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Title: Patterns of species richness and turnover in endemic amphibians of the Guineo-Congolian rainforest.

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Abstract

Aim: The African Guineo-Congolian (GC) region is a global biodiversity hotspot with high species endemism, bioclimatic heterogeneity, complex landscape features, and multiple biogeographic barriers. Bioclimatic and geographic variables influence global patterns of species richness and endemism, but their relative importance varies across taxa and regions and is poorly understood for many faunas. Herein, we test the hypothesis that turnover in endemic amphibians of the GC biodiversity hotspot is influenced mainly by the geographic distance between grid cells and secondarily by rainfall- and temperature-related variables.

Location: West and Central Africa.

Major taxa studied: Amphibians

Methods: We compiled species-occurrence records via field sampling, online databases, and taxonomic literature. Our study used 1205 unique georeferenced records of 222 amphibian species endemic to the GC region. Patterns of species richness were mapped onto a grid with a spatial resolution of 0.5° × 0.5°. We estimated weighted endemism and tested whether endemism was higher than the expected species richness (randomization test). We quantified species turnover using generalized dissimilarity modelling to evaluate the processes underlying observed patterns of species richness in GC endemic amphibians. We explored bioregionalization using agglomerative hierarchical clustering based on the unweighted pair group method with arithmetic averages.

Results: We identified seven areas within the lower GC region – forests in Cameroon, Gabon, Southern Nigeria, Equatorial Guinea, Republic of Congo, Democratic Republic of Congo and Cote d'Ivoire – as having high species richness of endemic amphibians. The randomization test returned four major areas of significant weighted endemism: Nigeria-Cameroon mountains, forest regions of the Democratic Republic of Congo, Cote d'Ivoire, and Ghana. Our analysis revealed five bioregions for amphibian endemism, four of which were located within the lower Guineo-Congolian forest. Species turnover was strongly related to the geographic distance

between grid cells; contributing bioclimatic variables included precipitation of the warmest quarter, mean temperature of the wettest quarter, and mean diurnal temperature range.

Main conclusions: Our results indicate that geographic distance between grid cells is the primary determinant of turnover in GC endemic amphibians, with secondary but significant effects of rainfall- and temperature-related variables. Our results identify key areas of endemic amphibian richness that could be prioritized for conservation actions.

KEYWORDS

Species distribution models, Generalized Dissimilarity Modelling, β-diversity, Amphibians, Africa, Endemic species richness.

1 | INTRODUCTION

Understanding broad-scale patterns of species richness, endemism, and turnover is a fundamental goal in ecology, biogeography, and conservation biology (Currie et al., 2004; Hillebrand, 2004; Storch et al., 2006; Mittelbach et al., 2007). Although species richness has long been the most commonly investigated metric (Schall & Pianka, 1978; Pearson & Cassola, 1992; Prendergast, 1997; Myers et al., 2000), it is not the only component of biological diversity. Endemism, the extent to which species are unique to a defined geographical location, is often used to demarcate biogeographic regions (Morrone, 2014), investigate species-environment interactions (Gámez et al., 2017), and set priority targets for conservation plans (Myers et al., 2000, Huang et al., 2010; Noroozi et al., 2018). Endemic species are typically restricted to small geographic ranges and contribute disproportionately to global biodiversity (Kier & Barthlott, 2001), making it important to understand patterns of endemic species richness and its correlates (Orme et al., 2005; Lamoreux et al., 2006; Kier et al., 2009; Collen et al., 2014). While these patterns have been intensively studied for many groups of organisms at various spatial and phylogenetic scales—including European butterflies (Dennis et al., 1998), Afrotropical birds (Williams et al., 1999), Amazonian plants (Tuomisto et al., 2003a), North American mammals (Rodríguez & Arita, 2004), temperate trees (Qian et al., 2005), and Himalayan aphids (Huang et al., 2008), among others—many other taxa and regions have been comparatively neglected and lack detailed data at biogeographic scales. For example, Afrotropical wet forests are inordinately important centres of biodiversity, yet their endemic species richness patterns remain poorly characterized (Anthony et al., 2015; McRae et al., 2017).

Beta diversity, the dissimilarity in species composition arising from interactions between local and regional diversity, is important for understanding patterns of richness and endemism (Qian et al., 2005, 2009; Tang et al., 2012). Beta diversity comprises two components, nestedness (the extent to which species at one site are subset of those at another) and turnover (species replacement) (Baselga, 2010; Gaston & Blackburn, 2000), both of which are influenced by bioclimatic factors (mostly related to water and energy) and spatial factors (e.g., distance, geographic barriers) (Condit et al., 2002; Duivenvoorden et al., 2002; Jansson, 2003; Tuomisto et al., 2003b; Qian et al., 2005, 2009; Gaston et al., 2007; Qian & Ricklefs, 2007; Buckley & Jetz, 2008; Leprieur et al. 2009; Linares-Palomino & Kessler, 2009; Sandel et al., 2011; Rosauer & Jetz, 2015; Daru et al., 2017; Ficetola et al., 2017). However, the relative importance of these

123 factors may vary in taxon- and scale-dependent ways (Steinitz et al., 2006; Qian et al., 2009),
124 making it difficult to extrapolate from well-studied to poorly studied systems. Elucidating the
125 separate and combined effects of bioclimatic and spatial variables on the distribution and
126 richness of endemic species in biodiverse yet understudied regions is thus important for a more
127 comprehensive understanding of biodiversity and biogeography.
128 The West/Central African Guineo-Congolian (GC) region contains the world's second-
129 largest tropical rainforest (Malhi et al., 2013) along with many threatened species with high
130 endemism—characteristics of global biodiversity hotspots (Myers et al., 2000; Linder, 2001;
131 Huntley et al., 2019). The GC region is notable for its high biodiversity, spatiotemporal
132 heterogeneity, and complex landscape features that include several major biogeographic barriers
133 (Penner et al., 2011; Bell et al., 2017; Portik et al., 2017; Figure 1). Despite its outsized
134 importance to biodiversity, the GC region is one of the world's least studied hotspots owing to
135 inaccessibility, political instability, and underdeveloped scientific infrastructure (Plana, 2004;
136 Anthony et al., 2015; Daskin & Pringle, 2018). Patterns and correlates of species richness and
137 endemism in this region have been explored for several terrestrial vertebrate taxa (e.g., birds and
138 reptiles: Hawkins et al., 2003; Terribile et al., 2009) but remain coarsely characterized for
139 amphibians.
140 Amphibians are among the most threatened vertebrates worldwide, and extinction risk is
141 particularly acute for endemic species with narrow distributional range (Stuart et al., 2004; Wake
142 & Vredenburg, 2008; Vié et al., 2009). Recent studies have documented increased threats to
143 amphibians in the Afrotropic due to intensifying human activities (Brooks et al., 2002; Ernst et
144 al., 2012; Aukema et al., 2017). In the GC region specifically, high rates of human activities and
145 population increase often result in habitat degradation, elevating threats to the forest ecosystems
146 and wildlife (Aukema et al., 2017). Understanding the distribution and correlates of diversity in
147 GC endemic amphibians is therefore important not just for plugging gaps in biogeographic
148 knowledge but also for informing conservation and management policies.
149 Studies have shown that turnover accounts for the vast majority of beta diversity in
150 tropical amphibians (Baselga et al., 2012, Jiménez-Robles et al., 2017; Azevedo et al., 2021). As
151 water-dependent ectotherms, amphibians are highly sensitive to variations in temperature and
152 rainfall (Duellman & Trueb, 1994; Angilletta et al., 2002; Hillman et al., 2009). These variables
153 may influence turnover by affecting essential processes such as breeding phenology, abundance,

immune function, and mating (Dervo et al., 2016; Ficetola & Maiorano, 2016 and references therein). In addition, the low dispersal ability and high dispersal limitation of amphibians could increase the degree of turnover (Qian, 2009). Thus, climatic and spatial factors may independently or jointly regulate turnover in amphibians. However, the magnitude and relative strength of these effects in driving turnover among GC endemic amphibians are unknown.

Herein, we test the hypotheses that turnover in GC endemic amphibians is principally determined by the geographic distance between grid cells and secondarily by rainfall- and temperature-related variables. First, we characterized patterns of endemic amphibian species richness in the GC region. Second, we used generalized dissimilarity modelling to investigate how species turnover is influenced by the geographic distance between grid cells and a suite of bioclimatic (water and temperature-related) variables. Specifically, we addressed two questions: (1) What are the biogeographic patterns of endemic amphibian species richness across the GC region? Burgess et al. (2004) identified at least ten terrestrial bioregions in the broader GC region for near-endemic vertebrate species, but other studies have reported distinct bioregions of endemism among vertebrate groups due to species' differing ecophysiological requirements and regional zoogeographic barriers. For example, de Klerk et al. (2002) identified at least six bioregions for range-restricted terrestrial GC endemic birds, whereas Lewin et al. (2016) identified about five and four bioregions for narrow endemic snakes and lizards, respectively. Because amphibians are particularly unlikely to be uniformly distributed owing to their limited dispersal capacity and sensitivity to climate and the presence of biogeographic barriers in the GC region (Figure 1), we expected to find high variability in endemic amphibian richness across the GC region. (2) What are the most important variables influencing turnover in endemic amphibians of the GC region? Previous studies have shown that geographic distance is an important driver of the generation and persistence of unique faunas with narrow geographic ranges (Ota, 1998; Rosauer and Jetz, 2015). We predicted that turnover in GC endemic amphibians would be strongly associated with geographic distance between grid cells, again due to their limited dispersal capacity of amphibians coupled with the presence of major rivers, mountains and other zoogeographic barriers in the GC region. Further, given amphibians' narrow thermal tolerance and performance breadths, seasonal breeding, and dependence on a humid environment (Qian et al., 2007; Qian, 2010; Rohr et al., 2018), we predicted that extreme or

limiting bioclimatic factors (e.g., precipitation of the wettest/warmest quarter) and seasonality (e.g., annual range in temperature) would be the predominant climatic correlates of turnover.

2 | METHODS

2.1 | Study area

The study area approximately corresponds to the GC rainforest defined by White (1979 &1983) as a phytogeographic center of endemism, with more than 8000 plant species, of which 80% are endemic. The GC forest subdivides into three sub-centers (Figure 2) based on phytogeography as follows: Upper Guinean Forest (West-African rainforest from Sierra Leone to Ghana), Lower Guinean Forest (the western part of the Central African rainforest, from southern Nigeria to the southwestern part of the Republic of Congo and the Democratic Republic of Congo), and Congo Forest (eastern part of the Central African rainforest, and the Congo River basin).

The GC forest comprises several terrestrial ecoregions (WWF, 2022). The *upper Guinean forest* encompasses the Eastern Guinean forest, the Guinean montane forest, and the Western Guinean lowland forest ecoregions. The *lower Guinean forest* hosts diverse terrestrial ecoregions ranging from the Nigerian lowland forests, Niger Delta swamp forests, Cross-Sanaga-Bioko coastal forest, Cameroonian Highland Forest, Cross-Niger transition forest, Guinean Mangroves, and Mount Cameroon and Bioko montane forest ecoregions. High species richness and endemism have been widely reported in the Cameroon Highlands and attributed to a high diversity of habitats in a restricted geographic area (Penner et al., 2011). The *Congo forest* spans six ecoregions, including the Atlantic Equatorial coastal forest, Northwestern Congolian lowland forest, Western Congolian swamp forest, Eastern Congolian swamp forest, Central Congolian lowland forest and Northeastern Congolian lowland forest ecoregions (WWF, 2022).

Biota in GC forests has an uneven distribution, with some species restricted to only one sub-center while others co-occur in multiple sub-centers or beyond (Linder et al., 2012; Hardy et al., 2013). The upper and lower Guinean forests are separated by an approximately 200-km-wide savannah corridor in Benin, known as the Dahomey Gap (Hardy et al., 2013). The floodplain of the Ubangi River and a portion of the Congo River, primarily comprised of swamp woods, separate the lower Guinean and Congo forests (Hardy et al., 2013).

In this study, we considered 16 countries across the GC forest: Benin, Burkina Faso, Cameroon, Central African Republic, Republic of Congo, Democratic Republic of Congo, Cote

d'Ivoire, Equatorial Guinea, Gabon, Ghana, Guinea, Liberia, Nigeria, Senegal, Sierra Leone, and Togo.

2.2 | Distributional data

To generate a comprehensive checklist of endemic amphibians of the GC forest, we searched the Amphibiaweb database (https://amphibiaweb.org/; last accessed date: 1 April 2021) and the Amphibian Species of the World database (https://amphibiansoftheworld.amnh.org; last accessed date: 1 April 2021) to confirm the geographic distribution and taxonomic citations of amphibian species. We further searched the International Union for Conservation of Nature (IUCN) Red List database (https://www.iucnredlist.org) to cross-validate each species' geographic range and IUCN Red List status. We considered extant (resident) species in the GC forest for this study. Records with inaccurate/incomplete geographical location points were eliminated. Each species record was double-checked to match the currently recognized species distributions to produce an endemic amphibian species inventory for GC (Table S1).

After this process, our initial data comprised 310 endemic amphibian species belonging to 41 genera and 17 families (Table S1). Of these, 305 species were anurans and 5 were caecilians (Table S1). The most species-rich anuran families were Arthroleptidae (86 species), Hyperoliidae (81 species), Phrynobatrachidae (49 species), Bufonidae (28 species), and Pipidae (16 species; Figure S1). Other families were represented by ≤ 9 species. According to the IUCN Red List, 122 (39%) of the endemic species are considered Least Concern, 78 (25%) are Data Deficient (Figure S1), and 110 (36%) are threatened to varying degrees: Near Threatened (6%), Vulnerable (8%), Endangered (14%) and Critically Endangered (8%) (Figure S1).

For the geographic occurrence of each species, we consulted the Global Biodiversity Information Facility (GBIF; https://www.gbif.org; last accessed date: 17 April 2021). We manually performed quality evaluation of the dataset to identify uncertainty and mistakes in the geographic or taxonomic information before further analyses. Each record was reviewed for species identification; we included only individuals with '*accepted'* status in the '*taxonomicstatus*' field in GBIF and excluded those with '*doubtful'* taxonomic status. We also eliminated records with inaccurate geographic information, records that could not be georeferenced, duplicate records, and records outside the GC region. We assembled other species records from published literature and online portals (the University of California's Museum of

Vertebrate Zoology; https://mvz.berkeley.edu; last accessed date: 21 April 2021). We restricted records to those collected between 1980 and the date of access. Lastly, we conducted field surveys to cover an underrepresented area in Nigeria. Methods used for the field survey in Nigeria can be found in Appendix S1.

Our initial dataset included 7536 valid georeferenced records (Table S2). We could not obtain georeferenced records for 88 species due to a lack of records in either online databases or published primary literature, which reduced our dataset to 222 species, representing 72% of the endemic amphibian species currently known from the GC region (Table S2). Of the 7536 valid records, 7476 were from searched databases and primary literature, and 60 additional georeferenced records were from our field surveys in an underrepresented area in Nigeria (Table S2). Our initial datasets included >500 georeferenced records each from Cameroon, Gabon, the Republic of Congo, Ghana, Equatorial Guinea, and the Democratic Republic of Congo (Table S2). We obtained 11-499 occurrence records each from Liberia, Nigeria, Guinea, Cote d'Ivoire, Benin, and Sierra Leone (Table S2). Burkina Faso, Guinea, the Central African Republic, and Togo each had <10 georeferenced records for endemic amphibians (Table S2).

We performed data cleaning and quality control of the records using the R package *CoordinateCleaner* (Zizka et al., 2019). This automatically filters common erroneous coordinates in public databases, such as those assigned to the sea, capital cities, or biodiversity institutions (Maldonado et al., 2015). To avoid potential spatial autocorrelation among occurrence records or uneven sampling, we thinned the records (Table S3) by removing localities within a 15 km radius of one another using the package *spThin*, (Aiello-Lammens et al., 2015), allowing only a single record per pixel (grid cell size of 0.5° × 0.5°). This helps reduce the biased selection of variables or model coefficients (Cruz et al., 2014). After removing duplicates of georeferenced records, we retained 1205 unique records of 222 endemic species for further analysis (Table S3). Figure 3 shows the distribution map of some GC endemic amphibian species.

2.3 | Environmental data

We downloaded 19 bioclimatic variables (Table S4) from the CHELSA project (Climatologies at High Resolution for the Earth's Land Surface Areas; http://chelsa-climate.org/; Karger et al., 2017) at 30 arc-seconds resolution corresponding to a spatial resolution of 1 km at the equator.

We also downloaded a digital elevation model (DEM) from https://opentopography.org/about (Krishnan et al., 2011). We then aggregated all rasters to a 0.1° × 0.1° resolution and resampled the DEM to match the spatial resolution of the bioclimatic rasters. We also calculated the slope from the DEM. The largest difference in elevation between each site and its eight nearest neighbors was used to calculate relief roughness (also referred to as terrain ruggedness; Riley et al., 1999). All variables were cropped to a 1-degree buffer around all species records to ensure that the background of the environmental data for the species distribution modelling is not restricted to the inferred species range but also encompasses potentially relevant points lying outside the set of species distribution records. We prepared all data using the R package *raster*.

We estimated the Variance Inflation Factor (VIF) to measure the degree of multicollinearity among all variables. We removed variables exceeding a VIF threshold of 10 using the packages *USDM* (Naimi et al., 2014) and retained those without multicollinearity for further analyses (Table 1). The retained variables included relief roughness and eight bioclimatic variables (Mean Diurnal Range; Maximum Temperature of Warmest Month; Mean Temperature of Wettest and Coldest Quarters; Precipitation of Wettest, Driest, and Warmest Quarters; and Precipitation Seasonality).

2.4 | Species ranges

Given the recommended minimum sample size of 3 for species range estimation and modelling (van Proosdij et al., 2016), we excluded 58 species with fewer than three unique records, leaving 164 species. Although we acknowledge that a minimum sample size of three is small, we consider it justifiable because (a) it makes our analyses more inclusive and representative of the endemic amphibian fauna; (b) endemic species often occur at low abundance in restricted ranges with specific habitat requirements; (c) 71% of retained species had >10 records and 29% had >3 records; and (d) previous studies show that range-size estimation based on a minimum of 3 samples can nonetheless provide valuable predictions (Hernandez et al., 2006; Pearson et al., 2006; Van Proosdij et al., 2016; Deb et al., 2017; Zizka et al., 2020; Bharti et al., 2021; Ye et al., 2021). For the 164 species with ≥ 3 records, we used a two-tier approach to estimate range sizes depending on the total number of records per species. For species with 3–10 unique records (n = 47), which are likely to be rare and range-restricted, we used the minimum convex polygon (MCP) method (Mohr, 1947; Bekoff & Mech, 1984) to estimate range sizes using a half-degree

buffer to limit over-prediction (Whitfield, 1984). We used MCP because previous studies (Kazmaier et al., 2002; Row & Blouin-Demers, 2006) have supported the use of this method for estimating the range size of reptiles and amphibians in general and for range-restricted amphibians in particular (Watson et al., 2003; Miaud and Sanuy, 2005; Blomquist & Hunter, 2009; Boenke, 2011). For species with >10 unique records (n = 117), which are likely to be widespread, we estimated MCPs using a one-degree buffer to ensure that ecologically relevant background points (pseudo-absences) are included in the species distribution modelling. Thereafter, we removed unsuitable areas within polygons following Förderer et al. (2018). To do this, we used species distribution modelling to overlay the MCPs and estimate the final species ranges.

We used the Maxent algorithm for species distribution modelling (Phillips et al., 2006). Using the ENMevaluate function from the R package *ENMeval* (Muscarella et al., 2014), we performed model selection with testing parameters such as feature class combinations (linear, quadratic, product, and threshold). Regularization multipliers were selected in Maxent using ENMevaluate. Using cross-validation (k = 10), we evaluated models and selected those with second-order Akaike Information Criterion difference (ΔAICc) < 2 and Area Under the Receiver Operator Curve (AUC; a measure of the diagnostic test accuracy) > 0.75. We considered AUC values > 0.75 as useful for modelling based on the recommendations of Elith (2002) and the results of previous studies on amphibians (e.g., Urbina-Cardona & Loyola, 2008; Milanovich et al., 2010; García et al., 2014; Barrett et al., 2014). To delineate the extent of the projected data within the polygons for each species, we generated ~1000 background points. To select background points in each grid cell, we generated a sampling-bias layer based on historical sampling for African amphibians estimated by Farooq et al. (2021) (Figure S2). In this way, more ecologically relevant background points were selected for the SDM, thus fairly reflecting the ecological variability and sampling history of the study region. Finally, we used a threshold based on maximum specificity and sensitivity to produce binary predictions (presence-absence), which we converted into range maps for each species (Nenzen & Araujo, 2011).

2.5 | Species richness and endemism

To evaluate biogeographic patterns of endemic amphibian species richness across the GC region (question 1), we quantified species richness and endemism using two approaches of Crisp et al.

(2001) and Linder (2001). Species richness was calculated as the number of endemic species in a grid cell (0.5° × 0.5°) and also estimated the number of GC endemic species in each country. We mapped species richness at a coarse resolution to reduce potential bias in sampling effort and enable a better understanding and visualization of richness patterns (Graham and Hijmans, 2006). Endemism was measured as weighted endemism, where the proportion of endemics is inversely weighted by range size. The endemism value for a cell equals the sum of these weights for all species in the cell. To test whether weighted endemism was higher than the expected species richness, we produced replicate random draws from the species pool based on the observed species richness (i.e., the same number of species) and the actual species frequencies (the more frequent a species, the more likely it is to be drawn). For estimations of weighted endemism, we used the functions "*weighted endemism*" and "*endemism.null.test*" from the R package *biomapME* (Guerin et al., 2015). The distribution of the resulting set of null endemism scores was compared to the observed endemism. Subsequently, grid cells were mapped as higher or lower than expected (based on significance testing and comparison to null quantiles) to produce a binary-weighted endemism map and further estimated the values of weighted endemism for each country. Finally, we performed sensitivity analyses in relation to the mapping strategy and for the presence of species with <3 unique records per grid cell. To do this, we calculated species richness and endemism with the following datasets: (1) without SDMs to remove unsuitable habitats, and (2) without species with <3 unique records per grid cell.

2.6 | Generalized Dissimilarity Modelling (GDM)

To evaluate how much of the species turnover can be attributed to the independent and combined influences of geographic distance and bioclimatic variables (question 2), we used Generalized Dissimilarity Modelling (GDM). This method is widely used to identify the contributions of different factors to explaining beta diversity patterns (e.g., Blois et al. 2013; Fitzpatrick et al. 2013; Capinha et al. 2015). We focused only on turnover (reflecting replacement), to the exclusion of nestedness (reflecting species loss), in light of multiple studies indicating that turnover dominates amphibian beta diversity in regions below the 37th parallel north, which encompasses all of Africa (Baselga et al., 2012; Jiménez-Robles et al., 2017; Azevedo et al., 2021); however, we acknowledge that a comprehensive understanding of beta diversity requires

evaluating both turnover and nestedness (Baselga, 2010) and suggest this as an objective for future study on the endemic amphibians of the GC region.

We calculated species turnover among grid cells with >5 species, thereby minimizing possible effects of nestedness that might arise when species in locations with very low species richness are subsets of species in areas with relatively high species richness (Wright & Reeves, 1992; Ulrich & Gotelli, 2007). We built GDM models using all possible combinations of bioclimatic variables (after removing those deemed to be colinear, as described above). We then consecutively excluded from the full model the bioclimatic variable with the smallest contribution. In each iteration, we calculated the relative variable importance (percentage of explained deviance between a model with and without a variable) and significance (P-value < 0.05) through matrix permutations for each variable (n = 1,000). According to Wagner & Fortin (2015), model selection using AIC is not applicable to analyses of regression matrices such as GDM. Thus, we used a comparable approach that involves selection of the model with the highest explained deviance (Azevedo et al., 2021). This approach retained only important bioclimatic variables after more than 160 successive permutations (following the 0.16 optimization level suggested by Heinze et al., 2018). All analyses were done in R using the package *betapart* (Baselga, 2010; Baselga et al., 2018).

We used I-splines to identify the most important bioclimatic variables that could account for the nonlinear monotonic relationships between variables and species turnover (i.e., partial ecological distance). We produced the models using the R-package *gdm* (Ferrier et al., 2007). We then used GDMs to predict species turnover across the entire study area (background of bioclimatic variables). The results were clustered with the unweighted pair group method using arithmetic averages (UPGMA) to define bioregions with similar species composition. UPGMA is a frequently used agglomerative hierarchical clustering approach with good performance in clustering dissimilarity for bioregionalization studies (Kreft & Jetz, 2010).

Table S5 shows the ODMAP (Overview, Data, Model, Assessment and Prediction) standardized protocol (Zurell et al., 2020) used in this study. All R code used in the analyses is included in Appendix S2.

3 | RESULTS

3.1 | Range size

Species distribution modelling had sufficient predictive power for occurrences, as evidenced by the AUC. Only two species had AUC < 0.75 and were mapped using the MCP approach. Of the 117 species with >10 unique records, 50 had good modelling performance (AUC > 0.75) and were used for removing unsuitable habitats within the MCP polygons. For all 164 species with ≥3 unique records, we obtained a mean range size (± s.d.) of 192,312 ± 253,870 km^2 (median = 84,089 km^2; Table S6). The mean range size for species with 3–10 records was 51,508 ± 145,239 km^2 (median = 4,091 km^2; Table S6), while that for species with >10 records was 248,875 ± 266,343 km^2 (median = 159,309 km^2; Table S6).

3.2 | Patterns of species richness and endemism

Endemic amphibian richness (mean = 44; range 5-131 species; Figure 4a; Table S7) was strongly concentrated in the lower GC region that includes the Democratic Republic of Congo (e.g., some forests in Lulimba town within South Kivu Province, Kalemie town within the western shore of Lake Tanganyika, and other forests located along Lakes Tanganyika and Mweru, extending to the Mbuji-Mayi in Kasai-Oriental Province), Nigeria-Cameroon mountains (e.g., Mountains Obudu, Oku, Bamenda, Bamboutos, Manengouba, Cameroun, Tchabal-Mbabo, Tchabal Gangdaba etc.), Republic of Congo, Equatorial Guinea, and Gabon. Other areas of high endemic species richness were in the Upper Guinean-Congolian forest along the coast of Togo, Ghana (e.g., Cape Coast in Central Region, Axim and Sekondi in Western Region etc.), Cote d' Ivoire (e.g., Grand-Bassam and Sud-Comoé in southeastern Cote d' Ivoire etc.), Guinea, Sierra Leone, and Liberia (Figure 4a). In sum, the lower GC forest, particularly forests of Cameroon (mean = 131 species), Gabon (mean = 71 species), Nigeria (mean = 64 species), Equatorial Guinea (mean = 59 species), Republic of Congo (mean = 58 species), Democratic Republic of Congo (mean = 52 species) and Cote D'Ivoire (mean = 50 species), stood out as centres of endemic species richness in the GC region (Figure 4a; Table S7). The weighted endemism metric identified the Nigeria-Cameroon mountains (southern Nigeria through southwestern Cameroon), which comprise the Cameroonian Highland forest ecoregion, as an area of high endemism (Figure 4b).

Spatial patterns of species richness and weighted endemism contrasted with those based on the results of the randomization test for significant endemism (Figure 4c). This finding was

expected, as the randomization test incorporates endemic species richness in calculating weighted endemism. The randomization test for significant endemism returned four major areas of significant weighted endemism that were higher than random. While three areas of significant weighted endemism were found in the lower GC region (Nigeria-Cameroon mountains, Democratic Republic of Congo, and Cote d'Ivoire), we identified only one significant weighted endemism area in the upper GC forest in Ghana (Figure 4c).

The result of the sensitivity analyses in relation to the mapping strategy and exclusion of species with <3 unique records (Figure S3) showed that exclusion had no effect on the results of the species richness and endemism. This demonstrated the stability of the results, suggesting that our approach was robust.

3.3 | Patterns of species turnover

The GDM analyses captured 29.10% of deviation (model deviance = 1056.20; P-value <0.001) and identified endemic areas according to the heterogenous turnover patterns of amphibians in the GC forests. Geographic distance was by far the strongest predictor of turnover (55.90%), and three bioclimatic variables — precipitation of the warmest quarter (5.50%), mean temperature of the wettest quarter (4.30%) and mean diurnal temperature range (3.50%) — also contributed. The GDM-fitted I-splines further supported the conclusion that geographic distance between grid cells was a dominant predictor of turnover (Figure 5). The nonlinear shapes of the GDM curves showed an increasing rate of community compositional change with increasing geographic distance between grid cells.

The clustering analysis of the turnover component of compositional dissimilarity using UPGMA identified five bioregions for GC endemic amphibians, which coincided partly with the different ecoregions (Figure 6) as follows: (1) forested areas in Cote d'Ivoire, Senegal, western/southern Burkina Faso, Ghana, and southern parts of Togo and Benin; (2) forested areas in northern and eastern parts of Burkina Faso, Benin (excluding southern region), Togo (excluding southern region), Nigeria (excluding southern region), northern Cameroon, and northern Central African Republic; (3) forested areas, including southern Nigeria, Cameroon, Equatorial Guinea, western Central African Republic, Gabon, Republic of Congo, and western/northern parts of Democratic Republic of Congo; (4) forested areas in southern and

eastern parts of Central African Republic and some northern parts of Democratic Republic of Congo; and (5) forested areas in southern and eastern parts of Democratic Republic of Congo.

4 | DISCUSSION

As expected, we found that species richness and endemism in amphibians of the GC region are geographically unevenly distributed. Nevertheless, the centers of endemic species richness identified in our study largely overlapped with areas of high endemism. We found the Nigeria-Cameroon mountains to be the main areas of high species richness and endemism for GC amphibians. The importance of the Nigeria-Cameroon mountains, previously identified as centers of amphibian species richness (Penner et al., 2011), was confirmed. Our results are consistent with previous studies that have identified montane regions as areas of high vertebrate species richness and endemism (e.g., Rahbek et al., 2019; Kafash et al., 2020; Shipley & McGuire, 2023). The Nigeria-Cameroon mountains consist of dense humid rainforests and deep gorges flanked by towering mountains (e.g., Obudu Plateau, Mounts Cameroon, Oku, Bamenda, Bamboutos, Manengouba, Tchabal-Mbabo, Tchabal Gangdaba etc.), which results in diverse climate and vegetation types and a variety of habitats for amphibian species (Penner et al., 2011). Montane regions are regarded as both museums and cradles of biodiversity, where old taxa have survived because of relatively stable climates or the mitigation of climate change impacts by altitudinal range shifts (Barthlott et al., 2005; Mutke & Barthlott, 2005; Kreft & Jetz, 2007) and where new taxa are rapidly emerging because of new ecological opportunities caused by recent uplifts in the mountain. Combined with limited gene flow and dispersal barriers, these factors have resulted in radiations of many clades, resulting in large numbers of range-restricted species on mountains (Gentry, 1982; Fjeldså & Lovett, 1997; Hughes & Eastwood, 2006).

Another prominent center of species richness and endemism for amphibians is forested areas in Democratic Republic of Congo, Cote d'Ivoire, and Ghana. These forests have previously been shown to be centers of species richness for diverse taxa, including plants and animals (Linder, 2001; Burgess et al., 2002; Küper et al., 2004; Linder et al., 2005, 2012; Penner et al., 2011; de la Estrella et al., 2012; Sosef et al., 2017). Our results are consistent with the hypothesis that climatic history during the Pleistocene accounts for some variation in species richness and endemism patterns across the GC region (Maley, 1996; Jansson, 2003). Previous studies (e.g.,

Penner et al., 2011; Murali et al., 2021) have reported that areas with high biodiversity in GC often coincide with areas where Pleistocene refugia may have existed. Areas of high endemism identified in our study (forest and montane ecosystems within southwestern Cameroon, southern regions of Nigeria, Cote d'Ivoire, and Ghana) have previously been postulated as refugia for narrow-ranged and endemic amphibian species in the GC region (Maley, 1996; Penner et al., 2011).

The IUCN Red List showed that about 36% of endemic GC amphibian species in our study are in the threatened category. The high values of endemic species richness coupled with increasing threats from human activity emphasize the outstanding importance of the GC region for global amphibian conservation. Although the GC region was previously covered by forests, only a fraction of these forests remains undisturbed (CILSS, 2016). With increasing human settlement and cultivation across the GC region, the vegetation has been grossly modified by deforestation, fire, grazing, agricultural practices, soil disturbance, and altered drainage arising from the use of chemical fertilizers and pesticides in farmland (Carr et al., 2015; CILSS, 2016). To date, the main driver of habitat loss in this region is the transformation of natural habitats into agricultural land (Geist & Lambin, 2002; Chazdon, 2003; MEA, 2005; Carr et al., 2015; GFW, 2023) due to increasing demand for food (and money) by growing human populations (Burgess et al., 2007). For instance, from 2002 to 2021, agricultural land in the GC region doubled while forest cover was reduced. Higher forest losses were recorded in Benin, Côte d'Ivoire, Ghana, Guinea, Nigeria, Sierra Leone, and Togo (GFW, 2023). A growing body of studies (e.g., Blyth et al., 2002; Burgess et al., 2002, 2007; Plumptre et al., 2004; Chidumayo et al., 2011, Nneji et al., 2019) has reported adverse effects of habitat alteration on the temporal and spatial compositions of vertebrates. These considerations underscore the urgent need for improved conservation plans for endemic amphibians and their associated habitats in the GC region. The results we present here could help guide future regional biodiversity studies and the identification of priority areas for the conservation of endemic amphibians in the GC region.

Using GDM, we identified several factors that could explain amphibian species richness and endemism patterns in the GC region. As predicted, we found that turnover is primarily influenced by the geographic distance between grid cells and secondarily by environmental differences (i.e., climatic differences). This suggests that dispersal limitation (geographic distance) is more important than niche limitation (environmental difference) in shaping beta

diversity. Penner et al. (2011) highlighted potential geographical barriers in the GC region (mountains, Cameroon volcanic line, rivers), which could limit species dispersal across the entire region. This factor may increase vulnerability to extinction in the face of rapid climate change (Araújo & Pearson, 2005). The generally low dispersal ability of amphibians (Blaustein et al., 1994; Wells, 2007) also increases the likelihood of local extinction, particularly among endemics that are sensitive to environmental change (Chen et al., 2011).

Other than geographic distance, precipitation of the warmest quarter, mean temperature of the wettest quarter and mean diurnal temperature range predicted species turnover. Several previous studies have found one or more of these bioclimatic variables to be important in explaining the observed distribution and richness patterns in amphibians (Barrett et al., 2014; Guo et al., 2021; Ballesteros-Barrera et al., 2022). Bioclimatic factors such as precipitation and temperature are especially likely to influence ecological processes and biological functioning in amphibians (Olden & Rooney, 2006). Variables related to extreme environmental conditions (precipitation of the warmest quarter and the mean temperature of the wettest quarter) emerged as important in explaining the turnover in GC endemic amphibians, similar to previous studies on amphibians (Guo et al., 2021; Bolitho & Newell, 2022). Precipitation of the wettest quarter has also been linked to both tree diversity and water availability (Soares & Brito, 2007). Tree diversity and cover may sustain amphibian diversity in various direct and indirect ways, while water availability plays a pivotal role in amphibian breeding and life cycle. This importance of two temperature variables, mean temperature of the wettest quarter and mean diurnal temperature, as determinants of turnover accords with studies that have linked temperature to increased immune function in amphibians (Miller et al., 2018). The coupling of water and temperature variables as predictors of turnover suggests that environmental change may have dramatic impacts on endemic amphibians of the GC region, especially if geographical patterns of precipitation and temperature shift independently.

We acknowledge several important caveats. One, already mentioned, is that we focused exclusively on the turnover component of beta diversity; consideration of nestedness in future studies may provide further insight. Another is that most of the data used in the study were sourced from biological collections, underscoring the value of specimen data from museums and other repositories for baseline ecological studies (Beck et al., 2012; Powney & Isaac, 2015). At the same time, our dataset has limitations that are inherent to information assembled from

collections, such as patchy sampling effort and lack of taxonomic revisions. Museum data are also subject to potential biases, such as erroneous identification and over- or underrepresentation of certain areas, habitat types, and species (Elith & Leathwick, 2009; Oliveira et al., 2016). While we took several steps to ensure high data quality and remove biases associated with the occurrence records, the patterns revealed in our study may, to some extent, reflect differences among sampled locations rather than between those locations and the overall GC region.

5 | CONCLUSION AND RECOMMENDATIONS

We evaluated spatial patterns of richness and determinants of turnover in endemic amphibians of the GC biodiversity hotspot. Patterns of species richness and endemism are not uniform across this region— Nigeria-Cameroon mountains, forest regions of the Democratic Republic of Congo, Cote d'Ivoire, and Ghana — host a higher richness of endemic amphibians. We encourage more studies on other taxonomic groups to test the generality of this unbalanced spatial pattern of endemic species richness in the GC region. Also, we recommend a more detailed study investigating the effects of disturbance-related environmental variables on amphibians as well as other taxonomic groups endemic to the region. However, effective conservation plans in key areas of richness for endemic amphibians are needed to ensure the long-term persistence and survival of this highly threatened fauna. Our study contributes to improving knowledge of GC endemic amphibians by identifying geographic distance and a subset of bioclimatic variables (precipitation of the warmest quarter, mean temperature of the wettest quarter and mean diurnal temperature range) as determinants of species turnover. However, studies involving a broader range of taxa are needed to evaluate other contemporary environmental and historical factors affecting the biodiversity of the GC region as a whole. Regional- and continental-scale conservation plans often identify priority areas critical to the persistence of their conservation targets. Fine-scale research and planning will help to refine the understanding of where action could be taken for the greatest effect within these priority areas and to inform what those actions should be.

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CONFLICT OF INTEREST STATEMENT

The authors declare that the research was conducted without any commercial or financial relationships that could be construed as a potential conflict of interest.

DATA AVAILABILITY STATEMENT

The data that supports the findings of this study are available in the main text and supplementary material of this article. Scripts and data sets used are available on Dryad (Nneji et al. (2023), Patterns of species richness and turnover in endemic amphibians of the Guineo-Congolian rainforest., Dryad, Dataset, https://doi.org/10.5061/dryad.8931zcrv9).

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LEGENDS

FIGURE 1 Map of Africa showing West and Central African Guineo-Congolian region. Letters in brackets show the rough location of the potential biogeographic barriers

FIGURE 2 Map of West and Central African Guineo-Congolian region showing the rough delineation of the three floristically defined blocks of the forest (red dashed). The approximate delineation of the forest blocks was modified from Huntley et al. (2019). Abbreviations on the map stand for: SL = Sierra Leone; GB = Guinea Bissau.

FIGURE 3 Distribution map of some GC endemic amphibian species (a) *Amnirana lepus* (Photo credit: Arnaud Marius Tchassem Fokoua); (b) *Arthroleptis adelphus* (Photo credit: LMN); (c) *Cardioglossa elegans* (Photo credit: LMN); (d) *Herpele squalostoma* (Photo credit: Arnaud Marius Tchassem Fokoua); (e) *Hyperolius bolifambe* (Photo credit: LMN); (f) *Hyperolius concolor* (Photo credit: LMN); (g) *Hyperolius guttulatus* (Photo credit: LMN); (h) *Leptopelis rufus* (Photo credit: LMN); (i) *Sclerophrys superciliaris* (Photo credit: LMN); (j) *Scotobleps gabonicus* (Photo

credit: LMN); (k) *Phrynobatrachus cornutus* (Photo credit: Arnaud Marius Tchassem Fokoua). Geographic occurrences were based on our assembled datasets.

FIGURE 4 Geographic patterns of (a) species richness, (b) weighted endemism, and (c) significant weighted endemism of endemic amphibians of the African Guineo-Congolian forest.

FIGURE 5 Generalized dissimilarity model (GDM) I-spline showing (a) the relationship between observed compositional dissimilarity and the linear predictor of the regression equation from GDM (predicted ecological distance between site pairs); (b) relationship between observed and predicted compositional dissimilarity; and (c-f) partial functions for variables significantly associated with endemic amphibian species turnover. The maximum height reached by each curve indicates the total amount of compositional turnover associated with that variable (relative contribution of the variable to the species turnover), assuming all other variables are constant. The slope of each function indicates the rate of the compositional species turnover observed along the gradient. Abbreviations: BIO8 = mean temperature of the wettest quarter; BIO18 = precipitation of warmest quarter and BIO2 = Mean Diurnal temperature Range.

FIGURE 6 Bioregions of species richness of endemic amphibians in the GC forest region based on the UPGMA hierarchical clustering. The five clusters (demarcated with colours) show the relative abundances of similar species within each bioregion.

TABLES

TABLE 1 Variables (code, name, units and Variance Inflation Factor) used to predict environmental correlates of richness patterns in GC endemic amphibians after multicollinearity analysis.

Supporting Information

Appendix S1: Method of amphibian survey in Nigeria

Appendix S2: R code utilized in the analyses.

Figure S1: Total number of endemic amphibian species in the GC region, grouped by family and IUCN Red List Category (species list retrieved from Amphibia web database https://amphibiaweb.org/ and Amphibian Species of the World database https://amphibiansoftheworld.amnh.org; IUCN category retrieved from https://www.iucnredlist.org).

Figure S2: Sampling Bias Raster

Figure S3: Sensitivity Analyses in relation to the mapping strategy and for the presence of species with less than three unique records per grid cell.

Table S1: List of amphibian species native to African Guineo-Congolian region with taxonomic classification (order, family and genus), distribution range of species in African Guineo-Congolian region and IUCN Red list category (DD = Data Deficient; LC = Least concern, NT = Near threatened, VU = Vulnerable, EN = Endangered, CR = Critically endangered). The species list and IUCN Red List Category were retrieved as follows: species list retrieved from Amphibia web database https://amphibiaweb.org/ and Amphibian Species of the World database https://amphibiansoftheworld.amnh.org; IUCN category retrieved from https://www.iucnredlist.org).

Table S2: Valid georeferenced occurrences of the selected amphibian species native to the African Guineo-Congolian rainforest.

Table S3: Unique georeferenced records of the selected amphibian species native to the African Guineo-Congolian rainforest.

Table S4: Variables (code, name, units) used to predict environmental correlates of richness patterns in endemic amphibians of the GC region.

Table S5: ODMAP (Overview, Data, Model, Assessment and Prediction) standardized protocol used in this study.

Table S6: Range sizes of the amphibian species selected for the study.

Table S7: Mean Species Richness of African Guineo-Congolian endemic amphibians per country.

BIOSKETCH

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AUTHOR CONTRIBUTIONS

L.M.N. conceived the study; J.A.R.A. and L.M.N. designed the methodology; L.M.N. collected the data. L.M.N., J.A.R.A. and G.S. analyzed the data. L.M.N., J.A.R.A. and O.O.O. led the writing of the manuscript with feedback from P.R.E., R.P. and R.M.P. All authors contributed critically to the draft and gave final approval for publication.

SUPPORTING INFORMATION

Additional supporting information may be found in the online version of the article at the publisher's website.

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Appendix S1: Method of amphibian survey in Nigeria

Many contributions to the knowledge of the amphibians in Nigeria date back to the 1960s (Onadeko & Rödel, 2009). Although there has been an increase in studies on Nigerian amphibians recently (e.g., Onadeko & Rödel, 2009), there is still a paucity of data on the geographic occurrences of amphibians in Nigeria, especially in Cross River National Park (a protected area that host endemic amphibian species of Nigeria). Due to this scarcity, we conducted field surveys in Cross River National Park in southern Nigeria (Onadeko & Rödel, 2009) to assemble georeferenced occurrence records for the amphibians.

Cross River National Park is located between latitude 05°05′ – 06°29′ N and longitude 08°15′ – 09°30′ E in Cross River State, south-eastern Nigeria. Our field collection followed the ethical permit and animal care protocols from the Nigeria National Park Service. The amphibian surveys were conducted by LMN between July 2017 and September 2019, with the help of park rangers and local field assistants at the Cross River National Park. A total of 33 sampling locations, including forest, wetland/swamp, grassland and farmland, were randomly surveyed based on a previous study (Onadeko & Rödel, 2009). During our sampling season, we searched for amphibians in each sampling locality daily (day and night) for four hours daily by a team of four persons each. We conducted active searches and visual observations to record amphibians. We also searched potential microhabitats for elusive amphibians by turning over logs, rocks, dead leaves and tree burrows for a search. For the pond-dwelling species, we used dip net for sample collection.

On sighting amphibians, we documented information such as species name and geographic coordinates (with a Garmin GPS 72). While we released some individuals to the point of collection, we collected few representative samples as reference materials. The voucher specimens were euthanized with hydrous chlorobutanol and genetic materials (toe clips) taken and preserved for molecular-based identification. The voucher specimens were then fixed with 10% formalin and, after that, transferred to 75% ethanol for long-term storage. The vouchers are deposited in the museums of the Departments of Zoology, University of Ibadan and Kwara State University, Nigeria. The preliminary identification of specimens followed primary literature (Rödel, 2000). using 16S rRNA following Nneji et al (2019), we further clarified species-level identification of the individual species.

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```
# Script SDM african herps


# Install packages first

# Load libraries
library(rgdal)
library(adehabitatHR)
library(sp)
library(raster)
library(rgeos)
library(viridis)
library(maps)
library(biomapME)
library(speciesgeocodeR)
library(betapart)
library(usdm)
library(elevatr)
library(gdm)
library(recluster)
library(cluster)
library(RColorBrewer)
library(stringr)
library(dismo)
library(sdm)

# For modelling, you have to use the version of ENMeval as bellow
#install.packages("devtools")
#require(devtools)
#devtools::install_version("ENMeval", version = "0.3.1", repos = "http://cran.us.r-project.org")
#library(ENMeval)

# Set working directory with the downloaded files in your computer
setwd("/Users/josue/Dropbox/africa_modelling")

# Getting African borders shapefile
africa_shp = readOGR("/Users/josue/Dropbox/africa_modelling/afr_g2014_2013_0/afr_g2014_2013_0.shp")

# Read clean species points dataset ####
anf_clean = readOGR("Clean_Coord.shp")
head(anf_clean@data)

# Plot species coordinates
plot(anf_clean)
dim(anf_clean)

# Species object for filtering
spp_all = anf_clean@data[,c("Scientific","Latitude","Longitude")]
nrow(spp_all)
spp_all = unique(spp_all)
nrow(spp_all)
#####
```

```
# Lets select one point per species per grid cell of the Chelsa raster ####
# This is to see if it is possible to modell species distribution, so that a species has at least 12 unique records.
# First, create a MCP to crop the rasters by the study area
occs.xy <- spp_all[c('Longitude', 'Latitude')]
sp::coordinates(occs.xy) <- ~ Longitude + Latitude
bgExt <- mcp(occs.xy, percent = 100)
plot(bgExt, add=T)
bgExt_buff <- rgeos::gBuffer(bgExt, width = 5)
plot(bgExt_buff,border="red", add=T)

# Removing countries outside sampling areas
study_area = raster::intersect(africa_shp,occs.xy)
study_area@data$ADM0_NAME

africa_study_area = africa_shp[africa_shp@data$ADM0_NAME %in% study_area@data$ADM0_NAME,]

africa_study_area = gSimplify(africa_study_area,0.01, topologyPreserve=TRUE)

plot(africa_study_area)

plot(occs.xy,add=T)

# New buffer for modelling
bgExt_model <- rgeos::gBuffer(africa_study_area, width = 1)
plot(bgExt_model, border="red", add=T)

# Now select one of the bioenv rasters
bio1 = raster("chelsa/envicloud/chelsa/chelsa_V1/climatologies/bio/CHELSA_bio10_01.tif")

plot(bio1)

# Use MCP to crop raster
envsBgCrop <- raster::crop(bio1, africa_study_area)
# Decrease raster resolution
envsBgCropAgg = raster::aggregate(envsBgCrop,6)
envsBgCropAgg = raster::aggregate(envsBgCropAgg,2)
envsBgMsk <- raster::mask(envsBgCropAgg, africa_study_area)
plot(envsBgMsk)
plot(anf_clean,pch=16,cex=.5, add=TRUE)

# Create original grid for intersecting with points
# Create new raster for identifiying cells
r2 = envsBgMsk
values(r2) <- 1:ncell(r2)
r2 = raster::mask(r2, envsBgMsk)
plot(r2)

anf_clean_2 = spp_all
coordinates(anf_clean_2) = c("Longitude","Latitude" )
anf_clean_3 = anf_clean_2[,"Scientific"]

# Keeping only cells that intersect with raster layers
r3 = raster::mask(r2,raster::buffer(anf_clean_3,width=10000))
plot(r3)
```

```
plot(anf_clean_2,add=TRUE)

names(r3) = "layer"
r4<-rasterToPolygons(r3)

#print("step 2 - show new grid")
plot(r2)
plot(r4,add=TRUE)
print("step 3 - intersecting")

anf_clean_2 = spp_all
coordinates(anf_clean_2) = c("Longitude","Latitude" )
plot(anf_clean_2,add=TRUE)

# All the steps below is to keep one one record for grid cell for counting
crossing<- raster::intersect(anf_clean_2,r4)
tail(crossing)
names(crossing) = c("Scientific","d")
crossing_dat<-crossing[,c("Scientific","d")]
crossing_dat<- na.exclude(unique(crossing_dat@data))
dim(crossing_dat)
#rm(crossing)
# Getting coordinates from the raster centroids
grid_coord<- gCentroid(r4,byid=TRUE, id =r4@data$layer)
grid_coord<- as.data.frame(grid_coord@coords)
grid_coord$d<-r4@data$layer
head(grid_coord)
crossing_dat$long <- grid_coord$x[match(crossing_dat$d,grid_coord$d)]
crossing_dat$lat <- grid_coord$y[match(crossing_dat$d,grid_coord$d)]
head(crossing_dat)
spp_coords<-crossing_dat[,c(1,3,4)]
#head(spp_coords)
print("Done!")
#####

plot(spp_coords)

# Selecting species by the number of records ####
inc <- table(spp_coords$Scientific)
inc_full_model <- names(inc[inc > 11]) # more then 11 records
inc_full_model
length(inc_full_model)
domain_locs <- names(inc[inc <= 11 & inc > 1]) # more than 1 less than 11
domain_locs
length(domain_locs)
single_loc <- names(inc[inc < 2]) # Only one record
length(single_loc)
single_loc

# Ignore 4 lines below (for test)
# This line subsets the points to contain only the species in the above selection
#out <- brom.occs[brom.occs$accepted_name_species %in% inc,]
#pts <- out[,c("accepted_name_species", "decimallongitude", "decimallatitude")]
#colnames(pts)<- c("Species", "Long","Lat")
```

```
# Minority of species with enough data for modelling
# Therefore, lets run species richness and weighted endemism using polygons
# Richness polygons
ocorrencias = spp_coords@data
colnames(ocorrencias)<- c("species", "decimallongitude","decimallatitude")
head(ocorrencias)

# Calculate ranges
All_ranges = CalcRange(ocorrencias, method = "pseudospherical", terrestrial = FALSE, rare = "buffer")
proj4string(All_ranges) = "+proj=longlat +datum=WGS84 +no_defs"

#Hyperolius koehleri
# For some reason, species were repeated in some lines above
which(All_ranges@data$species == "Hyperolius koehleri")
which(All_ranges@data$species == "Kassina cochranae")

All_ranges = All_ranges[-c(205,206),]

# Add a small buffer surrounding the polygons
All_ranges = rgeos::gBuffer(All_ranges,byid=TRUE,id=All_ranges@data$species,width=.1)

# Calculate richness
all_range = RangeRichness(All_ranges, ras = r2[[1]], terrestrial = FALSE)#
all_range = mask(all_range,r2[[1]]) # to keep it inside the study area
plot(all_range)
maps::map('world',add=TRUE)
plot(spp_coords, cex=.3,add=TRUE)
#plot(spp_coords)
#maps::map('world',add=TRUE)

# Improving mapping
colour = rev(magma(50)) #
colour[1]=NA
plot(spp_coords)
#
plot(africa_study_area,col=NA,border=NA)
plot(all_range, col = "white")
plot(all_range, col = colour, add=TRUE)
plot(africa_study_area,add=TRUE)
#maps::map('world',add=TRUE,xlim=c(-20,32.7))
title(paste0("Species richness", "\n(range polygons)"))


# Lets use a coarser grid for plotting to compare with our other analyses (gdm)
r_agg = raster::aggregate(r2,10)
r_agg # Our new resolution is 0.5 x 0.5 degrees

# Plot richness again
# Calculate richness
all_range_2 = RangeRichness(All_ranges, ras = r_agg, terrestrial = FALSE)#
all_range_2 = mask(all_range_2,r_agg) # to keep it inside the study area
plot(all_range_2)
maps::map('world',add=TRUE)
```

```
# Improving mapping
colour = rev(magma(50)) #
colour[1]=NA

# Cropping by study border
all_range_2 = raster::mask(all_range_2,africa_study_area)

## Plotting again
plot(all_range_2, col = "white")
plot(all_range_2, col = colour, add=TRUE)
plot(africa_study_area,add=TRUE)
title(paste0("Species richness", "\n(range polygons)"))

# save plot in PDF
options(repr.plot.width=7, repr.plot.height=7)
par(mar = c(0, 0, 0, 0))
pdf("species_richness_mcp.pdf")
plot(all_range_2, col = "white")
plot(all_range_2, col = colour, add=TRUE)
plot(africa_study_area,add=TRUE)
title(paste0("Species richness", "\n(range polygons)"))
dev.off()

# write raster to open in Qgis if needed
writeRaster(all_range_2, "species_richness_mcp.tif", overwrite=TRUE)

# Now calculate endemism
# First we need to indicate which cells are crossing with the species polygons
r_agg2= r_agg
values(r_agg2) <- 1:ncell(r_agg2)
r_agg2 = mask(r_agg2, r_agg)
plot(r_agg2)
names(r_agg2) = "layer"

r5<-rasterToPolygons(r_agg2) # Will take some minutes
crossing<- raster::intersect(All_ranges,r5) # will take some minutes
head(crossing)
crossing_dat<-crossing[,c("species","layer")]
crossing_dat<- na.exclude(crossing_dat)
#rm(crossing)
# Getting coordinates from the raster centroids
grid_coord<- gCentroid(r5,byid=TRUE, id =r5@data$layer)
grid_coord<- as.data.frame(grid_coord)
head(grid_coord)
grid_coord$layer<-r5@data$layer
colnames(grid_coord) = c("x","y","layer")
#head(grid_coord)
crossing_dat$long <- grid_coord$x[match(crossing_dat$layer,grid_coord$layer)]
crossing_dat$lat <- grid_coord$y[match(crossing_dat$layer,grid_coord$layer)]
tail(crossing_dat)
spp_coords<- as.data.frame(crossing_dat[,c(1,3,4)])
head(spp_coords)
class(spp_coords)
```

```
# Agora calcula o WE a partir dos ranges para comparar com os pols
WE_reptiles_span = weighted.endemism(species_records = spp_coords, records = "single", species = "species",
longitude = "long", latitude = "lat",frame.raster= r_agg2, type = "weighted",plot.raster = FALSE,  weight.type = "cell",
geo.type = "cell", outlier_pct = 100, verbose = TRUE)

WE_reptiles_span_plot = WE_reptiles_span$WE_raster
#WE_reptiles_span_plot = resample(WE_reptiles_span_plot,r_agg,method="ngb")
#WE_reptiles_span_plot = mask(WE_reptiles_span_plot,r_agg2)

# Plot species richness again
colour = rev(magma(50)) #
colour[1]=NA
plot(all_range_2, col = colour)
maps::map('world',add=TRUE)
title(paste0("Species richness", "\n(range polygons)"))

# Plot weighted endemismo

plot(WE_reptiles_span_plot, col = rev(magma(50)))
plot(africa_study_area,add=TRUE)
title(paste0("Weighted endemism", "\n(range polygons)"))

# Save plot
pdf("weighted_endemism_mcp.pdf")
plot(WE_reptiles_span_plot, col = rev(magma(50)))
plot(africa_study_area,add=TRUE)
title(paste0("Weighted endemism", "\n(range polygons)"))
dev.off()

# write raster to open in Qgis if needed
writeRaster(WE_reptiles_span_plot, "weighted_endemism.tif", overwrite=TRUE)


# Run weighted endemism significance test
WE_span_test = endemism.null.test(WE_reptiles_span)

# Wait to finish above before plotting below
WE_span_test_plot = mask(WE_span_test$out.above.below.raster,r_agg2)

WE_span_test_plot = raster::mask(WE_span_test_plot,africa_study_area)
plot(WE_span_test_plot,col = rev(magma(50)), legend=FALSE)
plot(africa_study_area,add=TRUE)
title(paste0("Significant WE areas", "\n(range polygons)"))
legend(legend("bottomleft", legend = c("higher","lower"), pch=15, col = c("#d73027","#ffffbf"), cex = 1.2, bty = "n")
)

# Save plot
pdf("weighted_endemism_test_mcp.pdf")
plot(WE_span_test_plot,col =  c("#ffffbf","#d73027"), legend=FALSE)
plot(africa_study_area,add=TRUE)
title(paste0("Significant WE areas", "\n(range polygons)"))
legend("bottomleft", legend = c("higher","lower"), pch=15, col = c("#d73027","#ffffbf"), cex = 1.2, bty = "n")
dev.off()
```

```
# write raster to open in Qgis if needed
writeRaster(WE_span_test_plot, "significant_weighted_endemism.tif", overwrite=TRUE)

## To run GDM

SpGeoCod_object = SpGeoCod(ocorrencias, r5, areanames = "layer")
pres_abs = SpGeoCod_object$spec_table
pres_abs[1:5,1:5]

# Transform in presence absence (instead of abundances)
pres_abs5 = pres_abs
pres_abs5<-1*(pres_abs5>0)

# Select only cells with more than 2 species

pres_abs6 = pres_abs5[,which(colSums(pres_abs5)>2)]

# Calculate taxonomic beta diversity
all_spp.betapair<-beta.pair(t(pres_abs6), index.family="sor")
nrow(as.matrix(all_spp.betapair$beta.sor))
ncol(as.matrix(all_spp.betapair$beta.sor))

# Select taxonomic turnover
#
all_spp.betapair.beta.turnover <- as.data.frame(as.matrix(all_spp.betapair$beta.sor))
all_spp.betapair.beta.turnover[1:10,1:10]

# Adiciona long, lat e layer name
#all_spp.betapair.beta.turnover$long <-
grid_coord$x[match(rownames(all_spp.betapair.beta.turnover),grid_coord$layer)]
#all_spp.betapair.beta.turnover$lat <- grid_coord$y[match(rownames(all_spp.betapair.beta.turnover),grid_coord$layer)]
#all_spp.betapair.beta.turnover$layer <-
grid_coord$layer[match(rownames(all_spp.betapair.beta.turnover),grid_coord$layer)]
#colnames(all_spp.betapair.beta.turnover)

tax_tur <- all_spp.betapair.beta.turnover
tax_tur=tax_tur[rownames(tax_tur) %in% r5@data$layer,colnames(tax_tur) %in% r5@data$layer]
tax_tur<- cbind(row.names(tax_tur),tax_tur)
colnames(tax_tur) <- c("site",  colnames(tax_tur[2:ncol(tax_tur)]))
tax_tur[1:5, 1:5]

#### Preparing data frames ####
# Grid cells
grid_cells=r5[r5@data$layer %in% tax_tur$site,]
coodinates_grid_cells <- rgeos::gCentroid(grid_cells, byid=TRUE,id =grid_cells@data$layer)
coodinates_grid_cells <- as.data.frame(coodinates_grid_cells@coords)
coodinates_grid_cells$pred <- rep(1 , nrow(coodinates_grid_cells))

## Preparing sites
site <- tax_tur$site
fake_preds <- cbind(row.names(tax_tur),as.data.frame(coodinates_grid_cells$pred))
fake_preds$x <- coodinates_grid_cells$x
fake_preds$y <- coodinates_grid_cells$y
colnames(fake_preds) <- c("site", "fake_var","x","y")
```

```
## Preparing raster

# Chelsa rasters
preds=stack(list.files(path = "chelsa/envicloud/chelsa/chelsa_V1/climatologies/bio/",pattern = ".tif", full.names =
TRUE))

names(preds)

names(preds)=c("bio1",'bio2','bio3','bio4','bio5','bio6','bio7','bio8','bio9',"bio10",
"bio11",'bio12','bio13','bio14','bio15','bio16','bio17','bio18','bio19')

names(preds)

preds_crop = raster::crop(preds,r_agg2) # it will take some time

# Decrease resolution
preds_aggre = raster::aggregate(preds_crop,12,median)

# Choose below
# preds_aggre_2 = preds_aggre
#preds_aggre_2 = raster::aggregate(preds_aggre,5,median)

preds_mask <- raster::mask(preds_aggre_2,rgeos::gBuffer(africa_study_area,byid=FALSE,width=1))

#preds_res <- resample(preds_mask,r_agg2)
#preds_res = preds_mask

plot(preds_res[[1]])

# Get elevation layer
elevation <- raster("/Users/josue/Dropbox/4Environmental_layers/wc2.1_5m_elev.tif")
elevation_crop = raster::crop(elevation,rgeos::gBuffer(africa_study_area,byid=FALSE,width=1)) # it will take some
time
elevation_mask = raster::mask(elevation_crop,rgeos::gBuffer(africa_study_area,byid=FALSE,width=1)) # it will take
some time

plot(elevation_mask)

# Calculate relief roughness
rel_roughness = terrain(elevation_mask, opt="roughness", neighbors=8)
plot(rel_roughness)

rel_roughness_aggre = raster::aggregate(rel_roughness,2,median)
plot(rel_roughness_aggre)
rel_roughness_aggre_res <- resample(rel_roughness_aggre,preds_res[[1]])
rel_roughness_m <- mask(rel_roughness_aggre_res,preds_res[[1]])

plot(rel_roughness_m)

# Join layers of climate and terrain
all_var = stack(rel_roughness_m,preds_res)

# Checking colinearity between variables
```

```
vif_list <- vifstep(all_var)
vif_list

# Subset variables based on VIF
preds_sub = exclude(all_var, vif_list)

# Plot only non-colinear variables
plot(all_var)

# Get variables values per cell
#preds=spatialEco::raster.transformation(preds, trans ="std")
preds_match=raster::extract(all_var,grid_cells,fun="median")
preds_match2= cbind(preds_match,fake_preds[,c(1,3:4)])
tail(preds_match2)
summary(preds_match2)
#preds_match3= cbind(preds_match2[,c(3,12)],fake_preds[,c(1,3:4)])

# Produce GDM TABLE
gdmTab.dis <- formatsitepair(tax_tur, bioFormat=3, XColumn="x", YColumn="y",predData=preds_match2,
siteColumn="site")

head(gdmTab.dis)


var_importance= gdm.varImp(gdmTab.dis, geo=TRUE, nPerm=10, parallel=TRUE, cores=6,sampleSitePairs=0.8) #
change it to 100

saveRDS(var_importance, "var_importance_10x.rds")

# Selecting best model
x = as.data.frame(var_importance[[3]] < 0.175)
df_model_sel = head(colnames(x[sapply(x, function(x) !any(which(!x)))]),1)

# Results for table
bm= df_model_sel
model_x = round(as.data.frame(var_importance[[1]][,bm]),1)
colnames(model_x) = "Values"
# To past in Word and prepare table
write.csv(model_x)

# Now variable importance
bm= df_model_sel
model_y = round(as.data.frame(var_importance[[2]][,paste0(bm)]),1)
model_y$sig= as.data.frame(var_importance[[3]][,paste0(bm)])
#model_y$sig= ifelse(model_y$sig < 0.05,"",NA )
model_y = na.exclude(model_y)
model_y=rownames(model_y)
model_y_rows = model_y

model_y_rows = unique(model_y_rows)
initial_df = as.data.frame(cbind(model_y_rows,rep(1,length(model_y_rows))))
colnames(initial_df)= c("variable","dummy_var")
#####
```

```
# Table all spp, second Part (variable importance and significance * ** ***) ####
part_b= initial_df # run this first one time

  bm= df_model_sel
  model_y = round(as.data.frame(var_importance[[2]][,paste0(bm)]),1)
  model_y$sig= as.data.frame(var_importance[[3]][,paste0(bm)])
  #model_y$sig= ifelse(model_y$sig < 0.05,"",NA )
  model_y = na.exclude(model_y)
  model_y$var =rep(rownames(model_y))
  colnames(model_y) = c("Variable importance","sigui","variable")
  attr(model_y[,2], "ATT") <- NULL
  p_value_sar_res= ifelse(model_y$sigui >= 0.05, p_value_sar_res <- paste0(""), ifelse(model_y$sigui <= 0.05 &
model_y$sigui >= 0.01, p_value_sar_res <- paste0("*"), ifelse(model_y$sigui < 0.009 & model_y$sigui >= 0.001,
p_value_sar_res <- paste0("**"),  p_value_sar_res <- paste0("***")))) ## p_value_sar refers to the asterisks
  model_y$`Variable importance`= paste0(model_y$`Variable importance`,p_value_sar_res)
  model_y=model_y[,c("variable","Variable importance")]

write.csv(model_y)

# Rerun GDM model only for the best model
model_y$variable # no need to select geographic

preds_match_final= preds_match2[,c("bio5","bio8","bio16","bio18","site","x","y")]

# Produce GDM TABLE
gdmTab.dis_final <- formatsitepair(tax_tur, bioFormat=3, XColumn="x", YColumn="y",predData=preds_match_final,
siteColumn="site")

# Run GDM with selected variables
gdm.1 <- gdm(gdmTab.dis_final, geo=TRUE)

summary(gdm.1)
str(gdm.1)

# Projected turnover
length(gdm.1$predictors)

plot(gdm.1, plot.layout=c(3,3))

# Save plot
pdf("gdm_plots.pdf")
plot(gdm.1, plot.layout=c(3,3))
dev.off()

# Transforming rasters according to GMD predictions
rastTrans <- gdm::gdm.transform(gdm.1, subset(all_var,c(c("bio5","bio8","bio16","bio18"))))

plot(rastTrans)

rastDat <- na.omit(getValues(rastTrans))
#rastDat <- sampleRandom(rastTrans, 50000) # can use if rasters are large
pcaSamp <- prcomp(rastDat)
# note the use of the 'index' argument
pcaRast <- predict(rastTrans, pcaSamp, index=1:3)
```

```
# scale rasters
pcaRast[[1]] <- (pcaRast[[1]]-pcaRast[[1]]@data@min) /
  (pcaRast[[1]]@data@max-pcaRast[[1]]@data@min)*255
pcaRast[[2]] <- (pcaRast[[2]]-pcaRast[[2]]@data@min) /
  (pcaRast[[2]]@data@max-pcaRast[[2]]@data@min)*255
pcaRast[[3]] <- (pcaRast[[3]]-pcaRast[[3]]@data@min) /
  (pcaRast[[3]]@data@max-pcaRast[[3]]@data@min)*255

dev.off() # run this line multiple time until you get an error message


plot(all_range_2, col = "white", legend=FALSE)
plotRGB(pcaRast, r=1, g=2, b=3, add=TRUE)
maps::map('world',add=TRUE)
title(paste0("Turnover of species composition"))


# save plot in PDF
pdf("taxonomic_turnover.pdf")
plot(all_range_2, col = "white", legend=FALSE)
plotRGB(pcaRast, r=1, g=2, b=3, add=TRUE)
maps::map('world',add=TRUE)
title(paste0("Turnover of species composition"))
dev.off()

writeRaster(pcaRast, "pcaRast.grd")

# Here's to create a discrete regionalization scheme
sampling_pts = rasterToPoints(rastTrans[[1]])
sampling_pts=sampling_pts[,-3]
where_about = raster::extract(rastTrans,sampling_pts)
sampling_pts_2 = cbind(sampling_pts,where_about)
sampling_pts_3 = na.exclude(sampling_pts_2)
attr(sampling_pts_3, "ATT") <- NULL
head(sampling_pts_3)
for_agnes = sampling_pts_3[,-c(1:2)]
tree_an = agnes(for_agnes, method = "average") # it will a few minutes

# Select somehow a number of clusters for regionalization. I will set k=5
cluster_membership=cutree(tree_an, k = 5)
cluster_membership2=cutree(tree_an, k = 5)

# Prepare data for plotting
pts_to_plot= as.data.frame(cbind(sampling_pts_3[,c(1:2)],cluster_membership))
pts_to_plot$cluster_membership2 = cluster_membership2
coordinates(pts_to_plot)=pts_to_plot[,c(1:2)]
pred_rast = raster::rasterize(pts_to_plot,rastTrans,field=pts_to_plot@data$cluster_membership)
pred_pol =
rasterToPolygons(raster::rasterize(pts_to_plot,rastTrans,field=pts_to_plot@data$cluster_membership2),dissolve =
TRUE)
pts_to_plot_df = pts_to_plot@data

# Plotting
```

```
pred_rast = raster::mask(pred_rast,rgeos::gBuffer(africa_study_area,byid=FALSE,width=.1))

#plot(pred_rast,col=brewer.pal(5, "Set1"))
plot(pred_rast,col=c('#4477AA', '#228833', '#CCBB44', '#EE6677', '#AA3377'))
plot(africa_study_area,add=TRUE)
title(paste0("Bioregions"))

# Save in PDF
pdf("bioregions_alternative_colors.pdf")
#plot(pred_rast,col=brewer.pal(5, "Set1"))
# Color blind friendly '#4477AA', '#EE6677', '#228833', '#CCBB44', '#66CCEE', '#AA3377', '#BBBBBB'.
plot(pred_rast,col=c('#4477AA', '#228833', '#CCBB44', '#EE6677', '#AA3377'))
plot(africa_study_area,add=TRUE)
title(paste0("Bioregions"))
dev.off()

# Write raster
writeRaster(pred_rast, "bioregions.tif")

# Now, whats is the deviation from current climates into the future?
# Chelsa rasters for the future (2070-2100)
preds_future=stack(list.files(path = "chelsa/envicloud/chelsa/chelsa_V2/GLOBAL/climatologies/2071-2100/GFDL-
ESM4/ssp585/bio/",pattern = ".tif", full.names = TRUE))
names(preds_future)
names(preds_future)=c("bio1","bio10",
"bio11",'bio12','bio13','bio14','bio15','bio16','bio17','bio18','bio19','bio2','bio3','bio4','bio5','bio6','bio7','bio8','bio9')
names(preds_future)

# Subset the variables selected in gdm
preds_future_sub = subset(preds_future,c("bio5","bio8","bio16","bio18"))

preds_future_crop = raster::crop(preds_future_sub,r_agg2) # it will take some time

# Decrease resolution
preds_future_aggre = raster::aggregate(preds_future_crop,12,median)
preds_future_aggre_2 = raster::aggregate(preds_future_aggre,5,median)

preds_future_mask <- mask(preds_future_aggre_2,r_agg2)
preds_future_res <- resample(preds_future_mask,r_agg2)

plot(preds_future_res)

# Also subset the current climate raster to keep only best gdm variables
current_raster = subset(all_var,c("bio5","bio8","bio16","bio18"))

plot(current_raster)

raster_pca = RStoolbox::rasterPCA(all_var,nComp = 4)
plot(raster_pca$map)

# As temperature variables of current raster are not in the same scale, I will transform them
current_raster[[1]] = current_raster[[1]]/10
current_raster[[2]] = current_raster[[2]]/10
```

```
# Now use gdm to predict changes in species comunities into the future

timePred <- predict(gdm.1, current_raster, time=TRUE, predRasts=preds_future_res)

# Ploting predicted changes
timePred = raster::mask(timePred,rgeos::gBuffer(africa_study_area,byid=FALSE,width=.1))


plot(timePred, col=rev(inferno(5)))
plot(africa_study_area,add=TRUE)
title(paste0("Predicted magnitude of biological change through time"))

# Save in PDF

pdf("biological_change.pdf")
plot(timePred, col=rev(inferno(5)))
plot(africa_study_area,add=TRUE)
title(paste0("Predicted magnitude of biological change through time"))
dev.off()

# Write raster
writeRaster(timePred, "predicted_biological_change.tif")

### I will model the species with 6 or more records anyway, so that you have the script for modelling if you wish to use
it
# Lets use the most important variables found in gdm
# All the steps below is to keep one one record for grid cell for counting
r4<-rasterToPolygons(r2)
names(r4) = "layer"
crossing<- raster::intersect(anf_clean_2,r4)
head(crossing,50)
names(crossing) = c("Scientific","d")
crossing_dat<-crossing@data[,c("Scientific","d")]
crossing_dat<- na.exclude(crossing_dat)
dim(crossing_dat)
crossing_dat = unique(crossing_dat)
dim(crossing_dat)
#rm(crossing)
# Getting coordinates from the raster centroids
grid_coord<- gCentroid(r4,byid=TRUE, id =r4@data$layer)
grid_coord<- as.data.frame(grid_coord@coords)
grid_coord$d<-r4@data$layer
head(grid_coord)
crossing_dat$long <- grid_coord$x[match(crossing_dat$d,grid_coord$d)]
crossing_dat$lat <- grid_coord$y[match(crossing_dat$d,grid_coord$d)]
head(crossing_dat)
spp_coords<-crossing_dat[,c(1,3,4)]
names(spp_coords) = c("species", "long", "lat")

# Selecting species by the number of records ####
inc <- table(spp_coords$species)
inc_full_model <- names(inc[inc > 11]) # more then 11 records
inc_full_model
length(inc_full_model)
```

```
domain_locs <- names(inc[inc <= 11 & inc > 1]) # more than 1 less than 11
domain_locs
length(domain_locs)
single_loc <- names(inc[inc < 2]) # Only one record
length(single_loc)
single_loc

species_to_model <- names(inc[inc > 11]) # more then 5 records
species_to_model

# This line subsets the points to contain only the species in the above selection
full_presence_data_clean <- spp_coords[spp_coords$species %in% species_to_model,]

# Lets use a 0.1 x 0.1 degrees resolution to model
# Decrease resolution
current_raster_2 = subset(preds_res,c("bio5","bio8","bio16","bio18"))
#plot(current_raster_2)
#current_raster[[1]] = current_raster[[1]]/10
#current_raster[[2]] = current_raster[[2]]/10

# Creating probablility raster ####
n_visits_anf =
read.csv("/Users/josue/Dropbox/africa_modelling/doi_10.5061_dryad.ngf1vhhsg__v3/amphibian_gbif_clean_final.csv"
)

head(n_visits_anf)
colnames(n_visits_anf) = c("Scientific","year","long","lat")
head(n_visits_anf)

coordinates(n_visits_anf) = n_visits_anf[,c("long","lat")]
plot(n_visits_anf)

n_visits_cent_anf = raster::crop(n_visits_anf,bgExt_model)

plot(n_visits_cent_anf)

# All the steps below is to keep one one record for grid cell for counting
crossing<- raster::intersect(n_visits_cent_anf,r5) # r5 = 0.5 degrees
tail(crossing)
crossing_dat<-crossing[,c("year","layer")]
names(crossing_dat) = c("year","d")
crossing_dat<- na.exclude(crossing_dat)
dim(crossing_dat)
head(crossing_dat)
# Getting coordinates from the raster centroids
grid_coord<- gCentroid(r5,byid=TRUE, id =r5@data$layer)
grid_coord<- as.data.frame(grid_coord@coords)
grid_coord$d<-r5@data$layer
head(grid_coord)
crossing_dat$long <- grid_coord$x[match(crossing_dat$d,grid_coord$d)]
crossing_dat$lat <- grid_coord$y[match(crossing_dat$d,grid_coord$d)]
head(crossing_dat)
n_visits_cent_anf_05 <-crossing_dat@data[,c(1,3,4)]
```

```
# Unique visits per year per cell
nrow(n_visits_cent_anf_05)
n_u_visits_cent_anf_05 = unique(n_visits_cent_anf_05)
nrow(n_u_visits_cent_anf_05)
head(n_u_visits_cent_anf_05)
n_u_visits_cent_anf_05$IDd = 1
head(n_u_visits_cent_anf_05)
# back to points
coordinates(n_u_visits_cent_anf_05) = n_u_visits_cent_anf_05[,c("long","lat")]
n_visits_cent_anf_rast = raster::rasterize(n_u_visits_cent_anf_05,field=1,raster::mask(r_agg2,
bgExt_model),fun=sum,background=1)

plot(n_visits_cent_anf_rast)

n_visits_cent_anf_rast = raster::disaggregate(n_visits_cent_anf_rast,5)
n_visits_cent_anf_rast_fin = raster::mask(n_visits_cent_anf_rast,bgExt_model)

plot(n_visits_cent_anf_rast_fin)

#N_B =ceiling(ncell(n_visits_cent_anf_rast_fin)*0.1)
#bg <- dismo::randomPoints(mask=n_visits_cent_anf_rast_fin,n=N_B, prob = TRUE)
#points(bg, bg = "blue", pch = 21, cex=.5)
#####

# Set a species list for modelling
species_list =species_to_model
head(full_presence_data_clean)

evaluation_SDMs <- data.frame(matrix(ncol = 5, nrow = 0))
x <- c("Species", "AUC", "TSS", "Kappa", "Threshold")
colnames(evaluation_SDMs) <- x
write.table(evaluation_SDMs,"evaluation_SDMs") # Take care that if you have run some models before, this line will
erase the evaluations

# For modelling with PCs
current_raster_2 = raster_pca$map

for (i in 1:length(species_list)){
  setwd("/Users/josue/Dropbox/africa_modelling") # Remember to change to the location in your computer!
  #i=17
  species = species_list[i]
  print(paste0("Begin modelling for ","sp", i,": ", species_list[i]))
  genero <- word(species, 1, sep=" ")
  especie <- word(species, 2, sep=" ")

  # Create a MCP and use it as the background for each species
  occs.xy.z <- full_presence_data_clean[full_presence_data_clean$species == species_list[i],]
  occs.xy <- occs.xy.z[c('long', 'lat')]
  sp::coordinates(occs.xy) <- ~ long + lat
  bgExt <- mcp(occs.xy, percent = 100)
  bgExt <- rgeos::gBuffer(bgExt, width = 5)

  # Crop env raster to the species background
  envsBgCrop <- raster::crop(current_raster_2, bgExt)
```

```
  envsBgMsk <- raster::mask(envsBgCrop, bgExt)

  fun <- function() {
    plot(bgExt, add=TRUE, lty=2, lwd=0.5)
    points(occs.xy@coords, bg = "red", pch = 21)
  }
  plot(envsBgMsk[[1]], addfun=fun)

  # Below I created an empty raster to add the species points to it
  bck.na<-envsBgMsk[[1]]
  bck.na[]<-NA

  # This is just to make sure we have only one record per grid cell (necessary only when not using spthin as we did before, but I will maintain it here, as it wont change anything but will keep the script the same regardless of using spthin)
  r<-rasterize(coordinates(occs.xy.z[,c('long', 'lat')]),bck.na,fun='count')

  occ_data_clean_ok.pa<-rasterToPoints(r,fun=function(x){x>0}, spatial=T)
  ###
  points(occ_data_clean_ok.pa@coords, bg = "blue", pch = 21)


  # Here I will create the pseudo-absences. For modelling, we want to have not only the presence records, but also the places where we do not have the species. As absence records are rare for most species, we generate a random distribution of points to call them pseudo-absences and we use it for modelling. For Maxent, a large number of pseudo absences is generally required and we have the loop below indicating to produce more or less random points according to the extent of the climate raster of each species cropped above.

