cameroonian Highlands forests	21.9	11.698	1638	1943.62	37879	230	7	21	29	173	1	85	6	20	16	43	128	1	1	9	117	13	3
Central African mangroves	26.51	11.381	92	2725.97	27472	252	3	23	52	174	3	87	2	21	26	38	143	0	1	22	120	15	4
Central Congolian lowland forests	24.86	11.979	283	1883.97	412882	150	3	2	18	127	6	35	1	0	10	24	98	1	0	6	91	8	3
Central Zambezian Miombo woodlands	21.62	11.788	1645	1100.82	1179319	307	24	36	60	188	16	120	16	17	33	54	154	4	13	21	116	15	2
Cross-Niger transition forests	26.56	11.697	159	2269	20624	131	1	4	16	110	1	39	0	4	9	26	78	0	0	5	73	10	3
Cross-Sanaga-Bioko coastal forests	25.38	11.701	1335	2572.94	51657	209	9	19	31	150	3	75	5	18	19	33	115	2	1	8	104	13	3
Drakensberg alti-montane grasslands and woodlands	9.94	11.509	1614	828.073	11894	84	4	12	27	41	0	40	3	11	13	13	41	1	1	13	26	3	0
Drakensberg montane grasslands, woodlands and forests	15.81	11.555	2620	762.402	201962	286	32	60	80	114	9	161	29	46	42	44	99	2	12	28	57	16	1
East African halophytics	23.41	11.388	785	525.111	2626	84	0	4	11	69	0	34	0	3	6	25	42	0	1	4	37	7	1
East African mangroves	25.86	11.828	42	1123.83	14508	214	24	26	53	111	12	84	8	11	27	38	106	14	11	22	59	11	1
East African montane forests	17.59	11.719	2595	1093.24	65199	215	19	27	33	136	0	97	15	19	20	43	107	3	8	12	84	10	1
East African montane moorlands	10.37	11.413	1517	1516.3	3273	135	8	14	21	92	0	56	6	11	11	28	71	2	3	9	57	7	1
East Saharan montane xeric woodlands	24.3	10.616	1208	139.119	27775	54	0	1	0	53	0	29	0	1	0	28	23	0	0	0	23	2	0
East Sudanian savanna	26.17	11.651	1689	1057.61	913702	308	12	30	46	220	2	108	7	18	16	67	179	3	12	28	136	15	4
Eastern Arc forests	20.21	11.756	1722	1126.39	23556	213	48	24	40	101	2	103	32	15	22	34	98	15	8	17	58	9	1
Eastern Congolian swamp forests	25.26	11.934	217	1868.73	92315	152	3	2	19	128	3	37	1	1	11	24	100	1	0	7	92	9	3
Eastern Guinean forests	26.13	11.82	705	1412.19	187842	182	5	8	36	133	3	56	1	7	15	33	108	1	1	18	88	12	3
Eastern Miombo woodlands	23.83	11.786	1931	1160.28	482013	228	50	28	43	107	10	108	29	16	26	37	99	17	9	15	58	10	1
Eastern Zimbabwe montane forest-grassland mosaic	16.93	11.782	744	1193.79	7804	138	0	16	29	93	4	59	0	11	14	34	65	0	3	14	48	9	1
Eritrean coastal desert	30.03	10.462	267	75.539	4397	40	3	2	9	26	0	26	0	1	9	16	13	3	1	0	9	1	0
Ethiopian montane forests	21.17	11.593	1838	1032.47	247734	203	29	23	41	110	0	113	17	15	31	50	83	12	8	10	53	6	1
Ethiopian montane grasslands and woodlands	17.9	11.637	2288	1164.85	244349	159	17	15	26	101	0	83	8	9	19	47	69	9	6	7	47	6	1
Ethiopian montane moorlands	13.56	11.639	2330	1141.16	25049	77	9	3	8	57	0	31	6	2	5	18	40	3	1	3	33	5	1
Ethiopian xeric grasslands and shrublands	28.17	10.53	1301	192.427	151343	134	13	14	42	65	1	82	4	9	36	33	45	9	5	5	26	5	1