# Crop sampling bias rasters
 en_visits_cent_anf_rast_crop <- raster::crop(n_visits_cent_anf_rast_fin, bgExt)
  en_visits_cent_anf_rast_mask <- raster::mask(n_visits_cent_anf_rast_fin, bgExt)

  en_visits_cent_anf_rast_mask = en_visits_cent_anf_rast_mask/maxValue(en_visits_cent_anf_rast_mask)

#plot(en_visits_cent_anf_rast_mask)

#length(na.exclude(getValues(en_visits_cent_anf_rast_mask)))

#  if (ncell(en_visits_cent_anf_rast_mask)>100000){
#    bg <- randomPoints(mask=en_visits_cent_anf_rast_mask,n=10000, prob = TRUE)
#  } else {
    N_B =ceiling(length(na.exclude(getValues(en_visits_cent_anf_rast_mask)))*0.05)

    N_B =  ifelse(N_B>1000,1000,N_B)

    #N_B =ceiling(length(na.exclude(getValues(en_visits_cent_anf_rast_mask)))*0.05)

    bg <- dismo::randomPoints(mask=en_visits_cent_anf_rast_mask,p=occ_data_clean_ok.pa,excludep=TRUE,n=N_B, prob = TRUE)
#  }

points(bg, bg = "red", pch = 21,cex=.1)

  # Just save as another object
```

```
  envsBgMsk_scale = envsBgMsk

  # To set k-fold number. When modelling, we can separated our data in test and training. In the case of the evaluation method randomkfold, depending on the number of species records, we can use 5 divisions of the data or ten.
  mmm = ifelse(nrow(occ_data_clean_ok.pa@data)<25, 10 ,5)

  # And here is to select the evaluation method. Generally, when you have too few points, it is better to use jackknife or bootstrap
  metodo = ifelse(nrow(occ_data_clean_ok.pa@data)<21, "jackknife" ,"randomkfold")

  # If you have enough data (25 or more records), I would recommend to use the block method instead of randomkfold as in the example above.

  # Finally, let's model the species distribution/niche. Take a look at the help of the function ENMevaluate, see all options. This function helps to run all tunning sets that we could test for fitting a model.

  mx3<-ENMevaluate(env=envsBgMsk_scale, occ=coordinates(occ_data_clean_ok.pa), bg.coords=bg,
#ORIGINALMENTE O ENV=raster_stack
                   RMvalues=seq(0.5,5,0.5),
                   fc=c("L","LQ","LQP","T","LQT"),
                   method=metodo,kfolds=mmm, parallel = TRUE,numCores=6)

  # Save results by best AICc

  # Create a directory (if already do not exists called output_SDM)
  dir.create("output_SDM_2")

  setwd(paste("output_SDM_2",sep="/"))

  # Order results by best AICc
  ENMresults <- mx3@results[order(mx3@results$delta.AICc),]

  # Write species results
  write.table(ENMresults, paste(genero,especie,'evaluation_SDMs.csv', sep="_"), sep="\t", row.names=FALSE)

  #
  nn = ifelse(sum(mx3@results$delta.AICc < 2 &  mx3@results$train.AUC>0.5,na.rm = TRUE)==0,10,2)

  # Selecting models with lowers AIC and train higher than 0.5
  ENMv_dAICc <- subset(ENMresults,delta.AICc <=nn)#
  ENMv_dAICc <- subset(ENMv_dAICc,train.AUC > 0.5)#


  ###########
  # Predict raster
  ###########
  ###
  # Clocklog predictions
  ####
  mx_pred_AIC2= mx3@models[which (mx3@results$delta.AICc<=nn  & mx3@results$train.AUC>0.5)]
  weights_AUC = mx3@results[which (mx3@results$delta.AICc<=nn & mx3@results$train.AUC>0.5),]$train.AUC


  norm_fun <- function(mx_pred_AIC2) {
```

```
  p <- maxnet.predictRaster(mx_pred_AIC2, envsBgMsk_scale, type="cloglog",clamp = TRUE)
  return(p)
 }
 present_norm_list= lapply(mx_pred_AIC2,norm_fun)
 present_norm=stack(present_norm_list)

 #
 log_pred = weighted.mean(x=present_norm, w=weights_AUC)


 # Save logistic output
 outputname = paste(paste(genero, especie, paste(ENMv_dAICc$settings,collapse='&'), "logistic", sep="_"), '.tif',
sep="")
 writeRaster(log_pred,outputname, bylayer = TRUE, options = c("COMPRESS=DEFLATE"), format="GTiff",
overwrite=TRUE)

 # Plot logistic predictions
 plot_log <- raster::plot(log_pred, main=paste(genero, especie,'logistic',"\n", paste(ENMv_dAICc$settings,collapse=' '),
sep=" "))
 points(mx3@occ.pts, pch=21, bg=mx3@occ.grp)

 pdf(paste(genero, especie, paste(ENMv_dAICc$settings,collapse='&'), 'logistic.pdf', sep="_"))
 plot(log_pred,  main=paste(genero, especie,'logistic',"\n", paste(ENMv_dAICc$settings,collapse=' '),  sep=" "))
 points(mx3@occ.pts, pch=21, bg=mx3@occ.grp)
 dev.off()

 # Show best models and AICcs

 col_int<- c('settings', 'AICc', 'delta.AICc', 'w.AIC','train.AUC', 'avg.test.AUC')
 ENMv_dAICc[,col_int]


 ## Here I will create a binary map (presence absence) using a threshold
 ## In this case I chose  maximum specificy=sensitivity

 sp1 <- occs.xy.z[,c("long","lat")] # we only kept the coordinates columns
 sp1$Occurrence <- 1 # add Occurrence column
 coordinates(sp1) <- c('long','lat')
 proj4string(sp1) = "+proj=longlat +datum=WGS84 +no_defs"

 en_visits_cent_anf_rast_mask = raster::crop(en_visits_cent_anf_rast_mask,log_pred)
 en_visits_cent_anf_rast_mask = raster::mask(en_visits_cent_anf_rast_mask,log_pred)
 N_B =ceiling(length(na.exclude(getValues(en_visits_cent_anf_rast_mask)))*0.05)
 N_B =  ifelse(N_B>1000,1000,N_B)
 bg <- dismo::randomPoints(mask=en_visits_cent_anf_rast_mask,p=occ_data_clean_ok.pa,excludep=TRUE,n=N_B,
prob = FALSE)

 psudo = as.data.frame(bg)
 psudo$Occurrence <- 0
 names(psudo) = c("long","lat","Occurrence")
 coordinates(psudo) = psudo[,c("long","lat")]

 psudo@data <- psudo@data[,"Occurrence",drop=F] # we only keep the column Occurrence
 proj4string(psudo) = proj4string(sp1)
```

```
  species <- rbind(sp1,psudo)


  obs <- species$Occurrence
  pred <- raster::extract(log_pred,species)

  ev <- evaluates(obs,pred)
  ev1 <- ev@threshold_based$threshold
  ev2 <- ev1[2] #  max(specificity+sensitivity).

  # Getting some statistcs to report
  AUC <- ev@statistics$AUC
  TSS <- ev@threshold_based$threshold[2]
  Kappa <- ev@threshold_based$Kappa[2]
  max_se_sp <- ev2

#boxplot(raster::extract(log_pred,sp1))

presence_values = na.exclude(raster::extract(log_pred,sp1))
outliers <- boxplot(raster::extract(log_pred,sp1), plot = FALSE)$out

presence_values = ifelse(presence_values %in% outliers,presence_values[-which(presence_values %in% outliers)]
,presence_values)

ev2 = ifelse(max_se_sp > 0.5, 0.5,max_se_sp)

# Write a table to keep the AUC and TSS values
  cbind.data.frame(species_list[i],AUC,TSS,Kappa,max_se_sp)

  write.table(cbind.data.frame(species_list[i],AUC,TSS,Kappa,max_se_sp),"evaluation_SDMs",append =
TRUE,col.names = FALSE,row.names = FALSE)


  # Crop to buffer buffer
  #log_pred <- raster::crop(log_pred, extent(envsBgMsk_scale))
  bgExt <- mcp(occs.xy, percent = 100)
  bgExt <- rgeos::gBuffer(bgExt, width = 1)

  log_pred <- raster::mask(log_pred, bgExt)
  plot(log_pred)
  points(mx3@occ.pts, pch=21, bg=mx3@occ.grp)

  # using ifelse to convert predicted probabilities into presence-absence (threshold=ev2)
  pr.pa <- raster(log_pred) # creating an empty raster
  pr.pa[] <- ifelse(log_pred[] >= ev2,1,0)
  plot(pr.pa)
  #plot(sp1, add=TRUE)
  points(mx3@occ.pts, pch=16)
  maps::map('world',add=TRUE)
  title(paste0("Thresholded_map"))

  # Bellow, I will only kepp the predictions that are close to the points (for example, when you want to remove
overpredictions when you want to create a species distribution map)
  #Detect continous clamps in the rasters
```

```
  clumped <- clump(pr.pa, directions=8)

  sp_buf <- raster::buffer(sp1,width=100000) ## here we use a buffer remove suitable areas that are not continuous with the species records


  inter <- raster::extract(clumped, sp_buf,na.rm=TRUE)
  inters <- na.exclude(inter[[1]])

  raster1 <- match(clumped,inters)

  pr.pa2 <- raster(raster1) # creating an empty raster
  pr.pa2[] <- ifelse(raster1[] >= 1,1,0)
  plot(pr.pa2)
  points(mx3@occ.pts, pch=16)
  maps::map('world',add=TRUE)
  title(paste0("Thresholded_map"))

  # To create species polygons from model predictions
  #Binary occurrences
  final_species_polygons = rasterToPolygons(pr.pa2,dissolve=TRUE)
  plot(final_species_polygons, col="red")
  points(mx3@occ.pts, pch=16)
  maps::map('world',add=TRUE)
  title(paste0("Thresholded_map"))

  outputname = paste(paste(genero,"_", especie, "_threshold" , '.tif', sep=""))
  writeRaster(pr.pa2,outputname, bylayer = TRUE, options = c("COMPRESS=DEFLATE"), format="GTiff", overwrite=TRUE)

writeOGR(final_species_polygons,paste0("/Users/josue/Dropbox/africa_modelling/output_SDM_2/",genero,"_", especie, "_threshold", ".shp") , driver="ESRI Shapefile",layer=final_species_polygons@data$layer, overwrite_layer = TRUE)

  print(paste0("Modelling complete for ","sp", i,": ", species_list[i]))
  setwd("/Users/josue/Dropbox/africa_modelling")
}

# Go back to home directory
setwd("/Users/josue/Dropbox/africa_modelling/")

# And now, lets run Species richness and endemism.
# First, for the species with 5 or less points, lets use the buffers or MCPs already calculated before

length(inc) # Total number of species

species_to_model <- names(inc[inc > 11])
length(species_to_model) # modelled species
species_to_MCP_buff <- names(inc[inc <= 11]) # more then 5 records
length(species_to_MCP_buff) # species to MCP

length(species_to_model) + length(species_to_MCP_buff)

# This line subsets the points to contain only the species in the above selection
```

```
full_presence_MCP_buff <- All_ranges[All_ranges$species %in% species_to_MCP_buff,]

full_presence_MCP_buff@data$species

## Take care with the path to the directory below output_SDM
list_of_polygons = list.files(path = "/Users/josue/Dropbox/africa_modelling/output_SDM_2/", pattern = ".shp",
full.names = TRUE)

# Bind species model polygons with MPC polygons

full_presence_All = full_presence_MCP_buff
for (i in 1:length(list_of_polygons)){
  pol = readOGR(list_of_polygons[i])
  pol@data$species =
gsub("_threshold.shp","",gsub("/Users/josue/Dropbox/africa_modelling/output_SDM_2//","",list_of_polygons[i])) #
  full_presence_All = bind(full_presence_All,pol)
}

full_presence_All@data$species

`%notin%` <- Negate(`%in%`)
# For testing senstivity, remove species from only one locality
full_presence_All = full_presence_All[full_presence_All$species %notin% single_loc,]


# Calculate richness
all_range_3 = RangeRichness(full_presence_All, ras = r_agg, terrestrial = FALSE)#
all_range_3 = mask(all_range_3,africa_study_area) # to keep it inside the study area
all_range_3 = raster::crop(all_range_3,africa_study_area)
plot(all_range_3)
plot(africa_study_area, add=TRUE)

# Improving mapping
colour = rev(magma(50)) #
colour[1]=NA
plot(all_range_3, col = "white")
plot(all_range_3, col = colour, add=TRUE)
plot(africa_study_area, add=TRUE)
title(paste0("Species richness", "\n(From SDMs without rare species)"))

# save plot in PDF
pdf("species_richness_SDMs.pdf")
plot(all_range_3, col = "white")
plot(all_range_3, col = colour, add=TRUE)
plot(africa_study_area, add=TRUE)
title(paste0("Species richness", "\n(From SDMs)"))
dev.off()

# write raster to open in Qgis if needed
writeRaster(all_range_2, "species_richness_SDMs.tif", overwrite=TRUE)

# Now calculate endemism again for models
crossing<- raster::intersect(full_presence_All,r5) # will take some minutes
head(crossing)
```

```
crossing = crossing@data[,c(1,3)]
head(crossing)
names(crossing) = c("species","layer")
crossing_dat<-crossing[,c("species","layer")]
crossing_dat<- na.exclude(crossing_dat)
#rm(crossing)
# Getting coordinates from the raster centroids
grid_coord<- gCentroid(r5,byid=TRUE, id =r5@data$layer)
grid_coord<- as.data.frame(grid_coord)
head(grid_coord)
grid_coord$layer<-r5@data$layer
colnames(grid_coord) = c("x","y","layer")
#head(grid_coord)
crossing_dat$long <- grid_coord$x[match(crossing_dat$layer,grid_coord$layer)]
crossing_dat$lat <- grid_coord$y[match(crossing_dat$layer,grid_coord$layer)]
tail(crossing_dat)
spp_coords<- as.data.frame(crossing_dat[,c(1,3,4)])
head(spp_coords)
class(spp_coords)
# Agora calcula o WE a partir dos ranges para comparar com os pols
WE_reptiles_span = weighted.endemism(species_records = spp_coords, records = "single", species = "species",
longitude = "long", latitude = "lat",frame.raster= r_agg2, type = "weighted",plot.raster = FALSE,  weight.type = "cell",
geo.type = "cell", outlier_pct = 100, verbose = TRUE)

WE_reptiles_span_plot = WE_reptiles_span$WE_raster
#WE_reptiles_span_plot = resample(WE_reptiles_span_plot,r_agg,method="ngb")
#WE_reptiles_span_plot = mask(WE_reptiles_span_plot,r_agg2)

WE_reptiles_span_plot = raster::crop(WE_reptiles_span_plot,africa_study_area)

# Plot weighted endemismo
plot(WE_reptiles_span_plot, col = rev(magma(50)))
plot(africa_study_area, add=TRUE)
title(paste0("Weighted endemism", "\n(From SDMs)"))

# Save plot
pdf("weighted_endemism_SDM.pdf")
plot(WE_reptiles_span_plot, col = rev(magma(50)))
maps::map('world',add=TRUE)
title(paste0("Weighted endemism", "\n(From SDMs)"))
dev.off()

# write raster to open in Qgis if needed
writeRaster(WE_reptiles_span_plot, "weighted_endemism_sdms.tif", overwrite=TRUE)



# Run weighted endemism significance test
WE_span_test = endemism.null.test(WE_reptiles_span)

# Wait to finish above before plotting below
WE_span_test_plot = mask(WE_span_test$out.above.below.raster,r_agg2)
WE_span_test_plot = raster::crop(WE_span_test_plot,africa_study_area)

plot(WE_span_test_plot,col = c("#ffffbf","#d73027"), legend=FALSE)
```

```
plot(africa_study_area, add=TRUE)
title(paste0("Significant WE areas", "\n(From SDMs without rare species)"))
legend("bottomleft", legend = c("higher","lower"), pch=15, col = c("#d73027","#ffffbf"), cex = 1.2, bty = "n")

# Save plot
pdf("weighted_endemism_test_sdm.pdf")
plot(WE_span_test_plot,col = c("#ffffbf","#d73027"), legend=FALSE)
plot(africa_study_area, add=TRUE)
title(paste0("Significant WE areas", "\n(From SDMs)"))
legend("bottomleft", legend = c("higher","lower"), pch=15, col = c("#d73027","#ffffbf"), cex = 1.2, bty = "n")
dev.off()

# write raster to open in Qgis if needed
writeRaster(WE_span_test_plot, "significant_weighted_endemism_test.tif", overwrite=TRUE)




# Classic palette BuPu, with 4 colors
coul <- rev(brewer.pal(11, "RdYlBu"))
# Add more colors to this palette :
coul <- colorRampPalette(coul,alpha=.8)(51)
plot(all_range_3-all_range_2, col=coul)
plot(africa_study_area, add=TRUE)
title(paste0("Difference Models and MCP"))

jnk=layerStats(raster::stack(all_range_3,raster::resample(all_range_2,all_range_3)), 'pearson', na.rm=T)

cor(all_range_3,all_range_2)

(56-59)/56*100

# Mapping species points
bio_SPDF<- readOGR("/Users/josue/Dropbox/1Doutorado/Chapter_2/biodiverse_pipeline-
master/wwf_biomes_simp.shp")
bio_SPDF2 = raster::crop(bio_SPDF,africa_study_area)

plot(WE_span_test_plot, col = "white", legend=FALSE)
plot(bio_SPDF2[1,], col= scales::alpha(bio_SPDF2@data$col[1],.9), border=NA, add=TRUE)
plot(africa_study_area,add=TRUE,border="darkgray")
plot(anf_clean, add = TRUE, cex=.6,pch=21,col="black", bg="#377eb8")

# Sampling bias raster

plot(raster::mask(n_visits_cent_anf_rast_fin,africa_study_area),col = rev(magma(50)))
plot(africa_study_area,add=TRUE)
title(paste0("Number of years visited"))
```

Order	Family	Genus
Anura		
	Arthroleptidae	*Arthroleptis*
	Arthroleptidae	
	Arthroleptidae	
	Arthroleptidae	
	Arthroleptidae	
	Arthroleptidae	
	Arthroleptidae	
	Arthroleptidae	
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	Arthroleptidae	
	Arthroleptidae	
	Arthroleptidae	
	Arthroleptidae	*Astylosternus*
	Arthroleptidae	
	Arthroleptidae	
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	Arthroleptidae	
	Arthroleptidae	
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	Arthroleptidae	
	Arthroleptidae	
	Arthroleptidae	*Cardioglossa*
	Arthroleptidae	

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Arthroleptidae	
Arthroleptidae	*Leptodactylodon*
Arthroleptidae	
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Arthroleptidae	
Arthroleptidae	
Arthroleptidae	
Arthroleptidae	
Arthroleptidae	
Arthroleptidae	*Leptopelis*
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Arthroleptidae	
Arthroleptidae	*Nyctibates*
Arthroleptidae	*Scotobleps*
Bufonidae	*Didynamipus*
Bufonidae	
Bufonidae	
Bufonidae	*Nectophryne*
Bufonidae	
Bufonidae	*Nimbaphrynoides*
Bufonidae	*Sclerophrys*
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Bufonidae	
Bufonidae	
Bufonidae	*Werneria*
Bufonidae	
Bufonidae	
Bufonidae	

Bufonidae	
Bufonidae	
Bufonidae	*Wolterstorffina*
Bufonidae	
Bufonidae	
Conrauidae	*Conraua*
Conrauidae	
Conrauidae	
Conrauidae	
Conrauidae	
Hemisotidae	*Hemisus*
Hemisotidae	
Hyperoliidae	*Acanthixalus*
Hyperoliidae	
Hyperoliidae	*Afrixalus*
Hyperoliidae	
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Hyperoliidae	*Alexteroon*
Hyperoliidae	
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Hyperoliidae	*Chrysobatrachus*
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Hyperoliidae	*Kassina*
Hyperoliidae	
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Hyperoliidae	
Hyperoliidae	
Hyperoliidae	*Morerella*
Hyperoliidae	*Opisthothylax*
Hyperoliidae	*Phlyctimantis*
Hyperoliidae	
Odontobatrachidae	*Odontobatrachus*
Odontobatrachidae	
Odontobatrachidae	
Odontobatrachidae	
Odontobatrachidae	
Petropedetidae	*Petropedetes*
Petropedetidae	
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Petropedetidae	
Phrynobatrachidae	*Phrynobatrachus*
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Pipidae	*Hymenochirus*
Pipidae	
Pipidae	
Pipidae	
Pipidae	*Xenopus*
Pipidae	
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Pipidae	
Pipidae	
Pipidae	
Ptychadenidae	*Ptychadena*
Ptychadenidae	
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Ptychadenidae	
Ptychadenidae	
Ptychadenidae	
Pyxicephalidae	*Amietia*
Pyxicephalidae	*Aubria*
Pyxicephalidae	
Pyxicephalidae	
Pyxicephalidae	*Cacosternum*

	Ranidae	*Amnirana*
	Ranidae	
	Ranidae	
	Ranidae	
	Ranidae	
	Ranidae	
Gymnophiona		
	Dermophiidae	*Geotrypetes*
	Dermophiidae	
	Dermophiidae	
	Herpelidae	*Herpele*
	Herpelidae	
	Scolecomorphidae	*Crotaphatrema*
	Scolecomorphidae	
	Scolecomorphidae	
	Scolecomorphidae	*Cryptothylax*
	Indotyphlidae	*Idiocranium*

Scientific Name	IUCN RedList Category
Arthroleptis adelphus	LC
Arthroleptis aureoli	NT
Arthroleptis bioko	EN
Arthroleptis bivittatus	DD
Arthroleptis brevipes	DD
Arthroleptis crusculum	NT
Arthroleptis formosus	DD
Arthroleptis hematogaster	DD
Arthroleptis krokosua	CR
Arthroleptis langeri	EN
Arthroleptis loveridgei	DD
Arthroleptis nimbaensis	DD
Arthroleptis nlonakoensis	EN
Arthroleptis palava	LC
Arthroleptis perreti	EN
Arthroleptis phrynoides	DD
Arthroleptis spinalis	DD
Arthroleptis sylvaticus	LC
Arthroleptis taeniatus	LC
Arthroleptis tuberosus	DD
Arthroleptis variabilis	LC
Arthroleptis zimmeri	DD
Astylosternus batesi	LC
Astylosternus diadematus	LC
Astylosternus fallax	VU
Astylosternus laticephalus	NT
Astylosternus laurenti	EN
Astylosternus montanus	LC
Astylosternus occidentalis	LC
Astylosternus perreti	EN
Astylosternus ranoides	EN
Astylosternus rheophilus	NT
Astylosternus schioetzi	EN
Cardioglossa alsco	EN
Cardioglossa annulata	EN

Cardioglossa congolia	NT
Cardioglossa elegans	LC
Cardioglossa escalerae	LC
Cardioglossa gracilis	LC
Cardioglossa gratiosa	LC
Cardioglossa inornata	DD
Cardioglossa manengouba	CR
Cardioglossa melanogaster	VU
Cardioglossa occidentalis	LC
Cardioglossa oreas	EN
Cardioglossa pulchra	EN
Cardioglossa schioetzi	VU
Cardioglossa trifasciata	DD
Cardioglossa venusta	EN
Leptodactylodon albiventris	EN
Leptodactylodon axillaris	CR
Leptodactylodon bicolor	NT
Leptodactylodon blanci	EN
Leptodactylodon boulengeri	NT
Leptodactylodon bueanus	EN
Leptodactylodon erythrogaster	CR
Leptodactylodon mertensi	EN
Leptodactylodon ornatus	EN
Leptodactylodon ovatus	LC
Leptodactylodon perreti	EN
Leptodactylodon polyacanthus	VU
Leptodactylodon stevarti	EN
Leptodactylodon ventrimarmoratus	VU
Leptodactylodon wildi	CR
Leptopelis anebos	EN
Leptopelis aubryioides	LC
Leptopelis bequaerti	DD
Leptopelis boulengeri	LC
Leptopelis brevirostris	LC
Leptopelis calcaratus	LC
Leptopelis fenestratus	DD
Leptopelis lebeaui	DD

Leptopelis crystallinoron	DD
Leptopelis macrotis	NT
Leptopelis millsoni	LC
Leptopelis modestus	LC
Leptopelis mtoewaate	EN
Leptopelis nordequatorialis	LC
Leptopelis occidentalis	NT
Leptopelis ocellatus	LC
Leptopelis parvus	DD
Leptopelis rufus	LC
Leptopelis spiritusnoctis	LC
Leptopelis zebra	LC
Nyctibates corrugatus	LC
Scotobleps gabonicus	LC
Didynamipus sjostedti	VU
Laurentophryne parkeri	DD
Mertensophryne schmidti	DD
Nectophryne afra	LC
Nectophryne batesii	LC
Nimbaphrynoides occidentalis	CR
Sclerophrys camerunensis	LC
Sclerophrys channingi	LC
Sclerophrys cristiglans	DD
Sclerophrys danielae	DD
Sclerophrys djohongensis	DD
Sclerophrys gracilipes	LC
Sclerophrys latifrons	LC
Sclerophrys perreti	CR
Sclerophrys superciliaris	LC
Sclerophrys taiensis	EN
Sclerophrys togoensis	LC
Sclerophrys tuberosa	LC
Sclerophrys villiersi	VU
Werneria bambutensis	CR
Werneria iboundji	CR
Werneria mertensiana	CR
Werneria preussi	EN

Werneria submontana	EN
Werneria tandyi	CR
Wolterstorffina chirioi	CR
Wolterstorffina mirei	EN
Wolterstorffina parvipalmata	CR
Conraua alleni	LC
Conraua crassipes	LC
Conraua derooi	CR
Conraua goliath	EN
Conraua robusta	VU
Hemisus olivaceus	LC
Hemisus perreti	LC
Acanthixalus sonjae	VU
Acanthixalus spinosus	LC
Afrixalus equatorialis	LC
Afrixalus fulvovittatus	LC
Afrixalus lacteus	EN
Afrixalus leucostictus	LC
Afrixalus lindholmi	DD
Afrixalus nigeriensis	LC
Afrixalus paradorsalis	LC
Afrixalus schneideri	DD
Afrixalus upembae	DD
Afrixalus vibekensis	LC
Alexteroon hypsiphonus	LC
Alexteroon jynx	CR
Alexteroon obstetricans	LC
Arlequinus krebsi	EN
Chrysobatrachus cupreonitens	EN
Hyperolius acuticephalus	DD
Hyperolius acutirostris	LC
Hyperolius ademetzi	EN
Hyperolius atrigularis	DD
Hyperolius baumanni	LC
Hyperolius bobirensis	VU
Hyperolius bolifambae	LC
Hyperolius bopeleti	VU

Hyperolius brachiofasciatus	DD
Hyperolius camerunensis	LC
Hyperolius chlorosteus	LC
Hyperolius chrysogaster	NT
Hyperolius concolor	LC
Hyperolius constellatus	VU
Hyperolius diaphanus	DD
Hyperolius dintelmanni	EN
Hyperolius ferrugineus	DD
Hyperolius fusciventris	LC
Hyperolius ghesquieri	DD
Hyperolius guttulatus	LC
Hyperolius igbettensis	LC
Hyperolius inornatus	DD
Hyperolius jacobseni	DD
Hyperolius kibarae	DD
Hyperolius koehleri	LC
Hyperolius langi	LC
Hyperolius laticeps	DD
Hyperolius laurenti	NT
Hyperolius leleupi	EN
Hyperolius leucotaenius	EN
Hyperolius mosaicus	LC
Hyperolius nienokouensis	EN
Hyperolius nimbae	EN
Hyperolius obscurus	DD
Hyperolius pardalis	LC
Hyperolius phantasticus	LC
Hyperolius picturatus	LC
Hyperolius polystictus	VU
Hyperolius pustulifer	DD
Hyperolius riggenbachi	LC
Hyperolius robustus	DD
Hyperolius sankuruensis	DD
Hyperolius schoutedeni	LC
Hyperolius soror	LC
Hyperolius stenodactylus	DD

Hyperolius sylvaticus	LC
Hyperolius torrentis	VU
Hyperolius tuberculatus	LC
Hyperolius veithi	LC
Hyperolius viridigulosus	NT
Hyperolius xenorhinus	DD
Hyperolius zonatus	LC
Kassina arboricola	VU
Kassina cochranae	LC
Kassina decorata	VU
Kassina lamottei	LC
Kassina mertensi	LC
Kassina maculosa	LC
Kassina schioetzi	LC
Kassina wazae	DD
Morerella cyanophthalma	VU
Opisthothylax immaculatus	LC
Phlyctimantis boulengeri	LC
Phlyctimantis leonardi	LC
Odontobatrachus arndti	NT
Odontobatrachus fouta	EN
Odontobatrachus natator	LC
Odontobatrachus smithi	VU
Odontobatrachus ziama	VU
Petropedetes cameronensis	LC
Petropedetes euskircheni	EN
Petropedetes johnstoni	LC
Petropedetes juliawurstnerae	EN
Petropedetes newtoni	VU
Petropedetes palmipes	VU
Petropedetes parkeri	DD
Petropedetes perreti	CR
Petropedetes vulpiae	LC
Phrynobatrachus africanus	LC
Phrynobatrachus afiabirago	CR
Phrynobatrachus albomarginatus	DD
Phrynobatrachus alleni	LC

Phrynobatrachus annulatus	LC
Phrynobatrachus anotis	DD
Phrynobatrachus asper	VU
Phrynobatrachus batesi	LC
Phrynobatrachus brongersmai	DD
Phrynobatrachus chukuchuku	CR
Phrynobatrachus congicus	DD
Phrynobatrachus cornutus	LC
Phrynobatrachus cricogaster	NT
Phrynobatrachus dalcqi	DD
Phrynobatrachus danko	EN
Phrynobatrachus elberti	DD
Phrynobatrachus fraterculus	LC
Phrynobatrachus gastoni	DD
Phrynobatrachus ghanensis	NT
Phrynobatrachus gutturosus	LC
Phrynobatrachus giorgii	DD
Phrynobatrachus guineensis	LC
Phrynobatrachus hieroglyphicus	DD
Phrynobatrachus horsti	NT
Phrynobatrachus hylaios	LC
Phrynobatrachus intermedius	CR
Phrynobatrachus jimzimkusi	CR
Phrynobatrachus liberiensis	LC
Phrynobatrachus manengoubensis	CR
Phrynobatrachus mayokoensis	DD
Phrynobatrachus nanus	DD
Phrynobatrachus njiomock	CR
Phrynobatrachus ogoensis	DD
Phrynobatrachus parkeri	LC
Phrynobatrachus phyllophilus	LC
Phrynobatrachus pintoi	EN
Phrynobatrachus plicatus	LC
Phrynobatrachus pygmaeus	DD
Phrynobatrachus rainerguentheri	DD
Phrynobatrachus ruthbeateae	DD
Phrynobatrachus sandersoni	LC

Phrynobatrachus scapularis	LC
Phrynobatrachus schioetzi	EN
Phrynobatrachus steindachneri	CR
Phrynobatrachus sternfeldi	DD
Phrynobatrachus taiensis	DD
Phrynobatrachus tokba	LC
Phrynobatrachus villiersi	LC
Phrynobatrachus werneri	LC
Hymenochirus boettgeri	LC
Hymenochirus boulengeri	DD
Hymenochirus curtipes	LC
Hymenochirus feae	DD
Xenopus allofraseri	LC
Xenopus amieti	VU
Xenopus boumbaensis	NT
Xenopus calcaratus	DD
Xenopus eysoole	DD
Xenopus fraseri	DD
Xenopus itombwensis	EN
Xenopus kobeli	DD
Xenopus lenduensis	CR
Xenopus longipes	CR
Xenopus mellotropicalis	LC
Xenopus parafraseri	LC
Ptychadena aequiplicata	LC
Ptychadena ingeri	DD
Ptychadena longirostris	LC
Ptychadena perreti	LC
Ptychadena pujoli	DD
Ptychadena straeleni	LC
Ptychadena submascareniensis	DD
Ptychadena superciliaris	LC
Amietia chapini	LC
Aubria masako	LC
Aubria occidentalis	LC
Aubria subsigillata	LC
Cacosternum leleupi	DD

Amnirana amnicola	LC
Amnirana asperrima	VU
Amnirana fonensis	DD
Amnirana lepus	LC
Amnirana longipes	LC
Amnirana occidentalis	LC
Geotrypetes seraphini	LC
Geotrypetes angeli	DD
Geotrypetes pseudoangeli	DD
Herpele squalostoma	LC
Herpele multiplicata	DD
Crotaphatrema bornmuelleri	DD
Crotaphatrema lamottei	CR
Crotaphatrema tchabalmbaboensis	DD
Cryptothylax minutus	DD
Idiocranium russeli	DD

Geographic Range (Extant/Resident)

Cameroon; Equatorial Guinea (Bioko, Equatorial Guinea (mainland)); Gabon
Guinea; Sierra Leone
Equatorial Guinea (Bioko)
Guinea
Togo
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Guinea
Congo, The Democratic Republic of the
Ghana; Guinea
Guinea; Liberia
Congo, The Democratic Republic of the
Guinea
Cameroon
Cameroon; Nigeria
Cameroon
Congo, The Democratic Republic of the
Congo, The Democratic Republic of the
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Gabon
Cameroon; Central African Republic; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon
Cameroon; Congo; Congo, The Democratic Republic of the
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Ni
Ghana
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon
Cameroon; Nigeria
Cameroon
Côte d'Ivoire; Ghana
Cameroon
Cameroon; Nigeria
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Cameroon
Cameroon
Cameroon
Cameroon
Cameroon
Congo

Congo, The Democratic Republic of the
Cameroon; Equatorial Guinea; Gabon
Cameroon; Central African Republic; Congo, The Democratic Republic of the; Equatorial Guinea
Cameroon; Central African Republic; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Cameroon; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon
Congo, The Democratic Republic of the
Cameroon
Cameroon; Nigeria
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone
Cameroon
Cameroon; Nigeria
Cameroon; Nigeria
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Cameroon; Nigeria
Gabon
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Cameroon; Nigeria
Cameroon
Cameroon; Nigeria
Gabon
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Cameroon
Congo, The Democratic Republic of the
Cameroon; Congo; Gabon; Nigeria
Liberia
Cameroon; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Cameroon; Equatorial Guinea; Gabon; Nigeria
Cameroon; Central African Republic; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Congo, The Democratic Republic of the
Congo, The Democratic Republic of the

Gabon
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Ni
Cameroon; Equatorial Guinea (Bioko); Nigeria
Congo, The Democratic Republic of the
Cameroon; Nigeria
Côte d'Ivoire; Ghana; Liberia
Cameroon; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon
Congo, The Democratic Republic of the
Cameroon; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Benin; Côte d'Ivoire; Ghana; Guinea; Liberia; Nigeria; Sierra Leone; Togo
Cameroon; Gabon
Cameroon; Equatorial Guinea; Nigeria
Cameroon; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Cameroon; Equatorial Guinea (Bioko); Nigeria
Congo, The Democratic Republic of the
Congo, The Democratic Republic of the
Cameroon; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Cameroon; Central African Republic; Congo, The Democratic Republic of the; Gabon
Côte d'Ivoire; Guinea; Liberia
Cameroon; Central African Republic; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Congo, The Democratic Republic of the
Sierra Leone
Côte d'Ivoire
Cameroon
Cameroon; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Cameroon; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon
Nigeria
Cameroon; Congo; Côte d'Ivoire; Equatorial Guinea; Gabon; Ghana; Guinea; Liberia; Nigeria; Sierra Leone
Côte d'Ivoire; Sierra Leone
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone; Togo
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon
Cameroon
Cameroon
Gabon
Cameroon
Cameroon

Cameroon
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Cameroon
Cameroon; Equatorial Guinea (Bioko); Nigeria
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Cameroon; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Ghana; Togo
Cameroon; Equatorial Guinea
Cameroon; Nigeria
Congo, The Democratic Republic of the
Congo; Congo, The Democratic Republic of the; Gabon
Côte d'Ivoire; Ghana
Cameroon; Congo; Congo, The Democratic Republic of the; Gabon; Nigeria
Cameroon; Congo, The Democratic Republic of the
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone
Cameroon
Congo, The Democratic Republic of the
Cameroon
Côte d'Ivoire; Ghana; Guinea; Liberia; Nigeria
Cameroon; Equatorial Guinea; Gabon; Nigeria
Cameroon
Congo, The Democratic Republic of the
Côte d'Ivoire; Ghana
Cameroon; Congo; Gabon
Cameroon
Cameroon; Equatorial Guinea; Gabon
Cameroon
Congo, The Democratic Republic of the
Central African Republic
Cameroon
Cameroon
Congo, The Democratic Republic of the
Ghana; Togo
Ghana
Cameroon; Central African Republic; Nigeria
Cameroon

Central African Republic
Cameroon
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Congo, The Democratic Republic of the
Benin; Cameroon; Côte d'Ivoire; Ghana; Guinea; Liberia; Nigeria; Sierra Leone; Togo
Congo, The Democratic Republic of the
Congo, The Democratic Republic of the
Cameroon
Congo, The Democratic Republic of the
Benin; Cameroon; Côte d'Ivoire; Ghana; Guinea; Liberia; Nigeria; Sierra Leone; Togo
Congo, The Democratic Republic of the
Cameroon; Côte d'Ivoire; Gabon; Ghana; Guinea; Liberia; Nigeria; Sierra Leone; Togo
Cameroon; Côte d'Ivoire; Ghana; Guinea; Liberia; Nigeria; Sierra Leone
Congo, The Democratic Republic of the
Central African Republic
Congo, The Democratic Republic of the
Cameroon; Gabon; Nigeria
Congo, The Democratic Republic of the
Togo
Côte d'Ivoire; Ghana
Congo, The Democratic Republic of the
Congo, The Democratic Republic of the
Cameroon; Gabon
Côte d'Ivoire
Côte d'Ivoire
Congo, The Democratic Republic of the
Cameroon; Central African Republic; Congo; Equatorial Guinea; Gabon
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Gabon
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone
Congo, The Democratic Republic of the
Congo, The Democratic Republic of the
Cameroon; Nigeria
Congo, The Democratic Republic of the
Congo, The Democratic Republic of the
Congo, The Democratic Republic of the
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Cameroon

Cameroon; Côte d'Ivoire; Ghana; Nigeria; Togo
Benin; Ghana; Togo
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Equatorial Guinea (Equatorial
Congo, The Democratic Republic of the
Côte d'Ivoire; Ghana
Congo, The Democratic Republic of the
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Côte d'Ivoire; Ghana
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Cameroon
Côte d'Ivoire; Guinea; Liberia
Congo, The Democratic Republic of the
Cameroon; Central African Republic; Congo, The Democratic Republic of the
Côte d'Ivoire; Guinea
Cameroon
Côte d'Ivoire
Cameroon; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Cameroon; Côte d'Ivoire; Equatorial Guinea; Ghana; Guinea; Liberia; Nigeria
Cameroon; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon
Côte d'Ivoire; Guinea; Liberia
Guinea
Guinea; Liberia; Sierra Leone
Guinea
Guinea
Cameroon; Equatorial Guinea (Bioko); Nigeria
Cameroon
Cameroon
Cameroon
Cameroon; Equatorial Guinea (Bioko); Gabon
Cameroon; Equatorial Guinea; Gabon
Cameroon; Nigeria
Cameroon
Cameroon; Congo, The Democratic Republic of the; Equatorial Guinea (Equatorial Guinea (mainland)); Gabon; Nige
Cameroon; Central African Republic; Congo; Equatorial Guinea; Gabon
Ghana
Congo, The Democratic Republic of the
Côte d'Ivoire; Ghana; Guinea; Liberia; Nigeria; Sierra Leone

Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone
Congo, The Democratic Republic of the
Congo, The Democratic Republic of the
Cameroon; Gabon; Ghana; Nigeria
Liberia
Cameroon
Congo, The Democratic Republic of the
Cameroon; Central African Republic; Congo; Equatorial Guinea (Bioko); Gabon
Cameroon; Nigeria
Congo, The Democratic Republic of the
Nigeria
Central African Republic
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Congo, The Democratic Republic of the
Côte d'Ivoire; Ghana
Benin; Congo, The Democratic Republic of the; Côte d'Ivoire; Ghana; Liberia; Nigeria; Togo
Congo, The Democratic Republic of the
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Liberia
Congo; Gabon
Cameroon; Congo
Ghana
Cameroon; Nigeria
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone
Cameroon
Congo
Central African Republic
Cameroon
Gabon; Liberia
Congo, The Democratic Republic of the
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone
Guinea
Côte d'Ivoire; Ghana; Guinea; Liberia; Nigeria; Togo
Central African Republic
Nigeria
Cameroon
Cameroon; Equatorial Guinea

Congo, The Democratic Republic of the
Cameroon; Nigeria
Cameroon; Nigeria
Central African Republic
Côte d'Ivoire
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone
Côte d'Ivoire; Ghana; Liberia
Cameroon; Nigeria
Cameroon; Central African Republic; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Nigeria
Congo, The Democratic Republic of the
Congo; Congo, The Democratic Republic of the
Gabon
Cameroon; Congo, The Democratic Republic of the; Equatorial Guinea (Bioko)
Cameroon
Cameroon; Central African Republic; Congo
Cameroon; Equatorial Guinea (Bioko)
Cameroon
Benin; Ghana; Togo
Congo, The Democratic Republic of the
Cameroon
Congo, The Democratic Republic of the
Cameroon
Cameroon; Congo; Congo, The Democratic Republic of the; Gabon
Cameroon; Congo; Gabon
Benin; Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Côte d'Ivoire; Equatori
Congo, The Democratic Republic of the
Côte d'Ivoire; Ghana; Guinea; Liberia; Nigeria; Sierra Leone
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Gabon
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Cameroon; Central African Republic; Congo, The Democratic Republic of the
Côte d'Ivoire; Guinea; Liberia; Sierra Leone
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone
Congo, The Democratic Republic of the
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Gabon
Cameroon; Côte d'Ivoire; Ghana; Guinea; Liberia; Nigeria
Cameroon; Equatorial Guinea; Gabon
Congo, The Democratic Republic of the

Cameroon; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon
Cameroon; Nigeria
Guinea
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon
Cameroon
Côte d'Ivoire; Ghana; Guinea; Liberia; Sierra Leone

Cameroon; Congo, The Democratic Republic of the; Côte d'Ivoire; Equatorial Guinea (Equatorial Guinea (mainland),
Guinea; Sierra Leone
Guinea; Liberia
Cameroon; Central African Republic; Congo; Congo, The Democratic Republic of the; Equatorial Guinea; Gabon; Ni
Cameroon
Cameroon
Cameroon
Cameroon
Congo, The Democratic Republic of the
Cameroon

ıd), Bioko); Gabon; Nigeria

torial Guinea (mainland), Bioko); Gabon; Ghana; Guinea; Liberia; Nigeria; Togo

Ghana; Guinea; Liberia; Nigeria; Sierra Leone

Order	Family	Genus	Scientific Name
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus spinosus*
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus spinosus*
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus spinosus*
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus spinosus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus vibekensis*
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus vibekensis*
Anura	Hyperoliidae	*Alexteroon*	*Alexteroon jynx*
Anura	Hyperoliidae	*Alexteroon*	*Alexteroon jynx*
Anura	Hyperoliidae	*Alexteroon*	*Alexteroon jynx*
Anura	Hyperoliidae	*Alexteroon*	*Alexteroon jynx*
Anura	Hyperoliidae	*Alexteroon*	*Alexteroon jynx*
Anura	Hyperoliidae	*Alexteroon*	*Alexteroon obstetricans*
Anura	Hyperoliidae	*Alexteroon*	*Alexteroon obstetricans*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*

Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*

Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*
Anura	Ranidae	*Amnirana*	*Amnirana fonensis*
Anura	Ranidae	*Amnirana*	*Amnirana fonensis*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*

Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
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Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
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Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*

Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana lepus*
Anura	Ranidae	*Amnirana*	*Amnirana longipes*
Anura	Ranidae	*Amnirana*	*Amnirana occidentalis*
Anura	Ranidae	*Amnirana*	*Amnirana occidentalis*
Anura	Ranidae	*Amnirana*	*Amnirana occidentalis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis aureoli*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis aureoli*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis aureoli*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*
	Arthroleptidae	*Arthroleptis*	Arthroleptis krokosua
	Arthroleptidae	*Arthroleptis*	Arthroleptis nlonakoensis
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*
	Arthroleptidae	*Arthroleptis*	Arthroleptis spinalis
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
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Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniata*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*

Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*

Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus fallax*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus fallax*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus fallax*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus fallax*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus fallax*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus fallax*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laurenti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*

Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus montanus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*

Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*

Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*
Anura	Pyxicephalidae	*Aubria*	*Aubria occidentalis*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*

Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*
	Arthroleptidae	*Cardioglossa*	Cardioglossa alsco
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa annulata*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa annulata*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa congolia*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa congolia*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa escalerae*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa escalerae*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*

Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*

Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*

Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa schioetzi*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa schioetzi*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa schioetzi*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa schioetzi*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa schioetzi*
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa schioetzi*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Hyperoliidae	*Chrysobatrachus*	*Chrysobatrachus cupreonitens*
Anura	Conrauidae	*Conraua*	*Conraua alleni*
Anura	Conrauidae	*Conraua*	*Conraua alleni*
Anura	Conrauidae	*Conraua*	*Conraua alleni*
Anura	Conrauidae	*Conraua*	*Conraua alleni*
Anura	Conrauidae	*Conraua*	*Conraua alleni*
Anura	Conrauidae	*Conraua*	*Conraua alleni*
Anura	Conrauidae	*Conraua*	*Conraua alleni*
Anura	Conrauidae	*Conraua*	*Conraua alleni*

Anura	Conrauidae	*Conraua*	*Conraua alleni*
Anura	Conrauidae	*Conraua*	*Conraua alleni*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*

Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua crassipes*
Anura	Conrauidae	*Conraua*	*Conraua derooi*
Anura	Conrauidae	*Conraua*	*Conraua derooi*
Anura	Conrauidae	*Conraua*	*Conraua derooi*
Anura	Conrauidae	*Conraua*	*Conraua derooi*
Anura	Conrauidae	*Conraua*	*Conraua derooi*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*

Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua goliath*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Conrauidae	*Conraua*	*Conraua robusta*
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*

Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*

Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*
Anura	Hemisotidae	*Hemisus*	*Hemisus olivaceus*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*

Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
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Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
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Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*

Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
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Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
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Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
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Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boulengeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boulengeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boulengeri*

Anura	Pipidae	*Hymenochirus*	*Hymenochirus boulengeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boulengeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boulengeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boulengeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boulengeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boulengeri*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
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Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*

Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius acutirostris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius acutirostris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius acutirostris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bobirensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bopeleti*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*

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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*

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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius dintelmanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius dintelmanni*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius dintelmanni*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius dintelmanni*

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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius dintelmanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius dintelmanni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ferrugineus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*
	Hyperoliidae	*Hyperolius*	Hyperolius jacobseni
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius koehleri*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius koehleri*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius koehleri*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius langi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius langi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius langi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius langi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius leucotaenius*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius leucotaenius*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius leucotaenius*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius leucotaenius*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius leucotaenius*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius leucotaenius*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius nienokouensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius nienokouensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius nienokouensis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius robustus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius robustus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius robustus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius robustus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius robustus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius robustus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius robustus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius schoutedeni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius schoutedeni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius schoutedeni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius schoutedeni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius schoutedeni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius schoutedeni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius schoutedeni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius schoutedeni*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
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Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius viridigulosus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius viridigulosus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius zonatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius zonatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius zonatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius zonatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius zonatus*
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius zonatus*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*

Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*
Anura	Hyperoliidae	*Kassina*	*Kassina cochranae*
Anura	Hyperoliidae	*Kassina*	*Kassina cochranae*
Anura	Hyperoliidae	*Kassina*	*Kassina cochranae*
Anura	Hyperoliidae	*Kassina*	*Kassina decorata*
Anura	Hyperoliidae	*Kassina*	*Kassina decorata*
Anura	Hyperoliidae	*Kassina*	*Kassina decorata*
Anura	Hyperoliidae	*Kassina*	*Kassina decorata*
Anura	Hyperoliidae	*Kassina*	*Kassina lamottei*
Anura	Hyperoliidae	*Kassina*	*Kassina lamottei*
Anura	Hyperoliidae	*Kassina*	*Kassina lamottei*
Anura	Hyperoliidae	*Kassina*	*Kassina lamottei*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*
Anura	Hyperoliidae	*Kassina*	*Kassina schioetzi*
Anura	Hyperoliidae	*Kassina*	*Kassina schioetzi*

Anura	Hyperoliidae	*Kassina*	*Kassina schioetzi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon albiventris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon albiventris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon albiventris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon albiventris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon albiventris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon axillaris*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon bicolor*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon boulengeri*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon boulengeri*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon erythrogaster*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon erythrogaster*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon erythrogaster*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon erythrogaster*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon erythrogaster*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon erythrogaster*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*

Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon mertensi*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon ornatus*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon ornatus*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon ovatus*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon ovatus*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon ovatus*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*

Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon perreti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon stevarti*
Anura	Arthroleptidae	*Leptodactylodon*	*Leptodactylodon stevarti*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis anebos*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis anebos*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis anebos*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis anebos*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis anebos*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis crystallinoron*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis crystallinoron*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis crystallinoron*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis crystallinoron*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis macrotis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis nordequatorialis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis nordequatorialis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis nordequatorialis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis nordequatorialis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis nordequatorialis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis nordequatorialis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis nordequatorialis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis zebra*
Anura	Hyperoliidae	*Morerella*	*Morerella cyanophthalma*
Anura	Hyperoliidae	*Morerella*	*Morerella cyanophthalma*
Anura	Hyperoliidae	*Morerella*	*Morerella cyanophthalma*
Anura	Hyperoliidae	*Morerella*	*Morerella cyanophthalma*
Anura	Hyperoliidae	*Morerella*	*Morerella cyanophthalma*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*

Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*

Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*
Anura	Bufonidae	*Nimbaphrynoides*	*Nimbaphrynoides occidentalis*
Anura	Bufonidae	*Nimbaphrynoides*	*Nimbaphrynoides occidentalis*
Anura	Bufonidae	*Nimbaphrynoides*	*Nimbaphrynoides occidentalis*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*

Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus natator*
Anura	Odontobatrachidae	*Odontobatrachus*	*Odontobatrachus smithi*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*

Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes euskircheni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes euskircheni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes euskircheni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes euskircheni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes johnstoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes johnstoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes johnstoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes juliawurstnerae*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes juliawurstnerae*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes juliawurstnerae*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes juliawurstnerae*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes newtoni*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*

Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes vulpiae*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes vulpiae*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes vulpiae*
Anura	Petropedetidae	*Petropedetes*	*Petropedetes vulpiae*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*

Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis boulengeri*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*

Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*

Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus afiabirago*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus afiabirago*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus afiabirago*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus africanus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus alleni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus annulatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus annulatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus annulatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus annulatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus annulatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus asper*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus batesi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus batesii*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus batesii*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus batesii*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus batesii*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus batesii*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus batesii*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus batesii*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus batesii*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus chukuchuku*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus chukuchuku*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus chukuchuku*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus chukuchuku*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus chukuchuku*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus chukuchuku*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus chukuchuku*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus chukuchuku*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus chukuchuku*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cornutus*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus cricogaster*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus danko*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus danko*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus danko*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus danko*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus danko*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus fraterculus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ghanensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ghanensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ghanensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ghanensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ghanensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus guineensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus guineensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus guineensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus guineensis*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus gutturosus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus gutturosus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus gutturosus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus gutturosus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus gutturosus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus gutturosus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus gutturosus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus horsti*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus horsti*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus horsti*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus horsti*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus horsti*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus horsti*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus hylaios*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus intermedius*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus jimzimkusi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus liberiensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus manengoubensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus mayokoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus njiomock*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus njiomock*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus njiomock*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus njiomock*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus njiomock*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus njiomock*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus njiomock*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ogoensis*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus phyllophilus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus plicatus*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus rainerguentheri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus rainerguentheri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus rainerguentheri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus ruthbeateae*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus sandersoni*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus schioetzi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus schioetzi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus schioetzi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus schioetzi*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus steindachneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
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Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*

Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus tokba*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus villiersi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus villiersi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus villiersi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus villiersi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus villiersi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus villiersi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus villiersi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus villiersi*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Phrynobatrachidae	*Phrynobatrachus*	*Phrynobatrachus werneri*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*

Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*

Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*

Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena ingeri*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*

Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*

Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
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Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena superciliaris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena superciliaris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena superciliaris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena superciliaris*
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*
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Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*

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Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*
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Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*

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Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*

Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys taiensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys taiensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*

Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys villiersi*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys villiersi*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys villiersi*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys villiersi*
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys villiersi*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*

Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*

Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*

Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*

Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*
Anura	Bufonidae	*Werneria*	*Werneria bambutensis*
Anura	Bufonidae	*Werneria*	*Werneria bambutensis*
Anura	Bufonidae	*Werneria*	*Werneria bambutensis*
Anura	Bufonidae	*Werneria*	*Werneria bambutensis*
Anura	Bufonidae	*Werneria*	*Werneria iboundji*
Anura	Bufonidae	*Werneria*	*Werneria mertensiana*
Anura	Bufonidae	*Werneria*	*Werneria mertensiana*
Anura	Bufonidae	*Werneria*	*Werneria mertensiana*
Anura	Bufonidae	*Werneria*	*Werneria mertensiana*
Anura	Bufonidae	*Werneria*	*Werneria mertensiana*
Anura	Bufonidae	*Werneria*	*Werneria mertensiana*
Anura	Bufonidae	*Werneria*	*Werneria mertensiana*
Anura	Bufonidae	*Werneria*	*Werneria mertensiana*
Anura	Bufonidae	*Werneria*	*Werneria preussi*
Anura	Bufonidae	*Werneria*	*Werneria preussi*
Anura	Bufonidae	*Werneria*	*Werneria preussi*
Anura	Bufonidae	*Werneria*	Werneria submontana
Anura	Bufonidae	*Werneria*	*Werneria tandyi*
Anura	Bufonidae	*Werneria*	*Werneria tandyi*
Anura	Bufonidae	*Werneria*	*Werneria tandyi*
Anura	Bufonidae	*Werneria*	*Werneria tandyi*
Anura	Bufonidae	*Werneria*	*Werneria tandyi*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina chirioi*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina chirioi*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*

Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmata*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*

Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*

Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*

Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*
Anura	Pipidae	*Xenopus*	*Xenopus amieti*
Anura	Pipidae	*Xenopus*	*Xenopus amieti*
Anura	Pipidae	*Xenopus*	*Xenopus amieti*
Anura	Pipidae	*Xenopus*	*Xenopus amieti*
Anura	Pipidae	*Xenopus*	*Xenopus amieti*
Anura	Pipidae	*Xenopus*	*Xenopus amieti*
Anura	Pipidae	*Xenopus*	*Xenopus amieti*
Anura	Pipidae	*Xenopus*	*Xenopus amieti*
Anura	Pipidae	*Xenopus*	*Xenopus boumbaensis*
Anura	Pipidae	*Xenopus*	*Xenopus boumbaensis*
Anura	Pipidae	*Xenopus*	*Xenopus boumbaensis*
Anura	Pipidae	*Xenopus*	*Xenopus boumbaensis*
Anura	Pipidae	*Xenopus*	*Xenopus boumbaensis*
Anura	Pipidae	*Xenopus*	*Xenopus boumbaensis*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*

Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*
Anura	Pipidae	*Xenopus*	*Xenopus eysoole*
Anura	Pipidae	*Xenopus*	*Xenopus eysoole*
Anura	Pipidae	*Xenopus*	*Xenopus eysoole*
Anura	Pipidae	*Xenopus*	*Xenopus eysoole*
Anura	Pipidae	*Xenopus*	*Xenopus eysoole*
Anura	Pipidae	*Xenopus*	*Xenopus eysoole*
Anura	Pipidae	*Xenopus*	*Xenopus eysoole*
Anura	Pipidae	*Xenopus*	*Xenopus eysoole*
Anura	Pipidae	*Xenopus*	*Xenopus eysoole*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*

Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*

Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*

Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*

Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
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Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*
Anura	Pipidae	*Xenopus*	*Xenopus longipes*
Anura	Pipidae	*Xenopus*	*Xenopus longipes*
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Anura	Pipidae	*Xenopus*	*Xenopus longipes*
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*
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Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*

Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
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Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
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Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*

Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
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Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*

year of collection	Country	stateProvince	county
2000	Côte d'Ivoire		
2000	Côte d'Ivoire		
2000	Côte d'Ivoire		
2003	Ghana		
2002	Côte d'Ivoire		
2002	Côte d'Ivoire		
2016	Democratic Republic of the Congo	Bandundu	
2002	Cameroon	South West Region	
2002	Cameroon	South West Region	
2003	Cameroon	South West Region	
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2004	Democratic Republic of the Congo		
2014	Democratic Republic of the Congo	Ituri	
2014	Democratic Republic of the Congo	Ituri	
2016	Democratic Republic of the Congo	Tshopo	
2004	Democratic Republic of the Congo		
2004	Democratic Republic of the Congo		
2004	Democratic Republic of the Congo		
2004	Democratic Republic of the Congo		
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2020	Cameroon	Adamaoua	
2019	Republic of Congo	Sangha	
2009	Gabon		
2009	Gabon		
2009	Gabon		
2019	Cameroon	Centre	

2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2011	Liberia		
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2008	Republic of Congo	Pool	Ignie
2016	Ghana		
2016	Ghana		
2004	Ghana	Greater Accra Region	
2004	Ghana	Volta Region	
2004	Ghana	Volta Region	
2004	Ghana	Greater Accra Region	
2004	Ghana	Western Region	
2004	Ghana	Volta Region	
2004	Ghana	Volta Region	
2004	Ghana	Volta Region	
2004	Ghana	Volta Region	
2004	Ghana	Volta Region	

2004	Ghana	Volta Region
2004	Ghana	Volta Region
1999	Cameroon	Sud Province
1999	Cameroon	Nord-Ouest Province
1999	Cameroon	Sud Province
1999	Cameroon	Sud Province
1999	Cameroon	Nord-Ouest Province
2014	Cameroon	Nord-Ouest Region
2014	Cameroon	Nord-Ouest Region
2014	Cameroon	Nord-Ouest Region
2014	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
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2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Centre Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Centre Region
2013	Cameroon	Centre Region
2013	Cameroon	Centre Region

2013	Cameroon	Centre Region
2013	Cameroon	Centre Region
2013	Cameroon	Centre Region
2013	Cameroon	Centre Region
2013	Cameroon	Centre Region
2011	Cameroon	
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2011	Cameroon	
2011	Cameroon	
2002	Guinea	
2002	Guinea	
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2002	Guinea	
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2002	Guinea	
2002	Guinea	
2002	Guinea	
2002	Guinea	
2002	Guinea	
2011	Cameroon	Nord-Ouest Region
2011	Cameroon	Nord-Ouest Region
2011	Cameroon	Nord-Ouest Region
2011	Cameroon	Nord-Ouest Region
2011	Cameroon	Ouest Region
2011	Cameroon	Ouest Region
2011	Cameroon	Ouest Region
2011	Cameroon	Ouest Region
2011	Cameroon	Ouest Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Nord-Ouest Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region

1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2005	Democratic Republic of the Congo	
2005	Democratic Republic of the Congo	
2005	Democratic Republic of the Congo	
2005	Democratic Republic of the Congo	
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2005	Democratic Republic of the Congo	
1981	Cameroon	
2006	Central African Republic	
2006	Central African Republic	
2006	Central African Republic	
2002	Guinea	
2002	Guinea	
2016	Cameroon	Ouest Region
2016	Cameroon	Ouest Region
2016	Cameroon	Ouest Region

1997	Republic of Congo		
2014	Democratic Republic of the Congo	Ituri	
2014	Democratic Republic of the Congo	Ituri	
2014	Democratic Republic of the Congo	Ituri	
2006	Democratic Republic of the Congo		
2006	Democratic Republic of the Congo		
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
1981	Cameroon	Sud Region	
2018	Cameroon	Littoral Region	Moungo Div
2002	Cameroon	South-West Province	
2003	Cameroon	Littoral Region	
2002	Cameroon	South-West Province	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Sud-Ouest Region	
2006	Cameroon		
2006	Cameroon		
2010	Côte d'Ivoire	Montagnes	
2019	Côte d'Ivoire	Abidjan	
2012	Côte d'Ivoire	Montagnes	
2016	Ghana		
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2011	Ghana		
2005	Liberia		
2005	Liberia		
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2005	Liberia		
2003	Ghana		
2002	Côte d'Ivoire		
2002	Côte d'Ivoire		
2012	Republic of Congo	Niari	
2010	Gabon		
2009	Gabon		
2009	Gabon		
2009	Gabon		
2009	Gabon		
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
1998	Equatorial Guinea		
1998	Equatorial Guinea		
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1998	Equatorial Guinea		
1998	Equatorial Guinea		
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Centre	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2017	Cameroon	Littoral Region	Koupe-Mane

2017	Cameroon	Littoral Region	Koupe-Mane
2017	Cameroon	Littoral Region	Koupe-Mane
2017	Cameroon	Littoral Region	Koupe-Mane
2017	Cameroon	Littoral Region	Koupe-Mane
2017	Cameroon	Littoral Region	Koupe-Mane
2017	Cameroon	Littoral Region	Koupe-Mane
2017	Cameroon	Littoral Region	Koupe-Mane
2017	Cameroon	Littoral Region	Koupe-Mane
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Estuaire	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Estuaire	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Centre Region	
2004	Cameroon	Littoral Region	
2003	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2004	Cameroon	Littoral Region	
2004	Cameroon	Littoral Region	
2004	Cameroon	Littoral Region	
2015	Gabon	OgoouÃ©-Lolo	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	

1999	Cameroon	Ouest Province
1999	Cameroon	Ouest Province
1999	Cameroon	Ouest Province
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2011	Cameroon	Nord-Ouest Region
2011	Cameroon	Centre Region
2011	Cameroon	Littoral Region
2011	Cameroon	Littoral Region
2011	Cameroon	Sud-Ouest Region
2011	Cameroon	Sud-Ouest Region
2011	Cameroon	Sud-Ouest Region
2011	Cameroon	Sud-Ouest Region

2011	Cameroon	Sud-Ouest Region
2011	Cameroon	Sud-Ouest Region
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.

1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
2006	Cameroon		
2005	Cameroon		
2006	Cameroon		
2006	Cameroon		
2011	Cameroon		
2011	Cameroon		
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2004	Cameroon	Littoral	
2009	Gabon	OgoouÃ©-Ivindo	
2002	Côte d'Ivoire		
1980	Côte d'Ivoire	Montagnes	
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2012	Gabon	Nyanga	Basse-Banio
2003	Equatorial Guinea	Provincia Wele-Nzas	
2010	Democratic Republic of the Congo	Katanga	
2010	Democratic Republic of the Congo	Katanga	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2014	Democratic Republic of the Congo	Tshopo	
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2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Cameroon	Littoral	
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2015	Gabon	OgoouÃ©-Lolo	
2009	Democratic Republic of the Congo	Nord Kivu	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	OgoouÃ©-Ivindo	

2013	Gabon	OgoouÃ©-Ivindo	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2011	Gabon	Haut-OgoouÃ©	
2004	Democratic Republic of the Congo		
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2013	Cameroon	Sud Region	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2015	Cameroon	Southwest Region	Ndian Divisi
1999	Cameroon	Ouest Province	
2016	Nigeria	Cross River	
2016	Nigeria	Cross River	
2016	Nigeria	Cross River	
2002	Guinea		
2002	Guinea		
2013	Republic of Congo	Niari	
2010	Republic of Congo		
2010	Republic of Congo		
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2010	Republic of Congo		
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2015	Gabon	NgouniÃ©	
2015	Gabon	Haut-OgoouÃ©	
2002	Equatorial Guinea	Centro Sur	
2013	Gabon	OgoouÃ©-Ivindo	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2010	Republic of Congo	Lekoumou	
2002	Cameroon	Centre	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2002	Cameroon		

2002	Cameroon	South Region	
2002	Cameroon	South Region	
2002	Cameroon	South Region	
2010	Republic of Congo	Lekoumou	
2002	Cameroon		
2002	Cameroon	South Region	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Est Region	
2011	Cameroon	Centre Region	
2011	Cameroon	Centre Region	
2011	Cameroon	Centre Region	
1981	Cameroon	Sud Region	
1981	Cameroon	Sud Region	
1981	Cameroon	Sud Region	
1980	Cameroon	Sud-Ouest Region	
2013	Cameroon	Ouest Region	
2005	Liberia		
2003	Ghana		
2002	Côte d'Ivoire		
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2010	Republic of Congo	Lekoumou	

2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2010	Republic of Congo		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2010	Republic of Congo		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2002	Cameroon	South Region	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2015	Cameroon	Southwest Region	Ndian Divisi
2003	Equatorial Guinea	Provincia Wele-Nzas	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	

2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Lolo
2013	Gabon	OgoouÃ©-Ivindo
1984	Cameroon	Littoral
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
2009	Gabon	OgoouÃ©-Ivindo
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Littoral
2004	Cameroon	Littoral
2002	Gabon	
2002	Gabon	
1994	Cameroon	Est Region
2004	Sierra Leone	Western Area Prov.
2004	Sierra Leone	Western Area
2004	Sierra Leone	Western Area
1998	Equatorial Guinea	
1998	Equatorial Guinea	
1998	Equatorial Guinea	
1998	Equatorial Guinea	
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
2005	Ghana	Volta Region

2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
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2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2005		Ghana	Volta Region	
2004		Ghana	Volta Region	
2004		Ghana	Volta Region	
2004		Ghana	Volta Region	
2004		Ghana	Volta Region	
2004		Ghana	Volta Region	
2004		Ghana	Volta Region	
2004		Ghana	Volta Region	
2004		Ghana	Volta Region	
	2008	Ghana		
	2006	Cameroon		
2009		Nigeria	Taraba	
2006		Cameroon	Northwest	
2009		Nigeria	Taraba	
2016		Nigeria	Cross River	
2016		Nigeria	Cross River	
2016		Nigeria	Cross River	
2016		Nigeria	Cross River	
2013		Gabon	Nyanga	Basse-Banio
2013		Gabon	Nyanga	Basse-Banio
2013		Gabon	Nyanga	Basse-Banio
2013		Gabon		
2013		Gabon		
2017		Cameroon	Southwest Region	Koupe-Mane
2017		Cameroon	Southwest Region	Koupe-Mane
2003		Cameroon	Littoral Region	

2003	Cameroon	Littoral Region	
2003	Cameroon	Littoral Region	
2013	Gabon	Nyanga	Basse-Banio
2015	Cameroon	Southwest Region	Ndian Divisi
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2018	DRC		
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2006	Republic of Congo	Likouala	
2006	Republic of Congo	Likouala	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2010	Republic of Congo	Lekoumou	
2006	Republic of Congo	Likouala	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2018	Cameroon	Est	
1998	Equatorial Guinea		
2013	Gabon		
2010	Republic of Congo		
2006	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2013	Gabon		

2013	Gabon		
2010	Republic of Congo		
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2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2006	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	

2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2010	Republic of Congo	Lekoumou	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Gabon	Haut-OgoouÃ©	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
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1994	Cameroon	Est Region	
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1994	Cameroon	Est Region
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1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
2006	Central African Republic	
2019	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	Haut-OgoouÃ©
2013	Gabon	Haut-OgoouÃ©
2013	Gabon	Haut-OgoouÃ©
2013	Gabon	Haut-OgoouÃ©
2013	Gabon	Haut-OgoouÃ©
2013	Gabon	Haut-OgoouÃ©
2013	Gabon	Haut-OgoouÃ©
2013	Gabon	Haut-OgoouÃ©

2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	OgoouÃ©-Ivindo	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2011	Gabon	Haut-OgoouÃ©	
2011	Gabon	Haut-OgoouÃ©	
2011	Gabon	Haut-OgoouÃ©	
2011	Gabon	Haut-OgoouÃ©	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Nigeria	Taraba	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
1984	Cameroon	Sud-Ouest	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2012	Republic of Congo	Niari	
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2018	Cameroon	Southwest Region	Fako Divisic
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Southwest Region	Fako Divisic
2018	Cameroon	Southwest Region	Fako Divisic
2018	Cameroon	Littoral Region	Moungo Div

2018	Cameroon	Littoral Region	Moungo Div
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2003	Equatorial Guinea	Provincia Wele-Nzas	
2013	Cameroon	Est Region	
2013	Gabon	OgoouÃ©-Ivindo	
2013	Gabon	OgoouÃ©-Ivindo	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
2010	Republic of Congo	Lekoumou	
1991	Cameroon	Sud-Ouest	
2015	Republic of Congo	Sangha	
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
2018	Cameroon	Southwest Region	Fako Divisi
2007	Equatorial Guinea	Bioko Norte	
2002	Cameroon	Littoral Region	
2010	Republic of Congo	Lekoumou	
2002	Cameroon	Littoral Region	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2014	Cameroon	Nord-Ouest	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	

2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
1998	Equatorial Guinea	Bioko Norte Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
2003	Ghana	Brong-Ahafo
2003	Ghana	Brong-Ahafo
2003	Ghana	Brong-Ahafo
2015	Democratic Republic of the Congo	Tshopo

2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2013	Gabon	OgoouÃ©-Lolo
2013	Gabon	OgoouÃ©-Lolo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2005	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
1984	Cameroon	Sud-Ouest
1983	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2006	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest

2016	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Ituri	
2002	Nigeria	Cross River	
2006	Nigeria	Cross River	
2002	Nigeria	Cross River	
2002	Nigeria	Cross River	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2019	Republic of Congo	Sangha	
2013	Republic of Congo	Niari	
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	

2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	OgoouÃ©-Lolo	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2016	Gabon	Estuaire	
2015	Gabon	Haut-OgoouÃ©	
2015	Gabon	Haut-OgoouÃ©	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	Haut-OgoouÃ©	
2006	Cameroon		
2005	Cameroon		
2006	Cameroon		
2009	Gabon	OgoouÃ©-Ivindo	
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2002	Cameroon	South-West Province	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	

2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2008	Ghana	Western	
2016	Ghana		
2016	Ghana		
2016	Ghana		
2016	Ghana		
2016	Ghana		
2016	Ghana		
2016	Ghana		
2016	Ghana		
2004	Côte d'Ivoire		
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	

2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Sud-Ouest Region	
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2005	Guinea		
2010	Liberia	Gbapolu	
2010	Liberia	Sinoe	
2011	Liberia		
2011	Liberia		
2011	Liberia		
1988	Liberia	Sinoe	
1988	Liberia	Sinoe	
2011	Ghana		
2011	Ghana		
2014	Benin	Atlantique	
2014	Benin	Zou	
2014	Benin	Atacora	
2012	Liberia		
2012	Liberia		
2012	Liberia		
2012	Liberia		
2012	Liberia		
2012	Liberia		
2012	Liberia		
2012	Liberia		
2012	Liberia		
2005	Liberia		
2005	Liberia		
2002	Guinea		
2002	Côte d'Ivoire		
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	

2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2002	Cameroon	Littoral Region	
2002	Cameroon	South-West Province	
2006	Cameroon		
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral	
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2006	Cameroon		
2006	Cameroon		
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2006	Cameroon	West	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	

2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo		
2005	Republic of Congo		
2005	Republic of Congo		
2005	Republic of Congo		
2005	Republic of Congo		
2005	Republic of Congo		
2013	Democratic Republic of the Congo	Equateur	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2015	Gabon	Haut-Ogooue Prov.	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	
1997	Republic of Congo		
2003	Ghana		
2003	Benin	Borgou	
2017	Benin	OuÃ©mÃ©	
2017	Benin	OuÃ©mÃ©	
2018	Côte d'Ivoire	Abidjan	
2015	Cameroon	Southwest Region	Ndian Divisi
2016	Ghana		
2016	Ghana		
2016	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		

2011	Ghana		
2011	Ghana		
2011	Ghana		
2013	Gabon	Moyen-Ogooue Prov.	
2013	Gabon	Moyen-Ogooue Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
2004	Cameroon		
2012	Republic of Congo	Niari	
2013	Republic of Congo	Niari	
2013	Democratic Republic of the Congo	Bandundu	
2013	Democratic Republic of the Congo	Bandundu	
2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
2012	Cameroon	Sud	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2013	Republic of Congo	Niari	
1983	Cameroon		
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2013	Republic of Congo	Niari	
2015	Cameroon	Littoral	
2010	Republic of Congo		
2010	Republic of Congo		
2018	Cameroon		
2018	Cameroon		
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2017	Gabon	Ogooue-Lolo	
2002	Cameroon	Littoral Region	

2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
1988	Cameroon	South West Region	Ndian
2010	Republic of Congo	Lekoumou	
2002	Cameroon	Littoral Region	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Gabon	Haut-OgoouÃ©	
2015	Gabon	Haut-OgoouÃ©	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
1999	Cameroon	Ouest Province	
2013	Cameroon	Ouest Region	
2013	Cameroon	Ouest Region	
2013	Cameroon	Ouest Region	
2013	Cameroon	Ouest Region	
2013	Cameroon	Ouest Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
1994	Cameroon	Est Region	
1980	Cameroon	Est Region	
2013	Gabon	OgoouÃ©-Lolo	
2004	Cameroon	Southwest	
2006	Cameroon	Centre	
2006	Cameroon	Centre	
2006	Cameroon	Centre	
2006	Cameroon	Centre	
2006	Cameroon	Centre	
2006	Cameroon	Centre	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2019	Republic of Congo	Cuvette-Ouest	
2010	Republic of Congo		
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	

2002	Gabon		
2014	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2014	Democratic Republic of the Congo	Tshopo	
2004	Democratic Republic of the Congo		
2006	Cameroon	Littoral	
2006	Cameroon	Southwest	
2006	Cameroon	Littoral	
2006	Cameroon	Littoral	
2006	Cameroon	Southwest	
2006	Cameroon	Littoral	
2006	Cameroon	Littoral	
2006	Cameroon	Southwest	
2006	Cameroon	Littoral	
2006	Cameroon	Littoral	
2017	Cameroon	Southwest Region	Koupe-Mane
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2006	Nigeria	Cross River	
2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2014	Benin	Atlantique	
2014	Benin	Zou	
2014	Benin	Atacora	
2011	Sierra Leone	Eastern	
2000	Côte d'Ivoire		
1996	Côte d'Ivoire		
1999	Côte d'Ivoire		
1999	Côte d'Ivoire		
2003	Guinea		
2002	Guinea		
2003	Ghana		
2002	Guinea		
2014	Cameroon	Nord-Ouest Region	
1984	Cameroon	Sud-Ouest	
1984	Cameroon	Sud-Ouest	
2006	Cameroon	West	

2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	Northwest	
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2005	Cameroon		
2005	Cameroon		
2005	Cameroon		
2005	Cameroon		
2005	Cameroon		
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2002	Nigeria	Cross River	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	Northwest	
2006	Cameroon	West	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2002	Guinea		
2012	Liberia		
2012	Liberia		
2005	Liberia		
2005	Liberia		
2003	Guinea		
2003	Guinea		
2003	Guinea		

2003	Guinea	
2003	Guinea	
2013	Republic of Congo	Niari
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2018	Cameroon	
2017	Gabon	Ogooue-Lolo
2017	Gabon	Ngounie
2017	Gabon	Ogooue-Lolo
2017	Gabon	Ogooue-Lolo
2017	Gabon	Ogooue-Lolo
2017	Gabon	Ogooue-Lolo
2017	Gabon	Ogooue-Lolo
2017	Gabon	Ogooue-Lolo
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2010	Republic of Congo	Lekoumou
2002	Cameroon	Littoral Region
2003	Cameroon	South West Region
2002	Cameroon	South Region
2002	Cameroon	South Region
2002	Cameroon	South Region
2002	Cameroon	South Region
2002	Cameroon	South Region
2003	Cameroon	South West Region
2003	Cameroon	South West Region
2015	Gabon	Moyen-OgoouÃ©
2015	Gabon	Ogooue-Lolo Prov.
2015	Gabon	Ogooue-Lolo Prov.
2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.

2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2006	Nigeria	Cross River
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
1998	Equatorial Guinea	Bioko Sur Prov.
1994	Cameroon	Est Region
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
2009	Gabon	OgoouÃ©-Ivindo
2010	Gabon	OgoouÃ©-Ivindo
2010	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2010	Gabon	OgoouÃ©-Maritime
2004	Cameroon	Southwest
2006	Cameroon	Northwest
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	Estuaire
2010	Gabon	OgoouÃ©-Maritime
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2002	Cameroon	Centre
2001	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Centre
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2004	Cameroon	Littoral Region
2002	Cameroon	Centre
2002	Cameroon	Centre
2001	Cameroon	Littoral Region
2003	Cameroon	South Region
2002	Cameroon	Centre
2001	Cameroon	Littoral Region
2002	Cameroon	Littoral Region

2004	Cameroon	Littoral Region	
2003	Cameroon	South Region	
2002	Cameroon	Centre	
2002	Cameroon	Centre	
2002	Cameroon	Littoral Region	
2002	Cameroon	Centre	
2002	Cameroon	Littoral Region	
2001	Cameroon	Littoral Region	
2002	Cameroon	Centre	
2004	Cameroon	Littoral Region	
2002	Cameroon	Centre	
2004	Cameroon	Littoral Region	
2002	Cameroon	Centre	
2002	Cameroon	Littoral Region	
2002	Cameroon	Centre	
2002	Cameroon	Centre	
2002	Cameroon	Centre	
2002	Cameroon	Centre	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2003	Cameroon	South West Region	
2003	Cameroon	South Region	
2004	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Centre	
2003	Cameroon	Littoral Region	
2004	Cameroon	Littoral Region	
1991	Cameroon	Littoral	
2014	Cameroon	Littoral Region	
1981	Cameroon	Sud Region	
1981	Cameroon	Sud Region	
1981	Cameroon	Sud Region	
2002	Cameroon	South-West Province	
2002	Cameroon	South-West Province	
2002	Cameroon	South-West Province	
2002	Cameroon	South-West Province	
2002	Cameroon	South-West Province	