Etosha Pan halophytics	22.69	11.141	32	439.478	7208	75	0	1	15	59	4	32	0	1	10	21	35	0	0	5	30	3	1
Guinean forest-savanna mosaic	26.45	11.67	1289	1441.13	668860	298	19	31	63	185	14	114	3	27	31	53	153	4	4	27	118	14	3
Guinean mangroves	26.7	11.623	120	2408.48	22096	174	2	6	40	126	4	49	0	5	13	31	107	0	1	23	83	11	3
Guinean montane forests	23.74	11.809	745	1830.18	30924	155	1	4	32	118	1	47	0	4	14	29	96	1	0	17	78	8	3
Highveld grasslands	15.66	11.421	979	643.151	185863	156	2	23	44	88	4	74	1	19	23	31	67	0	4	16	47	10	1
Hobyo grasslands and shrublands	26.97	10.944	321	280.347	25217	84	7	12	28	37	3	58	2	8	26	22	17	5	3	0	9	5	1
Inner Niger Delta flooded savanna	27.95	10.843	56	342.936	45868	91	0	2	4	85	0	37	0	1	0	36	48	0	1	4	43	5	1
Itigi-Sumbu thicket	22.78	11.455	603	847.333	7809	119	1	2	14	102	1	38	1	1	7	29	70	0	1	6	63	8	2
Jos Plateau forest-grassland mosaic	23.5	11.539	757	1243.8	13281	94	0	3	3	88	0	31	0	3	3	25	54	0	0	0	54	6	3
Kalahari Acacia-Baikiaea woodlands	21.09	11.233	702	435.631	334545	176	5	9	49	114	9	78	4	9	24	41	79	0	0	20	59	9	1
Kalahari xeric savanna	19.5	11.04	1154	333.194	586846	188	6	18	66	99	7	97	5	17	36	39	74	0	1	24	49	9	1
Kaokoveld desert	20.03	10.552	978	130.532	45220	143	6	26	41	70	0	85	5	24	27	29	52	1	2	14	35	5	1
Knysna-Amatole montane forests	15.86	11.387	919	810.3	3049	99	1	21	40	37	0	56	1	20	21	14	36	0	1	14	21	7	0
KwaZulu-Cape coastal forest mosaic	19.36	11.753	652	950.237	17505	147	5	26	44	72	1	67	5	18	20	24	68	0	6	21	41	10	1
Lake Chad flooded savanna	27.32	10.717	321	351.776	18761	111	0	2	6	103	0	38	0	0	3	35	63	0	2	2	59	7	3
Lowland fynbos and renosterveld	16.87	11.407	881	526.92	32148	136	8	39	46	43	0	86	6	33	29	18	43	2	4	14	23	7	0
Mandara Plateau mosaic	25.1	11.494	382	926.167	7479	85	0	2	2	81	0	23	0	1	0	22	51	0	1	2	48	8	3
Maputaland coastal forest mosaic	22.38	11.559	444	774.427	29955	140	3	21	32	84	5	53	3	10	14	26	72	0	8	16	48	9	1
Maputaland-Pondoland bushland and thickets	17.7	11.746	1286	801.159	19506	151	7	31	45	68	0	78	7	24	23	24	62	0	6	18	38	10	1
Masai xeric grasslands and shrublands	26.63	11.028	1039	336.341	100505	110	5	5	26	74	0	48	4	3	14	27	54	0	2	11	41	7	1
Mediterranean acacia-argania dry woodlands and succulent thickets	17.86	10.887	1742	252.344	97230	77	0	12	28	37	2	49	0	11	16	22	24	0	1	9	14	2	0
Mediterranean conifer and mixed forests	14.06	11.158	2496	697.518	22958	80	5	15	37	23	4	57	4	12	23	18	16	0	2	10	4	3	0
Mediterranean dry woodlands and steppe	16.67	10.735	1813	234.75	291558	117	2	18	47	50	2	73	2	12	27	32	36	0	6	15	15	5	1
Mediterranean High Atlas juniper steppe	9.04	11.202	647	531.1	6328	58	0	10	27	21	2	38	0	9	15	14	15	0	1	8	6	3	0
Mediterranean woodlands and forests	16.08	11.128	2636	455.768	356235	121	10	19	48	44	4	79	8	15	29	27	34	1	3	14	16	4	0
Mesopotamian shrub desert	NA	NA	NA	NA	16	42	5	8	6	23	0	25	3	5	3	14	16	2	3	3	8	0	1