2002	Cameroon	South-West Province	
2002	Cameroon	South-West Province	
2002	Cameroon	Littoral Region	
2002	Cameroon	South-West Province	
2002	Cameroon	South-West Province	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2018	Cameroon	Southwest Region	Fako Divisi

2018	Cameroon	Southwest Region	Fako Divisic
1984	Cameroon	Sud-Ouest Region	
1984	Cameroon	Sud-Ouest Region	
1984	Cameroon	Sud-Ouest	
1984	Cameroon	Sud-Ouest	
1984	Cameroon	Sud-Ouest	
1984	Cameroon	Sud-Ouest	
1984	Cameroon	Sud-Ouest	
1984	Cameroon	Sud-Ouest	
2013	Republic of Congo	Niari	
2018	Nigeria		
2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
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2018	Cameroon		
2018	Nigeria		
2018	Nigeria		
2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2016	Cameroon	Ouest Region	
2001	Cameroon	Littoral Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Sud-Ouest Region	
2014	Cameroon	Centre Region	

2014	Cameroon	Centre Region	
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2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Sud-Ouest Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
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2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2006	Ghana	Eastern Region	
2014	Benin	Atlantique	
2014	Benin	Zou	
2014	Benin	Atacora	
2013	Cameroon	Sud Region	
2003	Ghana		
2002	Côte d'Ivoire		
2009	Democratic Republic of the Congo	Ituri	
2012	Gabon	Nyanga	Basse-Banio
2012	Gabon	Nyanga	Basse-Banio
2012	Gabon	Nyanga	Basse-Banio
2012	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2012	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2012	Gabon	Nyanga	Basse-Banio
2012	Gabon		
2012	Gabon		
2009	Gabon		
2012	Gabon		
2012	Gabon		
2012	Gabon		
2012	Gabon		
2009	Gabon		
2017	Republic of Congo	Kouilou	Mvouti
2012	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	

2012	Gabon	Nyanga	Basse-Banio
2012	Gabon	Nyanga	Basse-Banio
2002	Gabon		
2002	Gabon		
2002	Gabon		
2013	Cameroon	Est Region	
2018	Cameroon		
2018	Cameroon		
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2018	Cameroon		
2016	Cameroon	Sud Region	
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2016	Cameroon	Sud Region	
2016	Cameroon	Sud Region	
2016	Cameroon	Sud Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Sud Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	

2016	Cameroon	Centre Region
2016	Cameroon	Centre Region
2016	Cameroon	Centre Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
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2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Centre Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
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2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Centre Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
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2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Centre Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
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2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
2014	Cameroon	Sud-Ouest Region
2018	Cameroon	
2013	Republic of Congo	Niari
2002	Cameroon	South Region
2012	Cameroon	Sud
2013	Cameroon	Sud Region
2011	Gabon	Haut-OgoouÃ©
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
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1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
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1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
1981	Cameroon	Sud Region
1980	Cameroon	Est Region
2009	Democratic Republic of the Congo	Ituri
2002	Gabon	
2002	Gabon	
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri

2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri
2009	Democratic Republic of the Congo	Ituri
2008	Republic of Congo	Likouala
2005	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2005	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
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2005	Republic of Congo	Likouala
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2008	Republic of Congo	
2008	Republic of Congo	
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
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2008	Republic of Congo	Likouala
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2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
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2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala

2008	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
1991	Cameroon	Sud-Ouest	
1991	Cameroon	Littoral	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2013	Cameroon	Nord-Ouest Region	
2002	Cameroon	Littoral Region	
2006	Cameroon		
2006	Cameroon		
2014	Cameroon	Nord-Ouest Region	Boyo Divisi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Centre Region	Mfoundi Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Centre Region	Mfoundi Div
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Boyo Divisi
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Boyo Divisi
2014	Cameroon	Centre	
2014	Cameroon	Centre	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Centre	
2014	Cameroon	Littoral	
2014	Cameroon	Centre	
2014	Cameroon	Littoral	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	

2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2005	Ghana	Volta Region
2005	Ghana	Volta Region
2005	Ghana	Volta Region
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2004	Ghana	Volta Region
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2011	Ghana	
2009	Democratic Republic of the Congo	Ituri
2009	Gabon	
2009	Gabon	
2009	Gabon	
2018	Cameroon	
2018	Cameroon	
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2018	Cameroon	
2018	Cameroon	
2018	Cameroon	
2018	Cameroon	
2018	Cameroon	
2018	Cameroon	
2018	Cameroon	
2009	Gabon	Ogooue-Ivindo
2009	Gabon	Ogooue-Ivindo
2009	Gabon	Ogooue-Ivindo
2009	Gabon	Ogooue-Ivindo
2009	Gabon	Ogooue-Ivindo
2009	Gabon	Ogooue-Ivindo
2016	Cameroon	Centre Region
2016	Cameroon	Centre Region
1999	Cameroon	Sud-Ouest Province
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region

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2013	Cameroon	Littoral Region
2013	Cameroon	Sud Region
2013	Cameroon	Littoral Region
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2013	Cameroon	Littoral Region
2013	Cameroon	Sud Region
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2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
1999	Cameroon	Ouest Province
2009	Democratic Republic of the Congo	Ituri
2013	Gabon	OgoouÃ©-Lolo
2011	Gabon	Haut-OgoouÃ©
2014	Cameroon	Littoral
2018	Nigeria	Cross River
2018	Nigeria	Cross River
2018	Nigeria	Cross River
2018	Nigeria	Cross River
2018	Nigeria	Cross River
2018	Nigeria	Cross River
2018	Nigeria	Cross River
2018	Nigeria	Cross River
	Nigeria	
2012	Cameroon	Sud
2010	Democratic Republic of the Congo	Orientale
1985	Democratic Republic of the Congo	
1985	Democratic Republic of the Congo	
2005	Democratic Republic of the Congo	
1985	Democratic Republic of the Congo	
1985	Democratic Republic of the Congo	
1985	Democratic Republic of the Congo	
2009	Democratic Republic of the Congo	Ituri
1997	Republic of Congo	
2018	Cameroon	
2018	Cameroon	
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2018	Cameroon		
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2018	Cameroon		
2017	Cameroon	Littoral Region	Koupe-Mane
2017	Cameroon	Littoral Region	Koupe-Mane
2017	Cameroon	Littoral Region	Koupe-Mane
2015	Cameroon	Southwest Region	Ndian Divisi
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
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2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	

2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2016	Cameroon	Centre Region	
2010	Liberia	Sinoe	
2010	Liberia	Lofa	
2014	Liberia	Sinoe	
2010	Liberia	Sinoe	
2011	Liberia		
2011	Liberia		
2011	Liberia		
1988	Liberia	Sinoe	
1988	Liberia	Sinoe	
2005	Liberia		
2005	Liberia		
2005	Liberia		
2002	Guinea		
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2003	Guinea		
2003	Guinea		
2002	Côte d'Ivoire		
2002	Côte d'Ivoire		
2002	Guinea		
2002	Guinea		
2002	Guinea		
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2012	Ghana	Western	
2012	Ghana	Western	
1991	Cameroon	Sud-Ouest	
2003	Benin	Borgou	
2003	Benin	Borgou	
2014	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Sud-Ouest	
2018	Ghana	Eastern	
2017	Cameroon	Littoral Region	Moungo Div

2017	Cameroon	Littoral Region	Moungo Div
2017	Cameroon	Littoral Region	Moungo Div
2017	Cameroon	Littoral Region	Moungo Div
2017	Cameroon	Littoral Region	Moungo Div
2017	Cameroon	Littoral Region	Moungo Div
2017	Cameroon	Littoral Region	Moungo Div
2016	Ghana		
2016	Ghana		
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2011	Ghana		
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Ghana	Eastern Region	
2005	Ghana	Volta Region	
2005	Ghana	Volta Region	
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2005	Ghana	Volta Region
2004	Ghana	Greater Accra Region
2004	Ghana	Western Region
2004	Ghana	Greater Accra Region
2004	Ghana	Greater Accra Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Volta Region
2004	Ghana	Greater Accra Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Volta Region
2004	Ghana	Western Region
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2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Greater Accra Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Greater Accra Region
1999	Cameroon	Sud-Ouest Province
1999	Cameroon	Sud-Ouest Province
1999	Cameroon	Sud-Ouest Province
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1999	Cameroon	Sud-Ouest Province
1999	Cameroon	Sud-Ouest Province
1999	Cameroon	Sud-Ouest Province
1999	Cameroon	Sud-Ouest Province
2010	Benin	Zou

2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
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2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
1998	Ghana	Eastern Region
1998	Ghana	Eastern Region
2002	Guinea	
1998	Ghana	Eastern Region
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1998	Ghana	Eastern Region
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2002	Guinea	
1998	Ghana	Eastern Region
2002	Guinea	
1998	Ghana	Eastern Region
1998	Ghana	Eastern Region
2003	Ghana	Brong-Ahafo
1993	Côte d'Ivoire	
1992	Côte d'Ivoire	
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2005	Liberia	
2002	Guinea	
2003	Ghana	

2003	Ghana	
2003	Ghana	
2002	Côte d'Ivoire	
2002	Côte d'Ivoire	
2002	Guinea	
2002	Guinea	
2002	Guinea	
2002	Guinea	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2018	Burkina Faso	
2018	Burkina Faso	
2018	Burkina Faso	
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu

2009	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	Katanga
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	Katanga
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2018	Cameroon	
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
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2013	Cameroon	Sud-Ouest Region
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2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Littoral Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region

2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2009	Democratic Republic of the Congo	Nord Kivu
2012	Ghana	Central
2012	Ghana	Western
2012	Ghana	Western
2012	Ghana	Central
2012	Ghana	Central
2019	Togo	Maritime
2016	Nigeria	Lagos
2019	Togo	Maritime
2003	Benin	Borgou
2012	Côte d'Ivoire	Montagnes
2011	Ghana	Eastern
2018	Cameroon	
2010	Benin	Zou
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2005	Ghana	Volta Region
2005	Ghana	Volta Region
2005	Ghana	Volta Region
2004	Ghana	Western Region
2004	Ghana	Western Region
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2004	Ghana	Western Region
2004	Ghana	Western Region

2004	Ghana	Western Region
2010	Benin	Altantique
2010	Benin	Zou
2010	Benin	Altantique
2010	Benin	Altantique
2010	Benin	Altantique
2010	Benin	Zou
2014	Nigeria	Lagos
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
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2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2003	Ghana		
2003	Ghana		
1999	Cameroon	Ouest Province	
1996	Côte d'Ivoire		
2005	Liberia		
2005	Liberia		
2005	Liberia		
2005	Liberia		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2002	Côte d'Ivoire		
2002	Côte d'Ivoire		
2002	Guinea		
2002	Guinea		
2002	Guinea		
2002	Guinea		
2003	Benin	Borgou	
1982	Nigeria	Cross River	
1982	Nigeria	Cross River	
1982	Nigeria	Cross River	
1982	Nigeria	Cross River	
1982	Nigeria	Cross River	
2020	Nigeria	Cross River	
2020	Nigeria	Cross River	
2020	Nigeria	Cross River	
2020	Nigeria	Cross River	
2020	Nigeria	Cross River	
2020	Nigeria	Cross River	
2012	Ghana	Western	
2012	Ghana	Western	
2014	Republic of Congo	Kouilou	
2003	Benin	Borgou	
2016	Benin	Zou	
2006	Ghana	Western	
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2004	Cameroon	Littoral Region	

2004	Cameroon	Littoral Region
2004	Cameroon	Littoral Region
2004	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2016	Ghana	
2015	Gabon	Moyen-OgoouÃ©
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2010	Gabon	
2011	Ghana	
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2011	Ghana	
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2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2000	Nigeria	Cross River
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
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2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region

2004	Ghana	Western Region
1981	Ghana	Eastern Region
2002	Gabon	
2004	Cameroon	Southwest
2004	Cameroon	Southwest
1993	Côte d'Ivoire	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2002	Côte d'Ivoire	
2002	Côte d'Ivoire	
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2013	Central African Republic	
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2020	Nigeria	Cross River
2009	Democratic Republic of the Congo	Ituri
2014	Democratic Republic of the Congo	Ituri
2014	Democratic Republic of the Congo	Ituri
2014	Democratic Republic of the Congo	Ituri
2009	Democratic Republic of the Congo	Ituri
2009	Democratic Republic of the Congo	Nord Kivu
2011	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
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2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
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2013	Cameroon	Sud Region	
1996	Côte d'Ivoire		
1996	Côte d'Ivoire		
1996	Côte d'Ivoire		
2012	Republic of Congo	Niari	
2012	Republic of Congo	Kouilou	
2013	Republic of Congo	Niari	
2014	Gabon	Moyen-OgoouÃ©	
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
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2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	

2017	Gabon	Ngounie	
2015	Republic of Congo	Haut-OgoouÃ©	
2015	Republic of Congo	Haut-OgoouÃ©	
2015	Republic of Congo	Haut-OgoouÃ©	
2015	Republic of Congo	Haut-OgoouÃ©	
2015	Republic of Congo	Haut-OgoouÃ©	
2015	Republic of Congo	Haut-OgoouÃ©	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Republic of Congo	Haut-Ogooue Prov.	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2013	Cameroon	Est Region	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio

2012	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2012	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2012	Republic of Congo	Kouilou	
2009	Gabon		
2013	Gabon		
2009	Gabon		
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2009	Gabon		
2009	Gabon	Estuaire	
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2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
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2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
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2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2012	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2012	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2015	Republic of Congo	Haut-Ogooue Prov.	
2015	Republic of Congo	Haut-Ogooue Prov.	
2015	Republic of Congo	Haut-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2009	Gabon	Estuaire	
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
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2005	Democratic Republic of the Congo		
1994	Democratic Republic of the Congo	Haut-Zaire Prov.	
2016	Ghana		
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2011	Ghana		
2006	Ghana	Eastern Region	
2006	Ghana	Eastern Region	
2006	Ghana	Eastern Region	
2005	Liberia		
2005	Liberia		
2005	Liberia		
2002	Guinea		
2002	Guinea		
2003	Guinea		
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2003	Guinea		
2003	Guinea		
2002	Côte d'Ivoire		
2002	Côte d'Ivoire		
2002	Guinea		
2014	Cameroon	Nord-Ouest Region	Mezam Divi

2014	Cameroon	Nord-Ouest Region	Boyo Divisi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2020	Cameroon	Adamaoua	
2020	Cameroon	Adamaoua	
2020	Cameroon	Adamaoua	
2020	Cameroon	Adamaoua	
2020	Cameroon	Adamaoua	
2019	Cameroon	Adamaoua	
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2014	Cameroon	Nord-Ouest Region	Mezam Divi
2016	Cameroon	Adamaoua	
2019	Cameroon	Adamaoua	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Littoral	
2014	Cameroon	Nord-Ouest	
2014	Cameroon	Nord-Ouest	

2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
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2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2014	Cameroon	Nord-Ouest
2015	Cameroon	Adamaoua
2003	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2014	Cameroon	Nord-Ouest
2002	Nigeria	Cross River
2002	Nigeria	Cross River
2002	Nigeria	Cross River
2014	Cameroon	Nord-Ouest Region
2014	Cameroon	Nord-Ouest Region
2014	Cameroon	Nord-Ouest Region
2014	Cameroon	Nord-Ouest Region
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2013	Cameroon	Nord-Ouest Region
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2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region

2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Ouest Region
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2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
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2011	Cameroon	Nord-Ouest Region	
2011	Cameroon		
2011	Cameroon		
2011	Cameroon		
2011	Cameroon		
2011	Cameroon		
2011	Cameroon		
2019	Nigeria	Cross River	
2019	Nigeria	Cross River	
2010	Democratic Republic of the Congo	Orientale	
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2011	Cameroon	Sud-Ouest Region	
2011	Cameroon	Sud-Ouest Region	
2011	Cameroon	Sud-Ouest Region	
2011	Cameroon	Sud-Ouest Region	
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2011	Cameroon	Sud-Ouest Region	
2011	Cameroon	Sud-Ouest Region	

2011	Cameroon	Sud-Ouest Region
2011	Cameroon	Sud-Ouest Region
2012	Ghana	Central
2012	Ghana	Western
2012	Ghana	Central
2012	Ghana	Central
2003	Benin	Borgou
2003	Benin	Borgou
2018	Ghana	Eastern
2018	Ghana	Eastern
2011	Liberia	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2004	Benin	Zogbodomey
2008	Benin	Materi
2004	Benin	Zogbodomey
2011	Ghana	
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2011	Ghana	
2011	Ghana	
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2003	Ghana	
2002	Côte d'Ivoire	
2011	Cameroon	
2011	Cameroon	

2011	Cameroon	
2019	Nigeria	Cross River
2019	Nigeria	Cross River
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2019	Nigeria	Cross River
2019	Nigeria	Cross River
2019	Nigeria	Cross River
2004	Benin	Zogbodomey
2004	Benin	Zogbodomey
2008	Benin	Materi
2005	Ghana	Volta Region
2005	Ghana	Volta Region
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2004	Ghana	Volta Region
2004	Togo	Volta Region
2004	Togo	Volta Region
2004	Togo	Volta Region
2004	Ghana	Volta Region
2004	Ghana	Volta Region
2004	Ghana	Volta Region
2014	Benin	Atlantique
2014	Benin	Zou
2014	Benin	Atacora
2016	Cameroon	Ouest Region
2016	Cameroon	Ouest Region
2016	Cameroon	Ouest Region
2016	Cameroon	Ouest Region
2009	Gabon	

2009	Gabon
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2009	Gabon
1998	Equatorial Guinea
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2009	Gabon		
2010	Democratic Republic of the Congo	Katanga	
2011	Democratic Republic of the Congo	South Kivu	
2008	Democratic Republic of the Congo	South Kivu	
2011	Democratic Republic of the Congo	South Kivu	
2008	Democratic Republic of the Congo	South Kivu	
2010	Democratic Republic of the Congo	South Kivu	
2009	Democratic Republic of the Congo	South Kivu	
2012	Democratic Republic of the Congo	South Kivu	
2009	Democratic Republic of the Congo	Orientale	
2008	Democratic Republic of the Congo	South Kivu	
2010	Democratic Republic of the Congo	Katanga	
2010	Democratic Republic of the Congo	Katanga	
2012	Democratic Republic of the Congo	South Kivu	
2009	Democratic Republic of the Congo	Orientale	
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2009	Gabon	Estuaire	
2013	Equatorial Guinea		
2013	Equatorial Guinea		
2013	Equatorial Guinea		
2013	Equatorial Guinea		
2013	Equatorial Guinea		
2013	Equatorial Guinea		

2013	Equatorial Guinea	
2009	Gabon	Woleu-Ntem Province
2009	Gabon	Woleu-Ntem Province
2013	Equatorial Guinea	
2013	Equatorial Guinea	
2013	Equatorial Guinea	
2009	Gabon	Woleu-Ntem Province
2013	Equatorial Guinea	
2009	Gabon	Woleu-Ntem Province
2009	Gabon	Woleu-Ntem Province
2013	Equatorial Guinea	
2013	Equatorial Guinea	
2009	Gabon	Woleu-Ntem Province
2013	Equatorial Guinea	
2009	Gabon	Woleu-Ntem Province
2013	Equatorial Guinea	
2013	Equatorial Guinea	
2013	Equatorial Guinea	
2013	Equatorial Guinea	
2009	Gabon	Woleu-Ntem Province
2009	Gabon	Woleu-Ntem Province
2013	Equatorial Guinea	
2015	Gabon	Moyen-OgoouÃ©
2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2009	Gabon	Woleu-Ntem
1999	Cameroon	Sud Province
1999	Cameroon	Sud Province
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.

2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Ouest Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
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2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
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2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.

1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Democratic Republic of the Congo	Haut-Zaire Prov.	
1994	Democratic Republic of the Congo	Haut-Zaire Prov.	
1994	Democratic Republic of the Congo	Haut-Zaire Prov.	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	

2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2013	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2014	Democratic Republic of the Congo	Tsopo	
2016	Democratic Republic of the Congo	Tshopo	
2014	Democratic Republic of the Congo	Tsopo	
2019	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
2019	Democratic Republic of the Congo	Tshopo	

2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2003	Ghana	
2003	Ghana	
2012	Côte d'Ivoire	Montagnes
2003	Guinea	
2003	Guinea	
2003	Guinea	
2003	Guinea	
2003	Guinea	
2011	Ghana	Eastern
2011	Ghana	Eastern
2011	Ghana	Eastern
2011	Ghana	Eastern
2011	Ghana	Eastern
2011	Ghana	Eastern
2011	Ghana	Eastern
2018	Ghana	Eastern
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2016	Ghana	
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2011	Ghana	
2002	Guinea	
2002	Guinea	
2002	Guinea	
2018	Cameroon	
2013	Cameroon	Littoral Region
2006	Cameroon	
2005	Cameroon	
2014	Benin	Atlantique
2014	Benin	Zou
2014	Benin	Atacora
2002	Côte d'Ivoire	
2011	Cameroon	Nord-Ouest Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2006	Cameroon	Southwest
2006	Cameroon	Southwest
2006	Cameroon	Southwest
2004	Cameroon	Southwest
2000	Côte d'Ivoire	
1997	Côte d'Ivoire	

2000	Côte d'Ivoire		
2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	
2004	Cameroon	West	
2004	Cameroon	West	
2004	Cameroon	West	
2004	Cameroon	West	
2004	Cameroon	West	
2004	Cameroon	West	
2004	Cameroon	West	
2004	Cameroon	West	
2017	Cameroon	Southwest Region	Koupe-Mane
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Cameroon		
2005	Cameroon		
2005	Cameroon		
2009	Nigeria	Taraba	
2009	Nigeria	Taraba	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2006	Cameroon		
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	

2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2003	Cameroon	Littoral Region	
2003	Cameroon	Littoral Region	
2006	Cameroon		
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2006	Cameroon		
2006	Cameroon		
2005	Cameroon		
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2018	Cameroon	Littoral Region	Moungo Div
2003	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2014	Cameroon	Nord-Ouest Region	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	
2006	Cameroon	West	

2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	West
2001	Gabon	
2001	Gabon	
2011	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
1991	Cameroon	Littoral
2020	Gabon	OgoouÃ©-Maritime
2019	Republic of Congo	Sangha
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2017	Gabon	Ngounie
2016	Cameroon	Centre Region
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2015	Gabon	Haut-Ogooue Prov.
2014	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region

2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2010	Gabon	OgoouÃ©-Ivindo	
2004	Cameroon	Southwest	
2009	Gabon	OgoouÃ©-Ivindo	
2004	Democratic Republic of the Congo		
2002	Cameroon	South West Region	
2002	Cameroon	South West Region	
2002	Cameroon	Littoral Region	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Nigeria	Edo	
2012	Nigeria	Cross River	
1991	Cameroon	Sud-Ouest	
1991	Cameroon	Littoral	
2013	Republic of Congo	Niari	
2012	Nigeria	Cross River	
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Sud-Ouest	
2010	Republic of Congo		
2010	Republic of Congo		
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2016	Cameroon	Centre Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2010	Republic of Congo	Lekoumou	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2001	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2015	Gabon	Moyen-Ogooue Prov.	
2014	Cameroon	Littoral Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Littoral Region	

2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Est Region	
2013	Gabon	OgoouÃ©-Ivindo	
2013	Gabon	OgoouÃ©-Ivindo	
2013	Gabon	OgoouÃ©-Ivindo	
2004	Cameroon	Southwest	
2009	Gabon	OgoouÃ©-Ivindo	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2017	Gabon	NgouniÃ©	
2015	Cameroon	Littoral	
1998	Equatorial Guinea		
2013	Gabon		
2005	Republic of Congo		
2005	Republic of Congo		
2013	Gabon		
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2013	Equatorial Guinea		
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2002	Cameroon	South West Region	
2003	Cameroon	Littoral Region	
2002	Cameroon	South West Region	
2002	Cameroon	South West Region	
2002	Cameroon	South West Region	
2008	Republic of Congo	Likouala	
2005	Republic of Congo	Likouala	
2015	Cameroon	Southwest Region	Ndian Divisi

2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Gabon	Moyen-Ogooue Prov.	
2013	Cameroon	Sud-Ouest Region	
1998	Equatorial Guinea	Bioko Norte Prov.	
2015	Democratic Republic of the Congo	Tshopo	
2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
1982	Cameroon		
2004	Cameroon	Southwest	
2009	Gabon	OgoouÃ©-Ivindo	
1997	Republic of Congo		
2009	Gabon	OgoouÃ©-Ivindo	
2015	Democratic Republic of the Congo	Ituri	
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Nord-Ouest Region	Mezam Divi
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
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1998	Equatorial Guinea		
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1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
2018	Cameroon		
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2018	Cameroon	Littoral Region	Moungo Div
2013	Equatorial Guinea		
2017	Gabon	Ngounie	
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2002	Cameroon	Littoral Region	
2002	Cameroon	South Region	
2003	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	South West Region	
2002	Cameroon	Littoral Region	
2003	Cameroon	Littoral Region	
2003	Cameroon	South Region	
2002	Cameroon	Littoral Region	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi

2015	Cameroon	Southwest Region	Ndian Divisi
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Nord-Ouest	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2006	Nigeria	Cross River	
2013	Cameroon	Ouest Region	
2013	Cameroon	Ouest Region	
2013	Cameroon	Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Ouest Region	
2013	Cameroon	Ouest Region	
2013	Cameroon	Ouest Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	

1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1994	Cameroon	Est Region
2015	Democratic Republic of the Congo	Bas-UÃ©lÃ©
2015	Democratic Republic of the Congo	Bas-UÃ©lÃ©
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Bas UÃ©lÃ©
2015	Democratic Republic of the Congo	Bas UÃ©lÃ©
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri

2010	Gabon	OgoouÃ©-Ivindo
2010	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2006	Cameroon	Southwest
2004	Cameroon	Southwest
1997	Republic of Congo	
2009	Gabon	OgoouÃ©-Ivindo
2014	Cameroon	Nord-Ouest Region
2014	Cameroon	Nord-Ouest Region
2014	Cameroon	Nord-Ouest Region
2009	Gabon	Woleu-Ntem
2009	Gabon	Woleu-Ntem
2009	Gabon	Estuaire
2009	Gabon	Woleu-Ntem
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
1988	Liberia	Sinoe
1988	Liberia	Sinoe
2005	Liberia	
2003	Ghana	
2002	Côte d'Ivoire	
2002	Côte d'Ivoire	
2017	Gabon	Ngounie
2017	Gabon	Ngounie
2017	Gabon	Ngounie
2017	Gabon	Ngounie
2017	Gabon	Ngounie
2017	Gabon	Ngounie
2020	Gabon	Haut-OgoouÃ©
2006	Nigeria	Cross River
2009	Democratic Republic of the Congo	North Kivu
2017	Gabon	Ogooue-Lolo
2017	Gabon	Ogooue-Lolo
2017	Gabon	Ngounie
2004	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2004	Cameroon	Littoral Region

2015	Gabon	Haut-OgoouÃ©	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2013	Cameroon	Est Region	
2015	Democratic Republic of the Congo	Bas-UÃ©lÃ©	
2015	Democratic Republic of the Congo	Tshopo	
2015	Democratic Republic of the Congo	Tshopo	
2014	Democratic Republic of the Congo	Ituri	
2014	Democratic Republic of the Congo	Ituri	
2015	Democratic Republic of the Congo	Bas UÃ©lÃ©	
2009	Democratic Republic of the Congo	Ituri	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2009	Democratic Republic of the Congo	Ituri	
2014	Cameroon	Littoral	
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2017	Cameroon	Southwest Region	Koupe-Mane
2002	Cameroon	South West Region	
2013	Cameroon	Sud Region	
2013	Cameroon	Sud Region	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	

1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
2006	Cameroon	Southwest
2006	Cameroon	Southwest
2006	Cameroon	Southwest
2006	Cameroon	Southwest
2006	Cameroon	Southwest
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
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2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2008	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu

2008	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2008	Democratic Republic of the Congo	South Kivu
2010	Democratic Republic of the Congo	South Kivu
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2009	Nigeria	Taraba
2009	Nigeria	Taraba
2009	Nigeria	Taraba
2009	Nigeria	Taraba
2010	Côte d'Ivoire	Montagnes
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
1988	Liberia	Sinoe
1988	Liberia	Sinoe
2011	Ghana	
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
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2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2012	Côte d'Ivoire	Montagnes
2005	Liberia	
2003	Ghana	
2002	Côte d'Ivoire	
2002	Côte d'Ivoire	

2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2002	Cameroon	South Region	
2002	Cameroon	South Region	
2003	Cameroon	South Region	
2003	Cameroon	South Region	
2010	Republic of Congo	Lekoumou	
2002	Cameroon	South Region	

2010	Republic of Congo	Lekoumou
2002	Cameroon	South Region
2003	Cameroon	South Region
2003	Cameroon	South Region
2003	Cameroon	South Region
2002	Cameroon	Littoral Region
2003	Cameroon	South Region
2002	Cameroon	South Region
2015	Gabon	Haut-OgoouÃ©
2015	Gabon	Ogooue-Lolo Prov.
2015	Gabon	Ogooue-Lolo Prov.
2015	Gabon	Ogooue-Lolo Prov.
2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2003	Equatorial Guinea	Provincia Wele-Nzas
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Sud Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri
2013	Gabon	OgoouÃ©-Lolo
2013	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2004	Democratic Republic of the Congo	
2005	Democratic Republic of the Congo	

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2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2005	Democratic Republic of the Congo		
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2020	Nigeria	Cross River	
2015	Cameroon	Littoral	
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Sud-Ouest Region	Fako Divisi
2014	Cameroon	Sud-Ouest Region	Fako Divisi
2014	Cameroon	Sud-Ouest Region	Fako Divisi
2014	Cameroon	Sud-Ouest Region	Fako Divisi
2014	Cameroon	Littoral Region	Moungo Div
2014	Cameroon	Sud-Ouest Region	Fako Divisi
2006	Nigeria	Cross River	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2014	Cameroon	Littoral	
2018	Cameroon		
2018	Cameroon		
2017	Gabon	Ogooue-Lolo	
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2002	Cameroon	South-West Province	
2002	Cameroon	South West Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	South-West Province	

2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	South-West Province	
2003	Cameroon	Littoral Region	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2014	Cameroon	Sud-Ouest	
2014	Cameroon	Sud-Ouest	
2014	Cameroon	Sud-Ouest	
2014	Cameroon	Sud-Ouest	
2014	Cameroon	Sud-Ouest	
2014	Cameroon	Littoral	
2014	Cameroon	Sud-Ouest	
2014	Cameroon	Sud-Ouest	
2014	Cameroon	Sud-Ouest	
2014	Cameroon	Sud-Ouest	
2014	Cameroon	Sud-Ouest	
2015	Gabon	Moyen-Ogooue Prov.	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2000	Nigeria	Cross River	
2006	Nigeria	Cross River	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
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2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	

2014	Cameroon	Littoral Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
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2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
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2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2011	Cameroon	Centre Region
2006	Cameroon	
2009	Gabon	Woleu-Ntem
2009	Gabon	Estuaire
2009	Gabon	Estuaire
2009	Gabon	Estuaire
2009	Gabon	Estuaire
2012	Ghana	Eastern
2012	Ghana	Western
2012	Ghana	Eastern
1980	Côte d'Ivoire	Montagnes
2003	Benin	Borgou
2003	Benin	Borgou
2011	Liberia	
2006	Ghana	Central
2014	Togo	Plateaux
2018	Ghana	Eastern
2016	Sierra Leone	Eastern

2016	Ghana		
2016	Ghana		
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2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2004	Ghana	Western Region	
2010	Benin	Zou	
1999	Côte d'Ivoire		
1996	Côte d'Ivoire		
2000	Côte d'Ivoire		
2009	Gabon	Estuaire	
2014	Benin	Atlantique	
2014	Benin	Zou	
2014	Benin	Atacora	
2003	Côte d'Ivoire		
2003	Côte d'Ivoire		
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio

2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2012	Republic of Congo	Niari	
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Gabon		
2013	Equatorial Guinea		
1991	Cameroon	Littoral	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2002	Cameroon	Littoral Region	
2013	Gabon	Nyanga	Basse-Banio
2015	Gabon	Moyen-Ogooue Prov.	
1999	Cameroon	Sud-Ouest Province	
1999	Cameroon	Sud-Ouest Province	
2002	Equatorial Guinea	Centro Sur	
2013	Cameroon	Sud Region	
1998	Equatorial Guinea	Bioko Norte Prov.	
1998	Equatorial Guinea	Bioko Norte Prov.	
1998	Equatorial Guinea	Bioko Norte Prov.	
2013	Gabon	OgoouÃ©-Ivindo	
1984	Cameroon	Sud-Ouest	
1980	Cameroon	Southwest	
1980	Cameroon	Southwest	
1980	Cameroon	Southwest	
1980	Cameroon	Southwest	
1980	Cameroon	Southwest	
2013	Gabon	Haut-OgoouÃ©	
1999	Cameroon	Ouest Province	
1980	Cameroon	Southwest	
2015	Cameroon	Littoral	
1991	Cameroon	Littoral	
2004	Cameroon	Littoral Region	
2003	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2003	Cameroon	Littoral Region	
2003	Cameroon	Littoral Region	

2014	Democratic Republic of the Congo	Tsopo	
2013	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	Estuaire	
2006	Cameroon	South	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2009	Gabon	OgoouÃ©-Ivindo	
2006	Cameroon	South	
2014	Benin	Atlantique	
2014	Benin	Zou	
2014	Benin	Atacora	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ogooue-Lolo	
2015	Cameroon	Littoral	
2016	Gabon	Estuaire	
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
1988	Cameroon	South West Region	Ndian
2002	Cameroon	Littoral Region	
1988	Cameroon	South West Region	Ndian
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2014	Cameroon	Littoral Region	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2013	Cameroon	Sud-Ouest Region	
2006	Cameroon		
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2019	Liberia	Eastern	
2004	Sierra Leone	Western Area	
2004	Sierra Leone	Western Area	
2004	Sierra Leone	Western Area	
2004	Sierra Leone	Western Area	
2004	Sierra Leone	Western Area	
1988	Liberia	Sinoe	
1988	Liberia	Sinoe	
1988	Liberia	Sinoe	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	

2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2004	Sierra Leone	Western Area Prov.	
2012	Liberia		
2012	Liberia		
2012	Liberia		
2012	Liberia		
2012	Guinea		
2002	Guinea		
2005	Liberia		
2002	Guinea		
2002	Guinea		
2002	Guinea		
2004	Sierra Leone	Western Area	
2018	Guinea	Basse GuinÃ©e	
1991	Cameroon	Sud-Ouest	
2009	Gabon		
2009	Gabon		
2009	Gabon	Ogooue-Ivindo	
2009	Gabon	Ogooue-Ivindo	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ogooue-Lolo	
2003	Cameroon	South Region	
2003	Cameroon	South Region	
2003	Cameroon	Littoral Region	
2002	Cameroon	South Region	
2003	Cameroon	South Region	
2015	Gabon	Haut-Ogooue Prov.	
2011	Equatorial Guinea	RegiÃ³n Insular	Bioko Sur
2006	Nigeria	Cross River	
1991	Cameroon	Sud-Ouest	

2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
1980	Cameroon	Nord-Ouest Region	
2004	Cameroon	Southwest	
2006	Cameroon	Southwest	
2004	Cameroon	Southwest	
2018	Cameroon	Littoral Region	Moungo Div
2013	Cameroon	Littoral Region	
1997	Cameroon		
1997	Cameroon		
2015	Cameroon	Littoral	
2002	Cameroon	South-West Province	
2002	Cameroon	Littoral Region	
2009	Cameroon		
2009	Cameroon		
2009	Cameroon		
2009	Cameroon		
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2015	Gabon	Moyen-Ogooue Prov.	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Woleu-Ntem	
2003	Cameroon	South West Region	
2003	Cameroon	South West Region	
2003	Cameroon	South Region	
1981	Cameroon	Sud Region	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	

2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2004	Cameroon	South	
2004	Cameroon	South	
2009	Gabon	Estuaire	
2004	Cameroon	South	
2017	Gabon	Ogooue-Lolo	
2004	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2003	Cameroon	Littoral Region	
2004	Cameroon	Littoral Region	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2006	Nigeria	Cross River	
2009	Nigeria	Adamawa	
2009	Nigeria	Adamawa	
2009	Nigeria	Adamawa	
2009	Nigeria	Adamawa	
2002	Cameroon	South-West Province	
2004	Cameroon	Littoral Region	
2015	Cameroon	Southwest Region	Ndian Divisi
2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
2006	Cameroon		
2005	Cameroon		
2006	Cameroon		
2005	Cameroon		
2006	Cameroon	Southwest	
2006	Cameroon	Southwest	
2004	Cameroon	Southwest	
2004	Cameroon	Southwest	
2009	Cameroon		
2009	Cameroon		
2011	Ghana		

2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2011	Ghana		
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2004	Ghana	Western Region	
2005	Liberia		
2002	Côte d'Ivoire		
2002	Côte d'Ivoire		
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2012	Gabon	Nyanga	Basse-Banio
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2016	Republic of Congo	Kouilou	
2009	Gabon		
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2009	Gabon		
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2009	Gabon	OgoouÃ©-Maritime	
2016	Cameroon	Sud Region	
2016	Cameroon	Sud Region	
2016	Cameroon	Sud Region	
2009	Gabon	OgoouÃ©-Maritime	
2012	Gabon	Nyanga	Basse-Banio
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2015	Gabon	Moyen-OgoouÃ©	
2015	Gabon	Haut-Ogooue Prov.	
2015	Republic of Congo	Haut-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	

2015	Gabon	Moyen-Ogooue Prov.	
2009	Gabon	Estuaire	
2009	Gabon	OgoouÃ©-Maritime	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Woleu-Ntem	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
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2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2009	Gabon	Estuaire	
2011	Ghana	A	
2016	Ghana	A	
2006	Ghana	A	
1998	Equatorial Guinea	Bioko Sur Prov.	
2002	Gabon		
2002	Gabon		
1984	Cameroon	Sud-Ouest	
1984	Cameroon	Sud-Ouest	
2004	Democratic Republic of the Congo		
2013	Republic of Congo	Niari	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2013	Gabon	Nyanga	Basse-Banio
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
1998	Equatorial Guinea		
1998	Equatorial Guinea		

1998	Equatorial Guinea		
2010	Republic of Congo		
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2013	Gabon		
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2018	Cameroon		
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2018	Gabon		Haut-Ogoou
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ogooue-Lolo	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	

2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2010	Republic of Congo	Lekoumou	
2015	Gabon	Moyen-OgoouÃ©	
2015	Gabon	Ogooue-Lolo Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2014	Cameroon	Littoral Region	
2003	Equatorial Guinea	Provincia Wele-Nzas	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
2013	Cameroon	Littoral Region	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	
1994	Cameroon	Est Region	

1994	Cameroon	Est Region
1994	Cameroon	Est Region
2009	Gabon	OgoouÃ©-Ivindo
2004	Cameroon	Southwest
2004	Cameroon	South
2004	Cameroon	South
2006	Cameroon	Centre
2004	Cameroon	Southwest
2006	Cameroon	Centre
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2006	Cameroon	Northwest
2004	Cameroon	Littoral
2011	Liberia	
2011	Liberia	
2011	Liberia	
2011	Liberia	
2016	Ghana	
2016	Ghana	
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2016	Ghana	
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2016	Ghana	
1988	Liberia	Sinoe
1988	Liberia	Sinoe
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2004	Ghana	Western Region
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1984	Liberia	
2002	Guinea	
2005	Liberia	
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2003	Ghana	
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2003	Ghana	
2002	Côte d'Ivoire	
2002	Côte d'Ivoire	
2005	Liberia	
2005	Liberia	
2003	Ghana	
2003	Ghana	
2005	Liberia	
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
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2009	Democratic Republic of the Congo	South Kivu

2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2009	Democratic Republic of the Congo	South Kivu
2017	Gabon	Ngounie
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	Lekoumou
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2006	Cameroon	Northwest
2006	Cameroon	Northwest
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1998	Equatorial Guinea	
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1998	Equatorial Guinea		
1998	Equatorial Guinea		
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Gabon	Haut-Ogooue Prov.	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2014	Cameroon	Littoral Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
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2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
2013	Cameroon	Sud-Ouest Region	
1998	Equatorial Guinea	Bioko Norte Prov.	
1998	Equatorial Guinea	Bioko Norte Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
2002	Gabon	
2002	Gabon	
2002	Gabon	
2002	Gabon	
2009	Nigeria	Adamawa
2009	Nigeria	Adamawa
2009	Nigeria	Adamawa
2009	Nigeria	Adamawa
2004	Cameroon	Southwest

2009	Cameroon	Littoral	
2002	Cameroon	Littoral Region	
2006	Cameroon		
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2006	Cameroon		
1984	Cameroon	Sud-Ouest	
1984	Cameroon	Littoral	
2006	Cameroon	Southwest	
2009	Nigeria	Taraba	
2009	Nigeria	Taraba	
2009	Nigeria	Taraba	
2009	Nigeria	Taraba	
2009	Nigeria	Taraba	
2010	Côte d'Ivoire	Montagnes	
2011	Liberia		
2011	Liberia		
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2011	Liberia		
1984	Sierra Leone	Northern	Bombali
1988	Liberia	Sinoe	
1988	Liberia	Sinoe	
2005	Liberia		
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2005	Liberia		
2005	Liberia		
2002	Guinea		
2002	Guinea		
2002	Guinea		
2002	Guinea		
2016	Ghana		
2016	Ghana		
2004	Ghana	Western Region	
2003	Ghana		
2003	Ghana		
2005	Liberia		
2005	Liberia		
2002	Côte d'Ivoire		
2002	Côte d'Ivoire		

1981	Ghana	Upper West Region
2003	Ghana	
2003	Ghana	
2002	Côte d'Ivoire	
2005	Guinea	
2005	Guinea	
2005	Guinea	
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2012	Republic of Congo	Niari
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	
2006	Republic of Congo	
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2006	Republic of Congo	
2008	Republic of Congo	
2006	Republic of Congo	Likouala
2008	Republic of Congo	Pool
2006	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Pool
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2008	Republic of Congo	Pool
2008	Republic of Congo	Pool
2008	Republic of Congo	Pool
2006	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2006	Republic of Congo	Likouala
2008	Republic of Congo	Pool
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2008	Republic of Congo	Pool
2008	Republic of Congo	Pool

2006	Republic of Congo	Likouala
2006	Republic of Congo	Likouala
2006	Republic of Congo	Likouala
2002	Cameroon	Littoral Region
2006	Republic of Congo	Likouala
2006	Republic of Congo	Likouala
2006	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2006	Republic of Congo	Likouala
2006	Republic of Congo	Likouala
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
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2006	Nigeria	Cross River
1997	Republic of Congo	
1997	Republic of Congo	
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1997	Republic of Congo	
1997	Republic of Congo	
2016	Ghana	
2004	Cameroon	West
2004	Cameroon	West
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2006	Cameroon	West
2006	Cameroon	Southwest
2006	Cameroon	Southwest
2006	Cameroon	Southwest
2006	Cameroon	West
2006	Cameroon	West
2012	Côte d'Ivoire	Montagnes
2011	Liberia	
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2016	Ghana	
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2016	Ghana	
1988	Liberia	Sinoe
1988	Liberia	Sinoe
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1988	Liberia	Sinoe
2002	Guinea	
2005	Liberia	
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2003	Ghana		
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2003	Guinea		
2002	Côte d'Ivoire		
2002	Côte d'Ivoire		
2002	Guinea		
2002	Guinea		
2006	Cameroon		
2013	Republic of Congo	Niari	
2017	Gabon	Ngounie	
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2013	Gabon	OgoouÃ©-Ivindo	
2010	Côte d'Ivoire	Montagnes	
2011	Liberia		
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2005	Liberia	
2002	Guinea	
2002	Côte d'Ivoire	
2002	Guinea	
2010	Ghana	Western
2010	Liberia	GrandGedeh
2012	Ghana	Central
2019	Côte d'Ivoire	ComoÃ©
2006	Ghana	Eastern
2006	Ghana	Western
2016	Ghana	
2016	Ghana	
2016	Ghana	
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2016	Ghana	
1988	Liberia	Sinoe
2011	Ghana	
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2011	Ghana	
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2011	Ghana	
2011	Ghana	
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2005	Ghana	Volta Region
2005	Ghana	Volta Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region
2012	Côte d'Ivoire	Montagnes
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
2016	Ghana	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2003	Ghana	
2003	Ghana	
2003	Ghana	
2002	Côte d'Ivoire	
2002	Côte d'Ivoire	
2019	Nigeria	Cross River
2019	Nigeria	Cross River
2019	Nigeria	Cross River
2019	Nigeria	Cross River
2019	Nigeria	Cross River
2019	Nigeria	Cross River
2019	Nigeria	Cross River
2019	Nigeria	Cross River
	Nigeria	
	Nigeria	
	Nigeria	
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	
2010	Republic of Congo	

2010	Republic of Congo	Lekoumou
2011	Gabon	Haut-OgoouÃ©
2011	Gabon	Haut-OgoouÃ©
2011	Gabon	Haut-OgoouÃ©
2011	Gabon	Haut-OgoouÃ©
2011	Gabon	Haut-OgoouÃ©
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2011	Gabon	Haut-OgoouÃ©
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2011	Gabon	Haut-OgoouÃ©
2011	Gabon	Haut-OgoouÃ©
2011	Gabon	Haut-OgoouÃ©
2011	Gabon	Haut-OgoouÃ©
2017	Gabon	Ngounie
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	South Region
2002	Cameroon	South Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	South Region
2002	Cameroon	South Region
2002	Cameroon	South Region
2002	Cameroon	Littoral Region
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2005	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Nigeria	Cross River
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region

2006	Nigeria	Cross River
2002	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2002	Nigeria	Cross River
2002	Nigeria	Cross River
2002	Nigeria	Cross River
2006	Nigeria	Cross River
2005	Cameroon	
2005	Cameroon	
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2006	Cameroon	
2006	Cameroon	
2005	Cameroon	
2005	Cameroon	
2005	Cameroon	
2009	Nigeria	Taraba
2009	Nigeria	Taraba
2006	Cameroon	Northwest
2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	West
2006	Cameroon	Northwest
2006	Cameroon	Northwest
2006	Cameroon	Northwest
2006	Cameroon	Northwest
2006	Cameroon	Northwest

2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
2006	Cameroon	Southwest	
1984	Sierra Leone	Northern	Bombali
2002	Guinea		
2002	Guinea		
2002	Guinea		
2002	Guinea		
2002	Guinea		
2003	Ghana		
2003	Ghana		
2002	Guinea		
2002	Guinea		
2002	Guinea		
2018	Sierra Leone	Southern	
2011	Liberia		
2011	Ghana		
2011	Ghana		
2005	Liberia		
2005	Liberia		
2005	Liberia		
2005	Liberia		
2005	Liberia		
2005	Liberia		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2003	Guinea		
2002	Côte d'Ivoire		
2002	Côte d'Ivoire		
2005	Liberia		
2005	Guinea		
2005	Guinea		
2005	Guinea		

2005	Guinea	
2005	Guinea	
1988	Liberia	Sinoe
1988	Liberia	Sinoe
1988	Liberia	Sinoe
2002	Côte d'Ivoire	
2002	Côte d'Ivoire	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2013	Cameroon	Nord-Ouest Region
2013	Cameroon	Nord-Ouest Region
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	West
2010	Liberia	Sinoe
2006	Benin	Donga
2017	Gabon	Ngounie
2002	Cameroon	South Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
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2016	Ghana	
2016	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2004	Ghana	Western Region
2004	Ghana	Western Region
2004	Ghana	Western Region

2012	Cameroon	Sud
2012	Cameroon	Littoral
2011	Cameroon	Est
2012	Cameroon	Littoral
2003	Equatorial Guinea	Provincia Litoral
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Litoral
2003	Equatorial Guinea	Provincia Litoral
2003	Equatorial Guinea	Provincia Litoral
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Litoral
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Litoral
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region

1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
2002	Gabon	
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
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2019	Democratic Republic of the Congo	Tshopo
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2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	Haut-OgoouÃ©
2013	Gabon	OgoouÃ©-Ivindo
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2003	Ghana	
2003	Ghana	

2003	Ghana	
2002	Côte d'Ivoire	
2002	Côte d'Ivoire	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2005	Liberia	
2002	Guinea	
2002	Guinea	
2002	Guinea	
2002	Guinea	
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2002	Guinea	
2009	Democratic Republic of the Congo	Ituri
2003	Benin	Donga
2011	Liberia	
2018	Ghana	Ashanti
2018	Ghana	Ashanti
2018	Ghana	Ashanti
2016	Ghana	
2016	Ghana	
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2016	Ghana	
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2016	Ghana	
2016	Ghana	
1988	Liberia	Sinoe
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region
2006	Ghana	Eastern Region

2006		Ghana	Eastern Region	
2006		Ghana	Eastern Region	
2006		Ghana	Eastern Region	
2004		Ghana	Western Region	
2004		Ghana	Western Region	
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2004		Ghana	Western Region	
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2004		Ghana	Western Region	
2004		Ghana	Western Region	
2004		Ghana	Western Region	
2004		Ghana	Western Region	
1998		Ghana	Eastern Region	
1981		Ghana	Upper West Region	
1981		Ghana	Upper West Region	
2007		Nigeria		
2016		Ghana		
2016		Ghana		
2003		Ghana		
2003		Ghana		
2003		Ghana		
2002		Côte d'Ivoire		
2002		Côte d'Ivoire		
2005		Liberia		
2005		Liberia		
	2019	Nigeria	Taraba	
	2019	Nigeria	Taraba	
2004		Democratic Republic of the Congo		
2010		Republic of Congo	Kouilou	Hinda
2008		Republic of Congo	Pool	
2010		Republic of Congo	Kouilou	Hinda
2012		Republic of Congo	Niari	
2019		Cameroon	Centre	
2017		Republic of Congo	Kouilou	Pointe Noire
2017		Republic of Congo	Kouilou	Pointe Noire
2010		Republic of Congo	Kouilou	Hinda
2008		Republic of Congo	Pool	
2008		Republic of Congo	Pool	
2010		Republic of Congo	Kouilou	Hinda
2006		Republic of Congo	Likouala	
2005		Republic of Congo	Likouala	
2006		Republic of Congo	Likouala	
2006		Republic of Congo	Likouala	
2006		Republic of Congo	Likouala	

2015	Gabon	Moyen-OgoouÃ©
2015	Gabon	Ogooue-Lolo Prov.
2015	Gabon	Ogooue-Lolo Prov.
2015	Gabon	Ogooue-Lolo Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
2016	Democratic Republic of the Congo	Tshopo
2013	Gabon	Haut-OgoouÃ©
2013	Gabon	Haut-OgoouÃ©
1997	Republic of Congo	
1997	Republic of Congo	
2016	Democratic Republic of the Congo	Tshopo
2018	Guinea	Basse GuinÃ©e
1988	Liberia	Sinoe
2004	Ghana	Western Region
2004	Ghana	Western Region
2005	Liberia	
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2006	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
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2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
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2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2006	Republic of Congo	Likouala
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2010	Republic of Congo	Lekoumou
2006	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
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2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala

2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2006	Republic of Congo	Likouala
1998	Equatorial Guinea	
1998	Equatorial Guinea	
1998	Equatorial Guinea	
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1998	Equatorial Guinea	
1998	Equatorial Guinea	
1998	Equatorial Guinea	
1998	Equatorial Guinea	
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
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2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2006	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2002	Cameroon	Littoral Region
2010	Republic of Congo	Lekoumou
2002	Cameroon	Littoral Region
2010	Republic of Congo	Lekoumou
2006	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2002	Cameroon	Littoral Region
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2002	Cameroon	Centre
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2005	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou

2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2013	Gabon	OgoouÃ©-Ivindo
2010	Gabon	OgoouÃ©-Ivindo
2010	Gabon	OgoouÃ©-Ivindo
2009	Gabon	OgoouÃ©-Ivindo
2010	Gabon	OgoouÃ©-Ivindo
2014	Democratic Republic of the Congo	Sud-Kivu
2003	Equatorial Guinea	Provincia Wele-Nzas
2002	Equatorial Guinea	Centro Sur
2013	Gabon	Moyen-Ogooue Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.

1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1994	Cameroon	Est Region
1981	Cameroon	Sud Region
1997	Republic of Congo	
1997	Republic of Congo	
2004	Cameroon	Southwest
1997	Republic of Congo	
1997	Republic of Congo	
1997	Republic of Congo	
1997	Republic of Congo	
2004	Democratic Republic of the Congo	
2017	Gabon	Ngounie
2013	Gabon	Moyen-OgoouÃ©
2012	Republic of Congo	Niari
2020	Republic of Congo	Sangha

2015	Cameroon	Littoral	
2006	Nigeria	Cross River	
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2010	Republic of Congo		
2008	Republic of Congo		
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2006	Republic of Congo		
2010	Republic of Congo		
2008	Republic of Congo		
2006	Republic of Congo		
2013	Cameroon	Sud-Ouest	
2018	Democratic Republic of the Congo	Ã‰quateur	
2015	Cameroon	Southwest Region	Ndian Divisi
2001	Nigeria	Cross River	
2006	Nigeria	Cross River	
2013	Cameroon	Sud-Ouest	
2014	Democratic Republic of the Congo	Tshopo	
2014	Democratic Republic of the Congo	Tshopo	
2017	Democratic Republic of the Congo	Ituri	

2009	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Sankuru
2013	Democratic Republic of the Congo	North Kivu
2015	Democratic Republic of the Congo	Sankuru
2011	Democratic Republic of the Congo	South Kivu
2007	Democratic Republic of the Congo	South Kivu
2011	Democratic Republic of the Congo	South Kivu
2015	Democratic Republic of the Congo	South Kivu
2015	Democratic Republic of the Congo	Maniema
2010	Democratic Republic of the Congo	South Kivu
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
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2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala

2008	Republic of Congo	Likouala	
1998	Equatorial Guinea		
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
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2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2015	Gabon	Haut-OgoouÃ©	
2013	Gabon	OgoouÃ©-Ivindo	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	OgoouÃ©-Lolo	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2013	Gabon	Haut-OgoouÃ©	
2009	Gabon	OgoouÃ©-Ivindo	
2004	Cameroon	Littoral	
1997	Republic of Congo		
1997	Republic of Congo		
1997	Republic of Congo		
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.

2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Haut-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2015	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
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2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Gabon	Moyen-Ogooue Prov.
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
2013	Cameroon	Est Region
1998	Equatorial Guinea	Bioko Norte Prov.
2002	Gabon	
2002	Gabon	
2002	Gabon	
2004	Democratic Republic of the Congo	
2012	Republic of Congo	Niari
2008	Republic of Congo	
2008	Republic of Congo	
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2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2008	Republic of Congo		
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ogooue-Lolo	
2017	Republic of Congo	Kouilou	Pointe Noire
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
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2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	
2016	Democratic Republic of the Congo	Tshopo	

2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2019	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
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2016	Democratic Republic of the Congo	Tshopo
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2016	Democratic Republic of the Congo	Tshopo
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2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2016	Democratic Republic of the Congo	Tshopo
2009	Democratic Republic of the Congo	Ituri
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
1988	Liberia	Sinoe

1988	Liberia	Sinoe
1988	Liberia	Sinoe
1988	Liberia	Sinoe
1988	Liberia	Sinoe
1988	Liberia	Sinoe
1988	Liberia	Sinoe
1988	Liberia	Sinoe
1988	Liberia	Sinoe
1988	Liberia	Sinoe
2004	Democratic Republic of the Congo	
2003	Equatorial Guinea	Provincia Wele-Nzas
2003	Equatorial Guinea	Provincia Wele-Nzas
2009	Democratic Republic of the Congo	Ituri
2009	Democratic Republic of the Congo	Ituri
2014	Democratic Republic of the Congo	Tsopo
2014	Democratic Republic of the Congo	Tsopo
2014	Democratic Republic of the Congo	Tsopo
2019	Democratic Republic of the Congo	Tshopo
2013	Democratic Republic of the Congo	Bas-UÃ©lÃ©
2013	Democratic Republic of the Congo	Bas-UÃ©lÃ©
2014	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Ituri
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2019	Nigeria	Ondo State
2002	Cameroon	South Region
2002	Cameroon	Centre
2000	Cameroon	Littoral Region

1988	Liberia	Sinoe
1982	Cameroon	
1980	Cameroon	Est Region
2005	Liberia	
2005	Liberia	
2002	Guinea	
2020	Nigeria	Cross River
2014	Cameroon	Littoral
2016	Cameroon	Sud-Ouest
2014	Cameroon	Sud-Ouest Province
2013	Republic of Congo	Niari
2011	Liberia	
1999	Côte d'Ivoire	
2011	Liberia	
2011	Liberia	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2016	Ghana	
2011	Ghana	
2011	Ghana	
2011	Ghana	
2002	Guinea	
2005	Liberia	
2005	Liberia	
2002	Guinea	
2002	Côte d'Ivoire	
2002	Côte d'Ivoire	
2002	Guinea	
2002	Guinea	
1980	Côte d'Ivoire	Montagnes
2012	Liberia	
2013	Republic of Congo	Niari
1991	Cameroon	Sud-Ouest
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	
2010	Republic of Congo	

2017	Cameroon	Sud-Ouest
2007	Equatorial Guinea	Bioko Sur
2016	Gabon	Estuaire
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Tshopo
2014	Democratic Republic of the Congo	Tshopo
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri
2015	Democratic Republic of the Congo	Ituri
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2013	Equatorial Guinea	
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2002	Cameroon	Littoral Region
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2002	Gabon	
2004	Cameroon	Southwest
2004	Cameroon	Southwest
2002	Cameroon	Littoral Region
2009	Nigeria	Taraba
2009	Nigeria	Taraba
2009	Nigeria	Taraba
2009	Nigeria	Taraba
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2015	Cameroon	Littoral
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River

2006	Nigeria	Cross River	
2010	Republic of Congo		
2010	Republic of Congo		
2018	Cameroon		
2018	Cameroon		
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2018	Cameroon		
2018	Cameroon		
2018	Cameroon		
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ngounie	
2017	Gabon	Ogooue-Lolo	
2017	Gabon	Ogooue-Lolo	
2016	Cameroon	Centre Region	
2016	Cameroon	Centre Region	
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.

2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2015	Cameroon	Sud-Ouest Region	Ndian Div.
2002	Cameroon	South Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	South Region	
2002	Cameroon	Centre	
2002	Cameroon	Littoral Region	
2010	Republic of Congo	Lekoumou	
2002	Cameroon	Littoral Region	
2002	Cameroon	Centre	
2002	Cameroon	Centre	
2002	Cameroon	South Region	
2002	Cameroon	South Region	
2002	Cameroon	South Region	
2002	Cameroon	Littoral Region	
2002	Cameroon	Littoral Region	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Gabon	Moyen-OgoouÃ©	
2015	Gabon	Moyen-OgoouÃ©	
2015	Gabon	Moyen-OgoouÃ©	
2015	Gabon	NgouniÃ©	
2014	Cameroon	Centre Region	
2014	Cameroon	Centre Region	
2014	Cameroon	Sud-Ouest Region	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Haut-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	

2015	Gabon	Moyen-Ogooue Prov.
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2000	Nigeria	Cross River
2000	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2006	Nigeria	Cross River
2012	Cameroon	Sud
2012	Cameroon	Sud
2012	Cameroon	Sud-Ouest
2012	Cameroon	Sud
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2014	Cameroon	Littoral Region
2002	Equatorial Guinea	Centro Sur
2002	Equatorial Guinea	Centro Sur
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Littoral Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
2013	Cameroon	Sud-Ouest Region
1981	Cameroon	Sud Region

2013		Gabon	OgoouÃ©-Ivindo
2013		Gabon	OgoouÃ©-Ivindo
2013		Gabon	OgoouÃ©-Ivindo
2004		Cameroon	Southwest
2009		Gabon	Estuaire
2009		Gabon	Estuaire
2009		Gabon	Estuaire
2009		Gabon	Estuaire
2009		Gabon	Estuaire
2009		Gabon	Woleu-Ntem
2009		Gabon	Woleu-Ntem
2004		Cameroon	Southwest
2004		Cameroon	Southwest
2004		Cameroon	Southwest
2004		Cameroon	Southwest
2004		Cameroon	Southwest
2004		Cameroon	Southwest
2009		Gabon	Woleu-Ntem
2004		Cameroon	Southwest
2006		Cameroon	West
2004		Cameroon	West
2006		Cameroon	Northwest
2006		Cameroon	West
2001		Gabon	
2003		Cameroon	Littoral Region
2003		Cameroon	Littoral Region
2004		Cameroon	Littoral Region
2004		Cameroon	Littoral Region
2004		Cameroon	Littoral Region
2006		Cameroon	
		Nigeria	
		Nigeria	
1984		Cameroon	Sud-Ouest Region
1984		Cameroon	Sud-Ouest Region
1984		Cameroon	Sud-Ouest
	2004	Cameroon	
2006		Cameroon	
2006		Cameroon	
1984		Cameroon	Sud-Ouest
2006		Cameroon	Southwest
2006		Cameroon	Southwest
2006		Cameroon	Northwest
2006		Cameroon	Northwest
2004		Cameroon	West
2006		Cameroon	West

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2004	Cameroon	West
2004	Cameroon	West
2004	Cameroon	West
2004	Cameroon	West
2004	Cameroon	West
2004	Cameroon	West
2006	Cameroon	Northwest
2006	Cameroon	West
2004	Cameroon	West
2018		Sud-Ouest
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
2002	Cameroon	Littoral Region
1983	Cameroon	Sud-Ouest Region
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
2006	Cameroon	
1983	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
1984	Cameroon	Sud-Ouest
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou
2010	Republic of Congo	Lekoumou

2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2010	Republic of Congo	Lekoumou	
2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
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1998	Equatorial Guinea		
2008	Republic of Congo		
2010	Republic of Congo		
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2013	Gabon		
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2008	Republic of Congo		
2010	Republic of Congo		
2013	Gabon		
2010	Republic of Congo		
2008	Republic of Congo		
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	

2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2008	Republic of Congo	Likouala	
2008	Republic of Congo	Likouala	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2010	Republic of Congo	Lekoumou	
2013	Gabon	Nyanga	Basse-Banio
2010	Republic of Congo	Lekoumou	
2015	Equatorial Guinea	Bioko Sur Prov.	
2015	Equatorial Guinea	Bioko Sur Prov.	
2015	Equatorial Guinea	Bioko Sur Prov.	
2015	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
2011	Equatorial Guinea		
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2011	Equatorial Guinea	
1990	Cameroon	
1990	Cameroon	
1990	Cameroon	
1990	Cameroon	
1990	Cameroon	
1990	Cameroon	
1990	Cameroon	
2006	Cameroon	Southwest
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	Likouala
2008	Republic of Congo	
2008	Republic of Congo	
2008	Republic of Congo	Likouala
1998	Equatorial Guinea	
1998	Equatorial Guinea	
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1998	Equatorial Guinea	
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1998	Equatorial Guinea	
1998	Equatorial Guinea	
1998	Equatorial Guinea	
1998	Equatorial Guinea	
1998	Equatorial Guinea	
2018	Cameroon	Sud-Ouest
2015	Equatorial Guinea	Bioko Sur Prov.
2015	Equatorial Guinea	Bioko Sur Prov.
2015	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.
1998	Equatorial Guinea	Bioko Sur Prov.

1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Norte Prov.	
1998	Equatorial Guinea	Bioko Norte Prov.	
1998	Equatorial Guinea	Bioko Norte Prov.	
1998	Equatorial Guinea	Bioko Norte Prov.	
1998	Equatorial Guinea	Bioko Norte Prov.	
2011	Cameroon		
2011	Cameroon		
2011	Cameroon		
2011	Cameroon		
2011	Cameroon		
2011	Cameroon		
2011	Cameroon		
2006	Cameroon	Northwest	
2006	Cameroon	Northwest	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
1998	Equatorial Guinea		
2002	Cameroon	South Region	
2002	Cameroon	South Region	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
2015	Gabon	Moyen-Ogooue Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
1998	Equatorial Guinea	Bioko Sur Prov.	
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1998	Equatorial Guinea	Bioko Sur Prov.
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
1994	Democratic Republic of the Congo	Haut-Zaire Prov.
2002	Gabon	
2002	Gabon	
2006	Central African Republic	
2016	Ghana	
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1984	Cameroon	Sud-Ouest	
1983	Cameroon	Sud-Ouest	
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2006	Democratic Republic of the Congo		
2008	Democratic Republic of the Congo	South Kivu	
2008	Democratic Republic of the Congo	South Kivu	
2008	Democratic Republic of the Congo	South Kivu	
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2006	Democratic Republic of the Congo	Sud-Kivu	
2006	Democratic Republic of the Congo	Sud-Kivu	
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2006	Democratic Republic of the Congo		
2006	Democratic Republic of the Congo		
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2006	Democratic Republic of the Congo		
2013	Cameroon	Ouest Region	
2013	Cameroon	Ouest Region	
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2011	Cameroon	Centre	Haute-Sanag
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2009	Democratic Republic of the Congo	Orientale	
2009	Democratic Republic of the Congo	Orientale	
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2013	Republic of Congo	Niari
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2013	Democratic Republic of the Congo	Kinshasa City	
2013	Democratic Republic of the Congo	Kinshasa City	
2013	Democratic Republic of the Congo	Kinshasa City	
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Pointe Noire
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2017	Republic of Congo	Kouilou	Mvouti
2002	Gabon		
2002	Gabon		

2013	Republic of Congo	Niari	
2013	Republic of Congo	Niari	
2013	Republic of Congo	Niari	
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
2015	Cameroon	Southwest Region	Ndian Divisi
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2015	Cameroon	Southwest Region	Ndian Divisi
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2015	Cameroon	Southwest Region	Ndian Divisi
2013	Cameroon	Sud Region	
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2011	Cameroon	Centre Region	
1981	Cameroon	Sud Region	
1981	Cameroon	Sud Region	
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locality	Latitude	Longitude	gbifID	identifier	institution ID
	5,83333	-7,33333	1830938534	http://id.smns-bw.org/smns/collection/17862/461258/41	
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	5,83333	-7,33333	1830938446	http://id.smns-bw.org/smns/collection/17859/461255/41	
Krokosua Hi	6,617	-2,85	196998384	196998384	
Cavally	6,174	-7,788	196997356	196997356	
Haute Dodo	4,9	-7,316	196997355	196997355	
	-2,797351	20,362539	1847570924	12672018	
Nyasoso	4,83	9,68	1318808559	http://n2t.net/ark:/65665/34701b3	http://biocol.org/urn:l
Nyasoso	4,83	9,68	1318516995	http://n2t.net/ark:/65665/33a23d9	http://biocol.org/urn:l
Nyasoso	4,83	9,68	1318310769	http://n2t.net/ark:/65665/33104fd	http://biocol.org/urn:l
Mabali	-0,883333	18,133333	462396874	faf30718-8507-420b-ba16-e35b84b5e0c6	
Mabali	-0,883333	18,133333	462387147	5bf248aa-5cd1-4ac4-9bf0-91d375bd15c4	
Kokolopori	-0,25	22,866667	462386949	58da8ff6-b28c-4051-8b72-6acec9498a0f	
Kokolopori	-0,25	22,866667	462382349	101c379e-c2fd-4b08-b2d5-6db616eda80c	
Lukumete	1,294	23,431	197001094	197001094	
Ituri forest	1,95737	30,03777	2027455978	d3395cea93afeecf264d9965ae953d1c34baae40	
Ituri forest	1,96356	30,03868	2027455974	6d3460e429615d6d50f0eb013f536d11876fc5c3	
Yahuma	0,76757	24,49294	2027455679	029d7096a09f4f083cbfc69672dcd50e5f3afacc	
Lukumete	1,294	23,431	197001098	197001098	
Lothi	0,928	23,541	197001097	197001097	
Lobolo	0,915	23,455	197001096	197001096	
Lokutu Villa	1,145	23,615	197001093	197001093	
PK 45 villag	-3,98847	15,3878	3028131646	http://n2t.net/ark:/65665/3ef64617	http://grbio.org/cool/1
PK 45 villag	-3,89731	15,3693	3028129908	http://n2t.net/ark:/65665/3d5e5a91	http://grbio.org/cool/1
PK 45 villag	-3,98917	15,3868	3028125580	http://n2t.net/ark:/65665/3d05c8d	http://grbio.org/cool/1
PK 45 villag	-3,98217	15,3836	3028100777	http://n2t.net/ark:/65665/3803bd7	http://grbio.org/cool/1
PK 45 villag	-3,98856	15,3878	3028070893	http://n2t.net/ark:/65665/32ec089	http://grbio.org/cool/1
PK 45 villag	-3,98844	15,3879	3028069710	http://n2t.net/ark:/65665/327bf421	http://grbio.org/cool/1
PK 45 villag	-3,98928	15,3867	3028054795	http://n2t.net/ark:/65665/30e1d98	http://grbio.org/cool/1
PK 45 villag	-3,9885	15,3878	3028047535	http://n2t.net/ark:/65665/3ee328f6	http://grbio.org/cool/1
PK 45 villag	-3,98844	15,3879	3028046185	http://n2t.net/ark:/65665/3faeff5ee	http://grbio.org/cool/1
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	0,75952	15,25673	2563464390	33469372	
Ivindo Natio	0,51121	12,8028	2549496055	http://n2t.net/ark:/65665/379144a	http://biocol.org/urn:l
Ivindo Natio	0,51121	12,8028	2549481998	http://n2t.net/ark:/65665/332f91a1	http://biocol.org/urn:l
Ivindo Natio	0,51121	12,8028	2549473323	http://n2t.net/ark:/65665/307df43	http://biocol.org/urn:l
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Republic of	-3,99	15,39	2310186046	KY079924	
Republic of	-3,99	15,39	2310060141	KY079926	
Republic of	-3,98	15,38	2310057330	KY079927	
Republic of	-3,9	15,37	2308767002	KY079920	
Republic of	-3,99	15,39	2308529705	KY079925	
Republic of	-3,98	15,38	2308330881	KY079928	
Republic of	-3,99	15,39	2306604565	KY079400	
Republic of	-3,99	15,39	2305493781	KY079402	
Republic of	-3,98	15,38	2304597449	KY079403	
Republic of	-3,99	15,39	2304267852	KY079401	
Republic of	-3,98	15,38	2304123640	KY079404	
Zuawolota, I	7,05624	-10,31022	2147657075	http://arctos.database.museum/gui	UWBM
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Ivindo Natio	0,51121	12,80278	1852456936	4de35669-5381-11e6-9649-a4a344	http://grbio.org/cool/
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Ivindo Natio	0,51121	12,80278	1852454544	4dc40831-5381-11e6-9649-a4a344	http://grbio.org/cool/
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PK 45 villag	-3,89731	15,3693	1456275706	http://n2t.net/ark:/65665/39eb02d	http://biocol.org/urn:l
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PK 45 villag	-3,97694	15,3821	1456067067	http://n2t.net/ark:/65665/33d3447	http://biocol.org/urn:l
Ankasa Resc	5,26405	-2,6455	1337840901	MCZ:Herp:A-150825	b4640710-8e03-11d8-
Ankasa Resc	5,26405	-2,6455	1337840883	MCZ:Herp:A-150826	b4640710-8e03-11d8-
Shai Hills P	5,87475	0,05258	1145558333	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,32511	0,55622	1145558279	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,25754	0,50851	1145557908	http://arctos.database.museum/gui	MVZ
Shai Hills P	5,87475	0,05258	1145557901	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145557900	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,32511	0,55622	1145557892	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,25754	0,50851	1145557886	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,25754	0,50851	1145557885	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,25754	0,50851	1145557879	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,25754	0,50851	1145557857	http://arctos.database.museum/gui	MVZ

Togo Hills,	8,25754	0,50851	1145557842	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,25754	0,50851	1145557831	http://arctos.database.museum/gui	MVZ
15 km E of	2,96625	12,0816	1145546508	http://arctos.database.museum/gui	MVZ
Ndop	6,0674	10,458067	1145546488	http://arctos.database.museum/gui	MVZ
15 km E of	2,96625	12,0816	1145546465	http://arctos.database.museum/gui	MVZ
3 km N of S	2,978617	11,87185	1145546430	http://arctos.database.museum/gui	MVZ
Ndop	6,0674	10,458067	1145546412	http://arctos.database.museum/gui	MVZ
Bamenda, M	5,926364	10,125536	1062024860	urn:catalog:CAS:HERP:256922	CAS
Bamenda, M	5,92765	10,128592	1062024855	urn:catalog:CAS:HERP:256947	CAS
Bamenda, M	5,92765	10,128592	1062024838	urn:catalog:CAS:HERP:256946	CAS
Bamenda, M	5,926364	10,125536	1062024810	urn:catalog:CAS:HERP:256921	CAS
Bamenda, N	5,935278	10,128056	890184501	urn:catalog:CAS:HERP:253641	CAS
Bamenda, N	5,935278	10,128056	890184484	urn:catalog:CAS:HERP:253642	CAS
Bamenda, N	5,935278	10,128056	890184294	urn:catalog:CAS:HERP:253640	CAS
Roadside fis	5,10863	10,61671	890183726	urn:catalog:CAS:HERP:254268	CAS
Bangangte,	5,15301	10,53249	890183702	urn:catalog:CAS:HERP:254216	CAS
Bangangte,	5,15301	10,53249	890183667	urn:catalog:CAS:HERP:254215	CAS
Bangangte,	5,15301	10,53249	890183645	urn:catalog:CAS:HERP:254218	CAS
Bangangte,	5,15301	10,53249	890183638	urn:catalog:CAS:HERP:254217	CAS
Roadside fis	5,10863	10,61671	890183634	urn:catalog:CAS:HERP:254270	CAS
Roadside fis	5,10863	10,61671	890183617	urn:catalog:CAS:HERP:254269	CAS
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Bamenda, N	5,935278	10,128056	890183199	urn:catalog:CAS:HERP:253639	CAS
Bamenda, N	5,935278	10,128056	890183186	urn:catalog:CAS:HERP:253638	CAS
Bamenda, N	5,935278	10,128056	890183174	urn:catalog:CAS:HERP:253637	CAS
Bamenda, N	5,935278	10,128056	890183162	urn:catalog:CAS:HERP:253636	CAS
Bamenda, N	5,935278	10,128056	890183151	urn:catalog:CAS:HERP:253635	CAS
Bamenda, N	5,935278	10,128056	890183139	urn:catalog:CAS:HERP:253634	CAS
Sangmelima	2,939939	11,976331	890183034	urn:catalog:CAS:HERP:253467	CAS
Sangmelima	2,939939	11,976331	890183022	urn:catalog:CAS:HERP:253464	CAS
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Sangmelima	2,939939	11,976331	890182973	urn:catalog:CAS:HERP:253468	CAS
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Yaounde, Ur	3,859161	11,4952	890182901	urn:catalog:CAS:HERP:253274	CAS
Ngoyla, 2 3	2,594611	14,028269	890182845	urn:catalog:CAS:HERP:253395	CAS
Ngoyla, 2 3	2,594611	14,028269	890182837	urn:catalog:CAS:HERP:253394	CAS
Ngoyla, 2 3	2,594611	14,028269	890182830	urn:catalog:CAS:HERP:253393	CAS
Ngoyla, 2 3	2,594611	14,028269	890182821	urn:catalog:CAS:HERP:253392	CAS
Yaounde, Ur	3,859161	11,4952	890182730	urn:catalog:CAS:HERP:253282	CAS
Yaounde, Ur	3,859161	11,4952	890182726	urn:catalog:CAS:HERP:253281	CAS
Yaounde, Ur	3,859161	11,4952	890182723	urn:catalog:CAS:HERP:253280	CAS

Yaounde, Ur	3,859161	11,4952	890182719	urn:catalog:CAS:HERP:253279	CAS
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Yaounde, Ur	3,859161	11,4952	890182713	urn:catalog:CAS:HERP:253276	CAS
Yaounde, Ur	3,859161	11,4952	890182712	urn:catalog:CAS:HERP:253275	CAS
Yaounde, Ur	3,85955	11,495633	699101679	MCZ:Herp:A-148023	b4640710-8e03-11d8-
Yaounde, Ur	3,85955	11,495633	699101678	MCZ:Herp:A-148025	b4640710-8e03-11d8-
Yaounde, Ur	3,85955	11,495633	699101677	MCZ:Herp:A-148024	b4640710-8e03-11d8-
~5 km. east	6,548617	10,759983	699101675	MCZ:Herp:A-148086	b4640710-8e03-11d8-
~5 km. east	6,548617	10,759983	699101674	MCZ:Herp:A-148085	b4640710-8e03-11d8-
vicinity of st	11,307222	-12,330833	687012417	b0979830-b069-11e3-8cfe-90b11c	http://grbio.org/cool/
stream crossi	11,342778	-12,336944	687009421	c3d9d398-b069-11e3-8cfe-90b11c4	http://grbio.org/cool/
stream crossi	11,342778	-12,336944	686998162	c3b96921-b069-11e3-8cfe-90b11c4	http://grbio.org/cool/
vicinity of st	11,307222	-12,330833	686694748	b07f0985-b069-11e3-8cfe-90b11c4	http://grbio.org/cool/
stream crossi	11,342778	-12,336944	686693851	c449ff7f-b069-11e3-8cfe-90b11c41	http://grbio.org/cool/
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vicinity of st	11,307222	-12,330833	686685385	b079adb6-b069-11e3-8cfe-90b11c4	http://grbio.org/cool/
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stream crossi	11,342778	-12,336944	686680458	b0a0abda-b069-11e3-8cfe-90b11c4	http://grbio.org/cool/
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Lower Bafut	6,169283	10,074567	543607855	urn:catalog:CAS:HERP:250033	CAS
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Lake Mont N	5,5519	10,70485	543607820	urn:catalog:CAS:HERP:250001	CAS
Ngindom Co	5,5703	10,609733	543607814	urn:catalog:CAS:HERP:249999	CAS
05 06 31.98	5,108883	10,615867	543607810	urn:catalog:CAS:HERP:249995	CAS
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Yaounde, Ur	3,85955	11,495633	543607769	urn:catalog:CAS:HERP:249958	CAS
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Yaounde, Ur	3,85955	11,495633	543607765	urn:catalog:CAS:HERP:249954	CAS
Yaounde, Ur	3,85955	11,495633	543607764	urn:catalog:CAS:HERP:249953	CAS
Yaounde, Ur	3,85955	11,495633	543607763	urn:catalog:CAS:HERP:249952	CAS
Yaounde, Ur	3,85955	11,495633	543607762	urn:catalog:CAS:HERP:249951	CAS
Yaounde, Ur	3,85955	11,495633	543607761	urn:catalog:CAS:HERP:249950	CAS
Obang, 06 1	6,23065	10,051083	543607685	urn:catalog:CAS:HERP:249882	CAS
Dja Reserve,	3,190556	12,811667	543551379	urn:catalog:CAS:HERP:199206	CAS
Dja Reserve,	3,190556	12,811667	543551378	urn:catalog:CAS:HERP:199205	CAS
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Dja Reserve,	3,190556	12,811667	543551375	urn:catalog:CAS:HERP:199202	CAS

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Dja Reserve,	3,190556	12,811667	543551373	urn:catalog:CAS:HERP:199200	CAS
Dja Reserve,	3,190556	12,811667	543551370	urn:catalog:CAS:HERP:199199	CAS
Ivindo Natio	0,51121	12,80278	476596586	MCZ:Herp:A-139760	b4640710-8e03-11d8-
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Mabali	-0,883333	18,133333	462396744	f8d76bdb-ec57-4e1b-9d9b-435128f6d0dc	
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Mabali	-0,883333	18,133333	462382946	1a3b21c8-38b3-4cc9-9b00-7cde0d17b676	
Mabali	-0,883333	18,133333	462382572	140274a1-ebee-42fe-a132-5687fdcd2e00	
Mabali	-0,883333	18,133333	462382117	0c6af5e7-11ee-4e77-9d31-79166ce0fe04	
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Mabali	-0,883333	18,133333	462381354	002e0a51-df07-4dc0-a36e-cec86c32ca83	
	9,3	13,4	3025944081	https://darwin.naturalsciences.be/u	https://www.wikidata
Aur Afrique,	5,078611	20,667222	2846170330	2277592a-1144-48b9-90d5-3fde7d	urn:lsid:biocol.org:co
Gatiko wetla	5,078611	20,667222	2846155118	465bbf8d-ee44-4991-86c2-becfee6	urn:lsid:biocol.org:co
Gatiko wetla	5,078611	20,667222	2846150257	d7ae3fee-4f76-4599-b4ea-f298775	urn:lsid:biocol.org:co
Site 2	8,555	-8,98	197001057	197001057	
Site 1	8,531	-8,906	197000103	197000103	
Dschang, La	5,45045	10,06705	1656644339	urn:catalog:CAS:HERP:261220	CAS
Dschang, La	5,45045	10,06705	1656644317	urn:catalog:CAS:HERP:261218	CAS
Dschang, La	5,45045	10,06705	1656644273	urn:catalog:CAS:HERP:261219	CAS

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Ituri forest	1,9723	30,0349	2027456040	03dc98d256518df38ab93ac63f3ad36700c35c49	
Ituri forest	1,9723	30,0349	2027455962	c48cf3694a770fd3fa6fcdad10af69ec329ed65b	
Ituri forest	1,9723	30,0349	2027455953	7a0dd45a075aa8929a588820c20aab9adc15e623	
	3,165017	29,554717	1325738931	urn:catalog:SANBI:GD019A:5030	
	3,165017	29,554717	1325736398	urn:catalog:SANBI:GD016A:5031	
Kon-Yambet	4,832611	11,061639	1656644211	urn:catalog:CAS:HERP:261146	CAS
Kon-Yambet	4,832611	11,061639	1656644205	urn:catalog:CAS:HERP:261145	CAS
Ebolowa	2,912833	11,153	543500726	urn:catalog:CAS:HERP:153618	CAS
Forest above	4,991	9,979	1899932265	9a9806cf-bc50-4fe1-9a20-30f24ca7	http://grbio.org/cool/
Bakossi Mo	5,12	9,72	1322212541	http://n2t.net/ark:/65665/3dda26b	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1321138270	http://n2t.net/ark:/65665/3ae0de01	http://biocol.org/urn:l
Bakossi Mo	5,12	9,72	1319286946	http://n2t.net/ark:/65665/35c3723	http://biocol.org/urn:l
Manengouba	4,959439	9,865061	890183348	urn:catalog:CAS:HERP:253843	CAS
Manengouba	4,959439	9,865061	890183338	urn:catalog:CAS:HERP:253841	CAS
Manengouba	4,959439	9,865061	890183331	urn:catalog:CAS:HERP:253850	CAS
Manengouba	4,959439	9,865061	890183325	urn:catalog:CAS:HERP:253844	CAS
Manengouba	4,959439	9,865061	890183229	urn:catalog:CAS:HERP:253846	CAS
Edib Village	4,96335	9,6751	890183182	urn:catalog:CAS:HERP:254101	CAS
	4,95	9,85	1830938925	http://id.smns-bw.org/smns/collection/21181/464577/42	
	4,95	9,85	1830938727	http://id.smns-bw.org/smns/collection/21182/464578/42	
	5,65123	-7,193874	2423258985	77055	
	5,299314	-4,013242	2366021034	27172576	
	5,89223	-7,314171	1880670961	73912	
Western Reg	5,2904	-2,63809	1303199904	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68441	-1,35843	1303199898	http://arctos.database.museum/gui	UWBM
Western Reg	5,2904	-2,63809	1303199892	http://arctos.database.museum/gui	UWBM
Western Reg	5,2904	-2,63809	1303199891	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199887	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303199885	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303199884	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199883	http://arctos.database.museum/gui	UWBM
Western Reg	5,2904	-2,63809	1303199881	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303199876	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199875	http://arctos.database.museum/gui	UWBM
Western Reg	5,2904	-2,63809	1303199866	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199860	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68674	-1,34644	1303199854	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199851	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68674	-1,34644	1303199849	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68674	-1,34644	1303199845	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199844	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199841	http://arctos.database.museum/gui	UWBM
Western Reg	5,2904	-2,63809	1303199838	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199836	http://arctos.database.museum/gui	UWBM

Eastern Regi	6,24246	-0,5571	1146416280	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416263	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416248	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416243	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416242	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416216	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416213	http://arctos.database.museum/gui	UWBM
Grebo Natio	5,405	-7,716	197001088	197001088	
Grebo Natio	5,401	-7,715	197001087	197001087	
Grebo Natio	5,402	-7,734	197001086	197001086	
Gola Nationa	7,456	-10,696	197001085	197001085	
Krokosua Hi	6,617	-2,85	197001034	197001034	
Cavally	6,174	-7,788	197001005	197001005	
Haute Dodo	4,9	-7,316	197001001	197001001	
	-2,316889	12,799222	2814443376	51210077	
Ivindo Natio	0,51121	12,8028	2549548095	http://n2t.net/ark:/65665/3d531d3	http://biocol.org/urn:l
Ivindo Natio	0,51121	12,8028	2549542048	http://n2t.net/ark:/65665/3bf17b0	http://biocol.org/urn:l
Ivindo Natio	0,51121	12,8028	2549499578	http://n2t.net/ark:/65665/38ac993	http://biocol.org/urn:l
Monts de Cı	0,45358	10,2781	2549494381	http://n2t.net/ark:/65665/370c93d	http://biocol.org/urn:l
Ivindo Natio	0,51121	12,8028	2549482254	http://n2t.net/ark:/65665/33418ea	http://biocol.org/urn:l
Manengouba	4,847781	9,819669	2430638733	urn:catalog:CAS:HERP:264151	CAS
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vic Moka M	3,324917	8,671139	543560621	urn:catalog:CAS:HERP:207523	CAS
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Gamba, 65 k	-3,1071	10,4549	1322480059	http://n2t.net/ark:/65665/3e974cd	http://biocol.org/urn:l
	1,129846	11,266032	1039479937	urn:uuid:c53edd35-74ee-4b47-9a0a-059bf8cafe72	
Kasongomw	-8,7279	27,85068	2234847098	http://arctos.database.museum/gui	UTEP
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Yoko Reserv	0,30344	25,27191	2579617018	a2c322aafff22fa86ac96acf0295c1904dfde79b	
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Yoko Reserv	0,29397	25,29512	2579616766	112416fb5fdfd22dfcd97fe068b229b9232ce766	
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Ogooue Rive	-2,11889	12,1293	1845058581	c172ec66-e7e6-4f9f-9d9d-6f53b6a25051	
Congo River	-2,03633	12,15113	1845058560	a3854587-854a-4d01-b70a-a006f1ce01ef	
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Congo River	-2,0876	12,13804	1845058509	597e38a0-762b-4fa4-9187-e308a811e93c	
Ogooue Rive	-2,08222	12,12813	1845058497	45893e09-db72-4f90-bda9-21d599fbe961	
Ogooue Rive	-2,11889	12,1293	1845058479	28a98622-ca16-464f-9811-2e03d291447e	
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Bambama vi	-2,54417	13,5327	3028109382	http://n2t.net/ark:/65665/38d3932	http://grbio.org/cool/1
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Fopouanga,	5,008	10,1789	1145546615	http://arctos.database.museum/gui	MVZ
	5,23791	8,28015		Lotanna Micah Nneji	Department of Zoolog
	5,23791	8,28015		Lotanna Micah Nneji	Department of Zoolog
	5,23791	8,28015		Lotanna Micah Nneji	Department of Zoolog
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Congo Rive	-2,0876	12,13804	1845058578	bd180edc-d847-4f86-acfb-1fe06a2d8ef6	
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Lebayi field	-2,66683	13,5958	3027985958	http://n2t.net/ark:/65665/34b59e3(	http://grbio.org/cool/
Bambama vi	-2,54417	13,5327	3027973842	http://n2t.net/ark:/65665/32ad011(	http://grbio.org/cool/
Bambama vi	-2,54417	13,5327	3027966723	http://n2t.net/ark:/65665/30b13db	http://grbio.org/cool/
vicinity of M	5,119211	8,859789	1324205193	urn:catalog:CAS:HERP:260158	CAS
vicinity of M	5,119211	8,859789	1324205156	urn:catalog:CAS:HERP:260159	CAS
vicinity of M	5,119211	8,859789	1324205081	urn:catalog:CAS:HERP:260157	CAS
vicinity of M	5,119211	8,859789	1324205057	urn:catalog:CAS:HERP:260156	CAS
vicinity of M	5,119211	8,859789	1324205035	urn:catalog:CAS:HERP:260155	CAS
vicinity of M	5,062889	8,847319	1324205012	urn:catalog:CAS:HERP:260122	CAS
Lebayi field	-2,66683	13,5958	1322587669	http://n2t.net/ark:/65665/3ee3772	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1321628828	http://n2t.net/ark:/65665/3c3bdcb(	http://biocol.org/urn:l
Bambama vi	-2,54417	13,5327	1321343115	http://n2t.net/ark:/65665/3b724a6(	http://biocol.org/urn:l
Bambama vi	-2,54967	13,5178	1321228761	http://n2t.net/ark:/65665/3b21023	http://biocol.org/urn:l
Bambama vi	-2,54417	13,5327	1321065619	http://n2t.net/ark:/65665/3aada06(	http://biocol.org/urn:l
Bambama vi	-2,54417	13,5327	1320796772	http://n2t.net/ark:/65665/39effbb6	http://biocol.org/urn:l
Lebayi field	-2,66683	13,5958	1320455624	http://n2t.net/ark:/65665/38fe85f3	http://biocol.org/urn:l
Ebogo / Nyc	3,4	11,47	1319578460	http://n2t.net/ark:/65665/3691981	http://biocol.org/urn:l

Nsana/Ntem	2,45	10,47	1319124644	http://n2t.net/ark:/65665/355055b	http://biocol.org/urn:l
Nsana/Ntem	2,45	10,47	1318740529	http://n2t.net/ark:/65665/3440460	http://biocol.org/urn:l
Nsana/Ntem	2,45	10,47	1318360727	http://n2t.net/ark:/65665/3333cfeb	http://biocol.org/urn:l
Bambama vi	-2,54417	13,5327	1318307228	http://n2t.net/ark:/65665/330dca7l	http://biocol.org/urn:l
Ebogo / Nyc	3,4	11,47	1317431459	http://n2t.net/ark:/65665/30a23e7(	http://biocol.org/urn:l
Nsana/Ntem	2,45	10,47	1317351718	http://n2t.net/ark:/65665/30699a5	http://biocol.org/urn:l
Mondemba t	5,06289	8,84732	1309944539	e62e43c0-36be-49d0-a736-8a1a1d1	http://grbio.org/cool/i
Mondemba t	5,06289	8,84732	1309944505	a504027f-2c1a-403d-97a7-852c60l	http://grbio.org/cool/i
Mondemba t	5,06289	8,84732	1309944502	fe3ec927-442b-47ea-b8cb-8896f94	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944470	af21c454-3a9e-44a6-996e-5b6ac1b	http://grbio.org/cool/
Mundemba t	5,06921	8,85979	1309944448	f036aecc-413e-45a8-a695-3cc0b20	http://grbio.org/cool/
Mundemba t	5,06921	8,85979	1309944431	ad53c457-7e77-479e-b8b5-df3c0c1	http://grbio.org/cool/
02 07 28.12	-2,12448	13,63506	1211002742	urn:catalog:CAS:HERP:258280	CAS
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02 14 30.84	-2,2419	13,58746	1211002601	urn:catalog:CAS:HERP:258145	CAS
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02 14 30.84	-2,2419	13,58746	1211002581	urn:catalog:CAS:HERP:258144	CAS
00 11 38.22	-0,19395	10,78477	1211002530	urn:catalog:CAS:HERP:258085	CAS
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Mekas, Dja	3,179031	12,528681	890183135	urn:catalog:CAS:HERP:253537	CAS
Mekas, Dja	3,179031	12,528681	890183123	urn:catalog:CAS:HERP:253536	CAS
Mekas, Dja	3,173339	12,529019	890183081	urn:catalog:CAS:HERP:253586	CAS
Mekas, Dja	3,173339	12,529019	890183069	urn:catalog:CAS:HERP:253585	CAS
Mekas, Dja	3,179031	12,528681	890183015	urn:catalog:CAS:HERP:253539	CAS
Mekas, Dja	3,179031	12,528681	890183005	urn:catalog:CAS:HERP:253538	CAS
Ngoyla, com	2,622781	14,024461	890182810	urn:catalog:CAS:HERP:253376	CAS
Sanaga Rive	4,604167	12,204517	543607801	urn:catalog:CAS:HERP:249987	CAS
Sanaga Rive	4,604167	12,204517	543607800	urn:catalog:CAS:HERP:249986	CAS
Sanaga Rive	4,604167	12,204517	543607799	urn:catalog:CAS:HERP:249985	CAS
7 km ESE (b	2,8895	11,211833	543500680	urn:catalog:CAS:HERP:153577	CAS
7 km ESE (b	2,8895	11,211833	543500679	urn:catalog:CAS:HERP:153576	CAS
7 km ESE (b	2,8895	11,211833	543500678	urn:catalog:CAS:HERP:153575	CAS
Ca Ndian (S	4,9755	8,914	543499556	urn:catalog:CAS:HERP:152565	CAS
Bangangte,	5,15301	10,53249	890183656	urn:catalog:CAS:HERP:254205	CAS
Gola Nation	7,453	-10,692	197004626	197004626	
Draw River	5,2	-2,4	197003857	197003857	
Haute Dodo	4,9	-7,316	197003836	197003836	
Gamba, 87 k	-3,23792	10,6107	3028123252	http://n2t.net/ark:/65665/3e3a81c	http://grbio.org/cool/
Gamba, 77 k	-3,19297	10,5322	3028096584	http://n2t.net/ark:/65665/3790fe4	http://grbio.org/cool/
Gamba, 83 k	-3,22167	10,5757	3028087645	http://n2t.net/ark:/65665/36259ac	http://grbio.org/cool/
Bambama vi	-2,54767	13,5245	3028084371	http://n2t.net/ark:/65665/357e752	http://grbio.org/cool/

Gamba, 47 k	-3,00256	10,338	3028068523	http://n2t.net/ark:/65665/3215f8ff http://grbio.org/cool/
Gamba, 77 k	-3,19375	10,5322	3028064264	http://n2t.net/ark:/65665/337a91a http://grbio.org/cool/
Gamba, 83 k	-3,22167	10,5757	3028058921	http://n2t.net/ark:/65665/311bbc4 http://grbio.org/cool/
Bambama vi	-2,54767	13,5245	3028030773	http://n2t.net/ark:/65665/3d56afa4 http://grbio.org/cool/
Gamba, 77 k	-3,19392	10,5321	3028001195	http://n2t.net/ark:/65665/38dd5fe9 http://grbio.org/cool/
Gamba, 77 k	-3,19375	10,5322	3027979906	http://n2t.net/ark:/65665/348da9e8 http://grbio.org/cool/
Gamba, 47 k	-3,00256	10,338	3027979352	http://n2t.net/ark:/65665/33a594f3 http://grbio.org/cool/
Gamba, 77 k	-3,19297	10,5322	3027977565	http://n2t.net/ark:/65665/3238570 http://grbio.org/cool/
Gamba, 77 k	-3,19392	10,5321	3027973124	http://n2t.net/ark:/65665/334a700 http://grbio.org/cool/
Gamba, 87 k	-3,23792	10,6107	3027970297	http://n2t.net/ark:/65665/338f3d0 http://grbio.org/cool/
Gamba, 87 k	-3,23783	10,6107	3027969550	http://n2t.net/ark:/65665/32396ee http://grbio.org/cool/
Gamba, 87 k	-3,23783	10,6107	3027963968	http://n2t.net/ark:/65665/3136bab http://grbio.org/cool/
Gabon:Nyan	-3,19	10,53	2310971374	KY080057
Gabon:Nyan	-3,19	10,53	2310818796	KY079525
Gabon:Nyan	-3,19	10,53	2310648593	KY079526
Gabon:Nyan	-3,19	10,53	2310536610	KY080055
Gabon:Nyan	-3,24	10,61	2310222834	KY079520
Gabon:Nyan	-3,19	10,53	2310163902	KY080056
Republic of	-2,55	13,52	2310026857	KY080052
Gabon:Nyan	-3,24	10,61	2309535766	KY080050
Gabon:Nyan	-3,24	10,61	2309453316	KY079519
Gabon:Nyan	-3,22	10,58	2309211937	KY079522
Gabon:Nyan	-3,22	10,58	2309163691	KY080053
Republic of	-2,55	13,52	2308815034	KY079521
Gabon:Nyan	-3,19	10,53	2308545201	KY079524
Gabon:Nyan	-3,24	10,61	2308185341	KY080051
Gabon:Nyan	-3	10,34	2308127237	KY079523
Gabon:Nyan	-3	10,34	2307653698	KY080054
Bambama vi	-2,54767	13,5245	1322227622	http://n2t.net/ark:/65665/3de4c4fe http://biocol.org/urn:l
Gamba, 77 k	-3,19375	10,5322	1321066113	http://n2t.net/ark:/65665/3aae0415 http://biocol.org/urn:l
Nemeyong/N	2,45	10,47	1320933803	http://n2t.net/ark:/65665/3a50c351 http://biocol.org/urn:l
Gamba, 47 k	-3,00256	10,338	1319557330	http://n2t.net/ark:/65665/3682890 http://biocol.org/urn:l
Gamba, 87 k	-3,23783	10,6107	1319143463	http://n2t.net/ark:/65665/355da64 http://biocol.org/urn:l
Gamba, 77 k	-3,19297	10,5322	1318971564	http://n2t.net/ark:/65665/34e402a http://biocol.org/urn:l
Gamba, 83 k	-3,22167	10,5757	1318482006	http://n2t.net/ark:/65665/3389906 http://biocol.org/urn:l
Gamba, 77 k	-3,19392	10,5321	1317887481	http://n2t.net/ark:/65665/31e4c20 http://biocol.org/urn:l
Gamba, 87 k	-3,23792	10,6107	1317429656	http://n2t.net/ark:/65665/30a0e41 http://biocol.org/urn:l
Mondemba t	5,06064	8,84673	1309944504	db63b756-0181-4041-b10f-c4962c http://grbio.org/cool/i
	1,129846	11,266032	1039483094	urn:uuid:ddba8cf0-81ad-4422-b98f-c5df2bc31a4c
Masako Res	0,59729	25,26673	2579617727	efbdfd3954fcef36f41af3b48dbc9cb9dd2067f3
Masako Res	0,60175	25,26431	2579617718	88009f90bc4840f27a6991f6425d32873d796f90
Masako Res	0,60175	25,26431	2579617650	35038bdc37f2c0549814fe922b0b4f08c01e14d6
Masako Res	0,59729	25,26673	2579617638	e26a0d4432432d8c55dc9f3468957b6c587c2708
Masako Res	0,61064	25,26188	2579617613	a263330cf3c9615aef10ea0416b04cdf6b6ed6c6
Masako Res	0,60175	25,26431	2579617521	cf23090f8b63a95fa20b0e2feb7fbbaabf42c4f4

Masako Res	0,46404	25,2918	2579617468	9579ec33440c173f6aacfa93868427f4470e20b8	
Masako Res	0,60175	25,26431	2579617440	4cd843d041d0ec6bee19cc9a5f525284a52c3564	
Masako Res	0,59729	25,26673	2579617410	2d6e4be72b2b47b0a25a534cb6fa0cd6040b257d	
Masako Res	0,60175	25,26431	2579617350	1ab1d3053f1d92da71ca84dc59b6fc47acaaa60d	
Masako Res	0,60175	25,26431	2579617231	119b1a1575338d2864201ad146e0dc56df987367	
Masako Res	0,59729	25,26673	2579617133	1c703e819a50521d4171712d6b7be90398c7abe2	
Yoko Reserv	0,30036	25,27924	2579617017	6be9589ab5867376e30b944cd68f18de37081643	
Minkebe Nat	1,154444	12,699167	1839364805	MCZ:Herp:A-149132	b4640710-8e03-11d8·
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Minkebe Nat	1,154444	12,699167	1839364793	MCZ:Herp:A-149130	b4640710-8e03-11d8·
Minkebe Nat	1,154444	12,699167	1839364786	MCZ:Herp:A-149129	b4640710-8e03-11d8·
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Minkebe Nat	1,154444	12,699167	1839364766	MCZ:Herp:A-149126	b4640710-8e03-11d8·
Mont Birou	-1,627778	12,363056	1839364759	MCZ:Herp:A-149125	b4640710-8e03-11d8·
Ramba Villa	-0,363611	11,787222	1839349366	MCZ:Cryo:2318	b4640710-8e03-11d8·
Mt. Nlonako	4,9167	9,9333	1057297451	3348958	
Mt. Camero	4,05	9,0667	1057104999	3348962	
Mt. Camero	4,0667	9,1	1056912074	3348966	
Dikome Bal	4,9667	9,25	1056686007	3348960	
Mt. Camero	4,05	9,0667	1056654985	3348964	
Mt. Camero	4,0667	9,1	1056587463	3348968	
Mt. Koupe,	4,8	9,6833	1055811169	3348956	
Ivindo Natio	0,51121	12,80278	476599311	MCZ:Herp:A-139775	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476585980	MCZ:Herp:A-136848	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476585979	MCZ:Herp:A-136847	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476580360	MCZ:Herp:A-136849	b4640710-8e03-11d8·
E of Samake	3,816667	10,116667	476575905	MCZ:Herp:A-136733	b4640710-8e03-11d8·
E of Samake	3,816667	10,116667	476575904	MCZ:Herp:A-136732	b4640710-8e03-11d8·
	-2,340833	9,597222	3025757073	https://darwin.naturalsciences.be/u	https://www.wikidata
	-2,364444	9,607778	3025593256	https://darwin.naturalsciences.be/u	https://www.wikidata
Dja Reserve,	3,190556	12,811667	543551521	urn:catalog:CAS:HERP:199334	CAS
Freetown to	8,337667	-13,1995	543585803	urn:catalog:CAS:HERP:230187	CAS
Forest reserv	8,337667	-13,1995	1145563831	http://arctos.database.museum/gui	MVZ
Forest reserv	8,337667	-13,1995	1145563764	http://arctos.database.museum/gui	MVZ
Bioko Islanc	3,62844	8,80306	2426873492	http://n2t.net/ark:/65665/389164b	http://biocol.org/urn:l
Bioko Islanc	3,62844	8,80306	2426852678	http://n2t.net/ark:/65665/3cc4c77e	http://biocol.org/urn:l
Bioko Islanc	3,62844	8,80306	2426846327	http://n2t.net/ark:/65665/3388e2a(	http://biocol.org/urn:l
Bioko Islanc	3,62844	8,80306	2426827222	http://n2t.net/ark:/65665/3146cce3	http://biocol.org/urn:l
Pico Basile,	3,628444	8,803056	543560357	urn:catalog:CAS:HERP:207286	CAS
Pico Basile,	3,628444	8,803056	543560356	urn:catalog:CAS:HERP:207285	CAS
Pico Basile,	3,628444	8,803056	543560355	urn:catalog:CAS:HERP:207284	CAS
Pico Basile,	3,628444	8,803056	543560354	urn:catalog:CAS:HERP:207283	CAS
Pico Basile,	3,628444	8,803056	543560353	urn:catalog:CAS:HERP:207282	CAS
on trail W o	8,42451	0,57122	1145562694	http://arctos.database.museum/gui	MVZ

South Repea	8,34842	0,60111	1145562687	http://arctos.database.museum/gui	MVZ
Bad-Legged	8,43526	0,60433	1145562685	http://arctos.database.museum/gui	MVZ
on trail, Kue	8,50844	0,62439	1145562682	http://arctos.database.museum/gui	MVZ
~1.8km SW	8,33383	0,59449	1145562677	http://arctos.database.museum/gui	MVZ
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on trail W o	8,42451	0,57122	1145562667	http://arctos.database.museum/gui	MVZ
South Repea	8,34842	0,60111	1145562662	http://arctos.database.museum/gui	MVZ
South Repea	8,34842	0,60111	1145562652	http://arctos.database.museum/gui	MVZ
along trail to	8,44091	0,58736	1145562651	http://arctos.database.museum/gui	MVZ
South Repea	8,34842	0,60111	1145562642	http://arctos.database.museum/gui	MVZ
South Repea	8,34842	0,60111	1145562629	http://arctos.database.museum/gui	MVZ
South Repea	8,34842	0,60111	1145562624	http://arctos.database.museum/gui	MVZ
South Repea	8,34842	0,60111	1145562623	http://arctos.database.museum/gui	MVZ
South Repea	8,34842	0,60111	1145562620	http://arctos.database.museum/gui	MVZ
South Repea	8,34842	0,60111	1145562619	http://arctos.database.museum/gui	MVZ
South Repea	8,34842	0,60111	1145562617	http://arctos.database.museum/gui	MVZ
Bad-Legged	8,43526	0,60433	1145562613	http://arctos.database.museum/gui	MVZ
Middle Cont	8,40518	0,59404	1145562611	http://arctos.database.museum/gui	MVZ
on trail, Kue	8,50844	0,62439	1145562605	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,32478	0,55478	1145557817	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,33019	0,59411	1145557804	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,33019	0,59411	1145557798	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,32512	0,55407	1145557795	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,33359	0,57276	1145557790	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,32478	0,55478	1145557773	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,32512	0,55407	1145557761	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,32518	0,5573	1145557750	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,32478	0,55478	1145557745	http://arctos.database.museum/gui	MVZ
	6,8527778	3,029166667			
	4,51	9,54			
Ngel Nyaki,	7,086111	11,066639	476803418	MCZ:Herp:A-139528	b4640710-8e03-11d8-
Elak Oku Vi	6,245833	10,506389	476582970	MCZ:Herp:A-137983	b4640710-8e03-11d8-
Yelwa	7,088361	11,085167	476508231	MCZ:Herp:A-139527	b4640710-8e03-11d8-
	5,23891	8,28154		Lotanna Micah Nneji	Department of Zoolog
	5,23975	8,28356		Lotanna Micah Nneji	Department of Zoolog
	5,23975	8,28356		Lotanna Micah Nneji	Department of Zoolog
	5,24016	8,28512		Lotanna Micah Nneji	Department of Zoolog
Gamba, 85 k	-3,22575	10,5975	3028105883	http://n2t.net/ark:/65665/3a18d09	http://grbio.org/cool/
Gamba, 85 k	-3,22575	10,5975	3028079401	http://n2t.net/ark:/65665/33a4c1d	http://grbio.org/cool/
Gamba, 85 k	-3,22575	10,5975	3028029775	http://n2t.net/ark:/65665/3d61187	http://grbio.org/cool/
Gabon:Nyan	-3,23	10,6	2306605873	KY080068	
Gabon:Nyan	-3,23	10,6	2304995114	KY079538	
Fulani villag	5,013	9,87	1899932081	93248304-90f3-4c8c-8ba4-e394de	http://grbio.org/cool/
Fulani villag	5,023	9,876	1899932067	18e13116-50b7-487b-ad55-54d58	http://grbio.org/cool/
Nguengue	4,9172	9,9892	1321916573	http://n2t.net/ark:/65665/3d0867c	http://biocol.org/urn:l

Nguengue	4,9172	9,9892	1321150637	http://n2t.net/ark:/65665/3ae9a381	http://biocol.org/urn:l
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Gamba, 85 k	-3,22575	10,5975	1317891031	http://n2t.net/ark:/65665/31e73a0	http://biocol.org/urn:l
Dikome-Bal	4,9287	9,2443	1309944664	f275fc64-b7b0-4a6e-94ae-03ef18b	http://grbio.org/cool/
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vic Moka M	3,360972	8,667417	543561068	urn:catalog:CAS:HERP:207926	CAS
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Bambama vi	-2,54733	13,5303	3028114368	http://n2t.net/ark:/65665/3af44295	http://grbio.org/cool/
Bambama vi	-2,54733	13,5303	3028113707	http://n2t.net/ark:/65665/3bbee06	http://grbio.org/cool/
Kissiki field	-2,79583	13,5035	3028110091	http://n2t.net/ark:/65665/3a116a4	http://grbio.org/cool/
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Bambama vi	-2,54767	13,5245	3028103349	http://n2t.net/ark:/65665/391ff1d1	http://grbio.org/cool/
Gamba, 85 k	-3,23903	10,5921	3028103161	http://n2t.net/ark:/65665/3ac9078	http://grbio.org/cool/
Impongui	1,08811	17,3074	3028093235	http://n2t.net/ark:/65665/38fcda19	http://grbio.org/cool/
Kissiki field	-2,79583	13,5035	3028079379	http://n2t.net/ark:/65665/339b7db	http://grbio.org/cool/
Lebayi field	-2,666	13,5962	3028064576	http://n2t.net/ark:/65665/3252ed4	http://grbio.org/cool/
Lebayi field	-2,666	13,5962	3028051851	http://n2t.net/ark:/65665/3102475	http://grbio.org/cool/
Bambama vi	-2,54767	13,5245	3028040073	http://n2t.net/ark:/65665/3fb4b66	http://grbio.org/cool/
Kissiki field	-2,792	13,5132	3028037390	http://n2t.net/ark:/65665/3cd1661	http://grbio.org/cool/
Lebayi field	-2,6675	13,6022	3028029594	http://n2t.net/ark:/65665/3d082d1	http://grbio.org/cool/
Impongui	1,0769	17,2997	3028021073	http://n2t.net/ark:/65665/3c21f28	http://grbio.org/cool/
Impongui	1,0769	17,2997	3028016411	http://n2t.net/ark:/65665/393cc9d	http://grbio.org/cool/
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Kissiki field	-2,792	13,5132	3028001892	http://n2t.net/ark:/65665/38548ab	http://grbio.org/cool/
Impongui	1,0769	17,2997	3027996945	http://n2t.net/ark:/65665/368fd8a	http://grbio.org/cool/
Gamba, 87 k	-3,23733	10,6111	3027988191	http://n2t.net/ark:/65665/351ce27	http://grbio.org/cool/
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Lebayi field	-2,67767	13,5872	3027974552	http://n2t.net/ark:/65665/3242ec0	http://grbio.org/cool/
Kissiki field	-2,78978	13,5344	3027974181	http://n2t.net/ark:/65665/3347ec1	http://grbio.org/cool/
Lebayi field	-2,67767	13,5872	3027970673	http://n2t.net/ark:/65665/327c337	http://grbio.org/cool/
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Gabon:Nyan	-3,24	10,61	2311003676	KY079555	
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Republic of	-2,67	13,6	2309861432	KY079550	
Republic of	-2,55	13,52	2309519861	KY079552	
Gabon:Nyan	-3,24	10,59	2309124241	KY079556	

Gabon:Nyan	-3,24	10,59	2308910469	KY080084
Republic of	-2,67	13,6	2307706237	KY079548
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Ogooue Riv	-1,15903	11,81952	1839291701	a802ebb3-3ae1-4307-a149-9b899c9f99b9
Congo River	-2,05552	12,15799	1839291419	55b0f2e3-a1ef-49b3-8c33-b9539fd21261
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PFA4 & PF	-4,471944	12,013889	1837124933	5231eaab-3bf0-4c34-b690-32e64d2a241d
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Bambama vi	-2,54733	13,5303	1321825202	http://n2t.net/ark:/65665/3cc78f0f http://biocol.org/urn:l
Bambama vi	-2,54767	13,5245	1321473071	http://n2t.net/ark:/65665/3bcd913 http://biocol.org/urn:l
Impongui	1,08811	17,3074	1320771705	http://n2t.net/ark:/65665/39de24b http://biocol.org/urn:l
Lebayi field	-2,67767	13,5872	1320736950	http://n2t.net/ark:/65665/39c59e4 http://biocol.org/urn:l
Kissiki field	-2,78978	13,5344	1320542087	http://n2t.net/ark:/65665/393bb3f http://biocol.org/urn:l
Lebayi field	-2,666	13,5962	1319691433	http://n2t.net/ark:/65665/36e1a6a5 http://biocol.org/urn:l
Gamba, 87 k	-3,23733	10,6111	1319527613	http://n2t.net/ark:/65665/366d6e8 http://biocol.org/urn:l
Impongui	1,08811	17,3074	1319433839	http://n2t.net/ark:/65665/362bcb5 http://biocol.org/urn:l
Lebayi field	-2,6675	13,6022	1319388908	http://n2t.net/ark:/65665/360b99d http://biocol.org/urn:l

Kissiki field	-2,79583	13,5035	1318767474	http://n2t.net/ark:/65665/3453517	http://biocol.org/urn:l
Gamba, 85 k	-3,23903	10,5921	1318168673	http://n2t.net/ark:/65665/32ab7ff4	http://biocol.org/urn:l
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LopÃ© Nati	-0,389444	11,823889	1839364897	MCZ:Herp:A-149150	b4640710-8e03-11d8·
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Ossele Villa	-1,855278	13,854167	1839349368	MCZ:Cryo:2320	b4640710-8e03-11d8·
BatÃ©kÃ©	-1,971317	13,991367	872982339	MCZ:Herp:A-147880	b4640710-8e03-11d8·
BatÃ©kÃ©	-2,080683	14,06365	872982328	MCZ:Herp:A-147868	b4640710-8e03-11d8·
BatÃ©kÃ©	-2,052417	14,064833	872982307	MCZ:Herp:A-147906	b4640710-8e03-11d8·
BatÃ©kÃ©	-1,971317	13,991367	872982290	MCZ:Herp:A-147881	b4640710-8e03-11d8·
Ivindo Natio	0,50367	12,79407	476768502	MCZ:Herp:A-139719	b4640710-8e03-11d8·
Ngel Nyaki	7,096722	11,05875	476767538	MCZ:Herp:A-139606	b4640710-8e03-11d8·
Ivindo Natio	0,51121	12,80278	476602860	MCZ:Herp:A-139782	b4640710-8e03-11d8·
Ivindo Natio	0,51121	12,80278	476598403	MCZ:Herp:A-139780	b4640710-8e03-11d8·
Ivindo Natio	0,51121	12,80278	476598264	MCZ:Herp:A-139779	b4640710-8e03-11d8·
Ivindo Natio	0,51121	12,80278	476565822	MCZ:Herp:A-139781	b4640710-8e03-11d8·
Mt. Camerou	4,1167	9,1	1057506296	3349002	
Gamba, 80 k	-3,22036	10,5484	3028123830	http://n2t.net/ark:/65665/3da98a8	http://grbio.org/cool/
Gamba, 80 k	-3,22036	10,5484	3028113044	http://n2t.net/ark:/65665/3c0e8a9	http://grbio.org/cool/
Gamba, 87 k	-3,23239	10,6188	3028097447	http://n2t.net/ark:/65665/3792a8e	http://grbio.org/cool/
Gamba, 87 k	-3,23239	10,6188	3028070837	http://n2t.net/ark:/65665/32d34d8	http://grbio.org/cool/
Gamba, 80 k	-3,22228	10,5455	3028054559	http://n2t.net/ark:/65665/307ede2	http://grbio.org/cool/
Gamba, 81 k	-3,2205	10,551	3028040119	http://n2t.net/ark:/65665/3fc9e61a	http://grbio.org/cool/
Gamba, 80 k	-3,22061	10,548	3028038448	http://n2t.net/ark:/65665/3e70487	http://grbio.org/cool/
Gamba, 81 k	-3,2205	10,551	3027996829	http://n2t.net/ark:/65665/365714e	http://grbio.org/cool/
Gamba, 80 k	-3,22228	10,5455	3027995517	http://n2t.net/ark:/65665/35c6b28	http://grbio.org/cool/
Gamba, 80 k	-3,22061	10,548	3027991692	http://n2t.net/ark:/65665/35f42d7	http://grbio.org/cool/
	-2,344778	12,777667	2814349329	51207458	
Gabon:Nyan	-3,22	10,55	2310793404	KY079558	
Gabon:Nyan	-3,22	10,55	2310661814	KY079560	
Gabon:Nyan	-3,22	10,55	2310193987	KY080088	
Gabon:Nyan	-3,23	10,62	2309375622	KY080085	
Gabon:Nyan	-3,22	10,55	2308831364	KY080087	
Gabon:Nyan	-3,22	10,55	2308795287	KY079561	
Gabon:Nyan	-3,22	10,55	2308767443	KY080089	
Gabon:Nyan	-3,23	10,62	2308539233	KY079557	
Gabon:Nyan	-3,22	10,55	2308518643	KY080086	
Gabon:Nyan	-3,22	10,55	2307253454	KY079559	
Northeastern	4,24729	9,26588	1899932360	df20cc73-2b43-4e4f-a98e-8066f0d	http://grbio.org/cool/
Forest above	4,991	9,979	1899932343	4b0b670c-a17c-4a45-91b6-81b827	http://grbio.org/cool/
Northeastern	4,24729	9,26588	1899932315	9dd6e5c9-036b-4abd-a533-f7499b	http://grbio.org/cool/
Northeastern	4,231	9,279	1899932306	af659b35-fb85-401f-a4ef-d69c2edf	http://grbio.org/cool/
Enguengue V	4,91725	9,98705	1899932126	7e646cdb-5fe6-4c56-939b-175cdb	http://grbio.org/cool/

Forest above	4,991	9,979	1899932092	f12c75d8-b2f5-4f17-b572-859f85e	http://grbio.org/cool/
0.28 mi NW	-4,711917	12,273833	1837125041	7cb392d8-7fbf-4216-a9b0-3b0b2dd57a5d	
0.28 mi NW	-4,711917	12,273833	1837124797	1178c684-f05c-414a-8546-9d6bd004c247	
Gamba, 80 k	-3,22228	10,5455	1321405169	http://n2t.net/ark:/65665/3b9ddecl	http://biocol.org/urn:l
Gamba, 81 k	-3,2205	10,551	1320691451	http://n2t.net/ark:/65665/39a5924	http://biocol.org/urn:l
Gamba, 80 k	-3,22061	10,548	1320409006	http://n2t.net/ark:/65665/38dd83c	http://biocol.org/urn:l
Gamba, 80 k	-3,22036	10,5484	1319204187	http://n2t.net/ark:/65665/3588f7a2	http://biocol.org/urn:l
Gamba, 87 k	-3,23239	10,6188	1318817487	http://n2t.net/ark:/65665/3476852	http://biocol.org/urn:l
	1,129846	11,266032	1039480389	urn:uuid:ca5f24aa-e689-4560-83e2-963122564169	
Doumzok, c	2,644719	14,035169	890182750	urn:catalog:CAS:HERP:253340	CAS
Ramba Villa	-0,363611	11,787222	1839364909	MCZ:Herp:A-149155	b4640710-8e03-11d8
Ramba Villa	-0,363611	11,787222	1839364908	MCZ:Herp:A-149154	b4640710-8e03-11d8
Dja Reserve,	3,190556	12,811667	543551525	urn:catalog:CAS:HERP:199338	CAS
Dja Reserve,	3,190556	12,811667	543551524	urn:catalog:CAS:HERP:199337	CAS
Bambama vi	-2,54767	13,5245	3028110114	http://n2t.net/ark:/65665/3a1ea54f	http://grbio.org/cool/
	4,180018	9,246368	2802547301	101539	
	2,211192	16,192956	2563442693	2319903	
Bioko Islanc	3,36161	8,66881	2426936543	http://n2t.net/ark:/65665/382137a	http://biocol.org/urn:l
Bioko Islanc	3,36097	8,66742	2426926524	http://n2t.net/ark:/65665/37a9277	http://biocol.org/urn:l
Bioko Islanc	3,36097	8,66742	2426903889	http://n2t.net/ark:/65665/3eb71dfe	http://biocol.org/urn:l
Bioko Islanc	3,36097	8,66742	2426897582	http://n2t.net/ark:/65665/3af10657	http://biocol.org/urn:l
Bioko Islanc	3,36097	8,66742	2426876816	http://n2t.net/ark:/65665/3fcf401c	http://biocol.org/urn:l
Bioko Islanc	3,33181	8,66953	2426868571	http://n2t.net/ark:/65665/3b3a0b2	http://biocol.org/urn:l
Bioko Islanc	3,36097	8,66742	2426861763	http://n2t.net/ark:/65665/3e9deb1	http://biocol.org/urn:l
Bioko Islanc	3,70517	8,87944	2426854753	http://n2t.net/ark:/65665/3e5a4c6f	http://biocol.org/urn:l
Bioko Islanc	3,36097	8,66742	2426851652	http://n2t.net/ark:/65665/3c15e19	http://biocol.org/urn:l
Bioko Islanc	3,36097	8,66742	2426833540	http://n2t.net/ark:/65665/32b1637	http://biocol.org/urn:l
Bioko Islanc	3,33181	8,66953	2426829046	http://n2t.net/ark:/65665/31afa67e	http://biocol.org/urn:l
Bioko Islanc	3,33181	8,66953	2426825357	http://n2t.net/ark:/65665/30d8b32	http://biocol.org/urn:l
Northeastern	4,24729	9,26588	1899932090	67844e46-102f-464d-b622-51754c	http://grbio.org/cool/
	3,629924	8,776703	1457583757	4776126	
Eyimba	4,88	9,98	1321352318	http://n2t.net/ark:/65665/3b78b86	http://biocol.org/urn:l
Bambama vi	-2,54767	13,5245	1319469504	http://n2t.net/ark:/65665/3644583	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1317838902	http://n2t.net/ark:/65665/31c2527	http://biocol.org/urn:l
Dikome-Bal	4,9287	9,2443	1309944661	eabc0e82-31c2-455d-86aa-d6da832	http://grbio.org/cool/i
Dikome-Bal	4,9287	9,2443	1309944638	96f1cbf7-d0dc-4561-a619-75105d2	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944488	e4d753b1-fea2-44fa-82bc-b890161	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944453	3dcd0581-a47d-4f31-beba-e2cdaa5	http://grbio.org/cool/i
Bamenda Hi	5,93549	10,12953	1249225788	92902b33-f687-4771-8451-7da3d7	http://grbio.org/cool/
00 03 07.38	-0,05205	11,16493	1211002550	urn:catalog:CAS:HERP:258104	CAS
Cariven Vill	-0,1766	10,77973	1211002506	urn:catalog:CAS:HERP:258055	CAS
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Mitone, Mit	-0,64375	10,22071	1211002493	urn:catalog:CAS:HERP:258034	CAS
00 10 51.34	-0,18093	10,77828	1211002492	urn:catalog:CAS:HERP:258048	CAS

Mitone, 00 3	-0,64073	10,21873	1211002458	urn:catalog:CAS:HERP:258026	CAS
Mitone, 00 3	-0,64286	10,21713	1211002441	urn:catalog:CAS:HERP:258030	CAS
Mitone, 00 3	-0,64073	10,21873	1211002431	urn:catalog:CAS:HERP:258025	CAS
03 42 18.6 N	3,705167	8,879444	543560959	urn:catalog:CAS:HERP:207828	CAS
vic Moka M	3,361611	8,668806	543560958	urn:catalog:CAS:HERP:207827	CAS
vic Moka M	3,360972	8,667417	543560957	urn:catalog:CAS:HERP:207826	CAS
vic Moka M	3,360972	8,667417	543560956	urn:catalog:CAS:HERP:207825	CAS
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vic Moka M	3,360972	8,667417	543560952	urn:catalog:CAS:HERP:207821	CAS
Moka Malab	3,360972	8,667417	543560951	urn:catalog:CAS:HERP:207820	CAS
vic Moka M	3,331806	8,669528	543560949	urn:catalog:CAS:HERP:207819	CAS
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Dja Reserve,	3,190556	12,811667	543551341	urn:catalog:CAS:HERP:199172	CAS
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Dja Reserve,	3,190556	12,811667	543551336	urn:catalog:CAS:HERP:199168	CAS
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Dja Reserve,	3,190556	12,811667	543551334	urn:catalog:CAS:HERP:199166	CAS
Dja Reserve,	3,190556	12,811667	543551333	urn:catalog:CAS:HERP:199165	CAS
Dja Reserve,	3,190556	12,811667	543551332	urn:catalog:CAS:HERP:199164	CAS
Dja Reserve,	3,190556	12,811667	543551331	urn:catalog:CAS:HERP:199163	CAS
Dja Reserve,	3,190556	12,811667	543551330	urn:catalog:CAS:HERP:199162	CAS
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Dja Reserve,	3,190556	12,811667	543551326	urn:catalog:CAS:HERP:199159	CAS
Dja Reserve,	3,190556	12,811667	543551325	urn:catalog:CAS:HERP:199158	CAS
Dja Reserve,	3,190556	12,811667	543551324	urn:catalog:CAS:HERP:199157	CAS
Dja Reserve,	3,190556	12,811667	543551323	urn:catalog:CAS:HERP:199156	CAS
Dja Reserve,	3,190556	12,811667	543551322	urn:catalog:CAS:HERP:199155	CAS
Dja Reserve,	3,190556	12,811667	543551321	urn:catalog:CAS:HERP:199154	CAS
Dja Reserve,	3,190556	12,811667	543551320	urn:catalog:CAS:HERP:199153	CAS
Dja Reserve,	3,190556	12,811667	543551319	urn:catalog:CAS:HERP:199152	CAS
Dja Reserve,	3,190556	12,811667	543551318	urn:catalog:CAS:HERP:199151	CAS
Dja Reserve,	3,190556	12,811667	543551317	urn:catalog:CAS:HERP:199150	CAS
Dja Reserve,	3,190556	12,811667	543551315	urn:catalog:CAS:HERP:199149	CAS
Zone of Mar	1,397778	28,57	543547938	urn:catalog:CAS:HERP:196109	CAS
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~26 km SW	6,701483	-2,761367	45640630	fd85bbae-fdee-11e2-ab74-7d6dab1	http://grbio.org/cool/
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~26 km SW	6,701483	-2,761367	45640628	fd851ffa-fdee-11e2-ab74-7d6dab14	http://grbio.org/cool/
Yoko Reserv	0,29397	25,29512	2579617035	3ddf8e8193ad63269ba93856cc0bd6acc7d6b2f7	

Yoko Reserv	0,30036	25,27924	2579616978	b53306340e4917a12cc92e910228e0e0940974a6	
Yoko Reserv	0,30344	25,27191	2579616913	649f44c067fd4b4158e5a40a5697c0655c7d60b0	
Yoko Reserv	0,30036	25,27924	2579616897	0385864df3bade46f7fdd5ea3823445ba831dd91	
Yoko Reserv	0,30036	25,27924	2579616895	b0dc0b381db90b5fff3d1704d0f529b9b8476c29	
Yoko Reserv	0,29397	25,29512	2579616888	447fa5e27ce0f34ae2e2bd97471480c50e92f5df	
Yoko Reserv	0,30344	25,27191	2579616869	4153b4936afad676306a11b4346e29f12697ab8c	
Yoko Reserv	0,30036	25,27924	2579616733	06e0cdc865c0387cba0cefd9ca457158d9f859e8	
Yoko Reserv	0,29397	25,29512	2579616666	5cb499631e26cac697f3bffc08cd493153dcfde3	
Yoko Reserv	0,30036	25,27924	2579616649	2dbd941242e46cb35b2889eeb3e50bb2e25393ba	
Yoko Reserv	0,30333	25,27191	2579616631	595fb5311a03d00af32228507c1a4cda3c6d8898	
Mont Birou	-1,627778	12,363056	1839364913	MCZ:Herp:A-149157	b4640710-8e03-11d8·
Mont Birou	-1,627778	12,363056	1839364911	MCZ:Herp:A-149156	b4640710-8e03-11d8·
Minkebe Nat	1,154444	12,699167	1839364751	MCZ:Herp:A-149124	b4640710-8e03-11d8·
Minkebe Nat	1,154444	12,699167	1839364734	MCZ:Herp:A-149122	b4640710-8e03-11d8·
Ebonemin	5	9,73333	1830938766	http://id.smns-bw.org/smns/collection/21146/464542/42	
	4,96667	9,86667	1830938733	http://id.smns-bw.org/smns/collection/21149/464545/42	
Summit	5,01667	9,86667	1830938662	http://id.smns-bw.org/smns/collection/21148/464544/42	
	5,01667	9,76667	1830938659	http://id.smns-bw.org/smns/collection/21150/464546/42	
Mgba Lakes	5,03333	9,81667	1830938653	http://id.smns-bw.org/smns/collection/21147/464543/42	
Mt. Camero	4,0833	9,1	1057471267	3348892	
Barombi Mb	4,65	9,4167	1057400014	3348888	
Korup Natio	5,05	8,8333	1056808562	3348978	
Buea, Tole T	4,1333	9,2333	1056776286	3348982	
Mt. Koupe,	4,8333	9,6833	1055795461	3348980	
Ekoneman A	5,625714	8,932229	476587062	MCZ:Herp:A-136830	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476587061	MCZ:Herp:A-136829	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476586960	MCZ:Herp:A-136827	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476586959	MCZ:Herp:A-136826	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476586958	MCZ:Herp:A-136825	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476586957	MCZ:Herp:A-136824	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476586956	MCZ:Herp:A-136823	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476586955	MCZ:Herp:A-136822	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476586857	MCZ:Herp:A-136821	b4640710-8e03-11d8·
Nsoung [VE	4,983333	9,813333	476582967	MCZ:Herp:A-137979	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578148	MCZ:Herp:A-136780	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578147	MCZ:Herp:A-136779	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578146	MCZ:Herp:A-136778	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578145	MCZ:Herp:A-136777	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578144	MCZ:Herp:A-136776	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578143	MCZ:Herp:A-136775	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578048	MCZ:Herp:A-136773	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578047	MCZ:Herp:A-136772	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476480639	MCZ:Herp:A-136828	b4640710-8e03-11d8·
Ekoneman A	5,625714	8,932229	476480638	MCZ:Herp:A-136820	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476480036	MCZ:Herp:A-136774	b4640710-8e03-11d8·

Kayete	0,12846	25,62389	2027456325	f89cc2c9665c164fdd5bbcbbfd10d98202d800c9
Ituri forest	2,19766	30,11468	2027456133	8655a15794caa1a4ef1ace78fe5a95f21cb30de4
Obudu Cattl	6,42517	9,36238	1145566136	http://arctos.database.museum/gui MVZ
Stream soutl	5,35679	8,43212	1145566121	http://arctos.database.museum/gui MVZ
Obudu Cattl	6,42517	9,36238	1145566117	http://arctos.database.museum/gui MVZ
Obudu Cattl	6,42517	9,36238	1145566083	http://arctos.database.museum/gui MVZ
Loungou fiel	-2,49067	13,7183	3028131662	http://n2t.net/ark:/65665/3efbdac5 http://grbio.org/cool/1
Lebayi villag	-2,67517	13,5885	3028109149	http://n2t.net/ark:/65665/3a73e32(http://grbio.org/cool/1
Loungou fiel	-2,49067	13,7183	3028103238	http://n2t.net/ark:/65665/3af2f067 http://grbio.org/cool/1
Lebayi field	-2,67783	13,5868	3028097791	http://n2t.net/ark:/65665/382d240 http://grbio.org/cool/1
Loungou fiel	-2,4922	13,7431	3028077675	http://n2t.net/ark:/65665/346666b http://grbio.org/cool/1
Lebayi field	-2,66683	13,5958	3028076505	http://n2t.net/ark:/65665/33d3678 http://grbio.org/cool/1
Lebayi field	-2,6675	13,6022	3028055802	http://n2t.net/ark:/65665/30f32c8c http://grbio.org/cool/1
Lebayi field	-2,6675	13,6022	3028055702	http://n2t.net/ark:/65665/30c474a4 http://grbio.org/cool/1
Lebayi villag	-2,67517	13,5885	3028037785	http://n2t.net/ark:/65665/3d8a5a47 http://grbio.org/cool/1
Lebayi field	-2,66683	13,5958	3028020932	http://n2t.net/ark:/65665/3bdd256 http://grbio.org/cool/1
Lebayi field	-2,67783	13,5868	3027980514	http://n2t.net/ark:/65665/33f11ffd http://grbio.org/cool/1
Loungou fiel	-2,4922	13,7431	3027969254	http://n2t.net/ark:/65665/336ebc61 http://grbio.org/cool/1
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	-2,442861	12,9685	2851008909	55204897
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Republic of	-2,67	13,6	2310836701	KY079566
Republic of	-2,49	13,72	2310593410	KY080092
Republic of	-2,68	13,59	2310426035	KY079562
Republic of	-2,67	13,6	2309709438	KY080094
Republic of	-2,49	13,74	2309302608	KY079563
Republic of	-2,67	13,6	2309070301	KY079565
Republic of	-2,49	13,74	2308631467	KY080091
Republic of	-2,68	13,59	2308111235	KY079567
Republic of	-2,68	13,59	2308029008	KY080090
Republic of	-2,67	13,6	2307349332	KY080093
Kessala Villa	-1,866278	13,903825	1935014525	c4bd02f0-b685-4eb1-ad76-eab1d0658386
Kessala Villa	-1,86743	13,90187	1935014506	aa7c7d45-d5c3-44ff-a109-b4923f6e51c4
Kessala Villa	-1,86743	13,90187	1935014495	9a078f2f-f7b7-4a19-8cf4-f83f6d2e9220
Kessala Villa	-1,86743	13,90187	1935014448	4ef8c61d-0f21-4b13-80fb-3afefe6d7f47
Kessala Villa	-1,86743	13,90187	1935014421	2b978f0d-168c-4f9e-b75b-d158e7e976b9
Ogooue Rive	-2,11889	12,1293	1839291774	bb8d40c6-6296-4555-92ae-dcdd5b3966a2
Ogooue Rive	-2,11889	12,1293	1839291754	b4b41a97-b51e-4665-815d-164a1b1a28bb
Ogooue Rive	-2,11889	12,1293	1839291715	a8ee2c32-e823-45f6-ac3e-e0eb46f65a93
Ogooue Rive	-2,11889	12,1293	1839291657	9bbe6b38-aa04-4efc-8d4b-0182756e989d
Ogooue Rive	-1,17436	11,82401	1839291552	7cd705e1-b8dc-4af8-9389-670856032e1e
Congo River	-2,10339	12,13954	1839291544	7965c795-58b2-484c-adbc-417e54a7467d
Ogooue Rive	-1,17436	11,82401	1839291461	60741c86-162d-43a7-a9cf-c79cb55872a7
Ogooue Rive	-2,11889	12,1293	1839291389	4ac2139f-d945-48b2-b1c1-5961f89deb59
Congo River	-2,10339	12,13954	1839291378	484db6b7-063c-4bce-a1be-c56616833bf6

Congo River	-2,05552	12,15799	1839291318	3259fdc5-a9f9-4d4f-bda0-165dfc2e8c17	
Congo River	-2,05552	12,15799	1839291270	240085f1-5d0e-4173-8238-89b44c84750f	
Congo River	-2,10339	12,13954	1839291221	1390920f-3014-4c9b-893b-ac7549acc462	
Ogooue Riv	-1,17436	11,82401	1839291192	0a2314b0-c267-49d6-9905-720b31afd5db	
Congo River	-2,03633	12,15113	1839291173	03d6a24a-f777-4898-9956-7af9fba42e38	
Ogooue Riv	-2,11889	12,1293	1839291165	018d0054-e2cd-4c22-a4d8-705cad0db639	
	-0,17527	12,537088	1586915642	3532248	
	-0,17527	12,537088	1453094257	3533626	
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Lebayi villa	-2,67517	13,5885	1321141325	http://n2t.net/ark:/65665/3ae3002	http://biocol.org/urn:l
Loungou fie	-2,49067	13,7183	1320200156	http://n2t.net/ark:/65665/3849778	http://biocol.org/urn:l
Lebayi field	-2,66683	13,5958	1319173131	http://n2t.net/ark:/65665/3572ebd	http://biocol.org/urn:l
Lebayi field	-2,67783	13,5868	1317918332	http://n2t.net/ark:/65665/31fa6ee6	http://biocol.org/urn:l
Loungou fie	-2,4922	13,7431	1317228906	http://n2t.net/ark:/65665/3012bbe	http://biocol.org/urn:l
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Mboua	-2,12448	13,63506	1249234562	urn:catalog:OMNH:OCGR:13757	
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02 07 28.12	-2,12448	13,63506	1211002723	urn:catalog:CAS:HERP:258286	CAS
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02 14 30.84	-2,2419	13,58746	1211002584	urn:catalog:CAS:HERP:258151	CAS
Mebam, con	2,6106	14,0234	890182771	urn:catalog:CAS:HERP:253371	CAS
Zoulabot II,	2,900961	13,9042	890182768	urn:catalog:CAS:HERP:253314	CAS
Mont Birou	-1,627778	12,363056	1839364924	MCZ:Herp:A-149162	b4640710-8e03-11d8
Mont Birou	-1,627778	12,363056	1839364922	MCZ:Herp:A-149161	b4640710-8e03-11d8
Mont Birou	-1,627778	12,363056	1839364920	MCZ:Herp:A-149160	b4640710-8e03-11d8
Mont Birou	-1,627778	12,363056	1839364917	MCZ:Herp:A-149159	b4640710-8e03-11d8
Mont Birou	-1,627778	12,363056	1839364915	MCZ:Herp:A-149158	b4640710-8e03-11d8
Ossele Villa	-1,855278	13,854167	1839349371	MCZ:Cryo:2322	b4640710-8e03-11d8
	4,98333	9,8	1830938785	http://id.smns-bw.org/smns/collection/21245/464641/42	
near Ebonem	5	9,73333	1830938677	http://id.smns-bw.org/smns/collection/21244/464640/42	
	4,98333	9,86667	1830938654	http://id.smns-bw.org/smns/collection/21246/464642/42	
Ivindo Natio	0,51121	12,80278	476601376	MCZ:Herp:A-139783	b4640710-8e03-11d8
Forest above	4,991	9,979	1899932120	09d042a6-aa99-499a-bbe3-68fe09e	http://grbio.org/cool/
Forest above	4,991	9,979	1899932118	abfdef16-0ed4-4f6d-9189-24cb74b	http://grbio.org/cool/
Forest above	4,991	9,979	1899932110	48bca498-c9b5-4630-9b63-f182ab	http://grbio.org/cool/
Forest above	4,991	9,979	1899932108	a7d489ed-99ba-4a6d-960a-93e2be	http://grbio.org/cool/
Forest above	4,991	9,979	1899932077	0da0ca2a-d13e-472a-bc80-5dfd5f1	http://grbio.org/cool/
vicinity of M	5,119111	8,859719	1324205013	urn:catalog:CAS:HERP:260133	CAS
Bakossi Mo	2,8	9,9	1321555663	http://n2t.net/ark:/65665/3c08183	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1318650507	http://n2t.net/ark:/65665/3400c56	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1318124637	http://n2t.net/ark:/65665/328c45a	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1317726067	http://n2t.net/ark:/65665/317259b	http://biocol.org/urn:l

Mondemba t	5,06911	8,85972	1309944556	0f0d8758-7fbb-4478-bc90-ab5c5b	http://grbio.org/cool/i
Mondemba t	5,06911	8,85972	1309944518	21aad956-8625-4f10-a03a-6ef472a	http://grbio.org/cool/i
Forest path 1	4,94517	9,68979	890183651	urn:catalog:CAS:HERP:254174	CAS
Edib Village	4,9606	9,6686	890183621	urn:catalog:CAS:HERP:254125	CAS
Edib Village	4,9606	9,6686	890183606	urn:catalog:CAS:HERP:254122	CAS
Edib Village	4,9606	9,6686	890183600	urn:catalog:CAS:HERP:254124	CAS
Edib Village	4,9606	9,6686	890183588	urn:catalog:CAS:HERP:254123	CAS
Edib Village	4,9606	9,6686	890183254	urn:catalog:CAS:HERP:254126	CAS
Edib Village	4,9606	9,6686	890183242	urn:catalog:CAS:HERP:254121	CAS
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E of Ntale V	5,331392	9,65812	476580142	MCZ:Herp:A-136956	b4640710-8e03-11d8-
E of Ntale V	5,331392	9,65812	476580141	MCZ:Herp:A-136955	b4640710-8e03-11d8-
E of Ntale V	5,331392	9,65812	476578755	MCZ:Herp:A-136805	b4640710-8e03-11d8-
E of Ntale V	5,331392	9,65812	476578754	MCZ:Herp:A-136804	b4640710-8e03-11d8-
Edib Village	4,9606	9,6686	890184492	urn:catalog:CAS:HERP:254116	CAS
Edib Village	4,9606	9,6686	890183603	urn:catalog:CAS:HERP:254117	CAS
Edib Village	4,9606	9,6686	890183573	urn:catalog:CAS:HERP:254115	CAS
Ekenzu, 4 5(	4,94781	9,69563	890183570	urn:catalog:CAS:HERP:254089	CAS
Edib Village	4,9606	9,6686	890183559	urn:catalog:CAS:HERP:254114	CAS
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	5,210412	-2,648866	2366012560	20053584	
Western Reg	5,21956	-2,65039	1303200083	http://arctos.database.museum/gui	UWBM
Western Reg	5,27742	-2,63731	1303200066	http://arctos.database.museum/gui	UWBM
Western Reg	5,21956	-2,65039	1303200051	http://arctos.database.museum/gui	UWBM
Western Reg	5,27742	-2,63731	1303200043	http://arctos.database.museum/gui	UWBM
Western Reg	5,21956	-2,65039	1303200035	http://arctos.database.museum/gui	UWBM
Western Reg	5,21956	-2,65039	1303200026	http://arctos.database.museum/gui	UWBM
Western Reg	5,21956	-2,65039	1303200017	http://arctos.database.museum/gui	UWBM
Western Reg	5,21956	-2,65039	1303200015	http://arctos.database.museum/gui	UWBM
Banco Natio	5,416667	-4,05	911915463		
vicinity of M	5,119211	8,859789	1324205097	urn:catalog:CAS:HERP:260146	CAS
vicinity of M	5,119211	8,859789	1324205067	urn:catalog:CAS:HERP:260147	CAS
Enguengue V	4,91725	9,98705	1899932121	6ee96ba7-b3d8-43ec-ad28-aba4e4f	http://grbio.org/cool/
Enguengue V	4,91725	9,98705	1899932117	b3d3b18c-6cf3-4f5c-a235-98ced65	http://grbio.org/cool/
Enguengue V	4,91725	9,98705	1899932075	f9632225-d9d6-4061-bb6a-e7ffac3	http://grbio.org/cool/
Mundemba t	5,06921	8,85979	1309944489	84553499-69e4-44dd-a172-62a79(	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944469	4cf83d5c-4f1a-4097-a213-f00744c	http://grbio.org/cool/i
E of Ntale V	5,331392	9,65812	476580140	MCZ:Herp:A-136954	b4640710-8e03-11d8-
E of Ntale V	5,331392	9,65812	476580139	MCZ:Herp:A-136953	b4640710-8e03-11d8-
E of Ntale V	5,331392	9,65812	476580031	MCZ:Herp:A-136952	b4640710-8e03-11d8-
E of Ntale V	5,331392	9,65812	476578244	MCZ:Herp:A-136787	b4640710-8e03-11d8-
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Forest path 1	4,94517	9,68979	890183664	urn:catalog:CAS:HERP:254175	CAS
Edib Village	4,96335	9,6751	890183558	urn:catalog:CAS:HERP:254106	CAS

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Edib Village	4,96335	9,6751	890183209	urn:catalog:CAS:HERP:254103	CAS
Manengouba	4,959439	9,865061	890183204	urn:catalog:CAS:HERP:253832	CAS
Edib Village	4,96335	9,6751	890183196	urn:catalog:CAS:HERP:254102	CAS
Forest above	4,991	9,979	1899932141	871f4b49-7b38-4458-8a8b-46c939	http://grbio.org/cool/
Forest above	4,991	9,979	1899932130	9a2ee1d7-f396-47cc-a7f8-de22f443	http://grbio.org/cool/
Forest above	4,991	9,979	1899932128	33778ff2-8dfc-4b01-add6-9e5b7a9	http://grbio.org/cool/
Forest above	4,991	9,979	1899932123	f6fafaa8-4a8a-4967-b957-889f14a0	http://grbio.org/cool/
Enguengue V	4,91725	9,98705	1899932119	845bc146-f227-433c-90d2-c38d0d	http://grbio.org/cool/
Forest above	4,991	9,979	1899932115	069cdf89-e5e8-4616-95d6-a343a3a	http://grbio.org/cool/
Forest above	4,991	9,979	1899932112	992da829-3244-457a-9b5b-5ca105	http://grbio.org/cool/
Forest above	4,991	9,979	1899932111	5e5ccaf6-7a87-41fc-af84-763f50c8	http://grbio.org/cool/
Forest above	4,991	9,979	1899932104	caf0e1a4-04ce-404f-8de4-fb9e218b	http://grbio.org/cool/
Forest above	4,991	9,979	1899932093	4f6811c2-f75a-4ec5-a3c2-c656d73	http://grbio.org/cool/
Forest above	4,991	9,979	1899932088	bec5558b-edb9-4912-9d5c-184ee2	http://grbio.org/cool/
Boullere (Sa	11,13	-13,97	197015194	197015194	
	7,30327	-10,34164	2999147425	54274780	
	5,477319	-9,272852	2850955793	53983575	
Molakole, G	7,18911	-10,15109	2147657230	http://arctos.database.museum/gui	UWBM
Zuawolota, I	7,05624	-10,31022	2147657228	http://arctos.database.museum/gui	UWBM
Molakole, G	7,18911	-10,15109	2147657222	http://arctos.database.museum/gui	UWBM
Juarzon, Nin	5,5	-9,5	1211735557	URI:catalog:ROM:Reptiles and Amphibians:19860	
Sapo Nation	5,5	-9,5	1211735528	URI:catalog:ROM:Reptiles and Amphibians:19859	
Eastern Regi	6,23326	-0,56184	1146416510	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,23326	-0,56184	1146416453	http://arctos.database.museum/gui	UWBM
Lama(F.C)	6,9166	2,1666	1042789522	8624	
ForÃªt de L	7,0833	2,1	1042789498	8623	
RB Pendjari	10,9333	1,1166	1042789474	8622	
Cold water s	7,546389	-8,541111	1265266904	9aa8787a-fff0-4ccf-ab48-90f61db4	urn:lsid:biocol.org:co
Yiti west Ni	7,516111	-8,704167	1265266844	92ee2ea5-8173-4fc9-b867-3b2957	urn:lsid:biocol.org:co
Dehn river, I	7,608611	-8,622778	1265266821	8a830cf8-88ad-481a-a084-41aace5	urn:lsid:biocol.org:co
Liend stream	7,485556	-8,656667	1265266660	78b30832-e650-4e83-94c7-9f89e0	urn:lsid:biocol.org:co
Ewah stream	7,578056	-8,611111	1265266491	59c5d0e8-2d2c-47b3-8880-94be95	urn:lsid:biocol.org:co
Yuelliton St	7,559722	-8,631389	1265266400	4b353985-5562-40ac-83c0-a4d1d1	urn:lsid:biocol.org:co
Small stream	7,461944	-8,666389	1265266386	4f035ed5-4ab7-4481-bacf-1e98525	urn:lsid:biocol.org:co
Small stream	7,458333	-8,665556	1265266348	41d56a6b-5596-4bba-940f-5dedb8	urn:lsid:biocol.org:co
Bee river, Sa	7,369556	-8,697278	1265266189	36151b47-fc21-11e2-ac3f-081965b	urn:lsid:biocol.org:co
Gola Nationa	7,456	-10,691	197015331	197015331	
Gola Nationa	7,453	-10,692	197015330	197015330	
Pic de Fon	8,533	-8,9	197015298	197015298	
Haute Dodo	4,9	-7,316	197015230	197015230	
Edib Village	4,9606	9,6686	890183568	urn:catalog:CAS:HERP:254120	CAS
Manengouba	4,959439	9,865061	890183347	urn:catalog:CAS:HERP:253831	CAS
Manengouba	4,959439	9,865061	890183334	urn:catalog:CAS:HERP:253827	CAS

Manengouba	4,959439	9,865061	890183321	urn:catalog:CAS:HERP:253826	CAS
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Manengouba	4,959439	9,865061	890183310	urn:catalog:CAS:HERP:253825	CAS
Manengouba	4,959439	9,865061	890183304	urn:catalog:CAS:HERP:253828	CAS
Edib Village	4,9606	9,6686	890183232	urn:catalog:CAS:HERP:254119	CAS
Manengouba	4,959439	9,865061	890183214	urn:catalog:CAS:HERP:253835	CAS
Manengouba	4,959439	9,865061	890183210	urn:catalog:CAS:HERP:253833	CAS
Manengouba	4,959439	9,865061	890183203	urn:catalog:CAS:HERP:253824	CAS
Manengouba	4,959439	9,865061	890183192	urn:catalog:CAS:HERP:253823	CAS
Manengouba	4,959439	9,865061	890183178	urn:catalog:CAS:HERP:253822	CAS
Forest above	4,991	9,979	1899932169	618868da-f2f7-4d2b-b4d0-9b2db8	http://grbio.org/cool/
Forest above	4,991	9,979	1899932122	bdd94d31-3746-42c4-9451-9536f8	http://grbio.org/cool/
Forest above	4,991	9,979	1899932086	10925ae0-a7e1-46f7-b1d9-69d520	http://grbio.org/cool/
Forest above	4,991	9,979	1899932085	0f38d78a-5d86-456e-8d23-dcabe5	http://grbio.org/cool/
Ekomtolo	4,83	9,93	1319842523	http://n2t.net/ark:/65665/374c5e7	http://biocol.org/urn:l
Lake Edib	4,95	9,67	1319539193	http://n2t.net/ark:/65665/3675bd4	http://biocol.org/urn:l
	5,01667	9,76667	1830938770	http://id.smns-bw.org/smns/collection/21247/464643/42	
Nsoung [VE	4,983333	9,813333	476575814	MCZ:Herp:A-137941	b4640710-8e03-11d8-
Nsoung	4,981389	9,813333	476575812	MCZ:Herp:A-137939	b4640710-8e03-11d8-
Nsoung	4,981389	9,813333	476575720	MCZ:Herp:A-137938	b4640710-8e03-11d8-
Manengouba	4,985311	9,811139	2430638157	urn:catalog:CAS:HERP:264065	CAS
Manengouba	4,98531	9,81114	1249225790	805f37ba-fe9a-436a-a333-5790fdd	http://grbio.org/cool/
Fulani villag	5,013	9,87	1899932146	00367a77-7b7c-4ce3-85b6-0ec716	http://grbio.org/cool/
Fulani villag	5,041	9,857	1899932129	ae9eb28b-4e49-4230-9725-daaa76(	http://grbio.org/cool/
	4,98333	9,86667	1830938636	http://id.smns-bw.org/smns/collection/21250/464646/42	
	4,98333	9,86667	1830938627	http://id.smns-bw.org/smns/collection/21249/464645/42	
Mt. Mbam	5,983333	12,416667	476588307	MCZ:Herp:A-137967	b4640710-8e03-11d8-
Mt. Mbam	5,766667	14,1	476588306	MCZ:Herp:A-137966	b4640710-8e03-11d8-
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Elak Oku Vi	6,245833	10,506389	476583063	MCZ:Herp:A-137976	b4640710-8e03-11d8-
Elak Oku Vi	6,245833	10,506389	476583062	MCZ:Herp:A-137975	b4640710-8e03-11d8-
Lake Awing	5,863056	10,198889	476583061	MCZ:Herp:A-137974	b4640710-8e03-11d8-
Bamboutos	5,623333	10,110833	476583059	MCZ:Herp:A-137971	b4640710-8e03-11d8-
Mt. Mbam	5,983333	12,416667	476582964	MCZ:Herp:A-137969	b4640710-8e03-11d8-
Mt. Mbam	5,766667	14,1	476575822	MCZ:Herp:A-137964	b4640710-8e03-11d8-
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Mt. Maneng	5,03	9,843611	476575721	MCZ:Herp:A-137953	b4640710-8e03-11d8-
Nsoung [VE	4,984722	9,811111	476575719	MCZ:Herp:A-137937	b4640710-8e03-11d8-
Mt. Mbam	5,983333	12,416667	476480901	MCZ:Herp:A-137968	b4640710-8e03-11d8-
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Ganganya Bı	1,5142	17,9378	3028114644	http://n2t.net/ark:/65665/3b6b31b	http://grbio.org/cool/
Ganganya Bı	1,5142	17,9378	3028059227	http://n2t.net/ark:/65665/31a0036	http://grbio.org/cool/
Ganganya Bı	1,5142	17,9378	3028029529	http://n2t.net/ark:/65665/3cefc6d0	http://grbio.org/cool/
Ganganya Bı	1,5142	17,9378	3028023444	http://n2t.net/ark:/65665/3ad7e60	http://grbio.org/cool/

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Ganganya Bı	1,5142	17,9378	3027982407	http://n2t.net/ark:/65665/33e1f8ea	http://grbio.org/cool/1
Ganganya Bı	1,5142	17,9378	3027971181	http://n2t.net/ark:/65665/3365a8f1	http://grbio.org/cool/1
Ganganya Bı	1,5142	17,9378	3027965323	http://n2t.net/ark:/65665/300aca19	http://grbio.org/cool/1
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Republic of	1,51	17,94	2310980267	KY079568	
Republic of	1,51	17,94	2310948052	KY079569	
Republic of	1,51	17,94	2310905457	KY079570	
Republic of	1,51	17,94	2310783079	KY080095	
Republic of	1,51	17,94	2308668165	KY080097	
Npenda Villa	-0,73836	18,22145	2234845627	http://arctos.database.museum/gui	UTEP
Ganganya Bı	1,5142	17,9378	1322799973	http://n2t.net/ark:/65665/3f7a55cf	http://biocol.org/urn:l
Ganganya Bı	1,51413	17,9378	1322552427	http://n2t.net/ark:/65665/3eca857a	http://biocol.org/urn:l
Ganganya Bı	1,5142	17,9378	1321931718	http://n2t.net/ark:/65665/3d1354e	http://biocol.org/urn:l
Ganganya Bı	1,5142	17,9378	1321676597	http://n2t.net/ark:/65665/3c5dd5b	http://biocol.org/urn:l
Ganganya Bı	1,5142	17,9378	1321485485	http://n2t.net/ark:/65665/3bd664f	http://biocol.org/urn:l
Ganganya Bı	1,5142	17,9378	1321412376	http://n2t.net/ark:/65665/3ba2e51a	http://biocol.org/urn:l
Ganganya Bı	1,5142	17,9378	1320178898	http://n2t.net/ark:/65665/383a5bd	http://biocol.org/urn:l
Ganganya Bı	1,5142	17,9378	1319448766	http://n2t.net/ark:/65665/36361c3	http://biocol.org/urn:l
Ganganya Bı	1,5142	17,9378	1318576792	http://n2t.net/ark:/65665/33cc967	http://biocol.org/urn:l
Ganganya Bı	1,5142	17,9378	1317496734	http://n2t.net/ark:/65665/30d098c	http://biocol.org/urn:l
02 09 13.78	-2,15383	13,64176	1211002684	urn:catalog:CAS:HERP:258250	CAS
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Masako Res	0,61064	25,26188	2579617188	4993802fd66c2dc316bcd919596266ad1324fd90	
Masako Res	0,59769	25,26007	2579617176	3058d43f9160c231f7b4891b12586ef22a284f4e	
Masako Res	0,59769	25,26007	2579617131	69e533446e4f3cf363291af4587318657678e3af	
Masako Res	0,59769	25,26007	2579617125	5273fe9f425a13320c1626f902b033e72a96151e	
Masako Res	0,59852	25,26009	2579617029	f34fc002e7e6a4586a41e69eb34a242742ea6532	
Masako Res	0,61064	25,26188	2579616950	a5fdc1c32bda4bd2d097959229305514a14b13ba	
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Boi-Tano/Ta	5,533	-2,617	197015260	197015260	
Agbassa	8,800324	2,254953	2465039304	2019_AN_0106	
Bonou, Gna	6,932059	2,385821	2237035513	ODDB_226	
Bonou, Gna	6,931099	2,385525	2237035469	ODDB_231	
	5,385708	-4,051203	1948745435	18730415	
Mundemba t	5,06921	8,85979	1309944494	b1b398e7-87a7-43ec-bb8e-276e1f	http://grbio.org/cool/i
Eastern Regi	6,12799	-0,6289	1303200046	http://arctos.database.museum/gui	UWBM
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Eastern Regi	6,24246	-0,5571	1146416505	http://arctos.database.museum/gui	UWBM
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Eastern Regi	6,24246	-0,5571	1146416494	http://arctos.database.museum/gui	UWBM
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Lac Oguemo	-1,11043	10,03305	890183943	urn:catalog:CAS:HERP:254555	CAS
ca 3.6 km N	3,483028	8,582	543561101	urn:catalog:CAS:HERP:207956	CAS
	7,2333333	12,05			
	-2,326778	12,793028	2851010976	55211735	
	-2,326722	12,792417	2814194051	51087633	
Nkala Villag	-2,58555	16,47182	2234845828	http://arctos.database.museum/gui	UTEP
Nkala Villag	-2,58555	16,47182	2234844306	http://arctos.database.museum/gui	UTEP
Ndikinimeki	4,757361	10,811111	1989834111	a4b6f65f-d1cc-44dc-bb64-7519c88806f0	
Befolon, nea	3,486667	12,800056	1989833862	803b4b9f-16e0-4f3a-a339-91464754d14d	
Kon-Yambet	4,834139	11,058278	1989833797	94493b5e-9e3c-444c-9046-62e7e73a6bc3	
Ndikinimeki	4,757361	10,811111	1989833746	571e1443-95c8-453c-be52-70cb06ee1b0f	
Campo Maa	2,35495	10,26555	1135646354	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
Manjo, Man	4,850003	9,767336	1062024842	urn:catalog:CAS:HERP:256897	CAS
Manjo, Man	4,850003	9,767336	1062024811	urn:catalog:CAS:HERP:256913	CAS
Manjo, Man	4,850003	9,767336	1062024788	urn:catalog:CAS:HERP:256892	CAS
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Manjo, Man	4,850003	9,767336	1062024745	urn:catalog:CAS:HERP:256894	CAS
Manjo, Man	4,850003	9,767336	1062024744	urn:catalog:CAS:HERP:256893	CAS
Manjo, Man	4,850003	9,767336	1062024743	urn:catalog:CAS:HERP:256896	CAS
Manjo, Man	4,850003	9,767336	1062024741	urn:catalog:CAS:HERP:256895	CAS
Manjo, Man	4,849681	9,771869	1062024598	urn:catalog:CAS:HERP:256710	CAS
Monts de Cı	0,45358	10,27809	476769189	MCZ:Herp:A-139646	b4640710-8e03-11d8-
Monts de Cı	0,45358	10,27809	476769187	MCZ:Herp:A-139647	b4640710-8e03-11d8-
	-2,405889	12,841444	2850959965	55208171	
MÃ©keng, (	3,4	11,25	614811258		
Lebayi field	-2,67783	13,5868	3028046347	http://n2t.net/ark:/65665/3e668c8(	http://grbio.org/cool/1
Lebayi field	-2,67783	13,5868	3027982208	http://n2t.net/ark:/65665/351814e:	http://grbio.org/cool/1
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	4,30031	10,338483	2626340821	46183464	
Republic of	-2,68	13,59	2311233612	KY080098	
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Manjo, Litto	4,827056	9,78575	1989834081	f8cb6f96-fdbf-4263-80c3-7176bf37826c	
Ndikinimeki	4,757361	10,811111	1989833768	70c54167-314e-4e65-ac04-a593b53f3198	
Kessala Villa	-1,89084	13,8985	1935014509	b2f8f31b-ece1-43d1-991a-d0865dd9ce40	
Edjangoulou	-1,45549	14,4254	1935014452	5297e0c0-0915-42ea-8426-70de185b21e0	
Enguengue V	4,91725	9,98705	1899932139	5c3ae1cf-e935-4482-8c88-0c2efc37	http://grbio.org/cool/1
Enguengue V	4,91725	9,98705	1899932116	62e5a9d7-81ae-4059-8565-961d1b	http://grbio.org/cool/1
Ogooue Rive	-1,16282	11,81675	1839291880	e1573d55-d1ea-4323-9106-3346cc0336af	
Nguengue	4,9172	9,9892	1321968148	http://n2t.net/ark:/65665/3d2d0c2(	http://biocol.org/urn:l

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Nguengue	4,9172	9,9892	1321129877	http://n2t.net/ark:/65665/3adaf1e3	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1320939035	http://n2t.net/ark:/65665/3a54645	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1320359437	http://n2t.net/ark:/65665/38ba990	http://biocol.org/urn:l
Korup Natio	5,275	9,18	1319921133	http://n2t.net/ark:/65665/37843f0	http://biocol.org/urn:l
Lebayi field	-2,67783	13,5868	1318233208	http://n2t.net/ark:/65665/32d9505	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1317666118	http://n2t.net/ark:/65665/3148273	http://biocol.org/urn:l
Mondemba t	5,06911	8,85972	1309944573	2c6e2594-517f-4b87-8584-221c68	http://grbio.org/cool/i
Mboua	-2,15461	13,6414	1249234381	urn:catalog:OMNH:OCGR:13753	
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Mitone, 00	-0,64375	10,22071	1211002444	urn:catalog:CAS:HERP:258016	CAS
Fopouanga,	5,008	10,1789	1145546387	http://arctos.database.museum/gui	MVZ
Bangoua, 5	5,21687	10,48567	890184354	urn:catalog:CAS:HERP:254191	CAS
Bangangte,	5,15301	10,53249	890183684	urn:catalog:CAS:HERP:254213	CAS
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Bangoua, 5	5,21687	10,48567	890183629	urn:catalog:CAS:HERP:254192	CAS
Bangoua, 5	5,21687	10,48567	890183623	urn:catalog:CAS:HERP:254193	CAS
Manengouba	4,959439	9,865061	890183361	urn:catalog:CAS:HERP:253840	CAS
Mekas, Dja	3,169119	12,528869	890183024	urn:catalog:CAS:HERP:253567	CAS
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Dja Reserve,	3,190556	12,811667	543551515	urn:catalog:CAS:HERP:199329	CAS
Ca Yokadou	3,522667	15,0525	543499588	urn:catalog:CAS:HERP:152594	CAS
Mont Birou	-1,627778	12,363056	1839364926	MCZ:Herp:A-149163	b4640710-8e03-11d8
E of Ntale V	5,331392	9,65812	476578436	MCZ:Herp:A-136796	b4640710-8e03-11d8