Montane fynbos and renosterveld	15.25	11.145	1480	454.169	45717	171	16	53	56	46	0	110	14	43	33	20	52	2	8	18	24	9	0
Mount Cameroon and Bioko montane forests	19.23	NA	1127	2843.5	1141	155	5	14	23	113	1	57	4	13	16	24	86	1	1	4	80	8	3
Nama Karoo	17.14	10.833	1385	243.202	350726	217	17	57	75	69	4	140	14	47	47	32	63	2	8	21	32	10	0
Namib desert	17.68	10.506	1594	54.778	80500	140	4	41	48	47	2	90	4	34	33	19	42	0	6	13	23	6	0
Namibian savanna woodlands	19.8	10.858	1541	216.644	224903	223	8	54	66	95	4	135	7	48	44	36	75	1	5	19	50	8	1
Niger Delta swamp forests	26.63	11.651	31	2703.1	14330	114	1	0	12	101	1	29	0	0	6	23	73	0	0	4	69	8	3

Nigerian lowland forests	26.35	11.709	546	1662.41	66785	158	4	6	17	131	0	48	2	6	8	32	96	2	0	7	87	11	3
Nile Delta flooded savanna	22.01	11.029	340	29.329	50516	71	0	9	17	45	0	40	0	5	10	25	28	0	4	6	18	2	1
North Saharan steppe and woodlands	22.03	10.358	1564	56.959	1673281	148	4	20	53	71	1	96	2	16	34	44	46	2	4	16	24	4	1
Northeastern Congolian lowland forests	24.25	11.988	1209	1758.77	531067	249	2	17	38	192	3	82	2	14	18	48	145	0	2	18	125	15	4
Northern Acacia-Commiphora bushlands and thickets	23.91	11.448	2450	609.643	324482	243	33	36	43	131	1	110	19	21	27	43	118	13	14	14	77	13	1
Northern Congolian forest-savanna mosaic	24.65	11.824	1265	1461.52	705006	312	8	30	54	220	2	116	6	25	24	61	174	2	5	26	141	16	4
Northern Zanzibar-Inhambane coastal forest mosaic	26.36	11.62	905	847.684	111669	255	64	35	51	105	6	120	36	19	29	36	117	27	13	19	58	11	1
Northwestern Congolian lowland forests	24.06	11.948	700	1637.43	432190	241	4	20	39	178	4	80	0	14	22	44	138	4	3	13	118	15	4
Red Sea coastal desert	23.2	10.223	992	17.538	58162	72	1	12	11	48	0	51	0	10	8	33	19	1	2	3	13	1	1
Red Sea Nubo-Sindian tropical desert and semi-desert	20.54	10.404	885	11.692	7874	56	9	12	7	28	0	36	6	8	4	18	19	3	4	3	9	0	1
Rwenzori-Virunga montane moorlands	14.73	11.731	2162	1523.88	2661	152	6	10	20	116	0	46	6	8	9	23	96	0	2	10	84	8	2
Sahara desert	24.46	10.31	1203	12.789	4629413	120	1	13	27	79	0	77	0	9	19	49	38	1	4	8	25	4	1
Saharan flooded grasslands	27.56	11.6	96	859.928	178952	131	0	12	17	102	0	47	0	6	7	34	75	0	6	9	60	8	1
Saharan halophytics	21.95	10.286	469	62.067	53836	99	0	4	37	58	1	64	0	4	22	38	30	0	0	11	19	4	0
Sahelian Acacia savanna	27.94	10.787	1807	311.571	3042284	234	4	22	39	169	1	105	2	12	21	70	114	2	10	16	86	10	4
Serengeti volcanic grasslands	19.98	11.667	1150	720.868	17948	104	1	9	17	77	0	45	1	7	9	28	52	0	2	7	43	6	1
Somali Acacia-Commiphora bushlands and thickets	25.91	11.085	1907	357.061	1049031	273	59	41	67	106	3	144	28	24	49	43	118	31	16	16	55	7	1
Somali montane xeric woodlands	24.92	10.552	1860	134.941	61940	103	10	10	40	43	1	73	6	8	37	22	25	4	2	2	17	3	1