Nkalakie Vil	3,966389	11,3775	476575718	MCZ:Herp:A-137936	b4640710-8e03-11d8
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Nkalakie Vil	3,966389	11,3775	476575619	MCZ:Herp:A-137931	b4640710-8e03-11d8
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Bambama vi	-2,547	13,5303	3028130161	http://n2t.net/ark:/65665/3dd01b8	http://grbio.org/cool/
Kissiki field	-2,78983	13,517	3028089520	http://n2t.net/ark:/65665/359eecee	http://grbio.org/cool/
Bambama vi	-2,547	13,5303	3028086514	http://n2t.net/ark:/65665/35a8e85	http://grbio.org/cool/
Kissiki field	-2,78983	13,517	3028029721	http://n2t.net/ark:/65665/3d476d9	http://grbio.org/cool/
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Republic of	-2,79	13,52	2310358148	KY079572	
Kissiki field	-2,78983	13,517	1321556746	http://n2t.net/ark:/65665/3c08e11	http://biocol.org/urn:l
Bambama vi	-2,547	13,5303	1317490607	http://n2t.net/ark:/65665/30cc2b8	http://biocol.org/urn:l

	-1,9425	9,8525	3025926976	https://darwin.naturalsciences.be/u	https://www.wikidata
Yoko Reserv	0,29397	25,29512	2579616934	b58c5ab57662d8bcec10931d1c2507ab36e04e3d	
Yoko Reserv	0,30036	25,27924	2579616835	e6f87848abd0a639e0221063ee175a8d8b0db658	
Yoko Reserv	0,30036	25,27924	2579616740	151f06040eeb433546d996c02e7177730828cb0e	
Yoko Reserv	0,29397	25,29512	2579616676	705040bd0f2ea3b4e2b65230694ba974b831dee7	
Lukumete	1,294	23,431	197029104	197029104	
Mt. Maneng	5,010556	9,856667	476797206	MCZ:Herp:A-138157	b4640710-8e03-11d8·
Mt. Maneng	5,03	9,843611	476792278	MCZ:Herp:A-138156	b4640710-8e03-11d8·
Mt. Maneng	5,010556	9,856667	476588743	MCZ:Herp:A-137910	b4640710-8e03-11d8·
Mt. Maneng	5,010556	9,856667	476588742	MCZ:Herp:A-137909	b4640710-8e03-11d8·
Mt. Maneng	5,03	9,843611	476588741	MCZ:Herp:A-137908	b4640710-8e03-11d8·
Mt. Maneng	5,010556	9,856667	476587896	MCZ:Herp:A-138159	b4640710-8e03-11d8·
Mt. Maneng	5,010556	9,856667	476587895	MCZ:Herp:A-138158	b4640710-8e03-11d8·
Mt. Maneng	5,03	9,843611	476587794	MCZ:Herp:A-138155	b4640710-8e03-11d8·
Mt. Maneng	5,010556	9,856667	476587793	MCZ:Herp:A-138154	b4640710-8e03-11d8·
Mt. Maneng	5,010556	9,856667	476587792	MCZ:Herp:A-138153	b4640710-8e03-11d8·
Fulani villag	5,023	9,876	1899932145	e134ff24-3e90-4520-83d4-469222	http://grbio.org/cool/
Nguengue	4,9172	9,9892	1318010437	http://n2t.net/ark:/65665/323bd28	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1317932801	http://n2t.net/ark:/65665/3204a62	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1317756803	http://n2t.net/ark:/65665/318831f	http://biocol.org/urn:l
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	5	9,73333	1830942079	http://id.smns-bw.org/smns/collection/21154/464550/42	
	4,98333	9,86667	1830942076	http://id.smns-bw.org/smns/collection/21152/464548/42	
	4,98333	9,86667	1830942053	http://id.smns-bw.org/smns/collection/21153/464549/42	
	4,98333	9,86667	1830941896	http://id.smns-bw.org/smns/collection/21151/464547/42	
Nsoung [VE	4,983333	9,813333	476588740	MCZ:Herp:A-137907	b4640710-8e03-11d8·
Nsoung [VE	4,981389	9,813333	476588642	MCZ:Herp:A-137905	b4640710-8e03-11d8·
Nsoung [VE	4,981389	9,813333	476481335	MCZ:Herp:A-137906	b4640710-8e03-11d8·
Lama(F.C)	6,9166	2,1666	1042789738	8633	
ForÃªt de Lo	7,0833	2,1	1042789714	8632	
RB Pendjari	10,9333	1,1166	1042789692	8631	
	7,7739	-10,7159	891767196	465159	
	5,83431	-7,34917	1830943125	http://id.smns-bw.org/smns/collection/21339/892568/41	
Guiroutou	5,41667	-7,16667	1830942110	http://id.smns-bw.org/smns/collection/21340/464736/41	
SRET Static	5,83328	-7,34239	1830942082	http://id.smns-bw.org/smns/collection/21341/464737/41	
SRET Static	5,83328	-7,34239	1830942056	http://id.smns-bw.org/smns/collection/21342/464738/41	
Mount Bero	8,13908	-8,57325	1830942048	http://id.smns-bw.org/smns/collection/21338/464734/41	
Simandou, 6	8,52498	-8,93673	1830942017	http://id.smns-bw.org/smns/collection/20167/463563/41	
Draw River	5,16165	-2,39199	1830942010	http://id.smns-bw.org/smns/collection/20166/463562/42	
Simandou, 6	8,52498	-8,93673	1830941987	http://id.smns-bw.org/smns/collection/20168/463564/41	
Mt. Oku, 6	6,221914	10,524539	1062024862	urn:catalog:CAS:HERP:256950	CAS
Dikome Bal	4,9167	9,25	1056782307	3349030	
Mt. Maneng	5,0333	9,85	1055512026	3349026	
Bamboutos	5,623333	10,110833	476588951	MCZ:Herp:A-137921	b4640710-8e03-11d8·

Bamboutos	5,623333	10,110833	476588950	MCZ:Herp:A-137920	b4640710-8e03-11d8·
Bamboutos	5,623333	10,110833	476588849	MCZ:Herp:A-137919	b4640710-8e03-11d8·
near Bambou	5,668611	10,103056	476481337	MCZ:Herp:A-137922	b4640710-8e03-11d8·
Mt. Oku, for	6,183333	10,516667	476479880	MCZ:Herp:A-137927	b4640710-8e03-11d8·
Fulani villag	5,051	9,853	1899932149	6a5772c4-3fce-4b1d-a583-959a89c	http://grbio.org/cool/
Fulani villag	5,051	9,853	1899932133	ea8fcf21-264b-4301-a592-9f6bba0	http://grbio.org/cool/
Fulani villag	5,051	9,853	1899932124	971d920b-3eeb-4b5e-826f-3947c0	http://grbio.org/cool/
Fulani villag	5,051	9,853	1899932107	2e7c1efd-66da-4bb1-80cb-69de0b7	http://grbio.org/cool/
Fulani villag	5,036	9,864	1899932105	e452b417-8473-4700-9825-a8108	http://grbio.org/cool/
Fulani villag	5,051	9,853	1899932100	b4ea45b4-be75-44a7-bbc7-44a81e	http://grbio.org/cool/
Pastoral	5	10,41667	1830942122	http://id.smns-bw.org/smns/collection/21158/464554/42	
Pastoral	5	10,41667	1830942107	http://id.smns-bw.org/smns/collection/21159/464555/42	
Nsoung	4,98333	9,8	1830942073	http://id.smns-bw.org/smns/collection/21157/464553/42	
Nsoung	4,98333	9,8	1830942058	http://id.smns-bw.org/smns/collection/21156/464552/42	
	5,01667	9,76667	1830941998	http://id.smns-bw.org/smns/collection/21160/464556/42	
Bamboutos	5,661389	10,126944	476588848	MCZ:Herp:A-137918	b4640710-8e03-11d8·
Bamboutos	5,661389	10,126944	476588847	MCZ:Herp:A-137917	b4640710-8e03-11d8·
Bamboutos	5,661389	10,126944	476588846	MCZ:Herp:A-137916	b4640710-8e03-11d8·
Elak Oku Vi	6,244167	10,504722	476577077	MCZ:Herp:A-137924	b4640710-8e03-11d8·
Elak Oku Vi	6,244167	10,504722	476575614	MCZ:Herp:A-137925	b4640710-8e03-11d8·
Obudu Cattl	6,42517	9,36238	1145566196	http://arctos.database.museum/gui	MVZ
village at Mt	5,983333	12,416667	476588845	MCZ:Herp:A-137915	b4640710-8e03-11d8·
village at Mt	5,983333	12,416667	476588844	MCZ:Herp:A-137913	b4640710-8e03-11d8·
village at Mt	5,983333	12,416667	476588745	MCZ:Herp:A-137912	b4640710-8e03-11d8·
Elak Oku Vi	6,245833	10,506389	476575615	MCZ:Herp:A-137926	b4640710-8e03-11d8·
village at Mt	5,983333	12,416667	476481336	MCZ:Herp:A-137914	b4640710-8e03-11d8·
Reserve Natu	-3,43153	29,01164	2234844755	http://arctos.database.museum/gui	UTEP
Reserve Natu	-3,43153	29,01164	2234844652	http://arctos.database.museum/gui	UTEP
Reserve Natu	-3,43184	29,01411	2234844565	http://arctos.database.museum/gui	UTEP
Reserve Natu	-3,43184	29,01411	2234844186	http://arctos.database.museum/gui	UTEP
Reserve Natu	-3,43153	29,01164	2234844150	http://arctos.database.museum/gui	UTEP
Reserve Natu	-3,43184	29,01411	2234844045	http://arctos.database.museum/gui	UTEP
Reserve Natu	-3,43184	29,01411	2234843944	http://arctos.database.museum/gui	UTEP
Reserve Natu	-3,43153	29,01164	2234843535	http://arctos.database.museum/gui	UTEP
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Reserve Natu	-3,43184	29,01411	2234841824	http://arctos.database.museum/gui	UTEP
Vicinity of s	11,307222	-12,330833	687005782	b04e023a-b069-11e3-8cfe-90b11c4	http://grbio.org/cool/
Cold water s	7,546389	-8,541111	1265266954	a3724187-e5d6-46fa-a9d9-3f9d48(	urn:lsid:biocol.org:co
Yuelliton St	7,559722	-8,631389	1265266410	4d9b9334-9cd2-4a48-b168-bd4cda	urn:lsid:biocol.org:co
Grebo Natio	5,406	-7,735	197063432	197063432	
Gola Nationa	7,453	-10,692	197063431	197063431	
Foret Classe	8,142	-8,569	197061415	197061415	
Foret Classe	8,139	-8,573	197061414	197061414	
Foret Classe	7,496	-8,833	197061413	197061413	

Foret Classe	7,595	-8,865	197061412	197061412	
Foret Classe	7,595	-8,221	197061411	197061411	
	-2,301667	12,845	3044634879	69382866	
Loungou fiel	-2,4922	13,7431	3028113404	http://n2t.net/ark:/65665/3b40d94	http://grbio.org/cool/1
Loungou fiel	-2,4922	13,7431	3028082092	http://n2t.net/ark:/65665/370384d	http://grbio.org/cool/1
Loungou fiel	-2,4856	13,7172	3028077645	http://n2t.net/ark:/65665/3453fef3	http://grbio.org/cool/1
Kissiki field	-2,78983	13,5343	3028031970	http://n2t.net/ark:/65665/3de73bd	http://grbio.org/cool/1
Kissiki field	-2,78983	13,5343	3028018951	http://n2t.net/ark:/65665/3bc81ba	http://grbio.org/cool/1
Loungou fiel	-2,4856	13,7172	3028014544	http://n2t.net/ark:/65665/3950c1c	http://grbio.org/cool/1
Republic of	-2,49	13,74	2307037626	KY079583	
Republic of	-2,49	13,72	2306407701	KY079581	
Republic of	-2,49	13,74	2305451981	KY080109	
Republic of	-2,79	13,53	2305372903	KY080108	
Republic of	-2,79	13,53	2304591253	KY079582	
Campo, Mir	2,37175	9,855389	1989834039	b0feaef8-a577-4be4-9ebe-0cc1ce3d55a7	
Ogooue Rive	-1,16641	11,81552	1839291809	c3fd298e-f166-455c-b43c-bddea7101ae4	
Congo River	-2,10339	12,13954	1839291758	b83fea4f-ee8d-4ce3-9454-329f43e3e246	
Ogooue Rive	-1,16641	11,81552	1839291684	a1509710-e1a8-4967-a8e4-d9f488dda038	
Ogooue Rive	-1,17436	11,82401	1839291640	959574cd-4471-4aa3-8149-c5b807183b01	
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Ogooue Rive	-1,17436	11,82401	1839291338	37c97c0e-b942-45bb-b20a-7bf542d87a1f	
Ogooue Rive	-1,15903	11,81952	1839291327	357be714-51aa-4130-b0eb-336d985041a1	
Loungou fiel	-2,4856	13,7172	1322760939	http://n2t.net/ark:/65665/3f5e558e	http://biocol.org/urn:l
Loungou fiel	-2,4922	13,7431	1321959101	http://n2t.net/ark:/65665/3d26bb1	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1321842279	http://n2t.net/ark:/65665/3cd3bb6	http://biocol.org/urn:l
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Kissiki field	-2,78983	13,5343	1320750596	http://n2t.net/ark:/65665/39cf5a42	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1320538728	http://n2t.net/ark:/65665/393937d	http://biocol.org/urn:l
Tancho / Lol	3,02	10,4	1320495620	http://n2t.net/ark:/65665/391a9b9	http://biocol.org/urn:l
Nnemeyong/	2,45	10,47	1320437572	http://n2t.net/ark:/65665/38f1d748	http://biocol.org/urn:l
Nnemeyong/	2,45	10,47	1320402343	http://n2t.net/ark:/65665/38d8d13	http://biocol.org/urn:l
Nnemeyong/	2,45	10,47	1319761864	http://n2t.net/ark:/65665/3713a69	http://biocol.org/urn:l
Nnemeyong/	2,45	10,47	1319714046	http://n2t.net/ark:/65665/36f195d9	http://biocol.org/urn:l
Nnemeyong/	2,45	10,47	1319596171	http://n2t.net/ark:/65665/369e0ef6	http://biocol.org/urn:l
Tancho / Lol	3,02	10,4	1317893104	http://n2t.net/ark:/65665/31e8b913	http://biocol.org/urn:l
Tancho / Lol	3,02	10,4	1317619452	http://n2t.net/ark:/65665/31270d7	http://biocol.org/urn:l
Cariven_Vill	-0,19395	10,78477	1249234411	urn:catalog:OMNH:OCGR:13735	
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02 07 28.12	-2,12448	13,63506	1211002765	urn:catalog:CAS:HERP:258277	CAS
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Elephant Riv	-0,04916	11,16428	1211002609	urn:catalog:CAS:HERP:258123	CAS
Elephant Riv	-0,04916	11,16428	1211002583	urn:catalog:CAS:HERP:258122	CAS
00 11 38.22	-0,19395	10,78477	1211002513	urn:catalog:CAS:HERP:258084	CAS

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Mitone Rive	-0,63971	10,21318	1211002489	urn:catalog:CAS:HERP:257993	CAS
Stream soutl	5,35679	8,43212	1145566216	http://arctos.database.museum/gui	MVZ
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	1,129846	11,266032	1039472043	urn:uuid:8cef72cd-ca0f-4c15-b558-00437fafbe35	
Arena Blanc	3,52775	8,579389	543560896	urn:catalog:CAS:HERP:207771	CAS
Dja Reserve,	3,190556	12,811667	543551536	urn:catalog:CAS:HERP:199348	CAS
157 km SW	2,408667	10,405833	543500735	urn:catalog:CAS:HERP:153626	CAS
Avundi, 35 l	3,133889	10,9305	543500734	urn:catalog:CAS:HERP:153625	CAS
Avundi, 35 l	3,133889	10,9305	543500733	urn:catalog:CAS:HERP:153624	CAS
Avundi, 35 l	3,133889	10,9305	543500732	urn:catalog:CAS:HERP:153623	CAS
Lolodorf	3,2345	10,729333	543500681	urn:catalog:CAS:HERP:153578	CAS
Ivindo Natio	0,50367	12,79407	476792940	MCZ:Herp:A-139723	b4640710-8e03-11d8·
Ivindo Natio	0,29271	12,57392	476772801	MCZ:Herp:A-140278	b4640710-8e03-11d8·
Ivindo Natio	0,29271	12,57392	476772708	MCZ:Herp:A-140277	b4640710-8e03-11d8·
Ivindo Natio	0,50367	12,79407	476769846	MCZ:Herp:A-139724	b4640710-8e03-11d8·
Ivindo Natio	0,50367	12,79407	476769709	MCZ:Herp:A-139721	b4640710-8e03-11d8·
Ivindo Natio	0,50367	12,79407	476768396	MCZ:Herp:A-139727	b4640710-8e03-11d8·
Ivindo Natio	0,50367	12,79407	476768395	MCZ:Herp:A-139726	b4640710-8e03-11d8·
IguÃ©la	-1,90217	9,32854	476765661	MCZ:Herp:A-140285	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578757	MCZ:Herp:A-136807	b4640710-8e03-11d8·
Obang, fores	6,228333	10,0875	476578485	MCZ:Herp:A-138145	b4640710-8e03-11d8·
Ivindo Natio	0,50367	12,79407	476509721	MCZ:Herp:A-139725	b4640710-8e03-11d8·
Ivindo Natio	0,50367	12,79407	476509702	MCZ:Herp:A-139722	b4640710-8e03-11d8·
Monts de Cı	0,45358	10,27809	476509699	MCZ:Herp:A-139652	b4640710-8e03-11d8·
IguÃ©la	-1,8238	9,38251	476508385	MCZ:Herp:A-140280	b4640710-8e03-11d8·
Eastern Regi	6,23272	-0,55196	1146416545	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,23272	-0,55196	1146416522	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,23272	-0,55196	1146416516	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,23272	-0,55196	1146416511	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,23272	-0,55196	1146416488	http://arctos.database.museum/gui	UWBM
Lipombe II /	3,5	10,88	1322951534	http://n2t.net/ark:/65665/3fe5cdea	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1322346197	http://n2t.net/ark:/65665/3e38b4d	http://biocol.org/urn:l
Mangamba	4,8	9,88	1322308750	http://n2t.net/ark:/65665/3e1e763	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1322222605	http://n2t.net/ark:/65665/3de13db	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1322146131	http://n2t.net/ark:/65665/3dab5ae	http://biocol.org/urn:l
Mangamba	4,8	9,88	1321962307	http://n2t.net/ark:/65665/3d28ecc2	http://biocol.org/urn:l
Ekomtolo / 1	4,83	9,93	1321897167	http://n2t.net/ark:/65665/3cfabb50	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1321704613	http://n2t.net/ark:/65665/3c71c3fc	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1321476007	http://n2t.net/ark:/65665/3bcfad8a	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1321086850	http://n2t.net/ark:/65665/3abcb97	http://biocol.org/urn:l
Njabelobe / 1	2,78	10,62	1321064496	http://n2t.net/ark:/65665/3aacdc31	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1321021567	http://n2t.net/ark:/65665/3a8ea7ce	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1320818715	http://n2t.net/ark:/65665/39ff4f2d	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1320778355	http://n2t.net/ark:/65665/39e2d2a	http://biocol.org/urn:l

Nkonine / N	4,83	9,93	1320729036	http://n2t.net/ark:/65665/39c025b	http://biocol.org/urn:l
Njabelobe /	2,78	10,62	1320645133	http://n2t.net/ark:/65665/3984bae	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1320377218	http://n2t.net/ark:/65665/38c717f	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1320312607	http://n2t.net/ark:/65665/389967f	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1320303940	http://n2t.net/ark:/65665/38932a0	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1320217963	http://n2t.net/ark:/65665/3856096	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1320151794	http://n2t.net/ark:/65665/3827373	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1320097015	http://n2t.net/ark:/65665/380080d	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1320001816	http://n2t.net/ark:/65665/37bd480	http://biocol.org/urn:l
Ekomtolo /	4,83	9,93	1319959945	http://n2t.net/ark:/65665/379fcba9	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1319858725	http://n2t.net/ark:/65665/3757f87	http://biocol.org/urn:l
Ekomtolo /	4,83	9,93	1319780700	http://n2t.net/ark:/65665/3720ee97	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1319770598	http://n2t.net/ark:/65665/3719b58	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1319256539	http://n2t.net/ark:/65665/35adfc3e	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1319141179	http://n2t.net/ark:/65665/355bfa87	http://biocol.org/urn:l
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Lipombe II /	3,5	10,88	1318617710	http://n2t.net/ark:/65665/33e9832	http://biocol.org/urn:l
Mangamba	4,8	9,88	1318570707	http://n2t.net/ark:/65665/33c83ec1	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1318156424	http://n2t.net/ark:/65665/32a2e9a6	http://biocol.org/urn:l
Bibindi / Lo	3,08	10,4	1317841196	http://n2t.net/ark:/65665/31c3f025	http://biocol.org/urn:l
Njabelobe /	2,78	10,62	1317804996	http://n2t.net/ark:/65665/31aa25a2	http://biocol.org/urn:l
Ebako	4,85	9,87	1317651053	http://n2t.net/ark:/65665/313d5a0	http://biocol.org/urn:l
Mangamba	4,8	9,88	1317640708	http://n2t.net/ark:/65665/3136094	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1317546104	http://n2t.net/ark:/65665/30f38d32	http://biocol.org/urn:l
Mamba / Dil	4,28	10,13	1317253741	http://n2t.net/ark:/65665/30244de	http://biocol.org/urn:l
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Manjo, Man	4,855081	9,818769	1062024707	urn:catalog:CAS:HERP:256830	CAS
Nyabessan,	2,408667	10,405833	543500731	urn:catalog:CAS:HERP:153622	CAS
Nyabessan,	2,408667	10,405833	543500730	urn:catalog:CAS:HERP:153621	CAS
Nyabessan,	2,408667	10,405833	543500729	urn:catalog:CAS:HERP:153620	CAS
Bakossi Mo	5,12	9,72	1322899471	http://n2t.net/ark:/65665/3fc0e61c	http://biocol.org/urn:l
Bakossi Mo	5,12	9,72	1322444310	http://n2t.net/ark:/65665/3e7e36b4	http://biocol.org/urn:l
Lake Edib	4,95	9,67	1321153517	http://n2t.net/ark:/65665/3aebb4d5	http://biocol.org/urn:l
Bakossi Mo	2,8	9,9	1320350551	http://n2t.net/ark:/65665/38b4547	http://biocol.org/urn:l
Lake Edib	4,28	10,13	1319220843	http://n2t.net/ark:/65665/3594c23	http://biocol.org/urn:l
Lake Edib	4,95	9,67	1318569713	http://n2t.net/ark:/65665/33c775b	http://biocol.org/urn:l
Bakossi Mo	2,8	9,9	1318259295	http://n2t.net/ark:/65665/32ebc71	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1317991775	http://n2t.net/ark:/65665/322e6bd	http://biocol.org/urn:l
Lake Edib	4,95	9,67	1317694271	http://n2t.net/ark:/65665/315bfdb	http://biocol.org/urn:l
Lake Edib	4,95	9,67	1317678164	http://n2t.net/ark:/65665/31508c7	http://biocol.org/urn:l
Manjo, Man	4,850581	9,767056	1062024764	urn:catalog:CAS:HERP:256821	CAS
Manjo, Man	4,850581	9,767056	1062024746	urn:catalog:CAS:HERP:256822	CAS
Northeastern	4,24729	9,26588	1899932165	fd38ffcb-7ff8-4dc7-a8ad-37eae0af7	http://grbio.org/cool/

Northeastern	4,24729	9,26588	1899932136	b92cea08-0421-4d7e-b00c-1c71f4(	http://grbio.org/cool/
Mt Camerou	4,116667	9,1	543510790	urn:catalog:CAS:HERP:162676	CAS
Batoke/Bone	4,116667	9,1	543510789	urn:catalog:CAS:HERP:162675	CAS
Batoke/Bone	4,1167	9,1	1057410499	3348918	
Mt. Camerol	4,0667	9,1	1057319609	3348914	
Mt. Camerol	4,0667	9,1	1056129062	3348922	
Mt. Camerol	4,0667	9,1	1056006358	3348912	
Mt. Camerol	4,1167	9,1	1055817270	3348916	
Mt. Camerol	4,0667	9,1	1055781684	3348920	
	-2,410889	13,017167	2813861805	51086768	
Nsoung, nea	6,98625	9,812472	1989834107	a1f36d1e-6d5a-48f8-9281-0517a2aff36e	
Nsoung, nea	4,829694	9,689028	1989834055	d24105b7-0d2a-40f3-a87a-5c3138c305c7	
Nsoung, nea	4,829694	9,689028	1989834003	9d409b83-ad7e-499e-95c7-29718ce0a1f0	
Nsoung, nea	4,829694	9,689028	1989833954	92d1a520-66c4-44cf-9afc-39c2c11b36dd	
Nsoung, nea	4,829694	9,689028	1989833945	85517c96-1852-40f4-80fe-a198dee8bf5f	
Nyassoso, S	4,802083	9,706778	1989833924	599cfd04-72f6-46bd-8f68-e8959a6cda87	
Nsoung, nea	4,98625	9,812472	1989833919	53332dec-f175-4444-87b4-2b6a06d227cb	
Befolon, Eas	3,395	12,745	1989833905	41b8dfc1-7bd5-4dae-86ac-041e24736789	
Nsoung, nea	8,98625	9,812472	1989833878	980975a8-bfb2-462f-8a51-4812426e8d54	
Nsoung, nea	7,98625	9,812472	1989833801	34da6bbe-f2bf-4d02-8701-7b9682d8f852	
Nsoung, nea	4,829694	9,689028	1989833764	6684e3f6-2498-473e-ac0b-d0b4f89f7dc3	
Nsoung, nea	5,98625	9,812472	1989833747	58145944-4ae7-483b-96d6-8369f881cef0	
Befolon, Eas	3,395	12,745	1989833729	3d3f05d2-aebd-4917-b4cd-b41a78c2ec2c	
Nanfang, Ma	4,72	9,746861	1989833712	22c27103-21af-4816-9559-d945604381c4	
Nsoung, nea	4,98625	9,812472	1989833671	0902bd35-62d3-4692-b22f-73e2f8d86ba5	
0.28 mi NW	-4,711917	12,273833	1837125177	b0459303-e702-4e1e-a805-e41411e5801e	
0.28 mi NW	-4,711917	12,273833	1837124999	6a8d697d-9139-4080-abf7-f7a967c7cc14	
0.53 mi N T	-4,473472	12,020778	1837124977	63c48ecc-5f9b-4bb9-9db8-2734f95f3ff5	
0.28 mi NW	-4,711917	12,273833	1837124954	5f3bb3ed-0396-4f61-bc59-6e48caa4d894	
Dschang, La	5,45045	10,06705	1656644383	urn:catalog:CAS:HERP:261259	CAS
Dschang, La	5,45045	10,06705	1656644374	urn:catalog:CAS:HERP:261251	CAS
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Dschang, La	5,45045	10,06705	1656644315	urn:catalog:CAS:HERP:261254	CAS
Dschang, La	5,45045	10,06705	1656644313	urn:catalog:CAS:HERP:261250	CAS
Dschang, La	5,45045	10,06705	1656644293	urn:catalog:CAS:HERP:261253	CAS
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Dschang, La	5,45045	10,06705	1656644259	urn:catalog:CAS:HERP:261257	CAS
Mt. Nlonako	4,9	9,966667	1317645784	http://n2t.net/ark:/65665/31399b3	http://biocol.org/urn:l
Ndikinimeki	4,762867	10,820983	1211003625	urn:catalog:CAS:HERP:259097	CAS
Ndikinimeki	4,762867	10,820983	1211003621	urn:catalog:CAS:HERP:259142	CAS
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Etam, 04 43	4,725033	9,55345	1211003602	urn:catalog:CAS:HERP:259071	CAS
Ndikinimeki	4,762867	10,820983	1211003590	urn:catalog:CAS:HERP:259096	CAS

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Etam, 04 43	4,7181	9,535833	1211003532	urn:catalog:CAS:HERP:259110	CAS
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Ndikinimeki	4,762867	10,820983	1211003522	urn:catalog:CAS:HERP:259099	CAS
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Ndikinimeki	4,762867	10,820983	1211003460	urn:catalog:CAS:HERP:259100	CAS
Ndikinimeki	4,762867	10,820983	1211003453	urn:catalog:CAS:HERP:259089	CAS
Ajenjua Bep	6,36229	-1,03482	1145565438	http://arctos.database.museum/gui	MVZ
Lama(F.C)	6,9166	2,1666	1042789808	8636	
ForÃªt de L	7,0833	2,1	1042789783	8635	
RB Pendjari	10,9333	1,1166	1042789761	8634	
Mekas, Dja	3,186417	12,559769	890183122	urn:catalog:CAS:HERP:253525	CAS
Draw River	5,2	-2,4	197116378	197116378	
Haute Dodo	4,9	-7,316	197116345	197116345	
Ituri Forest	1,2386	28,34122	2027455399	710147cc5c022ccd665800f468df7d589b97c133	
Gamba, 61 k	-3,0826	10,4372	3028093712	http://n2t.net/ark:/65665/37f617ff	http://grbio.org/cool/
Gamba, 61 k	-3,08791	10,4283	3028086304	http://n2t.net/ark:/65665/3542484	http://grbio.org/cool/
Gamba, 87 k	-3,2376	10,6108	3028083145	http://n2t.net/ark:/65665/370125d	http://grbio.org/cool/
Gamba, 61 k	-3,08791	10,4283	3028074448	http://n2t.net/ark:/65665/33dbe86	http://grbio.org/cool/
Gamba, SW	-2,79122	10,0596	3028067660	http://n2t.net/ark:/65665/327ce58	http://grbio.org/cool/
Gamba, 61 k	-3,0826	10,4372	3028006983	http://n2t.net/ark:/65665/38620ec	http://grbio.org/cool/
Gamba, SW	-2,79122	10,0596	3027981040	http://n2t.net/ark:/65665/34dfa9d6	http://grbio.org/cool/
Gamba, 87 k	-3,2376	10,6108	3027968299	http://n2t.net/ark:/65665/31cad08l	http://grbio.org/cool/
Gabon:Nyan	-3,09	10,43	2310369619	KY080121	
Gabon:Nyan	-3,08	10,44	2309528172	KY080124	
Gabon:Ogoo	-2,79	10,06	2308600760	KY080122	
Gabon:Nyan	-3,09	10,43	2307632440	KY079595	
Gabon:Nyan	-3,09	10,43	2307626001	KY080123	
Gabon:Nyan	-3,09	10,43	2305395516	KY079597	
Gabon:Nyan	-3,08	10,44	2305026365	KY079598	
Gabon:Ogoo	-2,79	10,06	2304968512	KY079596	
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Gamba, SW	-2,79122	10,0596	1320835406	http://n2t.net/ark:/65665/3a0b31b	http://biocol.org/urn:l

Gamba, 87 k	-3,2376	10,6108	1317560960	http://n2t.net/ark:/65665/30fdeb5(	http://biocol.org/urn:l
Gamba, 61 k	-3,08791	10,4283	1317355559	http://n2t.net/ark:/65665/306c362	http://biocol.org/urn:l
	-2,340278	9,594444	3026148588	https://darwin.naturalsciences.be/u	https://www.wikidata
	-2,344167	9,636667	3025768820	https://darwin.naturalsciences.be/u	https://www.wikidata
	-2,340278	9,594444	3025768617	https://darwin.naturalsciences.be/u	https://www.wikidata
Ngoyla, com	2,379411	14,016	890182794	urn:catalog:CAS:HERP:253389	CAS
Befolon, Eas	3,395	12,745	1989834217	cb3d0652-b601-4555-a848-6d6fb4ad3a7a	
Befolon, Eas	3,482139	12,796944	1989834161	fe443d9f-a42a-41ae-b4b2-b5be70699ad9	
Befolon, Eas	3,395	12,745	1989834160	fb22fadb-e79c-4276-b803-9d8a3b417206	
Befolon, nea	3,482306	12,796417	1989834148	e17cc935-a5a8-40ed-a98f-0bb1cfaa11ed	
Befolon, Eas	3,395	12,745	1989834130	b857c55c-29f2-4b00-94af-c43617922c16	
Befolon, Eas	5,482306	12,796417	1989834126	b629e8d1-6362-4b4d-bee9-d27734d76c97	
Befolon, nea	3,482306	12,796417	1989834066	e322db93-ae3a-43ef-93a8-4b4c6f0216c2	
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Befolon, Eas	3,395	12,745	1989834054	cd537439-c8bc-4e18-9e26-0107a74d3b07	
Befolon, Eas	3,482139	12,796944	1989834053	c9e37953-196b-40ff-b1cd-0fa89b7e30c5	
Befolon, Eas	3,395	12,745	1989833988	a4c1c982-ae2f-4492-aed6-c2ae32b8353b	
Befolon, Eas	3,395	12,745	1989833959	9ace9493-f9ad-404b-be5c-c014bfadf036	
Befolon, nea	3,482306	12,796417	1989833933	6b4f6d18-1a95-4d5c-b396-b134d54d985f	
Befolon, Eas	3,482306	12,796417	1989833828	54dd6f12-b797-4b24-bb60-43711952139e	
Befolon, Eas	3,395	12,745	1989833813	3e4401e5-d79e-4dcd-97c6-6fab32899031	
Befolon, nea	3,482306	12,796417	1989833810	3c27f384-cd3d-4c17-bd3b-89945e25bec4	
Befolon, nea	3,482306	12,796417	1989833807	3cae6099-e4bf-48a8-8ad3-187003cd503c	
Befolon, Eas	3,482306	12,796417	1989833791	8954b8e7-e32f-471e-a324-358829234f3c	
Befolon, nea	3,482306	12,796417	1989833773	75da56e3-6985-4d54-b2fd-7d93730d008c	
Befolon, Eas	5,482306	12,796417	1989833735	43f4af54-9db2-4473-a9d7-173e7b5eaded	
Befolon, nea	3,482306	12,796417	1989833711	2236031e-ce96-492a-8700-7ad38520ec79	
Befolon, nea	3,482306	12,796417	1989833666	0305021f-6d34-45d0-aed2-352a0c6b9619	
Befolon, Eas	3,395	12,745	1989833590	1baa477c-ed0c-48f9-a0e4-9574ba6c24b9	
Bidjouka nea	3,10725	10,451183	1656644401	urn:catalog:CAS:HERP:261271	CAS
Bidjouka nea	3,10725	10,451183	1656644385	urn:catalog:CAS:HERP:261273	CAS
Bidjouka nea	3,10725	10,451183	1656644361	urn:catalog:CAS:HERP:261272	CAS
Bidjouka nea	3,10725	10,451183	1656644356	urn:catalog:CAS:HERP:261269	CAS
Bidjouka nea	3,10725	10,451183	1656644354	urn:catalog:CAS:HERP:261270	CAS
Kon-Yambet	4,832611	11,061639	1656644311	urn:catalog:CAS:HERP:261192	CAS
Kon-Yambet	4,832611	11,061639	1656644294	urn:catalog:CAS:HERP:261197	CAS
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Kon-Yambet	4,832611	11,061639	1656644275	urn:catalog:CAS:HERP:261188	CAS
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Bidjouka nea	3,10725	10,451183	1656644263	urn:catalog:CAS:HERP:261268	CAS
Kon-Yambet	4,832611	11,061639	1656644256	urn:catalog:CAS:HERP:261189	CAS
Kon-Yambet	4,832611	11,061639	1656644255	urn:catalog:CAS:HERP:261191	CAS
Kon-Yambet	4,832611	11,061639	1656644251	urn:catalog:CAS:HERP:261196	CAS
Kon-Yambet	4,832611	11,061639	1656644214	urn:catalog:CAS:HERP:261139	CAS

Kon-Yambet	4,832611	11,061639	1656644210	urn:catalog:CAS:HERP:261138	CAS
Kon-Yambet	4,832611	11,061639	1656644208	urn:catalog:CAS:HERP:261195	CAS
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Etam, 04 42	4,713383	9,542117	1211003635	urn:catalog:CAS:HERP:259139	CAS
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Etam, 04 42	4,713133	9,543117	1211003626	urn:catalog:CAS:HERP:259118	CAS
Etam, 04 43	4,7181	9,535833	1211003617	urn:catalog:CAS:HERP:259111	CAS
04 43.555 N	4,725033	9,55345	1211003615	urn:catalog:CAS:HERP:259079	CAS
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04 43 33.3 N	4,725917	9,552933	1211003577	urn:catalog:CAS:HERP:259087	CAS
Etam, 04 42	4,713383	9,542117	1211003575	urn:catalog:CAS:HERP:259137	CAS
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Etam, 04 42	4,713383	9,542117	1211003571	urn:catalog:CAS:HERP:259121	CAS
Etam, 04 42	4,713383	9,542117	1211003570	urn:catalog:CAS:HERP:259131	CAS
04 43.555 N	4,725033	9,55345	1211003569	urn:catalog:CAS:HERP:259075	CAS
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Etam, 04 42	4,713383	9,542117	1211003566	urn:catalog:CAS:HERP:259128	CAS
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Ndikinimeki	4,762867	10,820983	1211003558	urn:catalog:CAS:HERP:259143	CAS
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Etam, 04 43	4,7181	9,535833	1211003551	urn:catalog:CAS:HERP:259112	CAS
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Etam, 04 42	4,713383	9,542117	1211003545	urn:catalog:CAS:HERP:259120	CAS
Ndikinimeki	4,762867	10,820983	1211003544	urn:catalog:CAS:HERP:259106	CAS
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Mundame, 0	4,551417	9,522533	1211003542	urn:catalog:CAS:HERP:259058	CAS
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Mount Mane	5,03	9,83	1317588369	http://n2t.net/ark:/65665/311126d	http://biocol.org/urn:l
	5,06667	9,85	1830946163	http://id.smns-bw.org/smns/collection/21170/464566/42	
	5,06667	9,85	1830946147	http://id.smns-bw.org/smns/collection/21171/464567/42	
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Yaounde and	3,808711	11,469789	2430638778	urn:catalog:CAS:HERP:264184	CAS
Manengouba	4,847781	9,819669	2430638711	urn:catalog:CAS:HERP:264146	CAS
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BatÃ©kÃ©	-2,052417	14,064833	872982299	MCZ:Herp:A-147895	b4640710-8e03-11d8
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	5,21654	8,26132		Lotanna Micah Nneji	Department of Zoolog
	5,21654	8,26132		Lotanna Micah Nneji	Department of Zoolog
	5,21654	8,26132		Lotanna Micah Nneji	Department of Zoolog
	5,21765	8,26236		Lotanna Micah Nneji	Department of Zoolog
	5,21765	8,26236		Lotanna Micah Nneji	Department of Zoolog
	5,22365	8,26137			
Campo Maa	2,34678	10,28075	1135646195	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
SOTEXKI fa	0,550007906	25,156321	1852435428	4cc7da36-5381-11e6-9649-a4a344	http://grbio.org/cool/
Boteka	-0,333333	19,116667	462396134	eefd309f-50ca-479e-8e16-54613780312a	
Boteka	-0,333333	19,116667	462391959	a8f2f043-7013-40fb-ad46-0f2f34edf0ea	
Kokolopori	-0,25	22,866667	462389229	7de361c7-1c0a-40ff-91ce-7cda95a66446	
Boteka	-0,333333	19,116667	462387152	5c0eb9ad-6c23-405d-b766-7e6932303e1e	
Boteka	-0,333333	19,116667	462386997	5990d049-0750-4825-9702-fcd1c66bed2a	
Boteka	-0,333333	19,116667	462386261	4d649dd0-eea7-4816-8179-f437151a7de4	
Ituri Forest	1,24554	28,34337	2027455411	256c3b0fccae1c9b8d6a742ee3824fcc7ff81b17	
near Bomass	2,203676	16,185426	476593149	MCZ:Herp:A-136019	b4640710-8e03-11d8
Kon-Yambet	4,834139	11,058278	1989834264	fac9193e-210b-4714-9969-aa7eb41d3407	
Kon-Yambet	4,834139	11,058278	1989834131	bcaed5ee-a1e2-43ff-9e72-e87ae592f3e9	
Kon-Yambet	4,834139	11,058278	1989834121	b245a061-be9f-41bb-916f-1f0eaf027e21	
Kon-Yambet	4,834139	11,058278	1989834080	f86ae317-b66d-4217-bc05-316508fcfeb9	
Kon-Yambet	4,834139	11,058278	1989834062	dc98c9cf-d965-4770-a1e1-17f71f7085cc	
Kon-Yambet	4,834139	11,058278	1989833916	50632042-8520-4307-bc6b-183c3874eac5	
Kon-Yambet	4,834139	11,058278	1989833591	1f24f201-2f51-4b94-a9f7-bd87e6ad3586	

Ndimako1, I	4,3885	14,384611	1989834241	e044018e-7928-4db8-95f9-4af99300cb2d	
Ndikinimeki	4,757361	10,811111	1989834228	d9a8de90-3eb2-4aaf-a08f-9af9123b2e90	
Ndikinimeki	4,757361	10,811111	1989833940	821c42d2-2379-4ea4-ae82-5798aaf9b52f	
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Nsoung Vill	4,9874	9,8144	1899932191	e131dba5-d70c-4e6b-936a-c4dce6a	http://grbio.org/cool/
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Nsoung Vill	4,9874	9,8144	1899932143	abfb3f57-fc47-4711-aeb5-3957c14	http://grbio.org/cool/
Dikome-Bal	4,9287	9,2443	1309944667	ae8dae9b-89aa-4a71-8e8b-b5c87e7	http://grbio.org/cool/i
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Manjo Area,	4,84975	9,77183	890183362	urn:catalog:CAS:HERP:253943	CAS
	5,06667	9,85	1830946256	http://id.smns-bw.org/smns/collection/21162/464558/42	
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Nsoung	4,98333	9,8	1830946238	http://id.smns-bw.org/smns/collection/21161/464557/42	
	5,06667	9,85	1830946237	http://id.smns-bw.org/smns/collection/21169/464565/42	
Nsoung	5,06667	9,85	1830946215	http://id.smns-bw.org/smns/collection/21167/464563/42	
	5,06667	9,85	1830946202	http://id.smns-bw.org/smns/collection/21163/464559/42	
	5,06667	9,85	1830946175	http://id.smns-bw.org/smns/collection/21165/464561/42	
	5,06667	9,85	1830946164	http://id.smns-bw.org/smns/collection/21168/464564/42	
	5,06667	9,85	1830946143	http://id.smns-bw.org/smns/collection/21166/464562/42	
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Manjo Towr	4,84778	9,81967	2027289206	3d498fd4-8c57-405f-9d68-5f3578	http://grbio.org/cool/
Manjo Towr	4,84778	9,81967	2027289056	f3a2ebb0-cf9c-4c8e-91b8-94d450a	http://grbio.org/cool/

Manjo Towr	4,84778	9,81967	2027288999	ea2e1532-0359-41d3-82d0-bafda5	http://grbio.org/cool/
Manjo Towr	4,84778	9,81967	2027288998	73a97fa0-7222-4772-aec9-bdcd1e2	http://grbio.org/cool/
Nsoung, Ma	4,98531	9,81114	2027288997	14a0f34a-ad1d-4988-84ed-983785	http://grbio.org/cool/
Kon-Yambet	4,832611	11,061639	1656644216	urn:catalog:CAS:HERP:261171	CAS
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	8,10975	-9,529609	2813918133	51479759	
	5,064557	-8,525354	2802553178	49820042	
	5,273043	-8,863186	2641573717	49242846	
Veloqua, Gb	7,0793	-10,68099	2147657253	http://arctos.database.museum/gui	UWBM
Molakole, G	7,18911	-10,15109	2147657231	http://arctos.database.museum/gui	UWBM
Veloqua, Gb	7,0793	-10,68099	2147657229	http://arctos.database.museum/gui	UWBM
Sapo Nation	5,5	-9,5	1211735549	URI:catalog:ROM:Reptiles and Amphibians:19856	
Juarzon vicir	5,5	-9,5	1211735524	URI:catalog:ROM:Reptiles and Amphibians:19855	
Grebo Natio	5,405	-7,73	197131310	197131310	
Grebo Natio	5,402	-7,734	197131309	197131309	
Gola Nationa	7,453	-10,692	197131308	197131308	
Site 2	8,515	-8,943	197131296	197131296	
Pic de Fon	8,533	-8,9	197131277	197131277	
Foret Classe	8,142	-8,569	197131258	197131258	
Foret Classe	8,152	-8,58	197131255	197131255	
Foret Classe	8,139	-8,573	197131253	197131253	
Foret Classe	7,496	-8,833	197131251	197131251	
Foret Classe	7,595	-8,865	197131249	197131249	
Foret Classe	7,596	-8,872	197131245	197131245	
Foret Classe	7,52	-8,839	197131244	197131244	
Foret Classe	7,518	-8,836	197131241	197131241	
Foret Classe	7,604	-8,212	197130768	197130768	
Cavally	6,174	-7,788	197130700	197130700	
Haute Dodo	4,9	-7,316	197130690	197130690	
Site 2	8,556	-8,937	197130116	197130116	
Site 2	8,516	-8,943	197130097	197130097	
Site 2	8,534	-8,974	197130028	197130028	
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Manengouba	4,84778	9,81967	1249225846	a7bf6f28-ef62-4777-8d42-40dc83a	http://grbio.org/cool/
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	6,443333	-2,793961	2862311167	58941102	
	4,301529	9,273777	2563428397	104907	
Agbassa	8,816667	2,283333	2465039858	2019_AN_0707	
Agbassa	8,800324	2,254953	2465039441	2019_AN_0097	
Manengouba	4,847781	9,819669	2430638231	urn:catalog:CAS:HERP:264086	CAS
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	6,230636	-0,557797	1935580076	15931816	
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Nkongsamba	4,94	9,934	1899932147	9ca7335f-6ed2-4bc9-8c04-15d07e(	http://grbio.org/cool/
Nkongsamba	4,94	9,934	1899932138	1ade3685-18ba-4a3c-822f-5cfa224	http://grbio.org/cool/
Nkongsamba	4,94	9,934	1899932132	9c0285c1-57ac-4270-8540-a842f2	http://grbio.org/cool/
Nkongsamba	4,94	9,934	1899932131	7b259085-ceba-4daa-bbc9-b0ef998	http://grbio.org/cool/
Eastern Regi	6,24246	-0,5571	1303199928	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199901	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199855	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199848	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199842	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,72604	-1,5275	1146416370	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,72604	-1,5275	1146416362	http://arctos.database.museum/gui	UWBM
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Ashanti Reg	6,72604	-1,5275	1146416318	http://arctos.database.museum/gui	UWBM
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Butatong, C	6,40234	9,1582	1145566268	http://arctos.database.museum/gui	MVZ
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Butatong, C	6,40234	9,1582	1145566228	http://arctos.database.museum/gui	MVZ
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along Kue R	8,48547	0,57645	1145562765	http://arctos.database.museum/gui	MVZ
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pond just W	8,42942	0,56544	1145562741	http://arctos.database.museum/gui	MVZ
pond just W	8,42942	0,56544	1145562732	http://arctos.database.museum/gui	MVZ
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pond just W	8,42942	0,56544	1145562718	http://arctos.database.museum/gui	MVZ
along Kue R	8,48547	0,57645	1145562713	http://arctos.database.museum/gui	MVZ
pond just W	8,42942	0,56544	1145562710	http://arctos.database.museum/gui	MVZ
pond just W	8,42942	0,56544	1145562708	http://arctos.database.museum/gui	MVZ
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Togo Hills,	8,24435	0,52426	1145557932	http://arctos.database.museum/gui	MVZ
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Ankasa Nati	5,29004	-2,63957	1145557855	http://arctos.database.museum/gui	MVZ
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Forest de La	6,96026	2,1683	1135645515	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co

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Vicinity of s	11,307222	-12,330833	687003471	b0a34e52-b069-11e3-8cfe-90b11c4	http://grbio.org/cool/
Muni Lagoo	5,353889	-0,703333	687001122	c3ba363d-b069-11e3-8cfe-90b11c4	http://grbio.org/cool/
Stream cross	11,342778	-12,336944	686997058	c38b39db-b069-11e3-8cfe-90b11c	http://grbio.org/cool/
Vicinity of s	11,307222	-12,330833	686996193	b0bc95a3-b069-11e3-8cfe-90b11c4	http://grbio.org/cool/
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Stream cross	11,342778	-12,336944	686684964	b14e4d99-b069-11e3-8cfe-90b11c	http://grbio.org/cool/
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ComoÃ©- N	8,75	-3,78333	1830946570	http://id.smns-bw.org/smns/collection/26795/470191/41	
Mamfe [VEI	5,725	9,308333	476802810	MCZ:Herp:A-136812	b4640710-8e03-11d8
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Mamfe [VEI	5,725	9,308333	476586750	MCZ:Herp:A-136813	b4640710-8e03-11d8
Mamfe [VEI	5,725	9,308333	476586749	MCZ:Herp:A-136811	b4640710-8e03-11d8
Gola Nationa	7,446	-10,651	197131311	197131311	
Site 2	8,515	-8,943	197131306	197131306	
Krokosua Hi	6,617	-2,85	197131270	197131270	

Draw River	5,2	-2,4	197131266	197131266	
Boi-Tano/Ta	5,533	-2,617	197131262	197131262	
Cavally	6,174	-7,788	197130702	197130702	
Haute Dodo	4,9	-7,316	197130691	197130691	
Site 2	8,556	-8,937	197130064	197130064	
Site 2	8,534	-8,974	197130058	197130058	
Site 2	8,534	-8,974	197130043	197130043	
Site 2	8,516	-8,943	197130031	197130031	
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Eastern Regi	6,24246	-0,5571	1146416325	http://arctos.database.museum/gui	UWBM
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Comoe-Leral	9,92522	-4,57575	2974253700	038C87CCFFC7FF97FF18FCFDFD3BF977.mc.3B4D	
Leraba Fores	9,88809	-4,61954	2974253430	038C87CCFFC7FF97FF18FCFDFD3BF977.mc.3B4D	
	5,21243	8,26067		Lotanna Micah Nneji	Department of Zoolog
	5,21243	8,26067		Lotanna Micah Nneji	Department of Zoolog
	5,21376	8,26345		Lotanna Micah Nneji	Department of Zoolog
	5,21432	8,26541		Lotanna Micah Nneji	Department of Zoolog
	5,21432	8,26541		Lotanna Micah Nneji	Department of Zoolog
	5,21432	8,26541		Lotanna Micah Nneji	Department of Zoolog
	5,21564	8,26672		Lotanna Micah Nneji	Department of Zoolog
	5,21653	8,26832		Lotanna Micah Nneji	Department of Zoolog
	5,21765	8,26973		Lotanna Micah Nneji	Department of Zoolog
	5,21765	8,26973		Lotanna Micah Nneji	Department of Zoolog
	5,21872	8,27017		Lotanna Micah Nneji	Department of Zoolog
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Itombwe Pla	-3,00658	28,75005	2234846091	http://arctos.database.museum/gui	UTEP
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Manjo Area,	4,84975	9,77183	890183420	urn:catalog:CAS:HERP:253991	CAS
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Ankasa Nati	5,28434	-2,64861	1145558414	http://arctos.database.museum/gui	MVZ
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Abomey-Cal	6,42292	2,34996	1135645548	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
Forest de La	6,96026	2,1683	1135645529	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
Abomey-Cal	6,42292	2,34996	1135645524	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
Abomey-Cal	6,42292	2,34996	1135645406	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
Abomey-Cal	6,42292	2,34996	1135645383	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
Forest de La	6,96026	2,1683	1135645257	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
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Freetown to	8,340833	-13,2125	543585570	urn:catalog:CAS:HERP:229979	CAS
Freetown to	8,340833	-13,2125	543585569	urn:catalog:CAS:HERP:229978	CAS
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Draw River	5,2	-2,4	197131267	197131267	
Boi-Tano/Ta	5,533	-2,617	197131263	197131263	
Fopouanga,	5,008	10,1789	1145546510	http://arctos.database.museum/gui	MVZ
western bord	5,36667	-7,28333	1830946892	http://id.smns-bw.org/smns/collection/29502/472898/41	
Gola Nationa	7,446	-10,651	197131315	197131315	
Gola Nationa	7,456	-10,696	197131314	197131314	
Grebo Natio	5,398	-7,709	197131313	197131313	
Grebo Natio	5,401	-7,715	197131312	197131312	
Foret Classe	8,142	-8,569	197131260	197131260	
Foret Classe	7,596	-8,872	197131246	197131246	
Foret Classe	7,518	-8,836	197131243	197131243	
Foret Classe	7,597	-8,201	197130775	197130775	
Foret Classe	7,604	-8,212	197130770	197130770	
Cavally	6,174	-7,788	197130704	197130704	
Haute Dodo	4,9	-7,316	197130693	197130693	
Site 2	8,516	-8,943	197130107	197130107	
Site 2	8,534	-8,974	197130080	197130080	
Site 2	8,555	-8,98	197130077	197130077	
Site 2	8,515	-8,943	197130042	197130042	
Agbassa	8,800324	2,254953	2465039319	2019_AN_0098	
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	5,21963	8,26387		Lotanna Micah Nneji	Department of Zoolog
	5,21984	8,26743		Lotanna Micah Nneji	Department of Zoolog
	5,21984	8,26743		Lotanna Micah Nneji	Department of Zoolog
	5,21984	8,26743		Lotanna Micah Nneji	Department of Zoolog
	5,22864	8,26874		Lotanna Micah Nneji	Department of Zoolog
	5,22971	8,26901		Lotanna Micah Nneji	Department of Zoolog
	6,624581	-3,065186	2862530237	58942687	
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	-4,596083	12,179389	2850616912	55204241	
Agbassa	8,800324	2,254953	2465039486	2019_AN_0099	
Zogbodomey	6,947972	2,381973	2237035472	ODDB_13	
	5,103758	-1,959096	1901091434	9623886	
Lake, 0.47 n	-4,709694	12,271944	1837125336	fb36ee6d-9dd8-4be6-9b52-aa952614fdc0	
River 1.78 n	-4,462917	12,039444	1837125019	72faa633-f190-4e4b-8d50-8eb2757dd8a4	
Ekomtolo /	4,83	9,93	1320530574	http://n2t.net/ark:/65665/393354e	http://biocol.org/urn:l

Ekomtolo / I	4,83	9,93	1320248358	http://n2t.net/ark:/65665/386b915	http://biocol.org/urn:l
Ekomtolo / I	4,83	9,93	1319784836	http://n2t.net/ark:/65665/3724002	http://biocol.org/urn:l
Ekomtolo / I	4,83	9,93	1319686630	http://n2t.net/ark:/65665/36de2c2(	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1317902188	http://n2t.net/ark:/65665/31ef1647	http://biocol.org/urn:l
Western Reg	5,2818	-2,64169	1303199926	http://arctos.database.museum/gui	UWBM
MitonÃ©	-0,64195	10,21742	1249234398	urn:catalog:OMNH:OCGR:13723	
Forest Lake	-0,05171	11,16621	1211002551	urn:catalog:CAS:HERP:258136	CAS
Mitone, Mit	-0,64195	10,21742	1211002537	urn:catalog:CAS:HERP:258040	CAS
Mitone, Mit	-0,64195	10,21742	1211002451	urn:catalog:CAS:HERP:258039	CAS
OgoouÃ©-M	-1,88328	9,56787	1147033171	0384836b-8f5b-4356-9d47-944b47	urn:lsid:biocol.org:co
Ashanti Reg	6,83673	-1,72202	1146416383	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,83673	-1,72202	1146416379	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,83673	-1,72202	1146416378	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,83673	-1,72202	1146416375	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,83673	-1,72202	1146416374	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,83673	-1,72202	1146416369	http://arctos.database.museum/gui	UWBM
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Ashanti Reg	6,83673	-1,72202	1146416358	http://arctos.database.museum/gui	UWBM
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Ashanti Reg	6,83673	-1,72202	1146416342	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,83673	-1,72202	1146416331	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,83673	-1,72202	1146416321	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,83673	-1,72202	1146416314	http://arctos.database.museum/gui	UWBM
Balegete and	6,42517	9,36238	1145566218	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145558352	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145557971	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145557969	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145557967	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145557966	http://arctos.database.museum/gui	MVZ
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Ankasa Nati	5,28434	-2,64861	1145557949	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145557947	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145557939	http://arctos.database.museum/gui	MVZ
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Ankasa Nati	5,28434	-2,64861	1145557930	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145557927	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145557919	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145557912	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145557911	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145557896	http://arctos.database.museum/gui	MVZ
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Ankasa Nati	5,28434	-2,64861	1145557882	http://arctos.database.museum/gui	MVZ

Ankasa Nati	5,28434	-2,64861	1145557873	http://arctos.database.museum/gui	MVZ
Agriculture S	6,083333	-0,833333	1145481726	http://arctos.database.museum/gui	MVZ
	-1,866389	9,851667	3025590909	https://darwin.naturalsciences.be/u	https://www.wikidata
Mt. Maneng	5,033601	9,826945	476579587	MCZ:Herp:A-136920	b4640710-8e03-11d8
Mt. Maneng	5,033601	9,826945	476479424	MCZ:Herp:A-136921	b4640710-8e03-11d8
	7,28333	-4,26667	1830946433	http://id.smns-bw.org/smns/collection/23188/466584/42	
Grebo Natio	5,401	-7,715	197131319	197131319	
Grebo Natio	5,398	-7,709	197131318	197131318	
Gola Nationa	7,446	-10,651	197131317	197131317	
Gola Nationa	7,456	-10,696	197131316	197131316	
Cavally	6,174	-7,788	197130706	197130706	
Haute Dodo	4,9	-7,316	197130694	197130694	
	5,21872	8,26067		Lotanna Micah Nneji	Department of Zoolog
	5,21398	8,25927		Lotanna Micah Nneji	Department of Zoolog
	5,21396	8,2593		Lotanna Micah Nneji	Department of Zoolog
	5,2188	8,2644		Lotanna Micah Nneji	Department of Zoolog
	5,2122	8,2686		Lotanna Micah Nneji	Department of Zoolog
	5,2356	8,2811		Lotanna Micah Nneji	Department of Zoolog
	5,2111	8,27178		Lotanna Micah Nneji	Department of Zoolog
	5,21163	8,27081		Lotanna Micah Nneji	Department of Zoolog
	5,7341667	20,66722222			
	5,2188	8,2644		Lotanna Micah Nneji	Department of Zoolog
	5,2122	8,2686		Lotanna Micah Nneji	Department of Zoolog
	5,2356	8,2811		Lotanna Micah Nneji	Department of Zoolog
Bazinga	1,4092	28,5273	2853503373	http://arctos.database.museum/gui	UTEP
Ituri forest	1,95737	30,03777	2027456036	53393011b0abf31ea4b519b07a95e578e4841a8e	
Ituri forest	1,95737	30,03777	2027455970	d0b2c4a0ec6c656080d1bafcf4ff9f2fb97e8134	
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Ituri Forest	1,21738	29,021	2027455435	63e556d12b9fbbf3603919bd49a2fd99970b10ab	
Ituri Forest	0,23852	28,33962	2027455432	6b2f64698b44a58d49cad27eea8795eddaedb456	
Reserve Natu	-3,54425	28,67245	2234844901	http://arctos.database.museum/gui	UTEP
Reserve Natu	-3,54425	28,67245	2234844766	http://arctos.database.museum/gui	UTEP
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Reserve Natu	-3,5537	28,67422	2234843572	http://arctos.database.museum/gui	UTEP
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Reserve Natu	-3,54425	28,67245	2234843188	http://arctos.database.museum/gui	UTEP
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Mekas, Dja	3,179161	12,533519	931030871	urn:catalog:CAS:HERP:255453	CAS
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Edjangoulou	-1,49358	14,40794	1935014549	e80a15d2-25b0-4290-be90-b8874b3814b8	
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Congo River	-2,0876	12,13804	1845058615	e73b5cc7-901a-4790-be75-94e9b3451c45	
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Congo River	-2,10339	12,13954	1845058594	d434c1a2-035d-46f0-bf9b-55e35a2e3cb6	
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Gabon:Ogoo	-2,73	9,98	2310408145	KY080202
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Gabon:Ogoo	-2,75	10,01	2309966899	KY079684
Gabon:Nyan	-3,17	10,5	2309926091	KY079682
Gabon:Nyan	-3,04	10,38	2309771031	KY080211
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Gabon:Ogoo	-2,74	10,01	2309155958	KY079680
Gabon:Ogoo	-2,73	9,98	2309055437	KY080203
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Eastern Regi	6,24246	-0,5571	1303199867	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199865	http://arctos.database.museum/gui	UWBM
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Eastern Regi	6,24246	-0,5571	1146416404	http://arctos.database.museum/gui	UWBM
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Eastern Regi	6,24246	-0,5571	1146416387	http://arctos.database.museum/gui	UWBM
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Grebo Natio	5,402	-7,734	197131321	197131321	
Gola Nationa	7,446	-10,651	197131320	197131320	
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Site 1	8,531	-8,906	197131298	197131298	
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Foret Classe	8,152	-8,58	197131256	197131256	
Foret Classe	8,144	-8,555	197131254	197131254	
Foret Classe	8,139	-8,573	197131252	197131252	
Foret Classe	7,633	-8,853	197131248	197131248	
Foret Classe	7,604	-8,212	197130771	197130771	
Cavally	6,174	-7,788	197130708	197130708	
Haute Dodo	4,9	-7,316	197130697	197130697	
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Bamenda Hi	5,92716	10,12581	1249225778	85f381f6-4873-45af-99f6-6718718	http://grbio.org/cool/
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	5,21243	8,27017		Lotanna Micah Nneji	Department of Zoolog
	5,2111	8,27178		Lotanna Micah Nneji	Department of Zoolog
SOTEXKI fa	0,550007906	25,156321	1852437389	4cdc848a-5381-11e6-9649-a4a344	http://grbio.org/cool/
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Kokolopori	-0,25	22,866667	462382174	0d5ff4c6-25bf-4451-a4df-3a088d64de37	
Edjangoulou	-1,49425	14,41622	1935014542	ddd78eba-cc37-4d08-a3ea-8ebf368da368	
Edjangoulou	-1,49425	14,41622	1935014522	c2dbf9b0-41ec-4ce8-8ffa-edc42756919b	
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	5,349247	-1,383161	2862325206	58944447	
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	6,242239	-0,557161	2366010249	15937024	
Zuawolota, I	7,05624	-10,31022	2147657412	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199957	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199945	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199943	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199938	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199896	http://arctos.database.museum/gui	UWBM
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Eastern Regi	6,24246	-0,5571	1303199872	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303199868	http://arctos.database.museum/gui	UWBM
ForÃªt de Lo	7,065248	2,130028	1291848851	P1585	
RB Pendjari	11,243179	1,603764	1291848845	P1584	
ForÃªt de La	6,916667	2,166667	1291848820	P1586	
Eastern Regi	6,24246	-0,5571	1146416433	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416430	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416428	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416426	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416423	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416411	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416408	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416407	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416406	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416403	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416397	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416394	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416391	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416390	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416385	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416376	http://arctos.database.museum/gui	UWBM
Ankasa Nati	5,28434	-2,64861	1145557962	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145557948	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145557942	http://arctos.database.museum/gui	MVZ
Krokosua Hi	6,617	-2,85	197131271	197131271	
Haute Dodo	4,9	-7,316	197130699	197130699	
Mamfe	5,724883	9,349383	699101635	MCZ:Herp:A-148132	b4640710-8e03-11d8
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Mamfe	5,724883	9,349383	699101617	MCZ:Herp:A-148133	b4640710-8e03-11d8-
	5,23014	8,26924		Lotanna Micah Nneji	Department of Zoolog
	5,23014	8,26924		Lotanna Micah Nneji	Department of Zoolog
	5,23271	8,27652		Lotanna Micah Nneji	Department of Zoolog
	5,23451	8,27742		Lotanna Micah Nneji	Department of Zoolog
	5,23451	8,27742		Lotanna Micah Nneji	Department of Zoolog
	5,23653	8,27852		Lotanna Micah Nneji	Department of Zoolog
	5,23788	8,27987		Lotanna Micah Nneji	Department of Zoolog
ForÃªt de La	6,916667	2,166667	1291848884	P1583	
ForÃªt de Lo	7,065248	2,130028	1291848855	P1582	
RB Pendjari	11,243179	1,603764	1291848848	P1581	
along stream	8,43424	0,60552	1145562854	http://arctos.database.museum/gui	MVZ
along trail ~	8,43424	0,60552	1145562825	http://arctos.database.museum/gui	MVZ
along trail ~	8,43424	0,60552	1145562811	http://arctos.database.museum/gui	MVZ
along stream	8,43424	0,60552	1145562803	http://arctos.database.museum/gui	MVZ
~1.8km SW	8,33383	0,59449	1145562801	http://arctos.database.museum/gui	MVZ
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along stream	8,43424	0,60552	1145562786	http://arctos.database.museum/gui	MVZ
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along stream	8,43424	0,60552	1145562773	http://arctos.database.museum/gui	MVZ
along stream	8,43424	0,60552	1145562772	http://arctos.database.museum/gui	MVZ
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along trail ~	8,43424	0,60552	1145562766	http://arctos.database.museum/gui	MVZ
along trail ~	8,43424	0,60552	1145562757	http://arctos.database.museum/gui	MVZ
along stream	8,43424	0,60552	1145562756	http://arctos.database.museum/gui	MVZ
along trail ~	8,43424	0,60552	1145562750	http://arctos.database.museum/gui	MVZ
along stream	8,43424	0,60552	1145562748	http://arctos.database.museum/gui	MVZ
~1.8km SW	8,33383	0,59449	1145562742	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,24435	0,52426	1145558375	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,51777	0,60128	1145558028	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,51777	0,60128	1145558018	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,51777	0,60128	1145558005	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,33019	0,59411	1145557935	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,33019	0,59411	1145557929	http://arctos.database.museum/gui	MVZ
Togo Hills,	8,24435	0,52426	1145557921	http://arctos.database.museum/gui	MVZ
Lama(F.C)	6,9166	2,1666	1042789953	8642	
ForÃªt de Lo	7,0833	2,1	1042789930	8641	
RB Pendjari	10,9333	1,1166	1042789905	8640	
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Monts de Cı	0,6212	10,4076	2549584029	http://n2t.net/ark:/65665/3ecb90c4	http://biocol.org/urn:l

Monts de Cı	0,6212	10,4076	2549548077	http://n2t.net/ark:/65665/3cd81dc http://biocol.org/urn:l
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Ivindo, Rou	-0,19559	12,196	2549496686	http://n2t.net/ark:/65665/37c33ad http://biocol.org/urn:l
Monts de Cı	0,6212	10,4076	2549474629	http://n2t.net/ark:/65665/30e3220 http://biocol.org/urn:l
Bioko Islanc	3,35542	8,62153	2426942710	http://n2t.net/ark:/65665/3bb08b6 http://biocol.org/urn:l
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Bioko Islanc	3,35542	8,62153	2426938466	http://n2t.net/ark:/65665/3600904 http://biocol.org/urn:l
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Bioko Islanc	3,35542	8,62153	2426915410	http://n2t.net/ark:/65665/34ac44d http://biocol.org/urn:l
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Bioko Islanc	3,35542	8,62153	2426907549	http://n2t.net/ark:/65665/37c56f43 http://biocol.org/urn:l
Bioko Islanc	3,35542	8,62153	2426899586	http://n2t.net/ark:/65665/3b1f85c8 http://biocol.org/urn:l
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Bioko Islanc	3,35542	8,62153	2426875519	http://n2t.net/ark:/65665/39254d1 http://biocol.org/urn:l
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Bioko Islanc	3,35542	8,62153	2426873706	http://n2t.net/ark:/65665/3ce75aea http://biocol.org/urn:l
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Bioko Islanc	3,35542	8,62153	2426864372	http://n2t.net/ark:/65665/361b801 http://biocol.org/urn:l
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Bioko Islanc	3,35542	8,62153	2426844371	http://n2t.net/ark:/65665/3318cf6f http://biocol.org/urn:l
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Bioko Islanc	3,35542	8,62153	2426822928	http://n2t.net/ark:/65665/304b8e2 http://biocol.org/urn:l
Gabon:Nyan	-3,14	10,48	2311235756	KY079698
Gabon:Ogoo	-2,83	10,22	2310695974	KY080219
Gabon:Nyan	-3,09	10,44	2310100954	KY079695
Gabon:Ogoo	-2,83	10,22	2310088735	KY079694
Gabon:Ogoo	-2,83	10,22	2309517115	KY079696
Gabon:Estua	0,6	9,34	2308711345	KY079706
Gabon:Ogoo	-2,83	10,22	2307882869	KY079697
Gabon:Estua	0,6	9,34	2307810734	KY079699
Gabon:Estua	0,6	9,34	2307663563	KY079701
Gabon:Ogoo	-2,83	10,22	2307437226	KY080221
Gabon:Nyan	-3,14	10,48	2307114000	KY080225

Gabon:Estua	0,6	9,34	2306861805	KY080229	
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Gabon:Nyan	-3,09	10,44	2306095484	KY080220	
Gabon:Nyan	-3,14	10,48	2305966160	KY080223	
Gabon:Estua	0,6	9,34	2305875819	KY080227	
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Gabon:Ogoo	-2,83	10,22	2305441369	KY080222	
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Gabon:Estua	0,6	9,34	2304401532	KY080231	
Marungu Pla	-7,71487	29,76962	2234846561	http://arctos.database.museum/gui	UTEP
Bizombo	-3,02876	28,28263	2234846385	http://arctos.database.museum/gui	UTEP
Kiandjo, Itor	-3,37342	28,64308	2234846038	http://arctos.database.museum/gui	UTEP
Kalundu	-3,12581	28,41499	2234845862	http://arctos.database.museum/gui	UTEP
Kitopo, Itom	-3,4039	28,5866	2234845566	http://arctos.database.museum/gui	UTEP
Mwenga	-3,03678	28,42225	2234845480	http://arctos.database.museum/gui	UTEP
Luvuba Rive	-2,86661	29,03617	2234845262	http://arctos.database.museum/gui	UTEP
Kihungwe	-4,09013	28,1531	2234845173	http://arctos.database.museum/gui	UTEP
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Bitlae	-2,207778	28,62964	2234845154	http://arctos.database.museum/gui	UTEP
road ca. 12 k	-8,71895	27,42265	2234844932	http://arctos.database.museum/gui	UTEP
Marungu Pla	-7,71487	29,76962	2234844839	http://arctos.database.museum/gui	UTEP
Baraka, near	-4,10784	29,09715	2234844130	http://arctos.database.museum/gui	UTEP
Epulu	1,40072	28,56882	2234843391	http://arctos.database.museum/gui	UTEP
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Edjangoulou	-1,49425	14,41622	1935014541	dbf5b373-33ca-47f5-9900-43d3e7481b8d	
Edjangoulou	-1,49425	14,41622	1935014514	b85d8ed4-12b1-4cc6-b53d-373c80912097	
Edjangoulou	-1,49425	14,41622	1935014508	b2d8cf43-29ae-419a-86a7-3f2152a86dca	
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Edjangoulou	-1,49425	14,41622	1935014482	8722bf07-c62a-49c5-8b39-39abe51614e5	
Edjangoulou	-1,49425	14,41622	1935014446	4dde84ef-1d4e-4f2d-8370-f895bfc95955	
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Moka - Lago	3,35245	8,629083	1852461928	4e24725a-5381-11e6-9649-a4a344	http://grbio.org/cool/
Moka - Lago	3,352133	8,6341	1852461916	4e246dfb-5381-11e6-9649-a4a344	http://grbio.org/cool/
Moka - Lago	3,352133	8,6341	1852461915	4e246b17-5381-11e6-9649-a4a344	http://grbio.org/cool/
Moka - Lago	3,35245	8,629083	1852461913	4e2470e6-5381-11e6-9649-a4a344	http://grbio.org/cool/
Moka - Lago	3,352133	8,6341	1852461648	4e246f75-5381-11e6-9649-a4a344	http://grbio.org/cool/
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Monts de Cı	0,6212	10,40763	1852459431	4df6e685-5381-11e6-9649-a4a344	http://grbio.org/cool/
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Yoko Reserv	0,29027	25,25658	2579616969	833951b61ea66ab4b397f7ab4324cd3b05fc395e
Kayete	0,13489	25,60841	2027456256	15d3da71bea1a4b13a44c9ae8ce4cc0aa8764c46
Kayete	0,13489	25,60841	2027456252	d8365d2da4b08a8e1f2144e5eca3162fb74b1c4e
Kayete	0,13489	25,60841	2027456243	22ed8cfaa1de455ba48925fb599e3faf6627f873
Basukwambi	0,54393	25,9386	2027455904	95325defe0a77185a149d2a4d72d7e9c15a27814
Basukwambi	0,54393	25,9386	2027455825	2e2d71290ab8e192dfd824ca3e1cb3d66c743ed9
Draw River	5,2	-2,4	197131269	197131269
Boi-Tano/Ta	5,533	-2,617	197131265	197131265
	5,943215	-7,239704	1880671045	74325
Foret Classe	8,152	-8,58	197131257	197131257
Foret Classe	7,595	-8,865	197131250	197131250
Foret Classe	7,596	-8,872	197131247	197131247
Foret Classe	7,518	-8,836	197131242	197131242
Foret Classe	7,604	-8,212	197130773	197130773
Atewa Hills	6,24246	-0,5571	2251590071	WAF069-15
Atewa Hills	6,24246	-0,5571	2251589878	WAF070-15
Atewa Hills	6,24246	-0,5571	2251589830	WAF064-15
Atewa Hills	6,24246	-0,5571	2251589681	WAF065-15
Atewa Hills	6,24246	-0,5571	2251589501	WAF067-15
Atewa Hills	6,24246	-0,5571	2251589339	WAF066-15
Atewa Hills	6,24246	-0,5571	2251587869	WAF068-15
	6,24565	-0,553736	1899784247	15936839
	6,221915	-0,404801	1899784244	15936855
	6,31932	-0,449179	1899784240	15937042
	6,386529	-0,592584	1899784230	15936862
	6,326416	-0,406887	1899782789	15931808
Eastern Regi	6,12799	-0,6289	1303199982	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303199980	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303199954	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303199948	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303199940	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303199933	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303199925	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303199923	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303199919	http://arctos.database.museum/gui UWBM
Eastern Regi	6,24246	-0,5571	1146416455	http://arctos.database.museum/gui UWBM
Eastern Regi	6,24246	-0,5571	1146416451	http://arctos.database.museum/gui UWBM
Eastern Regi	6,24246	-0,5571	1146416446	http://arctos.database.museum/gui UWBM
Eastern Regi	6,23899	-0,55824	1146416441	http://arctos.database.museum/gui UWBM
Eastern Regi	6,24246	-0,5571	1146416437	http://arctos.database.museum/gui UWBM
Eastern Regi	6,24246	-0,5571	1146416435	http://arctos.database.museum/gui UWBM

Eastern Regi	6,24246	-0,5571	1146416429	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416421	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416419	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416418	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416417	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416412	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416410	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416409	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416396	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,23899	-0,55824	1146416395	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416373	http://arctos.database.museum/gui	UWBM
Site 2	8,534	-8,974	197135848	197135848	
Site 1	8,531	-8,906	197135664	197135664	
Site 2	8,515	-8,943	197135618	197135618	
Koutaba. We	5,975111	10,806139	1989833790	890ebf07-6b39-4410-8892-bf734cf88464	
Manjo Area,	4,84975	9,77183	890183407	urn:catalog:CAS:HERP:253990	CAS
	5,03333	9,81667	1830947243	http://id.smns-bw.org/smns/collection/21175/464571/42	
Mgba Lakes	5,03333	9,81667	1830947185	http://id.smns-bw.org/smns/collection/21174/464570/42	
Lama(F.C)	6,9166	2,1666	1042790028	8645	
ForÃªt de Lo	7,0833	2,1	1042790004	8644	
RB Pendjari	10,9333	1,1166	1042789978	8643	
Cavally	6,174	-7,788	197135773	197135773	
06 32 55.02	6,548617	10,759983	543607830	urn:catalog:CAS:HERP:250010	CAS
Mount Mane	5,03	9,83	1322702475	http://n2t.net/ark:/65665/3f351d7	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1322331541	http://n2t.net/ark:/65665/3e2e4ef9	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1322032851	http://n2t.net/ark:/65665/3d5b454	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1321379019	http://n2t.net/ark:/65665/3b8b93a	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1320972508	http://n2t.net/ark:/65665/3a6bd9f0	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1320318190	http://n2t.net/ark:/65665/389d903	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1319881600	http://n2t.net/ark:/65665/37685a7	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1319684091	http://n2t.net/ark:/65665/36dc1e7	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1318982850	http://n2t.net/ark:/65665/34ebfbab	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1318560024	http://n2t.net/ark:/65665/33c0760	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1318031561	http://n2t.net/ark:/65665/324a803	http://biocol.org/urn:l
Mt. Maneng	5,033601	9,826945	476582090	MCZ:Herp:A-136959	b4640710-8e03-11d8-
Mt. Maneng	5,033601	9,826945	476579475	MCZ:Herp:A-136914	b4640710-8e03-11d8-
Mt. Maneng	5,033601	9,826945	476579474	MCZ:Herp:A-136912	b4640710-8e03-11d8-
Mt. Maneng	5,033601	9,826945	476579473	MCZ:Herp:A-136911	b4640710-8e03-11d8-
Mt. Maneng	5,033601	9,826945	476579472	MCZ:Herp:A-136910	b4640710-8e03-11d8-
Manengouba	5,027778	9,818056	476578450	MCZ:Herp:A-138033	b4640710-8e03-11d8-
Manengouba	5,027778	9,818056	476578449	MCZ:Herp:A-138032	b4640710-8e03-11d8-
Manengouba	5,026667	9,820833	476577562	MCZ:Herp:A-138042	b4640710-8e03-11d8-
Mt. Maneng	5,033601	9,826945	476479423	MCZ:Herp:A-136913	b4640710-8e03-11d8-
Mont Peko I	7,00333	-7,25444	1830947221	http://id.smns-bw.org/smns/collection/17831/461227/41	
ComoÃ©-N	8,75	-3,78333	1830947151	http://id.smns-bw.org/smns/collection/17855/461251/41	

Mont Peko I	7,00333	-7,25444	1830947141	http://id.smns-bw.org/smns/collection/17854/461250/41	
Nanfang, Ma	4,72	9,746861	1989834156	f658260d-ebfa-4a9f-ac90-52bc9f65ce05	
Nanfang, Ma	4,72	9,746861	1989833996	b19ee9d5-67ae-4036-8e18-e25659c99cf1	
Nanfang, Ma	4,72	9,746861	1989833785	83bb767d-5cea-40af-a4be-9fc599cb0583	
Nsoung, nea	4,829694	9,689028	1989833730	3de9475e-002e-489b-a0e4-47ee90151171	
Nsoung, nea	4,829694	9,689028	1989833594	271bf300-feb9-421a-8063-660ab0a67a8b	
near Bambou	5,668611	10,103278	736301391	MCZ:Herp:A-148707	b4640710-8e03-11d8-
near Bambou	5,668611	10,103278	728383052	MCZ:Herp:A-148687	b4640710-8e03-11d8-
Bamboutos s	5,668611	10,103056	476789036	MCZ:Herp:A-137973	b4640710-8e03-11d8-
Bamboutos s	5,668611	10,103056	476583060	MCZ:Herp:A-137972	b4640710-8e03-11d8-
Mt. Bambou	5,658333	10,125	476579145	MCZ:Herp:A-136889	b4640710-8e03-11d8-
Mt. Bambou	5,658333	10,125	476579144	MCZ:Herp:A-136888	b4640710-8e03-11d8-
Mt. Bambou	5,658333	10,125	476579143	MCZ:Herp:A-136887	b4640710-8e03-11d8-
Mt. Bambou	5,658333	10,125	476579142	MCZ:Herp:A-136886	b4640710-8e03-11d8-
Mt. Bambou	5,658333	10,125	476579141	MCZ:Herp:A-136885	b4640710-8e03-11d8-
Mt. Bambou	5,658333	10,125	476579037	MCZ:Herp:A-136884	b4640710-8e03-11d8-
Mt. Bambou	5,658333	10,125	476579036	MCZ:Herp:A-136883	b4640710-8e03-11d8-
Mt. Bambou	5,658333	10,125	476479421	MCZ:Herp:A-136890	b4640710-8e03-11d8-
Fulani villag	5,058	9,836	1899932154	2f93427a-1218-4811-9392-f1d5d4	http://grbio.org/cool/
Stream behir	6,42087	9,35961	1145566301	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566290	http://arctos.database.museum/gui	MVZ
Obudu Cattl	6,42517	9,36238	1145566271	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566263	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566250	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566245	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566242	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566241	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566234	http://arctos.database.museum/gui	MVZ
	4,98333	9,86667	1830947514	http://id.smns-bw.org/smns/collection/21320/464716/42	
Moeba	5,01667	9,8	1830947480	http://id.smns-bw.org/smns/collection/21177/464573/42	
Moeba	5,01667	9,8	1830947393	http://id.smns-bw.org/smns/collection/21176/464572/42	
Ngel Nyaki	7,086111	11,066639	476769915	MCZ:Herp:A-139598	b4640710-8e03-11d8-
Ngel Nyaki	7,086111	11,066639	476509469	MCZ:Herp:A-139599	b4640710-8e03-11d8-
Ekomtolo	4,83	9,93	1320594703	http://n2t.net/ark:/65665/39610c3	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1317259704	http://n2t.net/ark:/65665/3028903	http://biocol.org/urn:l
Fulani villag	5,023	9,876	1899932190	82e1b722-252d-4936-90dc-32515a	http://grbio.org/cool/
Fulani villag	5,023	9,876	1899932188	e898f47f-fd34-41de-9772-b25e5d4	http://grbio.org/cool/
Fulani villag	5,023	9,876	1899932171	3f9139e4-52f1-4ea4-b8b1-0b6c405	http://grbio.org/cool/
Fulani villag	5,023	9,876	1899932168	ad165272-8135-4da4-99cd-fa8165	http://grbio.org/cool/
Fulani villag	5,023	9,876	1899932157	042ad93c-541d-4b1d-b8be-7419b7	http://grbio.org/cool/
Upper-South	5	9,81667	1830947606	http://id.smns-bw.org/smns/collection/21321/464717/42	
Manengouba	4,967231	9,8079	2430638107	urn:catalog:CAS:HERP:264057	CAS
Manengouba	4,967231	9,8079	2430638039	urn:catalog:CAS:HERP:264058	CAS
Manengouba	4,96723	9,8079	1249225854	d4fa7e3b-6129-4149-8ae4-29ef9bd	http://grbio.org/cool/(
Manengouba	4,96723	9,8079	1249225847	69d19753-f232-4709-97ab-b864cb	http://grbio.org/cool/(

Manengouba	4,96723	9,8079	1249225842	acd34252-02ae-459c-ba59-6b8944	http://grbio.org/cool/(
Manengouba	4,96723	9,8079	1249225840	996de226-0bee-4d8a-8428-e1486b	http://grbio.org/cool/(
Forest above	4,991	9,979	1899932205	f505d89a-5343-48db-b8b5-4c1283	http://grbio.org/cool/
Enguengue V	4,91725	9,98705	1899932201	1f7e4898-1f15-418b-8a7c-d52c4f4	http://grbio.org/cool/
Forest above	4,991	9,979	1899932198	dbaac9b7-b0ba-445e-a88f-5521ac6	http://grbio.org/cool/
Forest above	4,991	9,979	1899932187	bdc2f9cb-650a-4da4-9065-772ab7	http://grbio.org/cool/
Enguengue V	4,91725	9,98705	1899932172	ffa47701-ff00-4f6e-8ba9-3721c44c	http://grbio.org/cool/
Forest above	4,991	9,979	1899932170	1fcdb1f4-45bd-4791-8e30-f6e57a1	http://grbio.org/cool/
Forest above	4,991	9,979	1899932166	91f7a7ef-5d4d-4332-839f-01d1a4e	http://grbio.org/cool/
Forest above	4,991	9,979	1899932162	bbf920ac-8643-4685-bc72-e0030e	http://grbio.org/cool/
Forest above	4,991	9,979	1899932127	3db8626b-93b1-43fc-be40-b8b397	http://grbio.org/cool/
Nguengue	4,9172	9,9892	1320724522	http://n2t.net/ark:/65665/39bcd90	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1317612840	http://n2t.net/ark:/65665/31225e8	http://biocol.org/urn:l
	4,98333	9,86667	1830947529	http://id.smns-bw.org/smns/collection/21332/464728/42	
	4,98333	9,86667	1830947528	http://id.smns-bw.org/smns/collection/21334/464730/42	
Nsoung	4,98333	9,8	1830947526	http://id.smns-bw.org/smns/collection/21328/464724/42	
Mid-West	5,01667	9,76667	1830947523	http://id.smns-bw.org/smns/collection/21326/464722/42	
Ebonemin	5	9,73333	1830947522	http://id.smns-bw.org/smns/collection/21322/464718/42	
	4,98333	9,86667	1830947520	http://id.smns-bw.org/smns/collection/21329/464725/42	
	4,98333	9,86667	1830947502	http://id.smns-bw.org/smns/collection/21333/464729/42	
	4,98333	9,86667	1830947498	http://id.smns-bw.org/smns/collection/21330/464726/42	
Ebonemin	5,01667	9,75	1830947494	http://id.smns-bw.org/smns/collection/21325/464721/42	
Ebonemin	5,01667	9,75	1830947492	http://id.smns-bw.org/smns/collection/21324/464720/42	
Moeba	5,01667	9,8	1830947487	http://id.smns-bw.org/smns/collection/21327/464723/42	
	5	9,73333	1830947484	http://id.smns-bw.org/smns/collection/21312/464708/42	
	5	9,73333	1830947482	http://id.smns-bw.org/smns/collection/21335/464731/42	
	4,98333	9,86667	1830947478	http://id.smns-bw.org/smns/collection/21331/464727/42	
Ebonemin	5,01667	9,75	1830947476	http://id.smns-bw.org/smns/collection/21323/464719/42	
Nsoung	4,986667	9,811111	476575817	MCZ:Herp:A-137945	b4640710-8e03-11d8-
Nsoung	4,986667	9,811111	476575816	MCZ:Herp:A-137944	b4640710-8e03-11d8-
Nsoung	4,981389	9,813333	476575813	MCZ:Herp:A-137940	b4640710-8e03-11d8-
Nsoung	4,986667	9,811111	476575622	MCZ:Herp:A-137948	b4640710-8e03-11d8-
Nsoung	4,986667	9,811111	476575621	MCZ:Herp:A-137947	b4640710-8e03-11d8-
Nsoung	4,986667	9,811111	476575620	MCZ:Herp:A-137946	b4640710-8e03-11d8-
Nsoung [VE	4,983333	9,813333	476479882	MCZ:Herp:A-137952	b4640710-8e03-11d8-
Enguengue V	4,91725	9,98705	1899932158	ef9370c5-7d58-4709-93a7-b64477	http://grbio.org/cool/
Nguengue	4,9172	9,9892	1322810839	http://n2t.net/ark:/65665/3f821c83	http://biocol.org/urn:l
Manjo Area,	4,84975	9,77183	890183350	urn:catalog:CAS:HERP:253933	CAS
Ekoneman A	5,625714	8,932229	476587064	MCZ:Herp:A-136832	b4640710-8e03-11d8-
Ekoneman A	5,625714	8,932229	476587063	MCZ:Herp:A-136831	b4640710-8e03-11d8-
Mt. Oku, 6	6,19945	10,513883	1062024782	urn:catalog:CAS:HERP:256951	CAS
village at Mt	5,983333	12,416667	728383054	MCZ:Herp:A-148689	b4640710-8e03-11d8-
village at Mt	5,983333	12,416667	728383053	MCZ:Herp:A-148690	b4640710-8e03-11d8-
village at Mt	5,983333	12,416667	728383051	MCZ:Herp:A-148691	b4640710-8e03-11d8-
village at Mt	5,983333	12,416667	728383050	MCZ:Herp:A-148688	b4640710-8e03-11d8-

Mt. Mbam	5,766667	14,1	476575820	MCZ:Herp:A-137962	b4640710-8e03-11d8·
Mt. Mbam	5,766667	14,1	476575819	MCZ:Herp:A-137961	b4640710-8e03-11d8·
Mt. Mbam	5,766667	14,1	476575818	MCZ:Herp:A-137959	b4640710-8e03-11d8·
Mt. Mbam	5,766667	14,1	476575726	MCZ:Herp:A-137958	b4640710-8e03-11d8·
Mt. Mbam	5,766667	14,1	476575725	MCZ:Herp:A-137957	b4640710-8e03-11d8·
Mt. Mbam	5,766667	14,1	476575724	MCZ:Herp:A-137956	b4640710-8e03-11d8·
Mt. Mbam	5,766667	14,1	476575723	MCZ:Herp:A-137955	b4640710-8e03-11d8·
Mt. Mbam	5,766667	14,1	476575722	MCZ:Herp:A-137954	b4640710-8e03-11d8·
Mt. Mbam	5,766667	14,1	476479883	MCZ:Herp:A-137960	b4640710-8e03-11d8·
	0,621683	10,4067	3025630836	https://darwin.naturalsciences.be/u	https://www.wikidata
near Tchimb	-0,61402	10,39992	1830947676	http://id.smns-bw.org/smns/collection/23350/466746/42	
Tumungu vi	-3,56455	28,66619	2234845334	http://arctos.database.museum/gui	UTEP
Tumungu vi	-3,56979	28,66113	2234844547	http://arctos.database.museum/gui	UTEP
Bilimba	-3,461	28,7829	2234844020	http://arctos.database.museum/gui	UTEP
Tumungu vi	-3,5537	28,67422	2234843420	http://arctos.database.museum/gui	UTEP
Tumungu vi	-3,53545	28,67411	2234843403	http://arctos.database.museum/gui	UTEP
Loungou fiel	-2,4922	13,7431	3028129305	http://n2t.net/ark:/65665/3c4b06f(	http://grbio.org/cool/1
Simombond	-2,31967	13,6568	3028012343	http://n2t.net/ark:/65665/391e3f54	http://grbio.org/cool/1
Simombond	-2,31967	13,6568	3027991116	http://n2t.net/ark:/65665/36e6bfe7	http://grbio.org/cool/1
Loungou fiel	-2,4922	13,7431	3027967616	http://n2t.net/ark:/65665/308ef52a	http://grbio.org/cool/1
	4,735201	9,810791	2988349301	104898	
	-1,52143	9,527647	2814109462	39876585	
	0,762883	15,256908	2563471601	35667121	
Republic of	-2,32	13,66	2310691432	KY080247	
Republic of	-2,49	13,74	2309581293	KY079723	
Republic of	-2,32	13,66	2308535906	KY079722	
Republic of	-2,49	13,74	2308374410	KY080248	
Ogooue Rive	-2,08222	12,12813	1839291451	5e83de48-f035-4442-948f-dcdf1998ef99	
Kon-Yambet	4,832611	11,061639	1656644207	urn:catalog:CAS:HERP:261151	CAS
Simombond	-2,31967	13,6568	1321345674	http://n2t.net/ark:/65665/3b740c2	http://biocol.org/urn:l
Loungou fiel	-2,4922	13,7431	1318978852	http://n2t.net/ark:/65665/34e8f83(	http://biocol.org/urn:l
02 07 28.12	-2,12448	13,63506	1211002698	urn:catalog:CAS:HERP:258234	CAS
Manjo, Man	4,856017	9,747961	1062024546	urn:catalog:CAS:HERP:256719	CAS
Manjo Area,	4,84975	9,77183	890183556	urn:catalog:CAS:HERP:254088	CAS
Manjo Area,	4,84975	9,77183	890183550	urn:catalog:CAS:HERP:254053	CAS
Manjo Area,	4,84975	9,77183	890183548	urn:catalog:CAS:HERP:254063	CAS
Manjo Area,	4,84975	9,77183	890183530	urn:catalog:CAS:HERP:254062	CAS
Manjo Area,	4,84975	9,77183	890183516	urn:catalog:CAS:HERP:254061	CAS
Manjo Area,	4,84975	9,77183	890183465	urn:catalog:CAS:HERP:253974	CAS
Manjo Area,	4,84975	9,77183	890183385	urn:catalog:CAS:HERP:253975	CAS
Mekas, Dja I	3,173761	12,527139	890183095	urn:catalog:CAS:HERP:253546	CAS
Mekas, Dja I	3,173231	12,528469	890183083	urn:catalog:CAS:HERP:253605	CAS
Mekas, Dja I	3,179031	12,528681	890183031	urn:catalog:CAS:HERP:253540	CAS
Mekas, Dja I	3,173761	12,527139	890183029	urn:catalog:CAS:HERP:253600	CAS
Mekas, Dja I	3,173761	12,527139	890183003	urn:catalog:CAS:HERP:253516	CAS

Mekas, Dja	3,173761	12,527139	890183000	urn:catalog:CAS:HERP:253599	CAS
Mekas, Dja	3,169119	12,528869	890182954	urn:catalog:CAS:HERP:253561	CAS
Mekas, Dja	3,169119	12,528869	890182945	urn:catalog:CAS:HERP:253560	CAS
Mekas, Dja	3,169119	12,528869	890182929	urn:catalog:CAS:HERP:253559	CAS
Ivindo Natio	0,51121	12,80278	476774020	MCZ:Herp:A-140269	b4640710-8e03-11d8
Efolofo, N s	4,358333	9,091667	476577947	MCZ:Herp:A-136761	b4640710-8e03-11d8
Ivindo Natio	0,51121	12,80278	476558697	MCZ:Herp:A-139800	b4640710-8e03-11d8
Lukumete	1,294	23,431	197138676	197138676	
Nyasoso	4,83	9,68	1321569155	http://n2t.net/ark:/65665/3c11b89	http://biocol.org/urn:l
Nyasoso	4,83	9,68	1321397105	http://n2t.net/ark:/65665/3b9837e	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1320929668	http://n2t.net/ark:/65665/3a4dcfc4	http://biocol.org/urn:l
Simombond	-2,32067	13,6578	3028073942	http://n2t.net/ark:/65665/34b33e9	http://grbio.org/cool/
Simombond	-2,32067	13,6578	3028047320	http://n2t.net/ark:/65665/3e88049	http://grbio.org/cool/
	6,071357	5,518026	2988492456	43046537	
	5,667109	8,252961	2988354336	20199143	
	4,301529	9,273777	2988322301	104908	
	4,735201	9,810791	2988306301	104897	
	-2,420472	12,872	2814257028	51090178	
	5,667109	8,252961	2573800734	20199144	
Manengouba	4,847781	9,819669	2430638683	urn:catalog:CAS:HERP:264145	CAS
Manengouba	4,847781	9,819669	2430638345	urn:catalog:CAS:HERP:264157	CAS
Manengouba	4,847781	9,819669	2430638067	urn:catalog:CAS:HERP:264144	CAS
	4,061044	9,043873	2397450299	15223418	
Republic of	-2,32	13,66	2309165248	KY079724	
Republic of	-2,32	13,66	2307975286	KY080249	
Congo Rive	-2,10339	12,13954	1839291892	e304a81f-b7b3-4f8c-b10f-58490489c6fd	
Congo Rive	-2,0876	12,13804	1839291881	e1c69880-d4f0-4987-8c13-0df7377ef328	
Congo Rive	-2,10339	12,13954	1839291305	2f1726a7-9ab7-41af-b508-3601e34016dc	
Kon-Yambet	4,832611	11,061639	1656644215	urn:catalog:CAS:HERP:261149	CAS
Ekomtolo	4,83	9,93	1322666361	http://n2t.net/ark:/65665/3f1b5a6b	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1322176345	http://n2t.net/ark:/65665/3dc0744	http://biocol.org/urn:l
Simombond	-2,32067	13,6578	1321703881	http://n2t.net/ark:/65665/3c71589	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1320953365	http://n2t.net/ark:/65665/3a5e8a6c	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1320705243	http://n2t.net/ark:/65665/39af7641	http://biocol.org/urn:l
Eyimba	4,88	9,98	1318929504	http://n2t.net/ark:/65665/34c5f1ae	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1318728020	http://n2t.net/ark:/65665/34377c5	http://biocol.org/urn:l
Mundemba t	5,06921	8,85979	1309944485	8b38ea1d-70e8-4faf-9700-47c7eed	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944472	2b661bfd-d2b6-40bc-8099-76cb7d	http://grbio.org/cool/i
Manengouba	4,84778	9,81967	1249225869	796fd911-7f85-47f3-91ba-766514	http://grbio.org/cool/
Manengouba	4,84778	9,81967	1249225864	ebf71e2e-799a-48d9-b9ed-5deda29	http://grbio.org/cool/
Manengouba	4,84778	9,81967	1249225860	5b8cab17-5341-4b7e-b045-7839e0	http://grbio.org/cool/
Mitone Rive	-0,63971	10,21318	1211002437	urn:catalog:CAS:HERP:257992	CAS
Manjo, Man	4,856017	9,747961	1062024815	urn:catalog:CAS:HERP:256875	CAS
Ekenzu, 4 5	4,94781	9,69563	890183560	urn:catalog:CAS:HERP:254095	CAS
Manjo Area,	4,84975	9,77183	890183458	urn:catalog:CAS:HERP:253980	CAS

Small Koto,	4,32676	9,06609	890183297	urn:catalog:CAS:HERP:253772	CAS
Small Koto,	4,32676	9,06609	890183272	urn:catalog:CAS:HERP:253773	CAS
Small Koto,	4,32676	9,06609	890183106	urn:catalog:CAS:HERP:253771	CAS
Mekas, Dja	3,179789	12,538339	890183028	urn:catalog:CAS:HERP:253529	CAS
Mekas, Dja	3,173331	12,52715	890182873	urn:catalog:CAS:HERP:253497	CAS
Mebam, con	2,6106	14,0234	890182781	urn:catalog:CAS:HERP:253372	CAS
Minkebe Nat	1,154444	12,699167	1839364907	MCZ:Herp:A-149199	b4640710-8e03-11d8-
Minkebe Nat	1,154444	12,699167	1839364904	MCZ:Herp:A-149198	b4640710-8e03-11d8-
Minkebe Nat	1,154444	12,699167	1839349378	MCZ:Cryo:2327	b4640710-8e03-11d8-
Efolofo, N s	4,358333	9,091667	476577946	MCZ:Herp:A-136760	b4640710-8e03-11d8-
Ivindo Natio	0,51121	12,80278	476555687	MCZ:Herp:A-139798	b4640710-8e03-11d8-
Ganganya Bı	1,51413	17,9378	3028121668	http://n2t.net/ark:/65665/3d4b602	http://grbio.org/cool/1
Ganganya Bı	1,51413	17,9378	3028113403	http://n2t.net/ark:/65665/3b4085d	http://grbio.org/cool/1
Ganganya Bı	1,51413	17,9378	3028072315	http://n2t.net/ark:/65665/339da33	http://grbio.org/cool/1
Impongui	1,08811	17,3074	3028063380	http://n2t.net/ark:/65665/31f0affbe	http://grbio.org/cool/1
Impongui	1,08811	17,3074	3028008638	http://n2t.net/ark:/65665/39731c1	http://grbio.org/cool/1
Ganganya Bı	1,51413	17,9378	3027966189	http://n2t.net/ark:/65665/31875ab	http://grbio.org/cool/1
	-2,108184	11,58923	2988610403	35974726	
	4,280338	10,31651	2626419980	46183470	
Bioko Island	3,70239	8,87358	2426898791	http://n2t.net/ark:/65665/3fb72b21	http://biocol.org/urn:l
Gabon:Nyan	-3,23	10,57	2310989165	KY079726	
Republic of	1,51	17,94	2310653157	KY079725	
Republic of	1,51	17,94	2309996530	KY080250	
Gabon:Nyan	-3,23	10,57	2308023796	KY080251	
Forest above	4,991	9,979	1899932228	55b3f804-cf34-4ed5-93d6-4d78a3	http://grbio.org/cool/1
Forest above	4,991	9,979	1899932207	aa00302c-e302-4aaa-aee5-3f8063a2	http://grbio.org/cool/1
Hormigas C	3,32957	8,47962	1852461040	4e1e1ad7-5381-11e6-9649-a4a344	http://grbio.org/cool/1
Congo River	-2,04186	12,17418	1839291820	c60c7da9-1b6d-4b17-80a0-31f1a15f160d	
Congo River	-2,0876	12,13804	1839291466	6240959e-00df-4a16-9a01-9fedc6e0abe6	
vicinity of M	5,062889	8,847319	1324205150	urn:catalog:CAS:HERP:260125	CAS
vicinity of M	5,119211	8,859789	1324205135	urn:catalog:CAS:HERP:260161	CAS
vicinity of M	5,119211	8,859789	1324205112	urn:catalog:CAS:HERP:260160	CAS
vicinity of M	5,119211	8,859789	1324205087	urn:catalog:CAS:HERP:260163	CAS
vicinity of M	5,062889	8,847319	1324205080	urn:catalog:CAS:HERP:260126	CAS
vicinity of M	5,119111	8,859719	1324205077	urn:catalog:CAS:HERP:260137	CAS
vicinity of M	5,119211	8,859789	1324205071	urn:catalog:CAS:HERP:260164	CAS
vicinity of M	5,119211	8,859789	1324205047	urn:catalog:CAS:HERP:260162	CAS
Nyasoso	4,83	9,68	1322923633	http://n2t.net/ark:/65665/3fd1fd87	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1321571332	http://n2t.net/ark:/65665/3c133e7	http://biocol.org/urn:l
Nyasoso	4,83	9,68	1320248116	http://n2t.net/ark:/65665/386b58f	http://biocol.org/urn:l
Nyasoso	4,83	9,68	1320150574	http://n2t.net/ark:/65665/3826221	http://biocol.org/urn:l
Nyasoso	4,83	9,68	1319881251	http://n2t.net/ark:/65665/3767f0a5	http://biocol.org/urn:l
Impongui	1,08811	17,3074	1319422266	http://n2t.net/ark:/65665/362331b	http://biocol.org/urn:l
Ganganya Bı	1,51413	17,9378	1317716835	http://n2t.net/ark:/65665/316bd8e	http://biocol.org/urn:l
Dikome-Balu	4,9287	9,2443	1309944652	f377ff7c-a019-4ac5-a23a-5e9e0d26	http://grbio.org/cool/1

Dikome-Bal	4,9287	9,2443	1309944631	7ce1a916-a83d-4d3b-8aae-9e40172	http://grbio.org/cool/i
Dikome-Bal	4,9287	9,2443	1309944625	ba643a40-92bc-4271-834c-bc4152	http://grbio.org/cool/i
Dikome-Bal	4,9287	9,2443	1309944614	c500ae9a-f26b-4a5b-a124-a890ba0	http://grbio.org/cool/i
Dikome-Bal	4,9287	9,2443	1309944612	bfdbe57f-5697-40f5-a0ea-858d7bf	http://grbio.org/cool/i
Dikome-Bal	4,9287	9,2443	1309944597	d96452c4-1e4c-4904-8df4-9a717e	http://grbio.org/cool/i
Dikome-Bal	4,9287	9,2443	1309944567	81307249-cfcb-4430-85e4-47762b	http://grbio.org/cool/i
Mondemba t	5,06911	8,85972	1309944550	5cd586f9-e4c4-432b-9140-fb46dd	http://grbio.org/cool/i
Mondemba t	5,06911	8,85972	1309944523	b175b0f1-2651-4d2c-a21b-c0a929	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944522	84f89940-9dd6-4f2c-b100-fd96f85	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944503	edf8b2b5-b386-4c6d-b4a5-a4be03	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944490	1efda911-1888-4158-ab98-707f0c2	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944458	e07fe94d-0ac2-45de-ba4a-a1842d1	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944457	d98b086d-0568-428f-a14f-a5887b	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944443	0cb818d0-9019-49db-b2b4-1dadc	http://grbio.org/cool/i
Mitone, 00 3	-0,64286	10,21713	1211002495	urn:catalog:CAS:HERP:258029	CAS
Edib Village	4,96335	9,6751	890183576	urn:catalog:CAS:HERP:254113	CAS
Pico Basile	3,702389	8,873583	543560962	urn:catalog:CAS:HERP:207830	CAS
Yoko Reserv	0,29397	25,29512	2579616993	1d3ddd642e4be4cdc127b12426492f0cc6dc9bc1	
	4,95	9,85	1830947539	http://id.smns-bw.org/smns/collection/21336/464732/42	
	4,95	9,85	1830947515	http://id.smns-bw.org/smns/collection/21300/464696/42	
	5	9,73333	1830947512	http://id.smns-bw.org/smns/collection/21302/464698/42	
	4,96667	9,86667	1830947479	http://id.smns-bw.org/smns/collection/21301/464697/42	
	5,01667	9,76667	1830947470	http://id.smns-bw.org/smns/collection/21303/464699/42	
Rd of Doual	3,81667	11,2	614860804		
E of Ntale V	5,331392	9,65812	476578438	MCZ:Herp:A-136799	b4640710-8e03-11d8-
Ivindo Natio	0,51121	12,80278	476559864	MCZ:Herp:A-139794	b4640710-8e03-11d8-
Bomassa	2,2	16,18917	476558053	MCZ:Herp:A-135813	b4640710-8e03-11d8-
Ivindo Natio	0,51121	12,80278	476509161	MCZ:Herp:A-139796	b4640710-8e03-11d8-
Ituri Forest	1,40074	28,56902	2027455468	312f6f12dd9bbe22524fda9a2004e0de681789a3	
Manengouba	4,985311	9,811139	2430638870	urn:catalog:CAS:HERP:264059	CAS
Bamenda Hi	5,927161	10,125811	2430638370	urn:catalog:CAS:HERP:264120	CAS
Bioko Island	3,32492	8,67114	2426947446	http://n2t.net/ark:/65665/357dea0	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426946796	http://n2t.net/ark:/65665/3d407c9	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426944606	http://n2t.net/ark:/65665/38747c1	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426939720	http://n2t.net/ark:/65665/3b9ce17	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426916690	http://n2t.net/ark:/65665/3b60821	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426912717	http://n2t.net/ark:/65665/3b48a91	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426912714	http://n2t.net/ark:/65665/3b38645	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426910604	http://n2t.net/ark:/65665/3936932	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426885764	http://n2t.net/ark:/65665/3f52d61	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426879320	http://n2t.net/ark:/65665/34d6a6c	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426873320	http://n2t.net/ark:/65665/34bc0a5	http://biocol.org/urn:l
Bioko Island	3,36097	8,66742	2426864644	http://n2t.net/ark:/65665/3c94d02	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426863598	http://n2t.net/ark:/65665/3a50193	http://biocol.org/urn:l
Bioko Island	3,32492	8,67114	2426859755	http://n2t.net/ark:/65665/3ecb702	http://biocol.org/urn:l

Bioko Islanc	3,32492	8,67114	2426853647	http://n2t.net/ark:/65665/3cc9839	http://biocol.org/urn:l
Bioko Islanc	3,32492	8,67114	2426847071	http://n2t.net/ark:/65665/33b3e36	http://biocol.org/urn:l
Bioko Islanc	3,32492	8,67114	2426844197	http://n2t.net/ark:/65665/33104fb	http://biocol.org/urn:l
Bioko Islanc	3,32492	8,67114	2426837366	http://n2t.net/ark:/65665/32df2b3	http://biocol.org/urn:l
Bioko Islanc	3,32492	8,67114	2426832847	http://n2t.net/ark:/65665/3289511	http://biocol.org/urn:l
Bioko Islanc	3,36097	8,66742	2426827953	http://n2t.net/ark:/65665/3172646	http://biocol.org/urn:l
Bioko Islanc	3,33181	8,66953	2426825919	http://n2t.net/ark:/65665/30fa6821	http://biocol.org/urn:l
Bioko Islanc	3,32492	8,67114	2426825337	http://n2t.net/ark:/65665/30d71b7	http://biocol.org/urn:l
Bioko Islanc	3,32492	8,67114	2426824399	http://n2t.net/ark:/65665/30a12e3	http://biocol.org/urn:l
Bioko Islanc	3,32492	8,67114	2426823397	http://n2t.net/ark:/65665/306886d	http://biocol.org/urn:l
Bioko Islanc	3,32492	8,67114	2426821822	http://n2t.net/ark:/65665/300cf9eb	http://biocol.org/urn:l
Nsoung, nea	4,829694	9,689028	1989833788	87419b5d-6968-4ea8-872b-270006dd9803	
Forest above	4,991	9,979	1899932232	d80238a2-0d42-4851-b035-2c886	http://grbio.org/cool/
Forest above	4,991	9,979	1899932225	2ce4b56d-12e2-485d-8f2b-6123fe	http://grbio.org/cool/
Forest above	4,991	9,979	1899932212	6fc78e11-83e1-4b77-b664-3d7ac5	http://grbio.org/cool/
Forest above	4,991	9,979	1899932211	fedb6579-566a-4cc7-93f9-a09fdab	http://grbio.org/cool/
Forest above	4,991	9,979	1899932204	64bd9ab4-9722-48a6-9d37-39429	http://grbio.org/cool/
Forest above	4,991	9,979	1899932196	44ee922a-9d20-407e-bc5e-8d54a1	http://grbio.org/cool/
Enguengue V	4,91725	9,98705	1899932195	fa2ce13b-a824-4f99-b247-2c45bf6	http://grbio.org/cool/
Forest above	4,991	9,979	1899932193	943b8266-7de6-4f54-ae01-b8aa93	http://grbio.org/cool/
Forest above	4,991	9,979	1899932192	705b1d9e-0a27-4d73-a334-b51ed1	http://grbio.org/cool/
Forest above	4,991	9,979	1899932179	74cdac89-d933-4ed0-8f3b-840fe95	http://grbio.org/cool/
Forest above	4,991	9,979	1899932175	0fa1075c-e489-450e-a349-9cbc493	http://grbio.org/cool/
Forest above	4,991	9,979	1899932173	b7bbb585-c061-4ccb-b97b-95c314	http://grbio.org/cool/
Forest above	4,991	9,979	1899932161	9ba10bee-98fd-4b73-8209-e83deac	http://grbio.org/cool/
North Camp	3,365333	8,50005	1852459870	4e19add1-5381-11e6-9649-a4a344	http://grbio.org/cool/
Congo River	-2,10339	12,13954	1839291545	795b57a9-f866-4229-b23f-b0c28fbd86b3	
vicinity of M	5,119211	8,859789	1324205175	urn:catalog:CAS:HERP:260165	CAS
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vicinity of M	5,062889	8,847319	1324205058	urn:catalog:CAS:HERP:260127	CAS
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vicinity of M	5,062889	8,847319	1324205021	urn:catalog:CAS:HERP:260129	CAS
Ekomtolo	4,83	9,93	1322196820	http://n2t.net/ark:/65665/3dcee09f	http://biocol.org/urn:l
Nnemeyong/	2,45	10,47	1321723901	http://n2t.net/ark:/65665/3c7f81a4	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1320533167	http://n2t.net/ark:/65665/39353f5	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1320308391	http://n2t.net/ark:/65665/38964eb	http://biocol.org/urn:l
Nyasoso	4,83	9,68	1319260302	http://n2t.net/ark:/65665/35b09e5	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1319191369	http://n2t.net/ark:/65665/357fcfef	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1318837895	http://n2t.net/ark:/65665/3485221	http://biocol.org/urn:l
Nsana/Ntem	2,27	11,23	1318617561	http://n2t.net/ark:/65665/33e969a	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1318122386	http://n2t.net/ark:/65665/328ac22	http://biocol.org/urn:l
Dikome-Bal	4,9287	9,2443	1309944632	296a8892-19c9-4a4d-98fc-d7ee0a2	http://grbio.org/cool/i
Mondemba t	5,06289	8,84732	1309944548	2522f273-1ca2-4290-9164-f4559d	http://grbio.org/cool/i
Mondemba t	5,06289	8,84732	1309944510	c251234d-a1c8-42d5-8edf-bdd3ca8	http://grbio.org/cool/i

Mundemba t	5,06921	8,85979	1309944450	c3f61325-10f0-41e9-bb4f-d52311c	http://grbio.org/cool/i
Manengouba	4,96723	9,8079	1249225862	0cc05f7f-6fea-4ec7-84dc-0f607c0a	http://grbio.org/cool/(
Manengouba	4,98531	9,81114	1249225850	2d28972f-60a3-4a1b-816c-35aecaa	http://grbio.org/cool/(
Bamenda Hi	5,92716	10,12581	1249225821	a7b9010b-2734-46e0-8fb7-52bad0	http://grbio.org/cool/(
02 09 16.59(	-2,15461	13,6414	1211002710	urn:catalog:CAS:HERP:258253	CAS
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Stream soutl	5,35679	8,43212	1145566284	http://arctos.database.museum/gui	MVZ
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Bangoua, 5	5,20937	10,48862	890183676	urn:catalog:CAS:HERP:254196	CAS
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Edib Village	4,9606	9,6686	890183616	urn:catalog:CAS:HERP:254130	CAS
Edib Village	4,96335	9,6751	890183593	urn:catalog:CAS:HERP:254111	CAS
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Edib Village	4,9606	9,6686	890183583	urn:catalog:CAS:HERP:254129	CAS
Edib Village	4,96335	9,6751	890183580	urn:catalog:CAS:HERP:254110	CAS
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Bangoua, 5	5,20937	10,48862	890183404	urn:catalog:CAS:HERP:254199	CAS
Bangoua, 5	5,20937	10,48862	890183392	urn:catalog:CAS:HERP:254198	CAS
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Manengouba	4,95493	9,86721	890183197	urn:catalog:CAS:HERP:253817	CAS
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Mekas, Dja I	3,173339	12,529019	890183114	urn:catalog:CAS:HERP:253579	CAS
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vic Moka M	3,331806	8,669528	543560986	urn:catalog:CAS:HERP:207852	CAS
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Dja Reserve,	3,190556	12,811667	543551486	urn:catalog:CAS:HERP:199302	CAS
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Kponyo	3,48277	24,13583	2579617794	1f2d10b2d8c3a236bc12277f80b0cd3a98d594e7	
Kayete	0,13051	25,6177	2579617520	11f170ddcef632dd6fc0b5dab09b14d858801486	
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Kayete	0,12907	25,61066	2579617427	c95542d17728f1983d90d104a37db21437416512	
Uma	0,5536	25,9321	2579617289	87707b96771099e7883d5afc4f35e8ff4e3e176a	
Masako Res	0,61064	25,26188	2579617239	cb8fad2d8bcd4474c9470c9f2adb7d17e25cf3c1	
Masako Res	0,61077	25,27325	2579617213	3276de53d89846c54dd122d9e8af70050b5b5065	
Masako Res	0,60175	25,26431	2579617110	48ab012f8a59e32193d69dead92ffb38891fc79b	
Masako Res	0,61064	25,26188	2579617107	c9c2d5bf8ca030018358d28cc1f8f8b7c6582a1b	
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Masako Res	0,61064	25,26188	2579617092	a5498efce34170851c3da90115cf977f2238c315	
Masako Res	0,61064	25,26188	2579617023	bbf7e9a558f2c3b8a98321f40906ab9e1dc61cfe	
Yoko Reserv	0,30036	25,27924	2579616647	066e74d907579e4c61e4d7f5df29c95be54c57c1	
Kayete	0,13051	25,6177	2027456304	1daeb82f4cf51336ee5196db0082228fd40435f9	
Kayete	0,12907	25,61066	2027456283	4d1fbe944c768302a2ca5296a115dbe9f8089e88	
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Buta	3,32663	24,02382	2027455535	60ea4f3ded78a7dd024534b1f1579e2ac2de265d	
Buta	3,32663	24,02382	2027455493	ea95874e122610c07e6bb97b664ae5f536f397af	
Ituri Forest	1,40074	28,56902	2027455484	8579660b20805770e39520405ab07bd26844ff4b	
Ituri Forest	1,40019	28,56688	2027455474	3334d53980496f493f21efd86bec7de68368c4f0	
Ituri Forest	1,39594	28,58093	2027455471	a7d4e8de043a82a3da250d42859680fd6a3f8953	

Ivindo Natio	0,49986	12,80182	476772196	MCZ:Herp:A-140257	b4640710-8e03-11d8·
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Ivindo Natio	0,49986	12,80182	476768599	MCZ:Herp:A-139741	b4640710-8e03-11d8·
Ivindo Natio	0,49986	12,80182	476766959	MCZ:Herp:A-139740	b4640710-8e03-11d8·
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Nsoung	4,983333	9,813333	476578353	MCZ:Herp:A-138028	b4640710-8e03-11d8·
Efolofo, N s	4,358333	9,091667	476577949	MCZ:Herp:A-136764	b4640710-8e03-11d8·
Bomassa	2,2	16,18917	476558156	MCZ:Herp:A-135815	b4640710-8e03-11d8·
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Bamenda, M	5,92765	10,128592	1062024828	urn:catalog:CAS:HERP:256948	CAS
Monts de Cı	0,62563	10,39653	476803608	MCZ:Herp:A-139811	b4640710-8e03-11d8·
Monts de Cı	0,62325	10,40275	476802553	MCZ:Herp:A-139813	b4640710-8e03-11d8·
Monts de Cı	0,44959	10,27583	476768365	MCZ:Herp:A-139633	b4640710-8e03-11d8·
Monts de Cı	0,62563	10,39653	476768256	MCZ:Herp:A-139810	b4640710-8e03-11d8·
Western Reg	5,2818	-2,64169	1303200007	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303199924	http://arctos.database.museum/gui	UWBM
Western Reg	5,21956	-2,65039	1303199920	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303199908	http://arctos.database.museum/gui	UWBM
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Western Reg	5,2818	-2,64169	1303199893	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199862	http://arctos.database.museum/gui	UWBM
Sapo Nation	5,5	-9,5	1211735666	URI:catalog:ROM:Reptiles and Amphibians:19870	
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Grebo Natio	5,402	-7,734	197138671	197138671	
Draw River	5,2	-2,4	197138595	197138595	
Cavally	6,174	-7,788	197138554	197138554	
Haute Dodo	4,9	-7,316	197138551	197138551	
Ogooue Riv	-2,11889	12,1293	1839291764	b74a8294-f9db-4b9f-9e07-a73894aa6d8a	
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Congo Rive	-2,08275	12,1361	1839291576	841aa93f-87a8-4bed-a4b0-5a4491268e68	
Ogooue Riv	-2,11889	12,1293	1839291429	57394587-9113-492e-9a15-097ebb39dbee	
Ogooue Riv	-2,11889	12,1293	1839291209	0c5e7e74-9c82-4ceb-a792-3b6d0c84c546	
Congo Rive	-2,08275	12,1361	1839291169	02d0b4df-cfde-4432-99fa-909aedf8d9aa	
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Stream soutl	5,36628	8,43442	2427838578	http://arctos.database.museum/gui	MVZ
Epulu	1,3984	28,5679	2234843931	http://arctos.database.museum/gui	UTEP
Ogooue Riv	-1,16282	11,81675	1839291965	fcb2e911-be6f-408c-ae05-5e2e79f7dabd	
Ogooue Riv	-1,17434	11,81792	1839291512	6da15417-e1ef-4aae-a867-e5b316fa2e77	
Congo Rive	-2,05552	12,15799	1839291235	194353cc-6384-4928-9d52-fcd38185caf4	
Nguengue	4,9172	9,9892	1322126159	http://n2t.net/ark:/65665/3d9d043	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1320659957	http://n2t.net/ark:/65665/398f501	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1320260654	http://n2t.net/ark:/65665/3874313	http://biocol.org/urn:l

Doumaye	-2,23806	13,58235	1249234567	urn:catalog:OMNH:OCGR:13749	
Ant River, u	-0,80493	12,81241	1211002789	urn:catalog:CAS:HERP:258303	CAS
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Junkville, 0(	-0,06216	11,1587	1211002606	urn:catalog:CAS:HERP:258119	CAS
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Elephant Riv	-0,04916	11,16428	1211002552	urn:catalog:CAS:HERP:258126	CAS
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Mitone Rive	-0,63971	10,21318	1211002463	urn:catalog:CAS:HERP:257991	CAS
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Mekas, Dja I	3,173339	12,529019	890183159	urn:catalog:CAS:HERP:253582	CAS
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Mekas, Dja I	3,173339	12,529019	890183127	urn:catalog:CAS:HERP:253580	CAS
Mekas, Dja I	3,179031	12,528681	890183042	urn:catalog:CAS:HERP:253541	CAS
Ngoyla, com	2,622781	14,024461	890182786	urn:catalog:CAS:HERP:253388	CAS
Ngoyla, com	2,622781	14,024461	890182780	urn:catalog:CAS:HERP:253387	CAS
Ngoyla, com	2,622781	14,024461	890182770	urn:catalog:CAS:HERP:253386	CAS
Kponyo	3,48277	24,13583	2579617747	ca2c6b73ef6adb502ba261ae30e211508e5c8267	
Yoko Reserv	0,32316	25,25658	2579616946	fa6b58f22588261ac066c2df4cc13101f62fe261	
Yoko Reserv	0,32316	25,25658	2579616904	85bb5afdad253b74d4b2b30317ee43e9ade96da3	
Ituri forest	2,02734	30,06653	2027456096	cfcf4698a43803f4b7bfe0e56804618293b6d238	
Ituri forest	2,02734	30,06653	2027456037	fef39d4335e0aee31005f94d80842895a218778c	
Buta	3,32663	24,02382	2027455499	1783c25d35aa7971f3173429b618af0b5c413da0	
Ituri Forest	1,24554	28,34337	2027455428	cd05dfae58e217a2c3f7f06cccace211d9d9295e	
Efolofo, N s	4,358333	9,091667	476577851	MCZ:Herp:A-136759	b4640710-8e03-11d8-
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Mamang Riv	6,24962	-1,04075	1145565505	http://arctos.database.museum/gui	MVZ
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Draw River	5,2	-2,4	197138596	197138596	
Cavally	6,174	-7,788	197138555	197138555	
Haute Dodo	4,9	-7,316	197138552	197138552	

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Kissiki field	-2,7885	13,5032	3028019474	http://n2t.net/ark:/65665/3afce0cc	http://grbio.org/cool/1
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Congo River	-2,05552	12,15799	1839291846	d04ce239-50f9-43a6-9aad-6bccd184e80a	
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Congo River	-2,05552	12,15799	1839291620	917f8f53-d536-4496-a85e-823f556448c7	
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Ivindo Natio	0,51121	12,80278	476791215	MCZ:Herp:A-139793	b4640710-8e03-11d8-
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Ivindo Natio	0,49986	12,80182	476766855	MCZ:Herp:A-139739	b4640710-8e03-11d8-
Ivindo Natio	0,51624	12,79457	476597133	MCZ:Herp:A-139755	b4640710-8e03-11d8-
Ivindo Natio	0,49986	12,80182	476509701	MCZ:Herp:A-139736	b4640710-8e03-11d8-
Lukumete	1,294	23,431	197138677	197138677	
Kokolopori	-0,25	22,866667	462396683	f7b1457d-cc26-428b-b407-3d39f3a2a8ff	

Kokolopori	-0,25	22,866667	462396334	f2222ca7-cc70-4f97-a396-08f396f8b3cc	
Kokolopori	-0,25	22,866667	462396332	f220c77a-8433-4da5-9ce2-0792b9f4f18a	
Kokolopori	-0,25	22,866667	462395798	e948b717-a6bb-44f1-89ed-ef2d26b82d75	
Kokolopori	-0,25	22,866667	462395616	e65f1a15-0785-446f-bf6e-abcc579491d7	
Kokolopori	-0,25	22,866667	462394412	d191de16-696b-4955-a6ed-269e15512133	
Kokolopori	-0,25	22,866667	462394155	cdc413dc-3e12-427c-a224-5f5a0b02d315	
Kokolopori	-0,25	22,866667	462393826	c888dca8-6afe-434f-b22f-7ebc92b7c519	
Kokolopori	-0,25	22,866667	462393645	c5b97821-ed42-4cf0-8d39-630fbaf66a03	
Kokolopori	-0,25	22,866667	462392702	b54bbf73-8c55-423d-8d7f-deef851a580d	
Kokolopori	-0,25	22,866667	462392183	ac747cd2-2b83-499b-a24b-049cf0d151be	
Kokolopori	-0,25	22,866667	462389558	831c4953-c413-44ea-a827-117bb9412157	
Kokolopori	-0,25	22,866667	462389218	7db1bce4-7894-48c8-9926-62af76dabe3e	
Kokolopori	-0,25	22,866667	462387994	698155a1-c7c4-40aa-af7b-4203cbf94808	
Kokolopori	-0,25	22,866667	462387775	65ed78a5-90c1-4d73-86fc-1590458dd5bd	
Kokolopori	-0,25	22,866667	462387401	60156227-4262-4a3c-b66d-89ca9cd8b85a	
Kokolopori	-0,25	22,866667	462387015	5a022692-e160-449d-b7c0-f8ac4eefc527	
Kokolopori	-0,25	22,866667	462384604	347ce9c9-bbe7-488e-9769-6df4dfb61888	
Kokolopori	-0,25	22,866667	462383752	2785baf3-392c-48c9-876a-f87dac70ccbe	
Kokolopori	-0,25	22,866667	462382467	122dd74c-d8a2-4300-8a44-fa362ea519b5	
Kokolopori	-0,25	22,866667	462382014	0aa52160-9447-4b96-9dc9-649775ef13fd	
vicinity of M	5,119211	8,859789	1324205213	urn:catalog:CAS:HERP:260167	CAS
vicinity of M	5,119211	8,859789	1324205104	urn:catalog:CAS:HERP:260168	CAS
	5,318984	8,349917	2988474768	63317630	
	4,236514	10,327496	2626293838	46183471	
Manengouba	4,847781	9,819669	2430638766	urn:catalog:CAS:HERP:264084	CAS
Mount Kupe	4,81755	9,679519	2430638577	urn:catalog:CAS:HERP:264041	CAS
Mount Kupe	4,81755	9,679519	2430638456	urn:catalog:CAS:HERP:264043	CAS
Mount Kupe	4,81755	9,679519	2430638335	urn:catalog:CAS:HERP:264042	CAS
Mount Kupe	4,81755	9,679519	2430638249	urn:catalog:CAS:HERP:264040	CAS
Manengouba	4,847781	9,819669	2430638199	urn:catalog:CAS:HERP:264083	CAS
Mount Kupe	4,81755	9,679519	2430638103	urn:catalog:CAS:HERP:264044	CAS
Stream soutl	5,36628	8,43442	2427838580	http://arctos.database.museum/gui	MVZ
Manjo Towr	4,84778	9,81967	2027289147	bea469b5-f7d6-4c07-96f1-d36e36(	http://grbio.org/cool/(
Manjo Towr	4,84778	9,81967	2027289141	909a66a5-92bf-486b-bcd7-ecfc9fd7	http://grbio.org/cool/(
Manjo Towr	4,84778	9,81967	2027288977	3c606d51-fa12-4eeb-bbe5-74e3303	http://grbio.org/cool/(
Kon-Yambet	4,834139	11,058278	1989833754	60c6f921-6ec4-4c81-94f0-35fb4b5696e6	
Kon-Yambet	4,834139	11,058278	1989833578	024b079e-c4cb-4893-ae37-d3b125d01d29	
Ogooue Riv(	-1,16641	11,81552	1839291680	a05a6725-50c9-4322-921d-309a50373e19	
vicinity of M	5,119111	8,859719	1324205169	urn:catalog:CAS:HERP:260139	CAS
vicinity of M	5,062889	8,847319	1324205082	urn:catalog:CAS:HERP:260130	CAS
Bakossi Mo	2,8	9,9	1322275416	http://n2t.net/ark:/65665/3e06b5b	http://biocol.org/urn:l
Nyasoso	4,83	9,68	1322007843	http://n2t.net/ark:/65665/3d499df	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1321579460	http://n2t.net/ark:/65665/3c18f574	http://biocol.org/urn:l
Yingui/Mak(	4,6	10,27	1320552844	http://n2t.net/ark:/65665/394362b	http://biocol.org/urn:l
Bakossi Mo	2,8	9,9	1320021692	http://n2t.net/ark:/65665/37cb345	http://biocol.org/urn:l

Ekomtolo	4,83	9,93	1319477514	http://n2t.net/ark:/65665/364a228	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1318216083	http://n2t.net/ark:/65665/32cd7d4	http://biocol.org/urn:l
Bakossi Mo	2,8	9,9	1317715352	http://n2t.net/ark:/65665/316adf88	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1317454604	http://n2t.net/ark:/65665/30b290b	http://biocol.org/urn:l
Mondemba t	5,06911	8,85972	1309944534	9003df7a-9951-4657-a6d0-e2a9e24	http://grbio.org/cool/i
Mondemba t	5,06911	8,85972	1309944533	7122cea3-b6ea-4fbe-8ca5-3c3325b	http://grbio.org/cool/i
Mondemba t	5,06911	8,85972	1309944531	5d6da343-3bd7-4162-9894-df23c2	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944481	9731e0b9-98f2-43d7-8f72-5fa5395	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944459	a7b81d7c-d7c2-4a8b-84be-f734bb3	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944444	40002b79-9abc-4190-85f2-45ef1f7	http://grbio.org/cool/i
Nyasaso Vil	4,81755	9,67952	1249225930	4873eb10-7af3-40d5-8369-d971b9	http://grbio.org/cool/(
Nyasaso Vil	4,81755	9,67952	1249225927	436d4a07-1982-48e5-b890-23fb88	http://grbio.org/cool/(
Nyasaso Vil	4,81755	9,67952	1249225921	57525933-db77-4b03-90cf-c19f03	http://grbio.org/cool/(
Nyasaso Vil	4,81755	9,67952	1249225920	8f51139a-3eb2-40fd-af61-7ee39ae8	http://grbio.org/cool/(
Nyasaso Vil	4,81755	9,67952	1249225918	62db846f-2cdf-4d5a-a122-2b708c1	http://grbio.org/cool/(
Manjo Towr	4,84778	9,81967	1249225914	28691d8b-42aa-4820-8207-f96cb5	http://grbio.org/cool/(
Nyasaso Vil	4,81755	9,67952	1249225911	8ffe0efa-13c0-423c-be90-6e6f5d70	http://grbio.org/cool/(
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Nyasaso Vil	4,81755	9,67952	1249225906	6bc5a00d-f66b-4d1c-8ae0-1bbe5ee	http://grbio.org/cool/(
Nyasaso Vil	4,81755	9,67952	1249225902	3434ea42-4197-4410-883d-0995fa	http://grbio.org/cool/(
Nyasaso Vil	4,81755	9,67952	1249225891	e0bb3691-05b9-49b1-960f-ef555e(	http://grbio.org/cool/(
Junkville, 0(	-0,06216	11,1587	1211002553	urn:catalog:CAS:HERP:258120	CAS
Stream soutl	5,35679	8,43212	1145566327	http://arctos.database.museum/gui	MVZ
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Stream soutl	5,35679	8,43212	1145566297	http://arctos.database.museum/gui	MVZ
Balegete and	6,42517	9,36238	1145566289	http://arctos.database.museum/gui	MVZ
Stream soutl	5,35679	8,43212	1145566283	http://arctos.database.museum/gui	MVZ
Manjo, Man	4,856017	9,747961	1062024772	urn:catalog:CAS:HERP:256879	CAS
Manjo, Man	4,856017	9,747961	1062024761	urn:catalog:CAS:HERP:256878	CAS
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Manjo, Man	4,856017	9,747961	1062024758	urn:catalog:CAS:HERP:256876	CAS
Manjo, Man	4,856017	9,747961	1062024754	urn:catalog:CAS:HERP:256881	CAS
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Manjo, Man	4,856017	9,747961	1062024735	urn:catalog:CAS:HERP:256808	CAS
Manjo, Man	4,856017	9,747961	1062024721	urn:catalog:CAS:HERP:256877	CAS
Manjo, Man	4,855081	9,818769	1062024714	urn:catalog:CAS:HERP:256823	CAS
Manjo, Man	4,856017	9,747961	1062024664	urn:catalog:CAS:HERP:256806	CAS
Manjo, Man	4,856017	9,747961	1062024628	urn:catalog:CAS:HERP:256807	CAS
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Manjo, Man	4,856017	9,747961	1062024565	urn:catalog:CAS:HERP:256718	CAS
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Manjo, Man	4,814753	9,769144	1062024550	urn:catalog:CAS:HERP:256681	CAS

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Ekenzu, 4 5(	4,94781	9,69563	890184508	urn:catalog:CAS:HERP:254098	CAS
Manjo Area,	4,84975	9,77183	890184312	urn:catalog:CAS:HERP:254050	CAS
Manjo Area,	4,84975	9,77183	890184034	urn:catalog:CAS:HERP:254045	CAS
Edib Village	4,9606	9,6686	890183599	urn:catalog:CAS:HERP:254131	CAS
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Manjo Area,	4,84975	9,77183	890183562	urn:catalog:CAS:HERP:254052	CAS
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Manjo Area,	4,84975	9,77183	890183539	urn:catalog:CAS:HERP:254044	CAS
Manjo Area,	4,84975	9,77183	890183533	urn:catalog:CAS:HERP:254042	CAS
Manjo Area,	4,84975	9,77183	890183527	urn:catalog:CAS:HERP:254043	CAS
Manjo Area,	4,84975	9,77183	890183515	urn:catalog:CAS:HERP:254047	CAS
Manjo Area,	4,84975	9,77183	890183507	urn:catalog:CAS:HERP:254048	CAS
Manjo Area,	4,84975	9,77183	890183503	urn:catalog:CAS:HERP:254049	CAS
Manjo Area,	4,84975	9,77183	890183502	urn:catalog:CAS:HERP:254046	CAS
Manjo Area,	4,84975	9,77183	890183434	urn:catalog:CAS:HERP:253968	CAS
Manengouba	4,959439	9,865061	890183316	urn:catalog:CAS:HERP:253837	CAS
Manengouba	4,959439	9,865061	890183305	urn:catalog:CAS:HERP:253836	CAS
Manengouba	4,959439	9,865061	890183244	urn:catalog:CAS:HERP:253839	CAS
Manengouba	4,959439	9,865061	890183228	urn:catalog:CAS:HERP:253838	CAS
Ekenzu, 4 5(	4,94781	9,69563	890183169	urn:catalog:CAS:HERP:254100	CAS
Ekenzu, 4 5(	4,94781	9,69563	890183149	urn:catalog:CAS:HERP:254099	CAS
Sanaga Rive	4,604167	12,204517	543607798	urn:catalog:CAS:HERP:249984	CAS
Sanaga Rive	4,604167	12,204517	543607797	urn:catalog:CAS:HERP:249983	CAS
Sanaga Rive	4,604167	12,204517	543607796	urn:catalog:CAS:HERP:249982	CAS
Sanaga Rive	4,604167	12,204517	543607795	urn:catalog:CAS:HERP:249981	CAS
Sanaga Rive	4,604167	12,204517	543607789	urn:catalog:CAS:HERP:249976	CAS
	4,95	9,85	1830947508	http://id.smns-bw.org/smns/collection/21285/464681/41	
Monts de Cı	0,62325	10,40275	476771071	MCZ:Herp:A-139814	b4640710-8e03-11d8·
Monts de Cı	0,45358	10,27809	476769497	MCZ:Herp:A-139665	b4640710-8e03-11d8·
Monts de Cı	0,45358	10,27809	476769397	MCZ:Herp:A-139664	b4640710-8e03-11d8·
Monts de Cı	0,45358	10,27809	476769396	MCZ:Herp:A-139662	b4640710-8e03-11d8·
Monts de Cı	0,46485	10,27895	476768604	MCZ:Herp:A-139713	b4640710-8e03-11d8·
	6,354922	-0,353322	3005136948	66609785	
	6,624581	-3,065186	2862541302	59028656	
	6,354922	-0,353322	2862366289	59028595	
	5,840755	-7,222927	2818498557	52479974	
Koda	8,85	2,283333	2465039808	2019_AN_0712	
Agbassa	8,800324	2,254953	2465039068	2019_AN_0101	
Zuawolota, I	7,05624	-10,31022	2147657411	http://arctos.database.museum/gui	UWBM
	5,556333	-1,540822	1901091433	9621622	
	6,955227	0,5853	1901091330	9395904	
	6,231144	-0,554689	1899782708	15931329	
	7,387965	-11,237412	1847635808	6746014	

Eastern Regi	6,12799	-0,6289	1303200031	http://arctos.database.museum/gui	UWBM
Western Reg	5,216024	-2,651485	1303200029	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303200008	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303200003	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303200002	http://arctos.database.museum/gui	UWBM
Western Reg	5,216024	-2,651485	1303199992	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199991	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303199990	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199989	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199984	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199981	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199979	http://arctos.database.museum/gui	UWBM
Western Reg	5,2904	-2,63809	1303199978	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303199974	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199962	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199955	http://arctos.database.museum/gui	UWBM
Western Reg	5,216024	-2,651485	1303199952	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303199947	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199942	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199913	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199877	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416485	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416466	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416461	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,82944	-1,73146	1146416457	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68701	-1,34414	1146416452	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416449	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416442	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416439	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,82944	-1,73146	1146416438	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416432	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,82944	-1,73146	1146416420	http://arctos.database.museum/gui	UWBM
Ankasa Nati	5,29004	-2,63957	1145558003	http://arctos.database.museum/gui	MVZ
Forest de La	6,96026	2,1683	1135645546	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
SRET Static	5,83333	-7,35	1830947335	http://id.smns-bw.org/smns/collection/20337/463733/42	
Felsbach am	5,41667	-7,16667	1830947334	http://id.smns-bw.org/smns/collection/20338/463734/42	
SRET Static	5,83333	-7,35	1830947319	http://id.smns-bw.org/smns/collection/20330/463726/41	
Monts de Cı	0,45358	10,27809	476792939	MCZ:Herp:A-139663	b4640710-8e03-11d8
Lama(F.C)	6,9166	2,1666	1042789020	8651	
ForÃªt de Lc	7,0833	2,1	1042789008	8650	
RB Pendjari	10,9333	1,1166	1042788996	8649	
Banco Natio	5,38507	-4,0512	1830948729	http://id.smns-bw.org/smns/collection/23322/466718/41	
Banco Natio	5,38507	-4,0512	1830948590	http://id.smns-bw.org/smns/collection/23323/466719/41	
Gamba, 85 k	-3,24133	10,5808	3028128493	http://n2t.net/ark:/65665/3ccc677c	http://grbio.org/cool/
Gamba, 83 k	-3,25336	10,5527	3028120930	http://n2t.net/ark:/65665/3be8832	http://grbio.org/cool/

Gamba, 85 k	-3,23858	10,5921	3028040137	http://n2t.net/ark:/65665/3fd26e3(	http://grbio.org/cool/1
Gamba, 83 k	-3,25336	10,5527	3028037708	http://n2t.net/ark:/65665/3d67998	http://grbio.org/cool/1
Gamba, 85 k	-3,23858	10,5921	3027999527	http://n2t.net/ark:/65665/3769a95	http://grbio.org/cool/1
Gamba, 85 k	-3,24133	10,5808	3027960729	http://n2t.net/ark:/65665/30c234b	http://grbio.org/cool/1
	-2,262361	12,921583	2813958499	51214637	
Bioko Islanc	3,69589	8,87111	2426900774	http://n2t.net/ark:/65665/3cfa7678	http://biocol.org/urn:l
Bioko Islanc	3,69589	8,87111	2426885345	http://n2t.net/ark:/65665/356a582	http://biocol.org/urn:l
Bioko Islanc	3,69589	8,87111	2426828023	http://n2t.net/ark:/65665/3178076	http://biocol.org/urn:l
Gabon:Nyan	-3,24	10,58	2310863203	KY079732	
Gabon:Nyan	-3,25	10,55	2309787794	KY079733	
Gabon:Nyan	-3,24	10,59	2309636578	KY079734	
Gabon:Nyan	-3,24	10,58	2309409556	KY080257	
Gabon:Nyan	-3,25	10,55	2309071901	KY080258	
Gabon:Nyan	-3,24	10,59	2308097388	KY080259	
Hormigas C	3,32957	8,47962	1852461280	4e1ff5c6-5381-11e6-9649-a4a3446	http://grbio.org/cool/
	4,709446	9,750943	1847411154	1040760	
Gamba, 83 k	-3,25336	10,5527	1322055665	http://n2t.net/ark:/65665/3d6b673	http://biocol.org/urn:l
Gamba, 85 k	-3,23858	10,5921	1318961098	http://n2t.net/ark:/65665/34dc91c	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1317793361	http://n2t.net/ark:/65665/31a1f40c	http://biocol.org/urn:l
Gamba, 85 k	-3,24133	10,5808	1317389627	http://n2t.net/ark:/65665/30845bb	http://biocol.org/urn:l
00 11 18.45(	-0,18846	10,77972	1211002555	urn:catalog:CAS:HERP:258098	CAS
WCS statior	5,337367	9,4739	1145546468	http://arctos.database.museum/gui	MVZ
WCS statior	5,337367	9,4739	1145546376	http://arctos.database.museum/gui	MVZ
Asoc village	1,5717	10,3883	1039477436	urn:uuid:b5c1be3c-62a3-49b3-af56-	af0d9ffcc72f
Mekas, Dja I	3,173331	12,52715	890182856	urn:catalog:CAS:HERP:253496	CAS
Pico Basile I	3,695889	8,871111	543560966	urn:catalog:CAS:HERP:207834	CAS
Pico Basile I	3,695889	8,871111	543560965	urn:catalog:CAS:HERP:207833	CAS
Pico Basile I	3,695889	8,871111	543560964	urn:catalog:CAS:HERP:207832	CAS
Minkebe Nat	1,154444	12,699167	1839364914	MCZ:Herp:A-149202	b4640710-8e03-11d8·
Korup Natio	5,05	8,8333	1057276550	3348924	
Cameroon: S	4,95	8,867	476612605	MCZ:Herp:A-101160	b4640710-8e03-11d8·
Cameroon: S	4,95	8,867	476612604	MCZ:Herp:A-101158	b4640710-8e03-11d8·
Cameroon: S	4,95	8,867	476612603	MCZ:Herp:A-101157	b4640710-8e03-11d8·
Cameroon: S	4,95	8,867	476612505	MCZ:Herp:A-101156	b4640710-8e03-11d8·
Cameroon: S	4,95	8,867	476485156	MCZ:Herp:A-101159	b4640710-8e03-11d8·
Ossele villag	-1,855278	13,854167	1839364916	MCZ:Herp:A-149203	b4640710-8e03-11d8·
Fopouanga,	5,008	10,1789	1145546484	http://arctos.database.museum/gui	MVZ
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	4,270355	10,338483	2626257397	46183473	
	4,735201	9,810791	2626150301	100345	
Nguengue	4,9172	9,9892	1322225750	http://n2t.net/ark:/65665/3de3615	http://biocol.org/urn:l
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Nguengue	4,9172	9,9892	1320729868	http://n2t.net/ark:/65665/39c0b75	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1319559139	http://n2t.net/ark:/65665/3683d5f	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1319292726	http://n2t.net/ark:/65665/35c79ef4	http://biocol.org/urn:l

Basukwambı	0,5593	25,94445	2579617654	aa6252605537905bbdd7b693df8b75e58b5e0d9b	
Ramba Villa	-0,363611	11,787222	1839349382	MCZ:Cryo:2329	b4640710-8e03-11d8·
Monts de Cı	0,44959	10,27583	476769084	MCZ:Herp:A-139634	b4640710-8e03-11d8·
Akom 2	2,744444	10,530556	476588966	MCZ:Herp:A-138204	b4640710-8e03-11d8·
Ivindo Natio	0,51121	12,80278	476558801	MCZ:Herp:A-139801	b4640710-8e03-11d8·
Ivindo Natio	0,51121	12,80278	476557228	MCZ:Herp:A-139802	b4640710-8e03-11d8·
Ivindo Natio	0,51624	12,79457	476553284	MCZ:Herp:A-139758	b4640710-8e03-11d8·
Bidjouka	3,143056	10,4775	476480144	MCZ:Herp:A-138144	b4640710-8e03-11d8·
Lama(F.C)	6,9166	2,1666	1042789075	8654	
ForÃªt de Lo	7,0833	2,1	1042789055	8653	
RB Pendjari	10,9333	1,1166	1042789036	8652	
Ogooue Rivı	-1,16282	11,81675	1839291922	f02c01bd-6a3a-411e-926e-d1e69d55b478	
Ogooue Rivı	-1,16282	11,81675	1839291517	7082bc1d-b8b1-44d7-b079-7780d0bda200	
	4,259399	10,382428	2626503171	46183474	
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vicinity of M	5,119211	8,859789	1324205130	urn:catalog:CAS:HERP:260169	CAS
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vicinity of M	5,119211	8,859789	1324205060	urn:catalog:CAS:HERP:260171	CAS
Korup Natio	5,1	8,78	1322606145	http://n2t.net/ark:/65665/3ef05e77	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1320856987	http://n2t.net/ark:/65665/3a1a680(	http://biocol.org/urn:l
Korup Natio	5,07	8,87	1318425843	http://n2t.net/ark:/65665/3361c79l	http://biocol.org/urn:l
Mundemba t	5,06921	8,85979	1309944496	accd2161-ff6d-4d94-be71-bb36fa1!	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944483	d48976ef-627a-4441-ab49-bf0b7d1	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944482	037a30fe-753a-49a9-abf8-0fae77b(	http://grbio.org/cool/i
Mundemba t	5,06921	8,85979	1309944480	7ce2c0ee-ed37-4217-9c59-fd9a863	http://grbio.org/cool/i
Manjo, Man	4,855081	9,818769	1062024706	urn:catalog:CAS:HERP:256829	CAS
	1,129846	11,266032	1039484807	urn:uuid:ea76124e-ca1a-4011-abe4-156ce440bb95	
Small Koto,	4,32676	9,06609	890183167	urn:catalog:CAS:HERP:253794	CAS
	4,98333	9,8	1830949103	http://id.smns-bw.org/smns/collection/21286/464682/42	
E of Ntale V	5,331392	9,65812	476578337	MCZ:Herp:A-136789	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578336	MCZ:Herp:A-136788	b4640710-8e03-11d8·
	7,655616	-10,738718	1990599155	19902932	
Peninsula M	8,419	-13,204	1291014738	http://arctos.database.museum/gui	MVZ
Stream at bri	8,477833	-13,224667	1291014721	http://arctos.database.museum/gui	MVZ
Peninsula M	8,419	-13,204	1291014718	http://arctos.database.museum/gui	MVZ
Peninsula M	8,419	-13,204	1291014716	http://arctos.database.museum/gui	MVZ
Peninsula M	8,419	-13,204	1291014714	http://arctos.database.museum/gui	MVZ
Sapo Nation	5,5	-9,5	1211735673	URI:catalog:ROM:Reptiles and Amphibians:19866	
Sapo Nation	5,5	-9,5	1211735654	URI:catalog:ROM:Reptiles and Amphibians:19864	
Sapo Nation	5,5	-9,5	1211735633	URI:catalog:ROM:Reptiles and Amphibians:19865	
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Peninsula M	8,419	-13,204	543585656	urn:catalog:CAS:HERP:230054	CAS
Peninsula M	8,419	-13,204	543585655	urn:catalog:CAS:HERP:230053	CAS
Peninsula M	8,419	-13,204	543585654	urn:catalog:CAS:HERP:230052	CAS
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Peninsula M	8,419	-13,204	543585650	urn:catalog:CAS:HERP:230049	CAS
Peninsula M	8,419	-13,204	543585649	urn:catalog:CAS:HERP:230048	CAS
Peninsula M	8,419	-13,204	543585648	urn:catalog:CAS:HERP:230047	CAS
Ewah stream	7,578056	-8,611111	1265267316	ddd025cc-0551-485e-8135-0924d3	urn:lsid:biocol.org:co
Cold water s	7,546389	-8,541111	1265267195	c53ceebb-7b35-4c82-8a00-d51a54(	urn:lsid:biocol.org:co
Small strean	7,455556	-8,662222	1265267192	cf477a1b-4386-46f1-b973-057114	urn:lsid:biocol.org:co
Coldwater st	7,412583	-8,590611	1265266482	5c24bf4c-2372-462e-8a62-e051f44	urn:lsid:biocol.org:co
Yiti upstrear	7,510278	-8,749167	1265257204	1754374d-d1b7-45de-8d8b-8bc93	urn:lsid:biocol.org:co
Site 1	8,559	-8,881	197168972	197168972	
Gola Nationa	7,453	-10,692	197168958	197168958	
Site 2	8,515	-8,943	197168836	197168836	
Site 2	8,556	-8,937	197168299	197168299	
Site 1	8,531	-8,906	197167763	197167763	
Peninsula M	8,419	-13,204	1291014740	http://arctos.database.museum/gui	MVZ
Route miniÂ	10,80919	-14,19867	1949968044	MDGBIF_16	
	4,301529	9,273777	2563428041	101278	
Ivindo Natio	0,51624	12,7946	2549485309	http://n2t.net/ark:/65665/3434f41	http://biocol.org/urn:l
Ivindo Natio	0,50367	12,7941	2549478064	http://n2t.net/ark:/65665/31f4f5c2	http://biocol.org/urn:l
Ivindo Natio	0,51624	12,79457	1852457996	4ded2ec1-5381-11e6-9649-a4a344(	http://grbio.org/cool/
Ivindo Natio	0,50367	12,79407	1852454527	4dc48db5-5381-11e6-9649-a4a344	http://grbio.org/cool/
Ogooue Rive	-1,16641	11,81552	1845058627	f9916083-f800-478d-ad3b-cd2d8e49b2ec	
Ogooue Rive	-1,16641	11,81552	1845058617	f6161a42-4514-42a3-9bd1-3133c11f7f78	
Ogooue Rive	-1,16641	11,81552	1845058502	4ce0d5e2-5b0e-418d-b53b-4fd69d7bceb8	
Nsana/Ntem	2,27	11,23	1321942600	http://n2t.net/ark:/65665/3d1b088	http://biocol.org/urn:l
Nsana/Ntem	2,27	11,23	1321581796	http://n2t.net/ark:/65665/3c1aa1ba	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1321052074	http://n2t.net/ark:/65665/3aa40cc6	http://biocol.org/urn:l
Nnemeyong/	2,45	10,47	1318716827	http://n2t.net/ark:/65665/342fa77f	http://biocol.org/urn:l
Nsana/Ntem	2,27	11,23	1317366312	http://n2t.net/ark:/65665/3073bfb(	http://biocol.org/urn:l
02 07 28.12	-2,12448	13,63506	1211002676	urn:catalog:CAS:HERP:258235	CAS
Bioko Islanc	3,453017	8,506833	1147032758	02f45b18-dd34-4d5c-b228-25c766	urn:lsid:biocol.org:co
Stream soutl	5,35679	8,43212	1145566285	http://arctos.database.museum/gui	MVZ
	4,043501	9,257054	2397037545	100281	

Ekomtolo	4,88	9,98	1322729527	http://n2t.net/ark:/65665/3f482db(	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1321285262	http://n2t.net/ark:/65665/3b48f97	http://biocol.org/urn:l
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Ekomtolo	4,83	9,93	1319933362	http://n2t.net/ark:/65665/378ce00	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1319317977	http://n2t.net/ark:/65665/35d95e0	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1319036953	http://n2t.net/ark:/65665/35121ae(	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1318069913	http://n2t.net/ark:/65665/3265a58	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1317894925	http://n2t.net/ark:/65665/31ea02f8	http://biocol.org/urn:l
Manjo, Man	4,850003	9,767336	1062024765	urn:catalog:CAS:HERP:256889	CAS
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Manjo, Man	4,850003	9,767336	1062024722	urn:catalog:CAS:HERP:256888	CAS
Mamfe-Bam	5,858411	9,761086	543499589	urn:catalog:CAS:HERP:152595	CAS
near Etome,	4,058333	9,125	476803409	MCZ:Herp:A-136742	b4640710-8e03-11d8·
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near Etome,	4,058333	9,125	476576108	MCZ:Herp:A-136743	b4640710-8e03-11d8·
Forest above	4,991	9,979	1899932254	14002d8d-b99a-4d1b-b933-560c8(	http://grbio.org/cool/
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	4,828333	9,681944	3026133375	https://darwin.naturalsciences.be/u	https://www.wikidata
	4,828334	9,681945	3025754879	https://darwin.naturalsciences.be/u	https://www.wikidata
	4,332516	10,332165	2814166531	46183457	
Bakossi Mo	5,12	9,72	1322156202	http://n2t.net/ark:/65665/3db26bc	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1318377220	http://n2t.net/ark:/65665/333f580	http://biocol.org/urn:l
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	4,828334	9,681945	3025987671	https://darwin.naturalsciences.be/u	https://www.wikidata
	4,828333	9,681944	3025596441	https://darwin.naturalsciences.be/u	https://www.wikidata
	4,828333	9,681944	3025558802	https://darwin.naturalsciences.be/u	https://www.wikidata
Ogooue Riv	-2,11889	12,1293	1845058614	ee67dab7-e9f2-4fdf-b3d0-786f346889f2	
Ogooue Riv	-1,17434	11,81792	1845058605	db9cfcbb-3456-4429-aad0-80459081ff0d	
Congo Rive	-2,10339	12,13954	1845058518	675517bc-f92e-40dd-a0ee-b86082435c72	
Congo Rive	-2,10339	12,13954	1845058478	25fc4cc7-779a-48e3-b280-6da1dcc5255f	
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Nguengue	4,9172	9,9892	1322438333	http://n2t.net/ark:/65665/3e7a1bb	http://biocol.org/urn:l
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Monts de C	0,44959	10,27583	476769085	MCZ:Herp:A-139636	b4640710-8e03-11d8·
Monts de C	0,44959	10,27583	476769083	MCZ:Herp:A-139635	b4640710-8e03-11d8·
Monts de C	0,62563	10,39653	476767496	MCZ:Herp:A-139816	b4640710-8e03-11d8·
Bibindi / Lo	3,08	10,4	1320746662	http://n2t.net/ark:/65665/39cc642	http://biocol.org/urn:l
Bibindi / Lo	3,08	10,4	1320544499	http://n2t.net/ark:/65665/393d505	http://biocol.org/urn:l
Njabelobe /	2,78	10,62	1318794263	http://n2t.net/ark:/65665/34667bc	http://biocol.org/urn:l
Bipindi	3,068056	10,413667	543500834	urn:catalog:CAS:HERP:153715	CAS
Monts de C	0,45358	10,27809	476769607	MCZ:Herp:A-139669	b4640710-8e03-11d8·
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Monts de C	0,45358	10,27809	476769605	MCZ:Herp:A-139668	b4640710-8e03-11d8·

Monts de Cı	0,45358	10,27809	476769604	MCZ:Herp:A-139667	b4640710-8e03-11d8·
Monts de Cı	0,45358	10,27809	476769603	MCZ:Herp:A-139666	b4640710-8e03-11d8·
Monts de Cı	0,45358	10,27809	476768705	MCZ:Herp:A-139672	b4640710-8e03-11d8·
Monts de Cı	0,45358	10,27809	476768700	MCZ:Herp:A-139671	b4640710-8e03-11d8·
Monts de Cı	0,45358	10,27809	476768614	MCZ:Herp:A-139675	b4640710-8e03-11d8·
Monts de Cı	0,45358	10,27809	476768613	MCZ:Herp:A-139674	b4640710-8e03-11d8·
Monts de Cı	0,46485	10,27895	476768597	MCZ:Herp:A-139715	b4640710-8e03-11d8·
Monts de Cı	0,46485	10,27895	476768401	MCZ:Herp:A-139714	b4640710-8e03-11d8·
Bibondi, Ng	3,308333	10,641667	476579920	MCZ:Herp:A-136942	b4640710-8e03-11d8·
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Monts de Cı	0,45358	10,27809	476509728	MCZ:Herp:A-139673	b4640710-8e03-11d8·
Bibondi, Ng	3,308333	10,641667	476479427	MCZ:Herp:A-136943	b4640710-8e03-11d8·
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Ekomtolo	4,83	9,93	1319320562	http://n2t.net/ark:/65665/35db834	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1318937932	http://n2t.net/ark:/65665/34cbff90	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1317809186	http://n2t.net/ark:/65665/31ad1e6	http://biocol.org/urn:l
Obudu Cattl	6,42517	9,36238	1145566352	http://arctos.database.museum/gui	MVZ
Obudu Cattl	6,42517	9,36238	1145566349	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566321	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566319	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566318	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566311	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566299	http://arctos.database.museum/gui	MVZ
Kwano, Gas	7,329972	11,585	476772161	MCZ:Herp:A-139538	b4640710-8e03-11d8·
Kwano, Gas	7,329972	11,585	476772160	MCZ:Herp:A-139541	b4640710-8e03-11d8·
Kwano, Gas	7,329972	11,585	476772061	MCZ:Herp:A-139540	b4640710-8e03-11d8·
Kwano, Gas	7,329972	11,585	476508307	MCZ:Herp:A-139539	b4640710-8e03-11d8·
Lake Edib	4,95	9,67	1321719037	http://n2t.net/ark:/65665/3c7c1e58	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1320063431	http://n2t.net/ark:/65665/37e89b4	http://biocol.org/urn:l
Mundemba t	5,06921	8,85979	1309944476	b585e7c4-8124-45e4-91c4-2f73c6(	http://grbio.org/cool/i
	4,96667	9,86667	1830949975	http://id.smns-bw.org/smns/collection/21292/464688/42	
	4,96667	9,86667	1830949960	http://id.smns-bw.org/smns/collection/21293/464689/42	
Esipa	5,03333	10,5	1830949897	http://id.smns-bw.org/smns/collection/21290/464686/42	
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Ebonemin	5	9,73333	1830949865	http://id.smns-bw.org/smns/collection/21288/464684/42	
Esipa	5,03333	10,5	1830949855	http://id.smns-bw.org/smns/collection/21289/464685/42	
Ebonemin	5	9,73333	1830949849	http://id.smns-bw.org/smns/collection/21287/464683/42	
Nsoung [VE	4,983333	9,813333	476578258	MCZ:Herp:A-138024	b4640710-8e03-11d8·
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E of Ntale V	5,258333	9,608333	476578437	MCZ:Herp:A-136797	b4640710-8e03-11d8·
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Eastern Regi	6,24246	-0,5571	1146416571	http://arctos.database.museum/gui	UWBM

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Grebo Natio	5,405	-7,716	197170471	197170471	
Cavally	6,174	-7,788	197170399	197170399	
Haute Dodo	4,9	-7,316	197170398	197170398	
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Gamba, SW	-2,74344	9,99389	3028099624	http://n2t.net/ark:/65665/377d6f7	http://grbio.org/cool/
SahouÃ©, c	0,60303	9,33728	3028091113	http://n2t.net/ark:/65665/36dcab6	http://grbio.org/cool/
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Bidjouka ne	3,077933	10,414333	1656644403	urn:catalog:CAS:HERP:261274	CAS
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Korup Natio	5,1333	8,8333	1056503901	3348954	
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Kessala Villa	-1,89084	13,8985	1935014461	6b282ae6-267b-4956-b28a-75c0fcf87d66	
Kessala Villa	-1,86743	13,90187	1935014420	1dfe9c06-81a2-414a-aa6d-1e1f5bd0b0ce	
Kessala Villa	-1,86743	13,90187	1935014408	09277623-6619-4b2c-8cd0-eb3cb7cd732c	
Congo River	-2,08275	12,1361	1845058616	eda0f730-ac67-4c7c-99d6-9406c6238497	
Congo River	-2,10339	12,13954	1845058609	de3c965b-e99a-4467-9623-f552ca4a7419	
Ogooue Rive	-2,08222	12,12813	1845058585	ca946cde-cb61-42c2-9519-843f5b5d342a	
Ogooue Rive	-1,15993	11,81919	1845058542	9b36b61f-d2ff-41ef-aed7-cab0aa5fcd9b	
Ogooue Rive	-1,17436	11,82401	1845058522	6dc82401-f906-4ebe-bf4d-08a63907836e	
Ossele villag	-1,855278	13,854167	1839364918	MCZ:Herp:A-149204	b4640710-8e03-11d8
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Gamba, 87 k	-3,23325	10,6189	1321326827	http://n2t.net/ark:/65665/3b6690b	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1320680853	http://n2t.net/ark:/65665/399e1ab(	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1320388666	http://n2t.net/ark:/65665/38cf0b9{	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1320190601	http://n2t.net/ark:/65665/3842b14	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1320114963	http://n2t.net/ark:/65665/380ce6a7	http://biocol.org/urn:l
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Kissiki field	-2,7895	13,5015	1319475183	http://n2t.net/ark:/65665/36488bc	http://biocol.org/urn:l
Yingui/Mak(	4,6	10,27	1318702326	http://n2t.net/ark:/65665/3425559	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1318148451	http://n2t.net/ark:/65665/329d45e:	http://biocol.org/urn:l
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Nguengue	4,9172	9,9892	1317796257	http://n2t.net/ark:/65665/31a4041(	http://biocol.org/urn:l
Loungou fiel	-2,49067	13,7183	1317634852	http://n2t.net/ark:/65665/3132199	http://biocol.org/urn:l
MitonÃ©	-0,64073	10,21873	1249234455	urn:catalog:OMNH:OCGR:13728	
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ca 3.6 km N	3,483028	8,582	543560908	urn:catalog:CAS:HERP:207782	CAS
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ca 3.6 km N	3,483028	8,582	543560904	urn:catalog:CAS:HERP:207779	CAS
Dja Reserve,	3,190556	12,811667	543551491	urn:catalog:CAS:HERP:199307	CAS
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Dja Reserve,	3,190556	12,811667	543551489	urn:catalog:CAS:HERP:199305	CAS

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Dja Reserve,	3,190556	12,811667	543551487	urn:catalog:CAS:HERP:199303	CAS
Ivindo Natio	0,50367	12,79407	476766852	MCZ:Herp:A-139728	b4640710-8e03-11d8·
Ekoneman A	5,625	9,925	476585868	MCZ:Herp:A-136839	b4640710-8e03-11d8·
East of Cam	2,341667	10,175	476580026	MCZ:Herp:A-136945	b4640710-8e03-11d8·
East of Cam	2,341667	10,175	476579921	MCZ:Herp:A-136944	b4640710-8e03-11d8·
Nkalakie Vil	3,966389	11,3775	476578484	MCZ:Herp:A-138143	b4640710-8e03-11d8·
E of Ntale V	5,258333	9,608333	476578439	MCZ:Herp:A-136800	b4640710-8e03-11d8·
Nkalakie Vil	3,966389	11,3775	476577886	MCZ:Herp:A-138142	b4640710-8e03-11d8·
Efolofo, N s	4,358333	9,091667	476577850	MCZ:Herp:A-136757	b4640710-8e03-11d8·
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Obang, fores	6,228333	10,0875	476577254	MCZ:Herp:A-138103	b4640710-8e03-11d8·
E of Samake	3,816667	10,116667	476575903	MCZ:Herp:A-136731	b4640710-8e03-11d8·
Veloqua, Gb	7,0793	-10,68099	2147657408	http://arctos.database.museum/gui	UWBM
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Molakole, G	7,18911	-10,15109	2147657082	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303200127	http://arctos.database.museum/gui	UWBM
Western Reg	5,2904	-2,63809	1303200102	http://arctos.database.museum/gui	UWBM
Western Reg	5,27267	-2,64478	1303200077	http://arctos.database.museum/gui	UWBM
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Sapo Nation	5,5	-9,5	1211767558	URI:catalog:ROM:Reptiles and Amphibians:43607	
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Ankasa Nati	5,28434	-2,64861	1145558122	http://arctos.database.museum/gui MVZ
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River (Gbz),	5,3	-7,5	1830950540	http://id.smns-bw.org/smns/collection/26553/469949/41
Site 2	8,515	-8,943	197170796	197170796
North Lorma	8,032	-9,736	197170755	197170755
Gola Nationa	7,455	-10,694	197170754	197170754
North Lorma	8,029	-9,735	197170753	197170753
North Lorma	8,04	-9,729	197170752	197170752
North Lorma	8,034	-9,736	197170751	197170751
North Lorma	8,034	-9,733	197170750	197170750
North Lorma	8,024	-9,74	197170749	197170749
Grebo Natio	5,405	-7,73	197170748	197170748
North Lorma	8,029	-9,735	197170747	197170747
Krokosua Hi	6,617	-2,85	197170694	197170694
Draw River	5,2	-2,4	197170685	197170685
Boi-Tano/Ta	5,533	-2,617	197170675	197170675
Cavally	6,174	-7,788	197170628	197170628
Haute Dodo	4,9	-7,316	197170621	197170621
North Lorma	8,034	-9,736	197170757	197170757
North Lorma	8,024	-9,74	197170756	197170756
Draw River	5,2	-2,4	197170687	197170687
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Grebo Natio	5,406	-7,735	197170758	197170758
Mugegema V	-3,06184	28,77858	2234844727	http://arctos.database.museum/gui UTEP
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Mugegema V	-3,06184	28,77858	2234842399	http://arctos.database.museum/gui	UTEP
Ogooue Riv	-2,11889	12,1293	1845058570	b389301c-4d82-4cbc-b40b-9042a28f4a55	
Kissiki field	-2,78983	13,5343	3028103224	http://n2t.net/ark:/65665/3aec5bdc	http://grbio.org/cool/
Kissiki field	-2,78983	13,5343	3028062529	http://n2t.net/ark:/65665/322a246	http://grbio.org/cool/
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Zone of Mar	1,397778	28,57	543547935	urn:catalog:CAS:HERP:196106	CAS
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Mt. Oku, ne	6,192222	10,522222	476793229	MCZ:Herp:A-138130	b4640710-8e03-11d8
Mt. Oku, ne	6,192222	10,522222	476793228	MCZ:Herp:A-138127	b4640710-8e03-11d8
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Bioko Islanc	3,3305	8,66669	2426943806	http://n2t.net/ark:/65665/3cf6cb7d	http://biocol.org/urn:l
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Bioko Islanc	3,3305	8,66669	2426939817	http://n2t.net/ark:/65665/3de5112	http://biocol.org/urn:l
Bioko Islanc	3,32492	8,67114	2426936558	http://n2t.net/ark:/65665/3873e54	http://biocol.org/urn:l
Bioko Islanc	3,48303	8,582	2426935418	http://n2t.net/ark:/65665/34f648cb	http://biocol.org/urn:l
Bioko Islanc	3,3305	8,66669	2426927803	http://n2t.net/ark:/65665/3da00aec	http://biocol.org/urn:l
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Bioko Islanc	3,48303	8,582	2426917627	http://n2t.net/ark:/65665/3959b69	http://biocol.org/urn:l
Bioko Islanc	3,3305	8,66669	2426914455	http://n2t.net/ark:/65665/35b81d0	http://biocol.org/urn:l
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Bioko Islanc	3,32492	8,67114	2426898549	http://n2t.net/ark:/65665/3a73e051	http://biocol.org/urn:l
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Bioko Islanc	3,32492	8,67114	2426888315	http://n2t.net/ark:/65665/34c29fc1	http://biocol.org/urn:l
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Bioko Islanc	3,3305	8,66669	2426875326	http://n2t.net/ark:/65665/351047fb	http://biocol.org/urn:l

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below Mt. B	5,681228	10,215158	476579365	MCZ:Herp:A-136904	b4640710-8e03-11d8·
Mt. Bambou	5,658333	10,125	476579252	MCZ:Herp:A-136892	b4640710-8e03-11d8·
Mt. Bambou	5,658333	10,125	476579146	MCZ:Herp:A-136891	b4640710-8e03-11d8·
Lake Awing	5,863056	10,198889	476578072	MCZ:Herp:A-138081	b4640710-8e03-11d8·
Lake Awing	5,863056	10,198889	476578071	MCZ:Herp:A-138080	b4640710-8e03-11d8·
Lake Awing	5,863056	10,198889	476578070	MCZ:Herp:A-138079	b4640710-8e03-11d8·
Lake Awing	5,863056	10,198889	476578069	MCZ:Herp:A-138077	b4640710-8e03-11d8·
Bamboutos s	5,661389	10,126944	476577978	MCZ:Herp:A-138076	b4640710-8e03-11d8·
Bamboutos s	5,668611	10,103056	476577977	MCZ:Herp:A-138075	b4640710-8e03-11d8·
Bamboutos	5,661389	10,126944	476577975	MCZ:Herp:A-138073	b4640710-8e03-11d8·
Bamboutos	5,661389	10,126944	476577974	MCZ:Herp:A-138072	b4640710-8e03-11d8·
Bamboutos	5,623333	10,110833	476577973	MCZ:Herp:A-138071	b4640710-8e03-11d8·
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Bamboutos	5,623333	10,110833	476577878	MCZ:Herp:A-138068	b4640710-8e03-11d8·
Bamboutos	5,623333	10,110833	476577877	MCZ:Herp:A-138067	b4640710-8e03-11d8·
Bamboutos	5,623333	10,110833	476577876	MCZ:Herp:A-138066	b4640710-8e03-11d8·
Bamboutos	5,623333	10,110833	476577875	MCZ:Herp:A-138065	b4640710-8e03-11d8·
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Manengouba	5,036389	9,836389	476577671	MCZ:Herp:A-138053	b4640710-8e03-11d8·
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Lake Awing	5,863056	10,198889	476480097	MCZ:Herp:A-138078	b4640710-8e03-11d8·
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Zuawolota, I	7,05624	-10,31022	2147657330	http://arctos.database.museum/gui	UWBM
Zuawolota, I	7,05624	-10,31022	2147657324	http://arctos.database.museum/gui	UWBM
Zuawolota, I	7,05624	-10,31022	2147657319	http://arctos.database.museum/gui	UWBM
Zuawolota, I	7,05624	-10,31022	2147657315	http://arctos.database.museum/gui	UWBM
Molakole, G	7,18911	-10,15109	2147657312	http://arctos.database.museum/gui	UWBM
Zuawolota, I	7,05624	-10,31022	2147657307	http://arctos.database.museum/gui	UWBM
Zuawolota, I	7,05624	-10,31022	2147657305	http://arctos.database.museum/gui	UWBM
Gbarma, Gb	7,054	-10,31129	2147657259	http://arctos.database.museum/gui	UWBM
Gbarma, Gb	7,054	-10,31129	2147657221	http://arctos.database.museum/gui	UWBM
Gbarma, Gb	7,054	-10,31129	2147657215	http://arctos.database.museum/gui	UWBM
Molakole, G	7,18911	-10,15109	2147657170	http://arctos.database.museum/gui	UWBM
Zuawolota, I	7,05624	-10,31022	2147657087	http://arctos.database.museum/gui	UWBM
Molakole, G	7,18911	-10,15109	2147657083	http://arctos.database.museum/gui	UWBM
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Western Reg	5,27742	-2,63731	1303200142	http://arctos.database.museum/gui	UWBM
Western Reg	5,21956	-2,65039	1303200089	http://arctos.database.museum/gui	UWBM
Western Reg	5,27267	-2,64478	1303200088	http://arctos.database.museum/gui	UWBM
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Western Reg	5,27267	-2,64478	1303200065	http://arctos.database.museum/gui	UWBM
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Sapo Nation	5,5	-9,5	1211767540	URI:catalog:ROM:Reptiles and Amphibians:19875	
Sapo Nation	5,5	-9,5	1211767365	URI:catalog:ROM:Reptiles and Amphibians:43626	
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Sapo Nation	5,5	-9,5	1211735693	URI:catalog:ROM:Reptiles and Amphibians:19881	
Sapo Nation	5,5	-9,5	1211735629	URI:catalog:ROM:Reptiles and Amphibians:19876	
Site 2	8,515	-8,943	197170795	197170795	
Gola Nationa	7,453	-10,692	197170774	197170774	
North Lorma	8,029	-9,735	197170773	197170773	
North Lorma	8,032	-9,736	197170772	197170772	
North Lorma	8,034	-9,733	197170771	197170771	

Gola Nationa	7,456	-10,691	197170770	197170770	
Grebo Natio	5,402	-7,734	197170769	197170769	
Grebo Natio	5,406	-7,735	197170768	197170768	
Grebo Natio	5,405	-7,73	197170767	197170767	
North Lorma	8,024	-9,74	197170766	197170766	
Draw River	5,2	-2,4	197170689	197170689	
Boi-Tano/Ta	5,533	-2,617	197170682	197170682	
Foret Classe	8,152	-8,58	197170665	197170665	
Foret Classe	8,144	-8,555	197170662	197170662	
Foret Classe	7,496	-8,833	197170658	197170658	
Foret Classe	7,595	-8,865	197170657	197170657	
Foret Classe	7,597	-8,201	197170653	197170653	
Foret Classe	7,595	-8,221	197170651	197170651	
Foret Classe	7,52	-8,839	197170650	197170650	
Foret Classe	7,518	-8,836	197170649	197170649	
Foret Classe	7,597	-8,201	197170646	197170646	
Cavally	6,174	-7,788	197170631	197170631	
Haute Dodo	4,9	-7,316	197170623	197170623	
Site 2	8,516	-8,943	197170551	197170551	
Site 2	8,556	-8,937	197170550	197170550	
Esipa	5,03333	10,5	1830950007	http://id.smns-bw.org/smns/collection/21318/464714/42	
	-2,434889	12,938028	2813997779	51085298	
Congo River	-2,10339	12,13954	1845058466	0377844e-e44d-494a-93bf-5f73474aca0c	
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0.33 mi NN	-4,708556	12,276472	1837125187	b445c37e-b789-4732-8ac4-9e89f189a2ad	
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PFA4 & PF	-4,471944	12,013889	1837124989	67e9bc08-443e-4f42-a550-8c2081c95d6c	
0.28 mi NW	-4,711917	12,273833	1837124964	6161c637-b779-4cfe-8fe4-1189d50f7059	
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Mt. Oku, ne	6,192222	10,522222	476577576	MCZ:Herp:A-138123	b4640710-8e03-11d8
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Mt. Oku, fo	6,223889	10,525833	476577470	MCZ:Herp:A-138121	b4640710-8e03-11d8
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Mt. Oku, fo	6,223889	10,525833	476577468	MCZ:Herp:A-138119	b4640710-8e03-11d8
Mt. Oku, fo	6,223889	10,525833	476577467	MCZ:Herp:A-138118	b4640710-8e03-11d8
Elak Oku Vi	6,245833	10,506389	476577465	MCZ:Herp:A-138115	b4640710-8e03-11d8
Ramba Villa	-0,363611	11,787222	1839364831	MCZ:Herp:A-149217	b4640710-8e03-11d8
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Veloqua, Gb	7,0793	-10,68099	2147657329	http://arctos.database.museum/gui	UWBM
Zuawolota, I	7,05624	-10,31022	2147657328	http://arctos.database.museum/gui	UWBM
Veloqua, Gb	7,0793	-10,68099	2147657327	http://arctos.database.museum/gui	UWBM
Veloqua, Gb	7,0793	-10,68099	2147657320	http://arctos.database.museum/gui	UWBM

Molakole, G	7,18911	-10,15109	2147657318	http://arctos.database.museum/gui UWBM
Veloqua, Gb	7,0793	-10,68099	2147657317	http://arctos.database.museum/gui UWBM
Molakole, G	7,18911	-10,15109	2147657316	http://arctos.database.museum/gui UWBM
Molakole, G	7,18911	-10,15109	2147657310	http://arctos.database.museum/gui UWBM
Molakole, G	7,18911	-10,15109	2147657306	http://arctos.database.museum/gui UWBM
Zuawolota, I	7,05624	-10,31022	2147657303	http://arctos.database.museum/gui UWBM
Veloqua, Gb	7,0793	-10,68099	2147657301	http://arctos.database.museum/gui UWBM
Zuawolota, I	7,05624	-10,31022	2147657241	http://arctos.database.museum/gui UWBM
Molakole, G	7,18911	-10,15109	2147657167	http://arctos.database.museum/gui UWBM
Gola Nationa	7,453	-10,692	197170781	197170781
Grebo Natio	5,406	-7,735	197170780	197170780
North Lorma	8,029	-9,735	197170779	197170779
North Lorma	8,034	-9,733	197170778	197170778
Gola Nationa	7,456	-10,691	197170777	197170777
Grebo Natio	5,405	-7,73	197170776	197170776
Gola Nationa	7,456	-10,696	197170775	197170775
Site 2	8,516	-8,943	197170734	197170734
Cavally	6,174	-7,788	197170632	197170632
Site 2	8,556	-8,937	197170518	197170518
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	5,689668	-8,133653	2641581702	49211456
	5,349328	-1,382092	2573910466	37405278
	6,454063	-3,457	2366012297	19695606
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Eastern Regi	6,12799	-0,6289	1303200159	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303200115	http://arctos.database.museum/gui UWBM
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Western Reg	5,2818	-2,64169	1303200108	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303200107	http://arctos.database.museum/gui UWBM
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Eastern Regi	6,12799	-0,6289	1303200094	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303200078	http://arctos.database.museum/gui UWBM
Eastern Regi	6,12799	-0,6289	1303200052	http://arctos.database.museum/gui UWBM
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Sapo Nation	5,5	-9,5	1211735670	URI:catalog:ROM:Reptiles and Amphibians:19872
Eastern Regi	6,24246	-0,5571	1146416636	http://arctos.database.museum/gui UWBM