South Malawi montane forest-grassland mosaic	22.43	11.664	1494	1188.13	10191	109	4	10	15	80	2	47	4	6	9	28	50	0	4	5	41	9	1
South Saharan steppe and woodlands	27.66	10.316	1033	54.919	1098254	103	1	9	17	76	0	69	1	9	11	48	29	0	0	6	23	4	1
Southern Acacia-Commiphora bushlands and thickets	21.73	11.647	1584	778.896	226770	222	25	29	41	127	3	95	13	21	24	37	111	10	7	15	79	12	1
Southern Africa bushveld	19.79	11.407	1359	551.786	222541	214	16	30	53	116	11	108	14	22	28	44	84	0	6	20	58	10	1
Southern Africa mangroves	21.13	11.856	57	1010.25	946	128	4	21	35	68	3	50	4	10	15	21	66	0	8	19	39	8	1
Southern Congolian forest-savanna mosaic	24.26	11.879	1264	1535.42	567187	224	4	10	40	170	7	67	1	7	20	39	135	1	1	17	116	12	3
Southern Miombo woodlands	21.12	11.654	1631	851.132	406913	210	5	29	50	127	15	87	1	16	27	43	96	2	8	18	68	11	1
Southern Rift montane forest-grassland mosaic	18.03	11.729	1501	1280.1	33360	142	9	12	22	99	1	65	8	9	14	34	66	1	3	8	54	9	1
Southern Zanzibar-Inhambane coastal forest mosaic	24.56	11.722	1251	1014.29	145220	184	23	24	39	98	12	79	14	10	21	34	83	6	10	15	52	9	1
Succulent Karoo	16.56	10.804	1529	160.199	102202	189	16	63	64	46	0	129	16	52	42	19	49	0	8	17	24	11	0
Tibesti-Jebel Uweinat montane xeric woodlands	20.46	10.171	1940	24.961	82009	37	0	0	0	37	0	25	0	0	0	25	12	0	0	0	12	0	0
Victoria Basin forest-savanna mosaic	21.89	11.834	1674	1191.36	165042	237	10	27	40	160	0	88	8	20	21	39	134	2	7	17	108	13	2
West Saharan montane xeric woodlands	23.21	10.198	2003	35.476	257450	73	2	3	7	61	0	48	0	3	5	40	24	2	0	2	20	1	0
West Sudanian savanna	27.21	11.36	837	874.914	1631703	230	8	16	46	160	3	90	3	13	20	54	121	3	3	22	93	13	3
Western Congolian forest-savanna mosaic	23.73	11.766	1310	1426.33	411422	236	1	17	42	176	10	78	0	11	24	43	132	1	0	13	118	13	3
Western Congolian swamp forests	25.21	11.974	133	1715.22	128060	184	2	5	27	150	2	54	1	3	15	35	115	1	1	11	102	9	4
Western Guinean lowland forests	25.66	11.859	722	2455.25	203812	152	3	7	31	111	3	46	0	6	14	26	91	1	1	15	74	9	3
Western Zambezian grasslands	21.44	11.675	258	1010.48	33890	107	0	3	13	92	7	33	0	2	5	26	59	0	0	5	54	7	1
Zambezian and Mopane woodlands	23.06	11.621	1699	694.846	471874	294	16	58	78	143	18	140	12	39	40	49	121	1	13	31	76	14	1
Zambezian Baikiaea woodlands	21.83	11.564	570	661.511	263554	184	0	8	42	134	11	77	0	6	24	47	86	0	1	13	72	9	1
Zambezian coastal flooded savanna	24.98	11.834	102	1061.72	19454	100	1	7	13	79	5	32	0	3	4	25	55	1	3	7	44	7	1
Zambezian Cryptosepalum dry forests	21.49	11.73	296	1039.49	38085	103	0	2	12	90	7	31	0	1	5	25	57	0	0	4	53	7	1
Zambezian flooded grasslands	22.14	11.661	1035	916.977	152878	256	16	25	51	165	11	106	10	16	26	54	124	5	7	19	93	13	2
Zambezian halophytics	22.43	11.151	916	432.806	30289	130	0	9	18	103	8	51	0	4	10	37	60	0	3	5	52	10	1