Ashanti Reg	6,68701	-1,34414	1146416627	http://arctos.database.museum/gui UWBM
Ashanti Reg	6,68701	-1,34414	1146416621	http://arctos.database.museum/gui UWBM
Ashanti Reg	6,68701	-1,34414	1146416615	http://arctos.database.museum/gui UWBM
Eastern Regi	6,24246	-0,5571	1146416608	http://arctos.database.museum/gui UWBM
Eastern Regi	6,24246	-0,5571	1146416606	http://arctos.database.museum/gui UWBM
Ashanti Reg	6,68701	-1,34414	1146416599	http://arctos.database.museum/gui UWBM
Eastern Regi	6,24246	-0,5571	1146416595	http://arctos.database.museum/gui UWBM

Eastern Regi	6,24246	-0,5571	1146416588	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68701	-1,34414	1146416568	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68701	-1,34414	1146416567	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416561	http://arctos.database.museum/gui	UWBM
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Ankasa Nati	5,28173	-2,64022	1145558118	http://arctos.database.museum/gui	MVZ
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Grebo Natio	5,402	-7,733	197170788	197170788	
Grebo Natio	5,405	-7,73	197170787	197170787	
Grebo Natio	5,406	-7,735	197170786	197170786	
Gola Nationa	7,453	-10,692	197170785	197170785	
North Lorma	8,029	-9,735	197170784	197170784	
North Lorma	8,034	-9,736	197170783	197170783	
North Lorma	8,029	-9,735	197170782	197170782	
Krokosua Hi	6,617	-2,85	197170692	197170692	
Draw River	5,2	-2,4	197170690	197170690	
Boi-Tano/Ta	5,533	-2,617	197170683	197170683	
Cavally	6,174	-7,788	197170633	197170633	
Haute Dodo	4,9	-7,316	197170624	197170624	
	5,24016	8,28512		Lotanna Micah Nneji	Department of Zoolog
	5,24275	8,28761		Lotanna Micah Nneji	Department of Zoolog
	5,24379	8,28963		Lotanna Micah Nneji	Department of Zoolog
	5,24652	8,29265		Lotanna Micah Nneji	Department of Zoolog
	5,24652	8,29265		Lotanna Micah Nneji	Department of Zoolog
	5,24652	8,29265		Lotanna Micah Nneji	Department of Zoolog
	5,24743	8,29356		Lotanna Micah Nneji	Department of Zoolog
	5,24743	8,29356		Lotanna Micah Nneji	Department of Zoolog
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	5,5912	5,9545			
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Simombond	-2,3215	13,6615	3027965378	http://n2t.net/ark:/65665/30209f5(	http://grbio.org/cool/1
Republic of	-2,32	13,66	2310353434	KY079805	
Republic of	-2,32	13,66	2309265291	KY080329	

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BatÃ©kÃ©	-2,080683	14,06365	872982332	MCZ:Herp:A-147871	b4640710-8e03-11d8·
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BatÃ©kÃ©	-1,9816	14,001133	872982321	MCZ:Herp:A-147886	b4640710-8e03-11d8·
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BatÃ©kÃ©	-2,080683	14,06365	872982287	MCZ:Herp:A-147866	b4640710-8e03-11d8·
BatÃ©kÃ©	-2,080683	14,06365	872982286	MCZ:Herp:A-147865	b4640710-8e03-11d8·
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Nguengue	4,9172	9,9892	1321645474	http://n2t.net/ark:/65665/3c47980	http://biocol.org/urn:l
Yingui/Mak	4,6	10,27	1321403813	http://n2t.net/ark:/65665/3b9d038	http://biocol.org/urn:l
Lobe, Pygm	2,75	9,93	1320643868	http://n2t.net/ark:/65665/3983d74	http://biocol.org/urn:l
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Nguengue	4,9172	9,9892	1320012189	http://n2t.net/ark:/65665/37c4a39	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1319960329	http://n2t.net/ark:/65665/379ffeb7	http://biocol.org/urn:l
Lobe, Pygm	2,75	9,93	1319717033	http://n2t.net/ark:/65665/36f3bf79	http://biocol.org/urn:l
Nemeyong/N	2,45	10,47	1318435985	http://n2t.net/ark:/65665/3368fb3a	http://biocol.org/urn:l
Lobe, Pygm	2,75	9,93	1318174217	http://n2t.net/ark:/65665/32af72ef	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1317215952	http://n2t.net/ark:/65665/3009848	http://biocol.org/urn:l
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	4,98333	9,86667	1830949964	http://id.smns-bw.org/smns/collection/21231/464627/42	
	5,01667	9,76667	1830949953	http://id.smns-bw.org/smns/collection/21234/464630/42	
	4,98333	9,86667	1830949948	http://id.smns-bw.org/smns/collection/21228/464624/42	
Ebonemin	5,01667	9,76667	1830949934	http://id.smns-bw.org/smns/collection/21235/464631/42	
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	4,95	9,85	1830949891	http://id.smns-bw.org/smns/collection/21226/464622/42	
	4,98333	9,86667	1830949879	http://id.smns-bw.org/smns/collection/21230/464626/42	
	4,96667	9,86667	1830949877	http://id.smns-bw.org/smns/collection/21227/464623/42	
	4,98333	9,86667	1830949869	http://id.smns-bw.org/smns/collection/21229/464625/42	
Stream behi	6,42087	9,35961	1145566342	http://arctos.database.museum/gui	MVZ
E of Ntale V	5,331392	9,65812	476578341	MCZ:Herp:A-136794	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476578338	MCZ:Herp:A-136791	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476480037	MCZ:Herp:A-136790	b4640710-8e03-11d8·
Bamenda, N	5,935278	10,128056	890183098	urn:catalog:CAS:HERP:253630	CAS
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Obudu Cattl	6,42517	9,36238	1145566373	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566371	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566362	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566360	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566355	http://arctos.database.museum/gui	MVZ
Stream behir	6,42087	9,35961	1145566348	http://arctos.database.museum/gui	MVZ
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Stream behir	6,42087	9,35961	1145566343	http://arctos.database.museum/gui	MVZ
Obudu Cattl	6,42517	9,36238	1145566337	http://arctos.database.museum/gui	MVZ
Obudu Cattl	6,42517	9,36238	1145566333	http://arctos.database.museum/gui	MVZ
Obudu Cattl	6,42517	9,36238	1145566330	http://arctos.database.museum/gui	MVZ
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Pastoral	5	10,41667	1830950021	http://id.smns-bw.org/smns/collection/21200/464596/42	
Moeba	5,01667	9,8	1830950005	http://id.smns-bw.org/smns/collection/21197/464593/42	
	5	9,81667	1830949959	http://id.smns-bw.org/smns/collection/21210/464606/42	
Moabi	5,16667	9,83333	1830949958	http://id.smns-bw.org/smns/collection/21194/464590/42	
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Moabi	5,16667	9,83333	1830949944	http://id.smns-bw.org/smns/collection/21190/464586/42	
Sumit	5,01667	9,86667	1830949936	http://id.smns-bw.org/smns/collection/21204/464600/42	
Moeba	5,01667	9,8	1830949930	http://id.smns-bw.org/smns/collection/21196/464592/42	
Sumit	5	9,85	1830949929	http://id.smns-bw.org/smns/collection/21202/464598/42	
Pastoral	5	10,41667	1830949923	http://id.smns-bw.org/smns/collection/21201/464597/42	
Moabi	5,16667	9,83333	1830949919	http://id.smns-bw.org/smns/collection/21192/464588/42	
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Mt. Oku [Vl	6,192222	10,522222	476567158	MCZ:Herp:A-139119	b4640710-8e03-11d8·
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Site 2	8,534	-8,974	197170722	197170722	
Draw River	5,2	-2,4	197170686	197170686	
Boi-Tano/Ta	5,533	-2,617	197170678	197170678	
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Gola Nationa	7,453	-10,692	197170794	197170794	
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Grebo Natio	5,406	-7,735	197170790	197170790	
Gola Nationa	7,456	-10,691	197170789	197170789	
Mont Nimba	7,677	-8,377	197170668	197170668	
Foret Classe	8,142	-8,569	197170666	197170666	
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Cavally	6,174	-7,788	197170634	197170634	
Haute Dodo	4,9	-7,316	197170625	197170625	
Grebo Natio	5,402	-7,733	197170609	197170609	
Boullere (Sa	11,106	-13,96	197170588	197170588	
Boullere (Sa	11,114	-13,961	197170585	197170585	
Kamsar	10,626	-14,531	197170577	197170577	

Kamsar	10,624	-14,524	197170574	197170574	
Sarabaya (Ri	10,72	-14,41	197170571	197170571	
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Cavally	6,174	-7,788	197170635	197170635	
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Grebo Natio	5,406	-7,735	197170612	197170612	
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North Lorma	8,032	-9,736	197170610	197170610	
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Mount Mane	5,03	9,83	1322107618	http://n2t.net/ark:/65665/3d90036	http://biocol.org/urn:l
Mount Mane	5,03	9,83	1318571718	http://n2t.net/ark:/65665/33c901a	http://biocol.org/urn:l
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Ekomtolo	4,83	9,93	1319194841	http://n2t.net/ark:/65665/35824a1	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1318455157	http://n2t.net/ark:/65665/3376863	http://biocol.org/urn:l
Eyimba	4,88	9,98	1317555208	http://n2t.net/ark:/65665/30f9f17b	http://biocol.org/urn:l
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Eastern Regi	6,12799	-0,6289	1303200059	http://arctos.database.museum/gui	UWBM
Western Reg	5,21956	-2,65039	1303200053	http://arctos.database.museum/gui	UWBM
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Ashanti Reg	6,68441	-1,35843	1303200048	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303200024	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68441	-1,35843	1303200023	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303200005	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,12799	-0,6289	1303199985	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68674	-1,34644	1303199963	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1146416658	http://arctos.database.museum/gui	UWBM
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Dja Reserve,	3,190556	12,811667	543551343	urn:catalog:CAS:HERP:199174	CAS
Dja Reserve,	3,190556	12,811667	543551342	urn:catalog:CAS:HERP:199173	CAS
	-2,3425	9,641389	3025977105	https://darwin.naturalsciences.be/u	https://www.wikidata
Masako Res	0,61077	25,27325	2579617768	3a0c2d6039afedb7615531736f1106e58c3dfd6c	
Masako Res	0,61077	25,27325	2579617678	3533cffe68c16d1a93f6e9eaadf1cab86658dfe4	
Masako Res	0,46404	25,29108	2579617568	92d1f6b68ff029a9acae86fa0a9af858562ba4be	
Masako Res	0,61077	25,27325	2579617356	90f57edb7591da3fb4b75ecdd332ee8571b22cde	
Masako Res	0,61064	25,26188	2579617317	77830d089bbff6f93a3402f4ed20cffbe16cfe9b	
Masako Res	0,59852	25,26009	2579617254	bd26e421db42f073f8eec01ba1bbcabbf3242236	
Masako Res	0,59769	25,26007	2579617218	f147ac7067546488e7bf9030cf7f574fc1e2dac1	
Masako Res	0,61064	25,26188	2579617193	e8ca323c5e4d8e2c890547304b0796b9877002ba	
Masako Res	0,61064	25,26188	2579617167	dceec20c5eb45d4005e7d9a9f2b2f7f3bb8fd901	
Masako Res	0,59769	25,26007	2579617166	62cc42f6dd9320282e81703bdb736353b5113534	
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Masako Res	0,59769	25,26007	2579617129	30fde3db21c65eaa3cd75a90944b39b7b33b6c6c	
Masako Res	0,61235	25,26378	2579617126	0134fd28ee3206ac9d4adeab709fbee364e9d8fe	
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Masako Res	0,61064	25,26188	2579617063	2a4a34cd2062659715e1fba74c9dfe95c17bddb3	
Masako Res	0,61064	25,26188	2579617052	e91c4881fe22fab1ecd6272a8ea2da889f0ee0a6	
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Masako Res	0,61064	25,26188	2579616966	4fd7a5bf58b79f69fa13c6a17b1c5f21ea3e1df8	
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Minkebe Nat	1,154444	12,699167	1839364858	MCZ:Herp:A-149222	b4640710-8e03-11d8·
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Minkebe Nat	1,154444	12,699167	1839364848	MCZ:Herp:A-149220	b4640710-8e03-11d8·
Minkebe Nat	1,154444	12,699167	1839364843	MCZ:Herp:A-149219	b4640710-8e03-11d8·
Ossele villag	-1,855278	13,854167	1839364836	MCZ:Herp:A-149218	b4640710-8e03-11d8·
Minkebe Nat	1,154444	12,699167	1839349386	MCZ:Cryo:2332	b4640710-8e03-11d8·
E of Ntale V	5,331392	9,65812	476793135	MCZ:Herp:A-136782	b4640710-8e03-11d8·
Efolofo, N s	4,358333	9,091667	476480034	MCZ:Herp:A-136758	b4640710-8e03-11d8·
Krokosua Hi	6,617	-2,85	197197316	197197316	
Draw River	5,2	-2,4	197197312	197197312	

Boi-Tano/Ta	5,533	-2,617	197197309	197197309	
Cavally	6,174	-7,788	197197283	197197283	
Haute Dodo	4,9	-7,316	197197280	197197280	
North Lorma	8,034	-9,733	197197269	197197269	
North Lorma	8,025	-9,737	197197268	197197268	
Gola Nationa	7,456	-10,696	197197267	197197267	
Grebo Natio	5,406	-7,735	197197266	197197266	
North Lorma	8,029	-9,735	197197265	197197265	
Site 2	8,534	-8,974	197197334	197197334	
Site 2	8,515	-8,943	197196341	197196341	
Site 2	8,516	-8,943	197196337	197196337	
Site 2	8,556	-8,937	197195558	197195558	
Manjo Area,	4,84975	9,77183	890183561	urn:catalog:CAS:HERP:254054	CAS
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Manjo Area,	4,84975	9,77183	890183480	urn:catalog:CAS:HERP:254024	CAS
Site 2	8,515	-8,943	197196347	197196347	
Ituri Forest	1,23852	28,31405	2027455413	10130103dc14012be7733fd5555e2ef3d40e738c	
KikÃ©lÃ©	9	1,716667	2465039835	2019_AN_0720	
Moibata, Gb	6,96738	-10,46943	2147657260	http://arctos.database.museum/gui	UWBM
	6,690286	-1,337869	1899782922	15932394	
	6,689956	-1,328689	1899778501	15914876	
	6,689828	-1,329475	1899778365	15913882	
Western Reg	5,2818	-2,64169	1303200045	http://arctos.database.museum/gui	UWBM
Western Reg	5,2904	-2,63809	1303200037	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303200032	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68719	-1,34458	1303200022	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303200019	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68719	-1,34458	1303200010	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68719	-1,34458	1303199997	http://arctos.database.museum/gui	UWBM
Western Reg	5,2818	-2,64169	1303199995	http://arctos.database.museum/gui	UWBM
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Sapo Nation	5,5	-9,5	1211735513	URI:catalog:ROM:Reptiles and Amphibians:19853	
Ashanti Reg	6,68701	-1,34414	1146416661	http://arctos.database.museum/gui	UWBM
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Ashanti Reg	6,68701	-1,34414	1146416641	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68701	-1,34414	1146416617	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,68701	-1,34414	1146416604	http://arctos.database.museum/gui	UWBM
Ashanti Reg	6,82944	-1,73146	1146416593	http://arctos.database.museum/gui	UWBM
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Ankasa Nati	5,29004	-2,63957	1145558301	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145558175	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145558165	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145558148	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145558128	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28173	-2,64022	1145558111	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,28434	-2,64861	1145558105	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145558080	http://arctos.database.museum/gui	MVZ
Ankasa Nati	5,29004	-2,63957	1145558066	http://arctos.database.museum/gui	MVZ
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Muni Lagoo	5,353889	-0,703333	895410197	b0442641-b069-11e3-8cfe-90b11c	http://grbio.org/cool/
Wa	10,0585	-2,509667	543501494	urn:catalog:CAS:HERP:154309	CAS
Wa	10,0585	-2,509667	543501493	urn:catalog:CAS:HERP:154308	CAS
Okomu Nati	6,34703	5,34625	1671748890	7f79a6a0-a553-4076-9ec9-9b9f3a5	urn:lsid:biocol.org:co
Ankasa Resc	5,26405	-2,6455	1337840876	MCZ:Herp:A-150813	b4640710-8e03-11d8
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Krokosua Hi	6,617	-2,85	197197317	197197317	
Draw River	5,2	-2,4	197197313	197197313	
Boi-Tano/Ta	5,533	-2,617	197197310	197197310	
Cavally	6,174	-7,788	197197285	197197285	
Haute Dodo	4,9	-7,316	197197282	197197282	
Grebo Natio	5,402	-7,733	197197273	197197273	
Gola Nationa	7,456	-10,696	197197272	197197272	
Gashaka Gu	7,42047	11,35046			
Gashaka Gu	7,46053	11,39282			
Lobolo	0,915	23,455	197197396	197197396	
CoopÃ©rati	-4,61642	12,0435	3028095351	http://n2t.net/ark:/65665/3737ec3	http://grbio.org/cool/
Mayongongo	-4,18633	14,9553	3028040434	http://n2t.net/ark:/65665/3e769d7	http://grbio.org/cool/
CoopÃ©rati	-4,61719	12,0668	3027984533	http://n2t.net/ark:/65665/33fa9cd6	http://grbio.org/cool/
	-2,291917	12,808167	2814294429	51205902	
	3,872569	11,528266	2422938770	32238475	
Swamp Fore	-4,469444	12,019722	1837125045	7e7a87ea-b1b3-4d41-9bbe-0facb2efb914	
River 1.78 n	-4,462917	12,039444	1837124798	125cacff-4a1f-45be-90ec-22b409395ae8	
CoopÃ©rati	-4,61642	12,0435	1456299125	http://n2t.net/ark:/65665/3a9b9f8	http://biocol.org/urn:l
Mayongongo	-4,18633	14,9553	1456195115	http://n2t.net/ark:/65665/37925cd	http://biocol.org/urn:l
Mayongongo	-4,18633	14,9553	1456135428	http://n2t.net/ark:/65665/35d2e70	http://biocol.org/urn:l
CoopÃ©rati	-4,61719	12,0668	1456108642	http://n2t.net/ark:/65665/350a298	http://biocol.org/urn:l
Impongui	1,0769	17,2997	1321639062	http://n2t.net/ark:/65665/3c4332f	http://biocol.org/urn:l
Ganganya Bi	1,51413	17,9378	1321185898	http://n2t.net/ark:/65665/3b02a69	http://biocol.org/urn:l
Impongui	1,0769	17,2997	1320224283	http://n2t.net/ark:/65665/385a650	http://biocol.org/urn:l
Impongui	1,0769	17,2997	1319335936	http://n2t.net/ark:/65665/35e6394	http://biocol.org/urn:l
Impongui	1,0769	17,2997	1319105353	http://n2t.net/ark:/65665/35429d3	http://biocol.org/urn:l

Cariven_Vil	-0,18482	10,77727	1249234358	urn:catalog:OMNH:OCGR:13733	
Manioc Rive	-0,86831	12,67244	1211002782	urn:catalog:CAS:HERP:258320	CAS
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Junkville, 0(	-0,06216	11,1587	1211002571	urn:catalog:CAS:HERP:258118	CAS
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Kayete	0,12846	25,62389	2579617883	4ebac32631c09455bcdb52f551732b8ba7f07e09	
Ossele villag	-1,855278	13,854167	1839364862	MCZ:Herp:A-149223	b4640710-8e03-11d8-
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Juarzon, cree	5,5	-9,5	1211735656	URI:catalog:ROM:Reptiles and Amphibians:19887	
Ankasa Nati	5,29004	-2,63957	1145558120	http://arctos.database.museum/gui	MVZ
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Grebo Natio	5,398	-7,709	197197274	197197274	
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Loungou fie	-2,49067	13,7183	3028134966	http://n2t.net/ark:/65665/3f88b6b	http://grbio.org/cool/
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Simombond	-2,322	13,6593	3028117910	http://n2t.net/ark:/65665/3c010d5	http://grbio.org/cool/
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Loungou fie	-2,49067	13,7183	3028107465	http://n2t.net/ark:/65665/395bbdc	http://grbio.org/cool/
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Kissiki field	-2,79367	13,5137	3028081296	http://n2t.net/ark:/65665/356f585	http://grbio.org/cool/1
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Simombond	-2,32583	13,6605	3028035937	http://n2t.net/ark:/65665/3d6f276f	http://grbio.org/cool/1
Impongui	1,08811	17,3074	3028035013	http://n2t.net/ark:/65665/3d8fc88(	http://grbio.org/cool/1
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Simombond	-2,32467	13,6607	3028032120	http://n2t.net/ark:/65665/3e237a8(	http://grbio.org/cool/1
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Simombond	-2,32467	13,6607	3028025009	http://n2t.net/ark:/65665/3c4610c9	http://grbio.org/cool/1
Simombond	-2,32217	13,6605	3028017043	http://n2t.net/ark:/65665/3a43901	http://grbio.org/cool/1
Simombond	-2,31983	13,6567	3028016680	http://n2t.net/ark:/65665/39ae051	http://grbio.org/cool/1
Simombond	-2,32067	13,6578	3028016385	http://n2t.net/ark:/65665/393182a	http://grbio.org/cool/1
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Simombond	-2,32583	13,6568	3028012216	http://n2t.net/ark:/65665/3a6d8d3	http://grbio.org/cool/1
Simombond	-2,33283	13,6675	3028010459	http://n2t.net/ark:/65665/390d80d	http://grbio.org/cool/1
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Simombond	-2,32583	13,6605	3028008226	http://n2t.net/ark:/65665/38de3d7(	http://grbio.org/cool/1
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Kissiki field	-2,79367	13,5137	3028000683	http://n2t.net/ark:/65665/37faacf5	http://grbio.org/cool/1
Simombond	-2,32467	13,6607	3027996058	http://n2t.net/ark:/65665/36bb105	http://grbio.org/cool/1
Simombond	-2,32467	13,6607	3027992998	http://n2t.net/ark:/65665/36b1ccab	http://grbio.org/cool/1
Impongui	1,08811	17,3074	3027989561	http://n2t.net/ark:/65665/35c3e5b2	http://grbio.org/cool/1
Kissiki field	-2,78983	13,5343	3027989414	http://n2t.net/ark:/65665/3585201	http://grbio.org/cool/1
Simombond	-2,32583	13,6568	3027987587	http://n2t.net/ark:/65665/340e3b1	http://grbio.org/cool/1
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Simombond	-2,3258	13,6568	3027983487	http://n2t.net/ark:/65665/33ede4d(	http://grbio.org/cool/1
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Simombond	-2,32583	13,6568	3027960895	http://n2t.net/ark:/65665/3115115	http://grbio.org/cool/1
Simombond	-2,3258	13,6568	3027959902	http://n2t.net/ark:/65665/31149eb	http://grbio.org/cool/1
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Bioko Islanc	3,33622	8,66597	2426939727	http://n2t.net/ark:/65665/3bcefdc9	http://biocol.org/urn:l
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Simombond	-2,32067	13,6578	1322751626	http://n2t.net/ark:/65665/3f57e82	http://biocol.org/urn:l
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Yingui/Mak	4,6	10,27	1322146068	http://n2t.net/ark:/65665/3dab484	http://biocol.org/urn:l
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03 42 39.8 N	3,711056	8,666639	543560729	urn:catalog:CAS:HERP:207620	CAS
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Mundemba t	5,06921	8,85979	1309944519	b28a414a-6e35-47bf-b8f6-5e3639c http://grbio.org/cool/i
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Masako Res	0,61064	25,26188	2579617398	eaafee28f17ed1ea0d1f511e4b3b364fb3506408
Uma	0,5449	25,93178	2579617229	397a7dbcdce06d95b209c2e2de190e14c67fd65c
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Yoko Reserv	0,29397	25,29512	2579616943	05455b8627392d1efd2fe1441f5a579a572fd831
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Yoko Reserv	0,283333	25,28333	2579616595	a804eca8ad68000b79b6fc016797149024f095e8
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Ituri Forest	1,21738	29,021	2027455437	5f450be1d7b37db430130183766633ef9546bde9
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Masako Res	0,59769	25,26007	2579616989	3d329e1fad7e8d65b28e7bae3baa4027e08c41ba	
Rubi-TÃ©lÃ	2,31666	24,96666	2579616456	ef8b24dcfc420249b72aac584f5e04395ef1f83e	
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Ituri Forest	1,39911	28,56933	2027455457	e3edce55a2616bf517571bc78064d1c2ba8fde4d	
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Ekomtolo	4,83	9,93	1319512977	http://n2t.net/ark:/65665/36632f9	http://biocol.org/urn:l

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Ongot, on th	3,85	11,3833	614804277		
Sanaga Rive	4,930339	13,285322	543505055	urn:catalog:CAS:HERP:157514	CAS
North Lorma	8,029	-9,735	197022489	197022489	
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Site 2	8,556	-8,937	197021295	197021295	
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foothills of I	4,85	9,7673	1291011505	http://arctos.database.museum/gui	MVZ
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Moibata, Gb	6,96738	-10,46943	2147657085	http://arctos.database.museum/gui	UWBM
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Zuawolota, I	7,05624	-10,31022	2147657245	http://arctos.database.museum/gui	UWBM
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Western Reg	5,27742	-2,63731	1303200149	http://arctos.database.museum/gui	UWBM
Western Reg	5,27742	-2,63731	1303200136	http://arctos.database.museum/gui	UWBM
Eastern Regi	6,24246	-0,5571	1303200121	http://arctos.database.museum/gui	UWBM
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Grebo Natio	5,402	-7,734	197022491	197022491	
North Lorma	8,029	-9,735	197022490	197022490	
Site 2	8,534	-8,974	197021648	197021648	
Cavally	6,174	-7,788	197021392	197021392	
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Site 2	8,515	-8,943	197021245	197021245	
Site 2	8,516	-8,943	197021208	197021208	
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Yoko Reserv	0,30036	25,27924	2579616919	7be032cb809797053c3dd094a354305b2cdec7fe	
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Yoko Reserv	0,29397	25,29512	2579616723	d48a0551dc3ace56aa1fc36c3f6ef9e2141ce590	
Yoko Reserv	0,30144	25,27686	2579616707	d24e758a5bb2f2822b4ebac0e1c359a9165ae4de	
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Yoko Reserv	0,283333	25,28333	2579616613	88ddd1780b539970933f5aa1cbe055b34a6cdcac	
Ituri Forest	1,40019	28,56688	2027455454	c363b652bf6b46bcf18894e2c38c5737c89c1219	
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North Camp	3,367	8,502483	1852457237	4de5ed61-5381-11e6-9649-a4a344	http://grbio.org/cool/
Lebayi field	-2,67867	13,5872	1320881781	http://n2t.net/ark:/65665/3a2bc6d3	http://biocol.org/urn:l
Bambama vi	-2,54767	13,5245	1319702202	http://n2t.net/ark:/65665/36e90e74	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1319649262	http://n2t.net/ark:/65665/36c38b0	http://biocol.org/urn:l
Bambama vi	-2,54767	13,5245	1318551505	http://n2t.net/ark:/65665/33ba898	http://biocol.org/urn:l
Bambama vi	-2,54767	13,5245	1318052381	http://n2t.net/ark:/65665/3259201	http://biocol.org/urn:l
Bambama vi	-2,54633	13,5182	1317519060	http://n2t.net/ark:/65665/30e0551	http://biocol.org/urn:l
Woleu-Ntem	1,5	12	3025945769	https://darwin.naturalsciences.be/u	https://www.wikidata
E of Ntale V	5,331392	9,65812	476578753	MCZ:Herp:A-136802	b4640710-8e03-11d8-
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Mount Mane	5,03	9,83	1318118465	http://n2t.net/ark:/65665/3287febc	http://biocol.org/urn:l
Yelwa	7,088056	11,078083	476802811	MCZ:Herp:A-139605	b4640710-8e03-11d8-
Yelwa	7,088056	11,078083	476767537	MCZ:Herp:A-139604	b4640710-8e03-11d8-
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Lebayi field	-2,66683	13,5958	3028139970	http://n2t.net/ark:/65665/3f3b976	http://grbio.org/cool/
Lebayi field	-2,66683	13,5958	3027994845	http://n2t.net/ark:/65665/367cca94	http://grbio.org/cool/
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Stream soutl	5,36628	8,43442	2427838585	http://arctos.database.museum/gui	MVZ
Stream soutl	5,36628	8,43442	2427838583	http://arctos.database.museum/gui	MVZ
Stream soutl	5,36628	8,43442	2427838577	http://arctos.database.museum/gui	MVZ

Stream soutl	5,36628	8,43442	2427838571	http://arctos.database.museum/gui	MVZ
Republic of	-2,67	13,6	2308153102	KY080407	
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Kon-Yambet	4,834139	11,058278	1989834224	d279fe48-8ea2-47bc-97b5-6760a7001164	
Manjo, Man	4,827056	9,78575	1989834216	ca87a1f3-6317-42f4-aff0-f9de7d30e2b4	
Ndikinimeki	4,757361	10,811111	1989834152	e5bc0fef-2cd6-4e56-9d2f-a6a6012cd2b0	
Ndikinimeki	4,757361	10,811111	1989834147	e1155a69-cf7d-4ebf-929a-80b1f29ca72c	
Campo, Mir	2,37175	9,855389	1989834135	c01a7e23-9220-4201-b389-c4c46bd6b823	
Kon-Yambet	4,834139	11,058278	1989834046	b92e7da3-50e2-4ea0-83ce-cd1bee7fc16d	
Campo, Mir	2,37175	9,855389	1989834033	a39e9d9d-e54f-4b97-b496-9526214ca5f3	
Manjo, Man	4,827056	9,78575	1989833819	46e69855-af74-4fc2-be55-dd9f14208b5c	
Kon-Yambet	4,834139	11,058278	1989833796	9370492f-a553-4f23-87b7-da42ddbbba5b	
Kon-Yambet	4,834139	11,058278	1989833738	459e73ea-c1b7-4d80-b7e6-b80e2f827214	
Kon-Yambet	4,834139	11,058278	1989833733	429f225a-37db-436e-8520-3748b6ab0d00	
Ndikinimeki	4,757361	10,811111	1989833709	20133567-a58e-4e1e-879e-6d2b0362fa67	
Campo, Mir	2,37175	9,855389	1989833697	2c8352f1-1d16-48a9-88e9-8a8df674816d	
Kon-Yambet	4,834139	11,058278	1989833695	291a2636-6eaf-4ad5-a38a-1b44721c4b13	
Nanfang, Ma	4,72	9,746861	1989833686	1d3ea223-8ccd-4e91-aabf-074a12cda66b	
Ndikinimeki	4,757361	10,811111	1989833494	0b96c6dc-f1ad-4bd7-b454-57012b44ebe5	
Ogooue Rive	-2,08222	12,12813	1839291708	aa636f78-9387-4efd-a631-b4794b241506	
Congo River	-2,03633	12,15113	1839291699	a4abb408-6d65-4494-b295-9cb158287560	
Congo River	-2,10339	12,13954	1839291669	9ed25384-c2d8-43b6-a34d-69a542ccc104	
Ogooue Rive	-1,16641	11,81552	1839291631	93ee20f3-245e-4382-9821-25088271f60c	
Ogooue Rive	-1,16641	11,81552	1839291581	85737aac-8a57-47e0-aff0-59857fa0f747	
Congo River	-2,10339	12,13954	1839291511	6ebff0af-c332-4a10-beb5-6fb60430ea1e	
Ogooue Rive	-1,16641	11,81552	1839291426	56d145e6-b8d0-4d44-b922-79b7fc8425be	
Congo River	-2,03633	12,15113	1839291388	4a179a39-ca18-43a9-8f47-3f25218ff689	
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Nnemeyong/	2,45	10,47	1321577847	http://n2t.net/ark:/65665/3c17d53	http://biocol.org/urn:l
Lipombe II /	3,5	10,88	1321345539	http://n2t.net/ark:/65665/3b73fbcf	http://biocol.org/urn:l
Ekomtolo	4,83	9,93	1321244911	http://n2t.net/ark:/65665/3b2c623	http://biocol.org/urn:l
Lebayi field	-2,66683	13,5958	1320633683	http://n2t.net/ark:/65665/397cad7	http://biocol.org/urn:l
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Lipombe II /	3,5	10,88	1318999275	http://n2t.net/ark:/65665/34f7849	http://biocol.org/urn:l
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MitonÃ©	-0,64102	10,21766	1249234386	urn:catalog:OMNH:OCGR:13725	
	-1,302444	11,103573	1227719508	1850937	
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04 43 33.3 N	4,725917	9,552933	1211003552	urn:catalog:CAS:HERP:259152	CAS
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Nguti, Bany	5,33985	9,4966	1135646136	urn:catalog:TCWC:Herpetology:9	urn:lsid:biocol.org:co
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E of Ntale V	5,331392	9,65812	476480061	MCZ:Herp:A-136803	b4640710-8e03-11d8·
Bamboutos	5,623333	10,110833	476583071	MCZ:Herp:A-137998	b4640710-8e03-11d8·
Mt. Bambou	5,675	10,108333	476579363	MCZ:Herp:A-136902	b4640710-8e03-11d8·
Mt. Oku, fo	6,223889	10,525833	476578157	MCZ:Herp:A-138011	b4640710-8e03-11d8·
Bamboutos |	5,686389	10,103611	476577964	MCZ:Herp:A-138002	b4640710-8e03-11d8·
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Nguengue	4,9172	9,9892	1321820815	http://n2t.net/ark:/65665/3cc48fa5	http://biocol.org/urn:l
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Nguengue	4,9172	9,9892	1319292721	http://n2t.net/ark:/65665/35c7833	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1319193372	http://n2t.net/ark:/65665/35812c5	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1317831484	http://n2t.net/ark:/65665/31bd04c	http://biocol.org/urn:l
	4,98333	9,86667	1830957256	http://id.smns-bw.org/smns/collection/21236/464632/42	
	5,21243	8,27017			
	5,31832	8,3457			
Mt Coupe, N	4,834667	9,680833	543510792	urn:catalog:CAS:HERP:162678	CAS
Mt Coupe, N	4,834667	9,680833	543510791	urn:catalog:CAS:HERP:162677	CAS
Mt. Koupe,	4,8333	9,6833	1057293132	3348928	
Primary Lite	4,95	9,65			
	5,01667	9,76667	1830957514	http://id.smns-bw.org/smns/collection/21237/464633/42	
	5,01667	9,76667	1830957511	http://id.smns-bw.org/smns/collection/21238/464634/42	
Dikome Bal	4,9167	9,25	1057286455	3348926	
Nsoung [VE	4,981389	9,813333	476583167	MCZ:Herp:A-137993	b4640710-8e03-11d8·
Nsoung [VE	4,981389	9,813333	476583166	MCZ:Herp:A-137992	b4640710-8e03-11d8·
Mt. Oku [VI	6,21	10,529722	476578158	MCZ:Herp:A-138012	b4640710-8e03-11d8·
Mt. Oku [VI	6,21	10,529722	476480071	MCZ:Herp:A-138013	b4640710-8e03-11d8·
Mt. Bambou	5,675	10,108333	476803029	MCZ:Herp:A-136895	b4640710-8e03-11d8·
Bamboutos |	5,647778	10,120833	476583169	MCZ:Herp:A-137995	b4640710-8e03-11d8·

Bamboutos :	5,668611	10,103056	476583073	MCZ:Herp:A-138001	b4640710-8e03-11d8·
Bamboutos :	5,668611	10,103056	476583072	MCZ:Herp:A-138000	b4640710-8e03-11d8·
Mt. Bambou	5,675	10,108333	476579362	MCZ:Herp:A-136901	b4640710-8e03-11d8·
Mt. Bambou	5,675	10,108333	476579361	MCZ:Herp:A-136900	b4640710-8e03-11d8·
Mt. Bambou	5,675	10,108333	476579257	MCZ:Herp:A-136899	b4640710-8e03-11d8·
Mt. Bambou	5,675	10,108333	476579256	MCZ:Herp:A-136897	b4640710-8e03-11d8·
Mt. Bambou	5,675	10,108333	476579255	MCZ:Herp:A-136896	b4640710-8e03-11d8·
Mt. Bambou	5,675	10,108333	476579254	MCZ:Herp:A-136894	b4640710-8e03-11d8·
Mt. Oku, fo	6,183333	10,516667	476578159	MCZ:Herp:A-138014	b4640710-8e03-11d8·
Bamboutos :	5,668611	10,103056	476480904	MCZ:Herp:A-137999	b4640710-8e03-11d8·
Mt. Bambou	5,675	10,108333	476479422	MCZ:Herp:A-136898	b4640710-8e03-11d8·
	4,002493	9,123842	2802545357	15225336	
Nguengue	4,9172	9,9892	1322708096	http://n2t.net/ark:/65665/3f390a2(	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1321097626	http://n2t.net/ark:/65665/3ac4628·	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1319985396	http://n2t.net/ark:/65665/37b1cb5:	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1319655851	http://n2t.net/ark:/65665/36c8606'	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1318700284	http://n2t.net/ark:/65665/3423f15{	http://biocol.org/urn:l
Nguengue	4,9172	9,9892	1318163955	http://n2t.net/ark:/65665/32a82da:	http://biocol.org/urn:l
Buea, below	4,166667	9,2	543510793	urn:catalog:CAS:HERP:162679	CAS
	4,98333	9,86667	1830957515	http://id.smns-bw.org/smns/collection/21242/464638/42	
	4,98333	9,86667	1830957513	http://id.smns-bw.org/smns/collection/21241/464637/42	
Primary fore	5,01667	9,76667	1830957258	http://id.smns-bw.org/smns/collection/21240/464636/42	
	5	9,73333	1830957257	http://id.smns-bw.org/smns/collection/21243/464639/42	
Primary fore	5,01667	9,76667	1830957251	http://id.smns-bw.org/smns/collection/21239/464635/42	
Below Hut 1	4,1667	9,2	1057079780	3348930	
Base of Mt.	4,0667	9,1	1056853267	3348934	
Mt. Camerou	4,1167	9,1	1056714859	3348932	
Mt Koupe, N	4,8167	9,7	1056612687	3348936	
Hut 1, Buea,	4,1667	9,2	1056038498	3348938	
Simombond	-2,32167	13,6592	3028136716	http://n2t.net/ark:/65665/3f29309l	http://grbio.org/cool/1
Simombond	-2,31983	13,6567	3028131997	http://n2t.net/ark:/65665/3f927df4	http://grbio.org/cool/1
Simombond	-2,322	13,6593	3028128819	http://n2t.net/ark:/65665/3d5d00c'	http://grbio.org/cool/1
Simombond	-2,3258	13,6568	3028128391	http://n2t.net/ark:/65665/3ca070ca	http://grbio.org/cool/1
Impongui, n	1,07847	17,2927	3028117902	http://n2t.net/ark:/65665/3bfd9d9{	http://grbio.org/cool/1
Simombond	-2,32167	13,6592	3028108649	http://n2t.net/ark:/65665/397aca6(	http://grbio.org/cool/1
Simombond	-2,31983	13,6567	3028104241	http://n2t.net/ark:/65665/3abd539·	http://grbio.org/cool/1
Impongui, n	1,07847	17,2927	3028101683	http://n2t.net/ark:/65665/39c3006:	http://grbio.org/cool/1
Simombond	-2,32167	13,6592	3028080012	http://n2t.net/ark:/65665/34c292fa	http://grbio.org/cool/1
Simombond	-2,32167	13,6592	3028077139	http://n2t.net/ark:/65665/34f7e9ea	http://grbio.org/cool/1
Simombond	-2,32167	13,6592	3028071483	http://n2t.net/ark:/65665/3424825	http://grbio.org/cool/1
Impongui, n	1,07847	17,2927	3028071286	http://n2t.net/ark:/65665/339d660	http://grbio.org/cool/1
Impongui, n	1,07847	17,2927	3028065309	http://n2t.net/ark:/65665/31c8270(	http://grbio.org/cool/1
Simombond	-2,32167	13,6592	3028056240	http://n2t.net/ark:/65665/31b90bf(	http://grbio.org/cool/1
Simombond	-2,3258	13,6568	3028053437	http://n2t.net/ark:/65665/304039c:	http://grbio.org/cool/1
Simombond	-2,32167	13,6592	3028048127	http://n2t.net/ark:/65665/3febf07b	http://grbio.org/cool/1

Impongui, n	1,07847	17,2927	3028039407	http://n2t.net/ark:/65665/3e798da http://grbio.org/cool/
Simombond	-2,31983	13,6567	3028031201	http://n2t.net/ark:/65665/3e085ecc http://grbio.org/cool/
Impongui, n	1,07847	17,2927	3028031072	http://n2t.net/ark:/65665/3dd11bb http://grbio.org/cool/
Simombond	-2,31983	13,6567	3028025411	http://n2t.net/ark:/65665/3ae27d8 http://grbio.org/cool/
Simombond	-2,322	13,6593	3028011612	http://n2t.net/ark:/65665/3961628 http://grbio.org/cool/
Simombond	-2,32167	13,6592	3028007899	http://n2t.net/ark:/65665/38393a5 http://grbio.org/cool/
Gamba, 87 k	-3,23764	10,6109	3028005362	http://n2t.net/ark:/65665/3744bf3 http://grbio.org/cool/
Simombond	-2,31983	13,6567	3028005300	http://n2t.net/ark:/65665/38e3820 http://grbio.org/cool/
Impongui, n	1,07847	17,2927	3027995876	http://n2t.net/ark:/65665/3669204 http://grbio.org/cool/
Simombond	-2,322	13,6593	3027993528	http://n2t.net/ark:/65665/35c79cd http://grbio.org/cool/
Simombond	-2,322	13,6593	3027988931	http://n2t.net/ark:/65665/3666a59 http://grbio.org/cool/
Simombond	-2,3258	13,6568	3027983318	http://n2t.net/ark:/65665/338fab91 http://grbio.org/cool/
Simombond	-2,322	13,6593	3027971756	http://n2t.net/ark:/65665/3289318 http://grbio.org/cool/
Gamba, 87 k	-3,23764	10,6109	3027970931	http://n2t.net/ark:/65665/32f677d8 http://grbio.org/cool/
Impongui, n	1,07847	17,2927	3027968554	http://n2t.net/ark:/65665/3241a66 http://grbio.org/cool/
Simombond	-2,322	13,6593	3027967783	http://n2t.net/ark:/65665/30d4c79 http://grbio.org/cool/
Impongui, n	1,07847	17,2927	3027965240	http://n2t.net/ark:/65665/31b41f95 http://grbio.org/cool/
Simombond	-2,322	13,6593	3027958443	http://n2t.net/ark:/65665/303d1efc http://grbio.org/cool/
Bioko Island	3,52775	8,57939	2426945788	http://n2t.net/ark:/65665/3d84996 http://biocol.org/urn:l
Bioko Island	3,52775	8,57939	2426930658	http://n2t.net/ark:/65665/3a02dc3 http://biocol.org/urn:l
Bioko Island	3,52775	8,57939	2426899562	http://n2t.net/ark:/65665/3aa1c0c2 http://biocol.org/urn:l
Bioko Island	3,52775	8,57939	2426898706	http://n2t.net/ark:/65665/3de6947 http://biocol.org/urn:l
Bioko Island	3,52775	8,57939	2426856533	http://n2t.net/ark:/65665/39d534a http://biocol.org/urn:l
Bioko Island	3,52775	8,57939	2426834045	http://n2t.net/ark:/65665/32cc2c1c http://biocol.org/urn:l
Republic of	1,08	17,29	2310813693	KY080416
Republic of	-2,32	13,66	2310190601	KY080411
Republic of	-2,32	13,66	2310083641	KY080412
Republic of	-2,32	13,66	2310070707	KY080409
Gabon:Nyan	-3,24	10,61	2309700518	KY080413
Republic of	-2,32	13,66	2308793010	KY079883
Republic of	-2,32	13,66	2308682781	KY080410
Republic of	1,08	17,29	2308558175	KY080415
Republic of	1,08	17,29	2308431647	KY080414
Republic of	1,08	17,29	2307928181	KY079888
Republic of	-2,32	13,66	2306907458	KY079881
Republic of	-2,32	13,66	2306711989	KY079880
Republic of	1,08	17,29	2306233997	KY079887
Republic of	-2,32	13,66	2305952765	KY079882
Gabon:Nyan	-3,24	10,61	2305230108	KY079885
Republic of	-2,32	13,66	2305127979	KY079884
Republic of	1,08	17,29	2304414163	KY079886
Simombond	-2,31983	13,6567	1322721169	http://n2t.net/ark:/65665/3f42413 http://biocol.org/urn:l
Simombond	-2,322	13,6593	1322121908	http://n2t.net/ark:/65665/3d9a1ab http://biocol.org/urn:l
Simombond	-2,31983	13,6567	1322078136	http://n2t.net/ark:/65665/3d7b4f5 http://biocol.org/urn:l
Simombond	-2,32167	13,6592	1321979876	http://n2t.net/ark:/65665/3d3571d http://biocol.org/urn:l

Simombond	-2,322	13,6593	1321946391	http://n2t.net/ark:/65665/3d1da24	http://biocol.org/urn:l
Simombond	-2,3258	13,6568	1321876732	http://n2t.net/ark:/65665/3cec2f11	http://biocol.org/urn:l
Simombond	-2,322	13,6593	1321498547	http://n2t.net/ark:/65665/3bdf95f7	http://biocol.org/urn:l
Simombond	-2,32167	13,6592	1321352283	http://n2t.net/ark:/65665/3b78b08	http://biocol.org/urn:l
Impongui, n	1,07847	17,2927	1321348651	http://n2t.net/ark:/65665/3b76219	http://biocol.org/urn:l
Simombond	-2,3258	13,6568	1321228682	http://n2t.net/ark:/65665/3b21021	http://biocol.org/urn:l
Simombond	-2,32167	13,6592	1320750200	http://n2t.net/ark:/65665/39cee52c	http://biocol.org/urn:l
Simombond	-2,32167	13,6592	1320075052	http://n2t.net/ark:/65665/37f0d4cc	http://biocol.org/urn:l
Simombond	-2,322	13,6593	1319647892	http://n2t.net/ark:/65665/36c29c08	http://biocol.org/urn:l
Impongui, n	1,07847	17,2927	1319584329	http://n2t.net/ark:/65665/3695a01(	http://biocol.org/urn:l
Impongui, n	1,07847	17,2927	1319135495	http://n2t.net/ark:/65665/3557eca9	http://biocol.org/urn:l
Simombond	-2,322	13,6593	1318883367	http://n2t.net/ark:/65665/34a541d	http://biocol.org/urn:l
Simombond	-2,31983	13,6567	1318719831	http://n2t.net/ark:/65665/3431ac0(	http://biocol.org/urn:l
Simombond	-2,322	13,6593	1318591469	http://n2t.net/ark:/65665/33d6ebb(	http://biocol.org/urn:l
Simombond	-2,31983	13,6567	1318191932	http://n2t.net/ark:/65665/32bc029	http://biocol.org/urn:l
Simombond	-2,31983	13,6567	1317943339	http://n2t.net/ark:/65665/320c04f7	http://biocol.org/urn:l
Gamba, 87 k	-3,23764	10,6109	1317752777	http://n2t.net/ark:/65665/31853ee5	http://biocol.org/urn:l
Simombond	-2,3258	13,6568	1317321385	http://n2t.net/ark:/65665/3054240	http://biocol.org/urn:l
Arena Blanc	3,525767	8,5809	1211003627	urn:catalog:CAS:HERP:259185	CAS
Arena Blanc	3,525767	8,5809	1211003620	urn:catalog:CAS:HERP:259183	CAS
Arena Blanc	3,525767	8,5809	1211003619	urn:catalog:CAS:HERP:259182	CAS
Arena Blanc	3,525767	8,5809	1211003614	urn:catalog:CAS:HERP:259184	CAS
Arena Blanc	3,52775	8,579389	543560895	urn:catalog:CAS:HERP:207770	CAS
Arena Blanc	3,52775	8,579389	543560893	urn:catalog:CAS:HERP:207769	CAS
Arena Blanc	3,52775	8,579389	543560892	urn:catalog:CAS:HERP:207768	CAS
Arena Blanc	3,52775	8,579389	543560891	urn:catalog:CAS:HERP:207767	CAS
Arena Blanc	3,52775	8,579389	543560890	urn:catalog:CAS:HERP:207766	CAS
Arena Blanc	3,52775	8,579389	543560889	urn:catalog:CAS:HERP:207765	CAS
Comedor	3,337517	8,58725	699101861	MCZ:Herp:A-148177	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101860	MCZ:Herp:A-148175	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101859	MCZ:Herp:A-148172	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101858	MCZ:Herp:A-148171	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101857	MCZ:Herp:A-148169	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101856	MCZ:Herp:A-148168	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101855	MCZ:Herp:A-148167	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101854	MCZ:Herp:A-148170	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101853	MCZ:Herp:A-148165	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101850	MCZ:Herp:A-148176	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101849	MCZ:Herp:A-148174	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101848	MCZ:Herp:A-148173	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101847	MCZ:Herp:A-148166	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101846	MCZ:Herp:A-148161	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101844	MCZ:Herp:A-148164	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101843	MCZ:Herp:A-148163	b4640710-8e03-11d8·
Comedor	3,337517	8,58725	699101842	MCZ:Herp:A-148162	b4640710-8e03-11d8·

Comedor	3,337517	8,58725	699101828	MCZ:Herp:A-148178	b4640710-8e03-11d8-
Tadou, Cam	8,7	13,9833	614874081		
Tadou, Cam	8,7	13,9833	614874080		
Tadou, Cam	8,7	13,9833	614874078		
Ber, Nord, C	7,8167	14,9833	614873988		
Ber, Nord, C	7,8167	14,9833	614873986		
Ber, Nord, C	7,8167	14,9833	614873983		
Ber, Nord, C	7,8167	14,9833	614873981		
Manengouba	5,027778	9,818056	476578160	MCZ:Herp:A-138015	b4640710-8e03-11d8-
Impongui, n	1,07847	17,2927	3028033055	http://n2t.net/ark:/65665/3dcbab3	http://grbio.org/cool/1
Impongui, n	1,07847	17,2927	3028011745	http://n2t.net/ark:/65665/39a6238	http://grbio.org/cool/1
Impongui, n	1,07847	17,2927	3027965568	http://n2t.net/ark:/65665/30707d7	http://grbio.org/cool/1
Republic of	1,08	17,29	2311048446	KY079890	
Republic of	1,08	17,29	2308076324	KY080418	
Impongui, n	1,07847	17,2927	1319188044	http://n2t.net/ark:/65665/357d909	http://biocol.org/urn:l
Bioko Islanc	3,52775	8,57939	2426939509	http://n2t.net/ark:/65665/368effea	http://biocol.org/urn:l
Bioko Islanc	3,71106	8,66664	2426936414	http://n2t.net/ark:/65665/34cb7d5	http://biocol.org/urn:l
Bioko Islanc	3,52775	8,57939	2426931831	http://n2t.net/ark:/65665/3e73d84	http://biocol.org/urn:l
Bioko Islanc	3,52006	8,58594	2426913590	http://n2t.net/ark:/65665/38923e1	http://biocol.org/urn:l
Bioko Islanc	3,52775	8,57939	2426904770	http://n2t.net/ark:/65665/3c87dd3	http://biocol.org/urn:l
Bioko Islanc	3,52006	8,58594	2426903421	http://n2t.net/ark:/65665/34c72fa9	http://biocol.org/urn:l
Bioko Islanc	3,71106	8,66664	2426898388	http://n2t.net/ark:/65665/36bcf81c	http://biocol.org/urn:l
Bioko Islanc	3,71106	8,66664	2426888671	http://n2t.net/ark:/65665/3c7e684	http://biocol.org/urn:l
Bioko Islanc	3,52006	8,58594	2426877376	http://n2t.net/ark:/65665/36091ef	http://biocol.org/urn:l
Bioko Islanc	3,52006	8,58594	2426872400	http://n2t.net/ark:/65665/36a5c131	http://biocol.org/urn:l
Bioko Islanc	3,52775	8,57939	2426872384	http://n2t.net/ark:/65665/36291c2	http://biocol.org/urn:l
Bioko Islanc	3,52775	8,57939	2426866334	http://n2t.net/ark:/65665/353d775	http://biocol.org/urn:l
Bioko Islanc	3,71106	8,66664	2426858475	http://n2t.net/ark:/65665/385c31fc	http://biocol.org/urn:l
Bioko Islanc	3,52006	8,58594	2426832619	http://n2t.net/ark:/65665/327b9e1	http://biocol.org/urn:l
Bioko Islanc	3,71106	8,66664	2426830699	http://n2t.net/ark:/65665/320dbab	http://biocol.org/urn:l
Bioko Islanc	3,52006	8,58594	2426824872	http://n2t.net/ark:/65665/30be19d	http://biocol.org/urn:l
Bioko Islanc	3,52775	8,57939	2426823563	http://n2t.net/ark:/65665/30709e3	http://biocol.org/urn:l
	4,140068	9,083282	2397460928	17404077	
Arena Blanc	3,525767	8,5809	1211003634	urn:catalog:CAS:HERP:259187	CAS
Arena Blanc	3,525767	8,5809	1211003623	urn:catalog:CAS:HERP:259186	CAS
Arena Blanc	3,525767	8,5809	1211003613	urn:catalog:CAS:HERP:259188	CAS
Arena Blanc	3,52775	8,579389	543560888	urn:catalog:CAS:HERP:207764	CAS
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East (~5 km)	6,548617	10,759983	699101262	MCZ:Herp:A-148095	b4640710-8e03-11d8-
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Elak Oku vil	6,242778	10,500833	476578162	MCZ:Herp:A-138017	b4640710-8e03-11d8-
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Bioko Island	3,52006	8,58594	2426900521	http://n2t.net/ark:/65665/36d8bbf	http://biocol.org/urn:l
Bioko Island	3,52006	8,58594	2426876766	http://n2t.net/ark:/65665/3ed6154	http://biocol.org/urn:l
Bioko Island	3,52006	8,58594	2426871399	http://n2t.net/ark:/65665/36a0a99	http://biocol.org/urn:l
Bioko Island	3,52006	8,58594	2426865418	http://n2t.net/ark:/65665/3705d0d	http://biocol.org/urn:l
Bioko Island	3,52006	8,58594	2426854721	http://n2t.net/ark:/65665/3daee01	http://biocol.org/urn:l
Bioko Island	3,52006	8,58594	2426850398	http://n2t.net/ark:/65665/36d63c6	http://biocol.org/urn:l
Bioko Island	3,52006	8,58594	2426846800	http://n2t.net/ark:/65665/33a2020	http://biocol.org/urn:l
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Bioko Island	3,52006	8,58594	2426822470	http://n2t.net/ark:/65665/3030277	http://biocol.org/urn:l
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Dikome-Balu	4,9287	9,2443	1309944643	a6937a13-d0a1-4b00-b05c-46d5d8	http://grbio.org/cool/
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	-2,344167	9,636667	3025961272	https://darwin.naturalsciences.be/u	https://www.wikidata
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Gbele North	10,11209	-2,45986	1337840848	MCZ:Herp:A-150784	b4640710-8e03-11d8·
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Pumilo	10,05522	-2,03229	1337840841	MCZ:Herp:A-150766	b4640710-8e03-11d8·
Gbele North	10,11209	-2,45986	1337840839	MCZ:Herp:A-150782	b4640710-8e03-11d8·
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Gbele North	10,11209	-2,45986	1337840829	MCZ:Herp:A-150774	b4640710-8e03-11d8·
Gbele North	10,11209	-2,45986	1337840827	MCZ:Herp:A-150772	b4640710-8e03-11d8·
near GBELE	10,87479	-2,27185	1337840825	MCZ:Herp:A-150748	b4640710-8e03-11d8·
Gbele North	10,11209	-2,45986	1337840824	MCZ:Herp:A-150776	b4640710-8e03-11d8·
near GBELE	10,87479	-2,27185	1337840822	MCZ:Herp:A-150746	b4640710-8e03-11d8·
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Gbele North	10,11209	-2,45986	1337840818	MCZ:Herp:A-150778	b4640710-8e03-11d8·
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Gbele North	10,11209	-2,45986	1337840815	MCZ:Herp:A-150777	b4640710-8e03-11d8·
Pumilo	10,05522	-2,03229	1337840814	MCZ:Herp:A-150761	b4640710-8e03-11d8·
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near GBELE	10,87479	-2,27185	1337840807	MCZ:Herp:A-150743	b4640710-8e03-11d8·
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near GBELE	10,87479	-2,27185	1337840796	MCZ:Herp:A-150742	b4640710-8e03-11d8·
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Dikome Bal	4,9167	9,25	1057378455	3348906	
N. Bonenza,	4,05	9,0833	1056131485	3348904	
N. of Bonen	4,0667	9,1	1055808743	3348908	
Balaoungao	5,204317	10,4289	699101696	MCZ:Herp:A-148064	b4640710-8e03-11d8·
East (~5 km	6,548617	10,759983	699101656	MCZ:Herp:A-148099	b4640710-8e03-11d8·
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Massaka, Su	4,6986	9,2928	614874509		
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Kiandjo	-3,3726	28,6431	2234844078	http://arctos.database.museum/gui	UTEP
Miki vicinit	-3,3674	28,69	2234843930	http://arctos.database.museum/gui	UTEP
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Miki	-3,36858	28,69506	1989715584	MCZ:Cryo:8588	b4640710-8e03-11d8·
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Nkoteng sub	4,61155	12,225417	699101718	MCZ:Herp:A-148036	b4640710-8e03-11d8·
Balaoungao	5,204317	10,4289	699101712	MCZ:Herp:A-148059	b4640710-8e03-11d8·

Nuon Divisi	5,5703	10,609733	699101698	MCZ:Herp:A-148066	b4640710-8e03-11d8·
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Balaoungao	5,204317	10,4289	699101695	MCZ:Herp:A-148062	b4640710-8e03-11d8·
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Balaoungao	5,204317	10,4289	699101651	MCZ:Herp:A-148060	b4640710-8e03-11d8·
Balaoungao	5,204317	10,4289	699101647	MCZ:Herp:A-148063	b4640710-8e03-11d8·
Lower Bafut	6,175283	10,074567	699101627	MCZ:Herp:A-148109	b4640710-8e03-11d8·
Lower Bafut	6,175283	10,074567	699101626	MCZ:Herp:A-148108	b4640710-8e03-11d8·
Lower Bafut	6,175283	10,074567	699101625	MCZ:Herp:A-148107	b4640710-8e03-11d8·
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Lina	1,985567	30,861267	476802165	MCZ:Herp:A-140078	b4640710-8e03-11d8·
Aboro East	2,00885	30,834683	476771049	MCZ:Herp:A-140092	b4640710-8e03-11d8·
Aboro East	2,00885	30,834683	476771048	MCZ:Herp:A-140091	b4640710-8e03-11d8·
Aboro East	2,00885	30,834683	476770951	MCZ:Herp:A-140090	b4640710-8e03-11d8·
Emilio	1,985567	30,861267	476770949	MCZ:Herp:A-140111	b4640710-8e03-11d8·
Emilio	1,985567	30,861267	476770948	MCZ:Herp:A-140110	b4640710-8e03-11d8·
Emilio	1,985567	30,861267	476770947	MCZ:Herp:A-140109	b4640710-8e03-11d8·
Emilio	1,985567	30,861267	476770946	MCZ:Herp:A-140108	b4640710-8e03-11d8·
Ngonseneyu	1,985117	30,81185	476770848	MCZ:Herp:A-139854	b4640710-8e03-11d8·
Aboro West	2,016433	30,831067	476770847	MCZ:Herp:A-139853	b4640710-8e03-11d8·
Djaibu	2,001117	30,829517	476770754	MCZ:Herp:A-140104	b4640710-8e03-11d8·
Lina	1,916667	30,5	476770753	MCZ:Herp:A-140103	b4640710-8e03-11d8·
Lina	1,916667	30,5	476770752	MCZ:Herp:A-140102	b4640710-8e03-11d8·
Ngensengeyu	1,985117	30,81185	476770751	MCZ:Herp:A-140087	b4640710-8e03-11d8·
Aboro West	2,016433	30,831067	476770750	MCZ:Herp:A-140086	b4640710-8e03-11d8·
Aboro West	2,016433	30,831067	476770749	MCZ:Herp:A-140085	b4640710-8e03-11d8·
Lina	1,916667	30,5	476770651	MCZ:Herp:A-140099	b4640710-8e03-11d8·
Lina	1,985567	30,861267	476770650	MCZ:Herp:A-140080	b4640710-8e03-11d8·
Lina	1,916667	30,5	476770550	MCZ:Herp:A-140101	b4640710-8e03-11d8·
Aboro West	2,016433	30,831067	476770549	MCZ:Herp:A-140084	b4640710-8e03-11d8·

Aboro West	2,016433	30,831067	476770548	MCZ:Herp:A-140083	b4640710-8e03-11d8·
Lina	1,985567	30,861267	476770547	MCZ:Herp:A-140082	b4640710-8e03-11d8·
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Shotumu	1,916667	30,5	476762710	MCZ:Herp:A-140088	b4640710-8e03-11d8·
Jiba Town/V	1,868767	30,695933	476540774	MCZ:Herp:A-140168	b4640710-8e03-11d8·
Tchulu Tow	1,945767	30,7719	476537922	MCZ:Herp:A-140170	b4640710-8e03-11d8·
Jiba Town/V	1,868767	30,695933	476525062	MCZ:Herp:A-139855	b4640710-8e03-11d8·
Goki Village	1,860417	30,688033	476522718	MCZ:Herp:A-140165	b4640710-8e03-11d8·
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Djugu Territ	1,8606	30,689783	476514942	MCZ:Herp:A-140162	b4640710-8e03-11d8·
Djugu Territ	1,8606	30,689783	476508988	MCZ:Herp:A-140163	b4640710-8e03-11d8·
Tchulu Tow	1,945767	30,7719	476508877	MCZ:Herp:A-140169	b4640710-8e03-11d8·
Goki Village	1,860417	30,688033	476508864	MCZ:Herp:A-139856	b4640710-8e03-11d8·
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Ituri forest	2,19766	30,11468	2027456224	659ed15f83f46ed12fb8bf7844b5d4ce91d7a04f	
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Gabon:Ogoo	-2,79	10,06	2309696688	KY080428
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Bombo-Lum	-4,41891	16,04641	2234847311	http://arctos.database.museum/gui UTEP
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Loufika Bas	-4,711028	12,275	1837125301	e7f44bdb-bee3-4c6f-b175-f4043adf834e
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Loufika Bas	-4,711028	12,275	1837125269	d8657cc3-5927-48fc-a317-f5e59ec5ae90
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	-2,34	9,595278	3025632441	https://darwin.naturalsciences.be/u https://www.wikidata

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Dikome-Bal	4,9287	9,2443	1309944683	5fe764c2-7722-493b-a1ab-750deb	http://grbio.org/cool/
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Mebam, con	2,6106	14,0234	890182752	urn:catalog:CAS:HERP:253368	CAS
Mebam, con	2,6106	14,0234	890182748	urn:catalog:CAS:HERP:253367	CAS
Mebam, con	2,6106	14,0234	890182745	urn:catalog:CAS:HERP:253366	CAS
Doumzok, c	2,6445	14,03115	890182720	urn:catalog:CAS:HERP:253333	CAS
Doumzok, c	2,6445	14,03115	890182718	urn:catalog:CAS:HERP:253332	CAS
Balaoungao,	5,204317	10,4289	543607811	urn:catalog:CAS:HERP:249996	CAS
pond on Tra	4,61155	12,225417	543607776	urn:catalog:CAS:HERP:249964	CAS
old rd' W of	3,793083	11,41695	543607773	urn:catalog:CAS:HERP:249961	CAS
Avundi: 35	3,133889	10,9305	543500703	urn:catalog:CAS:HERP:153598	CAS
Avundi: 35	3,133889	10,9305	543500702	urn:catalog:CAS:HERP:153597	CAS
Avundi: 35	3,133889	10,9305	543500701	urn:catalog:CAS:HERP:153596	CAS
Avundi: 35	3,133889	10,9305	543500700	urn:catalog:CAS:HERP:153595	CAS

Avundi: 35 l	3,133889	10,9305	543500699	urn:catalog:CAS:HERP:153594	CAS
Avundi: 35 l	3,133889	10,9305	543500698	urn:catalog:CAS:HERP:153593	CAS
Avundi: 35 l	3,133889	10,9305	543500697	urn:catalog:CAS:HERP:153592	CAS
Avundi: 35 l	3,133889	10,9305	543500696	urn:catalog:CAS:HERP:153591	CAS
Avundi: 35 l	3,133889	10,9305	543500695	urn:catalog:CAS:HERP:153590	CAS
Avundi: 35 l	3,133889	10,9305	543500693	urn:catalog:CAS:HERP:153589	CAS
Avundi: 35 l	3,133889	10,9305	543500692	urn:catalog:CAS:HERP:153588	CAS
Avundi: 35 l	3,133889	10,9305	543500691	urn:catalog:CAS:HERP:153587	CAS
Avundi: 35 l	3,133889	10,9305	543500690	urn:catalog:CAS:HERP:153586	CAS
Avundi: 35 l	3,133889	10,9305	543500689	urn:catalog:CAS:HERP:153585	CAS
Avundi: 35 l	3,133889	10,9305	543500688	urn:catalog:CAS:HERP:153584	CAS
Avundi: 35 l	3,133889	10,9305	543500687	urn:catalog:CAS:HERP:153583	CAS
Avundi: 35 l	3,133889	10,9305	543500686	urn:catalog:CAS:HERP:153582	CAS
Avundi: 35 l	3,133889	10,9305	543500685	urn:catalog:CAS:HERP:153581	CAS
Old Douala l	3,793083	11,41695	699101704	MCZ:Herp:A-148032	b4640710-8e03-11d8·
Old Douala l	3,793083	11,41695	699101692	MCZ:Herp:A-148034	b4640710-8e03-11d8·
Old Douala l	3,793083	11,41695	699101691	MCZ:Herp:A-148033	b4640710-8e03-11d8·
Old Douala l	3,793083	11,41695	699101682	MCZ:Herp:A-148031	b4640710-8e03-11d8·
Old Douala l	3,793083	11,41695	699101681	MCZ:Herp:A-148029	b4640710-8e03-11d8·
Old Douala l	3,793083	11,41695	699101680	MCZ:Herp:A-148028	b4640710-8e03-11d8·
Old Douala l	3,793083	11,41695	699101676	MCZ:Herp:A-148027	b4640710-8e03-11d8·
Old Douala l	3,793083	11,41695	699101645	MCZ:Herp:A-148030	b4640710-8e03-11d8·

recorded By	Source
Ernst, Raffael	GBIF
Ernst, Raffael	GBIF
Ernst, Raffael	GBIF
Raffael Ernst	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
DÃ©rozier Violette	GBIF
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Schioetz, A.	GBIF
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Schioetz, A.	GBIF
Schioetz, A.	GBIF
Johannes Penner	GBIF
Collector : Franck Masudi	GBIF
Collector : Aristote	GBIF
Collector : Gabriel Badjedjea	GBIF
Johannes Penner	GBIF
Johannes Penner	GBIF
Johannes Penner	GBIF
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l42r-0w94	GBIF
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l42r-0w94	GBIF
irida73ceae	GBIF
Mathias D'haen	GBIF
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sid:biocol.org:col:34871	GBIF
phrogbecker	GBIF

Kate Jackson & students	GBIF
Local Collectors	GBIF
Kate Jackson & students	GBIF
Local Collectors	GBIF
Kate Jackson & students	GBIF
Kate Jackson & students	GBIF
Local Collectors	GBIF
Local Collectors	GBIF
Local Collectors	GBIF
Local Collectors	GBIF
Kate Jackson & students	GBIF
Kate Jackson & students	GBIF
Local Collectors	GBIF
Local Collectors	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Bryan L. Stuart; Rayna Bell	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell	GBIF
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Ben J. Evans	GBIF
Ben J. Evans	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
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Collector(s): Raul Diaz; Adan GBIF
Collector(s): Raul Diaz; Adan GBIF
Collector(s): Dan R. Buchhol GBIF
Collector(s): Dan R. Buchhol GBIF
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D.C. Blackburn, D.M. Portik GBIF
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D.C. Blackburn, G.F.M. Jon; GBIF
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D.M. Portik, M.T. Kouete, C GBIF
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Greenbaum, Eli; Carr, John; l	GBIF
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Bryan L. Stuart, Rayna C. B	GBIF
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Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
M.T. Kouete	GBIF
M.T. Kouete	GBIF
M.T. Kouete	GBIF

Kate Jackson	GBIF
Collector : Wandege	GBIF
Collector : Wandege	GBIF
Collector : Wandege	GBIF
Dorse C.; Gibbs D.	GBIF
Dorse C.; Gibbs D.	GBIF
M.T. Kouete	GBIF
M.T. Kouete	GBIF
T.J. Papenfuss	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
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Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Alex Krohn	GBIF
osoandino	GBIF
Scott Loarie	GBIF
Collector(s): Adam D. Leache	GBIF
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Annika Hillers	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Raffael Ernst	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Marius Burger	GBIF
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L.J. Welton and K.E. Allen	GBIF
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L.J. Welton, K.E. Allen and	GBIF
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Welton, Luke; Allen, Kaitlin	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF

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Bryan L. Stuart; Rayna Bell;	GBIF
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Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
M.T. Kouete	GBIF
M.T. Kouete	GBIF
M.T. Kouete	GBIF
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Jongsma, GFM; Kaya, AGB;	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF

Collector(s): Dan R. Buchhol	GBIF
Collector(s): Dan R. Buchhol	GBIF
Collector(s): Dan R. Buchhol	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
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D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
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B.J. Evans and D.M. Portik	GBIF
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B.J. Evans and D.M. Portik	GBIF
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L.G. Henwood and J.V. Vind GBIF
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Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Ben J. Evans, Daniel M. Port	GBIF
Ben J. Evans, Daniel M. Port	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
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David C. Blackburn, Joseph I	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Mark-Oliver Rodel	GBIF
Dr Anh Galat-Luong	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF
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Anton A. Leenders	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector (s) : Muhindo	GBIF
Collector (s) : Muhindo	GBIF
Collector (s) : Muhindo	GBIF
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Collector (s) : Muhindo	GBIF
Collector (s) : Franck Masudi	GBIF
Collector (s) : Muhindo	GBIF
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Collector (s) : Franck Masudi	GBIF
Collector (s) : Franck Masudi	GBIF
Collector : Gaby	GBIF
Collector : Franck	GBIF
Collector : Gaby	GBIF
Chris Quirin	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
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Kate Jackson	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
Collector (s) : Wandege, Eli (	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
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Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Breda M. Zimkus, Joanna G.	GBIF
Johannes Penner	GBIF
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G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
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akn-125z	GBIF
Collector(s): Dan R. Buchhol	GBIF
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Bangoura, M. A.	GBIF
Bangoura, M. A.	GBIF
Marius Burger	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Collector Unknown	GBIF
Collector Unknown	GBIF
Collector Unknown	GBIF
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Collector Unknown	GBIF
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Kate Jackson	GBIF
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Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
markusgmeiner	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
Jorge O. de Leon Cardozo	GBIF
Joanna G. Larson	GBIF
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D.C. Blackburn, R.M. Brown	GBIF
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D.C. Blackburn, R.M. Brown	GBIF
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D.C. Blackburn, R.M. Brown	GBIF
D.C. Blackburn, R.M. Brown	GBIF
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Brown, Rafe	GBIF
Brown, Rafe	GBIF
Brown, Rafe	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
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G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
Jorge O. de Leon Cardozo	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
B.J. Evans and D.M. Portik	GBIF
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T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
T.R. Roberts	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Annika Hillers	GBIF
Raffael Ernst	GBIF
Mark-Oliver Rodel	GBIF
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Jessica DEICHMANN	GBIF
Axel LITONA	GBIF
Jessica DEICHMANN	GBIF
Axel LITONA	GBIF
Elie TOBI	GBIF
Axel LITONA	GBIF
Kate Jackson	GBIF
Elie TOBI	GBIF
Elie TOBI	GBIF
Axel LITONA	GBIF
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Kate Jackson	GBIF
Axel LITONA	GBIF
Elie TOBI	GBIF
Jean Eric MAKAYA	GBIF
Jean Eric MAKAYA	GBIF
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akn-125z	GBIF
Anton A. Leenders	GBIF
Collector (s) : Gabriel Badjed	GBIF
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Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Muhindo	GBIF
Joanna G. Larson	GBIF
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S Stuart	GBIF
M E. Dyer	GBIF
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H McLeod	GBIF
M E. Dyer	GBIF
M Fedden	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
David C. Blackburn, Joseph I	GBIF
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H.E. Robeck	GBIF
T.J. Papenfuss	GBIF
Collector(s): Theodore J. Pap	GBIF
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Collector(s): Adam D. Leache	GBIF

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Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
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Collector(s): Raul Diaz; Adan	GBIF
	Ernst et al., 2008
	Plath et al. 2006
David C. Blackburn	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn	GBIF
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
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Allen, Katie; Tapondjou, Wal	GBIF
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Brown, Rafe	GBIF
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	Marques et al., 2018
G.F.M. Jongsma, A.G.B. Ka	GBIF
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Lennart Hudel	GBIF
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Axel LITONA	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Collector Unknown	GBIF
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Axel LITONA	GBIF

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D.C. Blackburn, R.M. Brown	GBIF
D.C. Blackburn, R.M. Brown	GBIF
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Jongsma, GFM; Kaya, AGB;	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
Brian T. Roach	GBIF
Jorge O. de Leon Cardozo	GBIF
Anton A. Leenders	GBIF
Jorge O. de Leon Cardozo	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
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H.E. Robeck	GBIF
Jacobsen, N.	GBIF
Collector (s) : Franck Masudi	GBIF
Collector (s) : Muhindo	GBIF
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Joanna G. Larson	GBIF
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Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
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Joanna G. Larson	GBIF
Breda M. Zimkus, Joanna G.	GBIF
Breda M. Zimkus, Joanna G.	GBIF
Breda M. Zimkus, Joanna G.	GBIF
Breda M. Zimkus, Joanna G.	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
David C. Blackburn	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
M E. Dyer	GBIF
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Marius Burger	GBIF
Axel LITONA	GBIF
Jean Eric MAKAYA	GBIF
Jean Eric MAKAYA	GBIF
Axel LITONA	GBIF
Jean Eric MAKAYA	GBIF
Jean Eric MAKAYA	GBIF
Jean Eric MAKAYA	GBIF
Axel LITONA	GBIF
Axel LITONA	GBIF
Jean Eric MAKAYA	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF

Allen, Katie; Tapondjou, Wal	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
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Nathan H. Rice, Kristof Zysk	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
H.E. Robeck	GBIF
H.E. Robeck	GBIF
142r-0w94	GBIF
Paul Freed	GBIF
congonaturalist	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF
Katarzyna Nowak	GBIF
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akn-125z	GBIF
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Welton, Luke	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
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L.G. Henwood and J.V. Vind	GBIF
R.C. Drewes, L.G. Henwood	GBIF
L.G. Henwood and J.V. Vind	GBIF
R.C. Drewes, L.G. Henwood	GBIF
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L.G. Henwood and J.V. Vind	GBIF
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R.C. Drewes, L.G. Henwood	GBIF
H.E. Robeck	GBIF
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H.E. Robeck	GBIF
H.E. Robeck	GBIF
H.E. Robeck	GBIF
H.E. Robeck	GBIF
M.E. Gadd	GBIF
M.E. Gadd	GBIF
Leache, Adam; Leache, Anne;	GBIF
Leache, Adam; Leache, Anne;	GBIF
Leache, Adam; Leache, Anne;	GBIF
Collector (s) : Muhindo	GBIF

Collector (s) : Muhindo	GBIF
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Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
H McLeod	GBIF
M E. Dyer	GBIF
M E. Dyer	GBIF
M E. Dyer	GBIF
M E. Dyer	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
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David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
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David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF

Collector : Gabriel Badjedjea	GBIF
Collector : Franck Masudi	GBIF
Collector(s): Jerry Lea	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Jerry Lea	GBIF
Collector(s): Jerry Lea	GBIF
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Mathias D'haen	GBIF
Marius Burger	GBIF
Collector Unknown	GBIF
Collector Unknown	GBIF
Collector Unknown	GBIF
Kate Jackson	GBIF
Collector Unknown	GBIF
Collector Unknown	GBIF
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Collector Unknown	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Collector Unknown	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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Jongsma, Gregory; Bamba-Ka	GBIF

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Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Katarzyna Mikolajczak	GBIF
Katarzyna Mikolajczak	GBIF
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emjneil	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
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G.F.M. Jongsma, A.G.B. Ka	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
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Joanna G. Larson	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF
D.C. Blackburn, R.M. Brown	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
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David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
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David C. Blackburn, Joseph l	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Jonathan Newman	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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D.C. Blackburn, R.M. Brown	GBIF
D.C. Blackburn, R.M. Brown	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF
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David C. Blackburn, Joseph l	GBIF
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David C. Blackburn, Joseph l	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF

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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Annika Hillers	GBIF
Carel Jongkind	GBIF
Carel Jongkind	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Chippindale, P.	GBIF
Chippindale, P.	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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	GBIF
Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
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Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF

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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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Gonwouo, L. Nono	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
L.J. Welton, K.E. Allen and `	GBIF
Welton, Luke	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
David C. Blackburn, Kate S.	GBIF
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Kate Jackson & Local Collect	GBIF
Kate Jackson & Local Collect	GBIF
Kate Jackson & Local Collect	GBIF
Kate Jackson & Local Collect	GBIF
Kate Jackson & Local Collect	GBIF
Kate Jackson & Local Collect	GBIF
Collector(s): Eli B. Greenbau	GBIF
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G.F.M. Jongsma, A.G.B. Ka	GBIF
Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Gabriel Badjed	GBIF
Kate Jackson	GBIF
Raffael Ernst	GBIF
Colyn, Marc	GBIF
HoungbÃ©dji M.G., Dakpog	GBIF
HoungbÃ©dji M.G., Dakpog	GBIF
michelemenegon	GBIF
akn-125z	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF

Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
B.L. Stuart and R.C. Bell	GBIF
B.L. Stuart and R.C. Bell	GBIF
L.G. Henwood and J.V. Vind	GBIF
	Herrman et al., 2004
Marius Burger	GBIF
Marius Burger	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
	GBIF
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Smolensky, Nicole	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
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D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Marius Burger	GBIF
P. Brussard	GBIF
142r-0w94	GBIF
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Marius Burger	GBIF
Chris Quirin	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
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Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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Jongsma, GFM; Kaya, AGB;	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
Collector(s): Dan R. Buchhol	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
H.E. Robeck	GBIF
T.R. Roberts	GBIF
Joanna G. Larson	GBIF
David C. Blackburn, Joseph I	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
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Mathias D'haen	GBIF
Kate Jackson	GBIF
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Collector (s) : Muhindo	GBIF
Collector (s) : Muhindo	GBIF
Collector (s) : Muhindo	GBIF
Collector (s) : Muhindo	GBIF
Johannes Penner	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
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David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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Collector(s): Adam D. Leache	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
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	GBIF
Natalie Weber	GBIF
Schorr, G.	GBIF
RÃ¶del, Mark-Oliver	GBIF
Ernst, Raffael	GBIF
RÃ¶del, Mark-Oliver	GBIF
Bangoura, M. A.	GBIF
Bangoura, M. A.	GBIF
Agyei, A.C.	GBIF
Bangoura, M. A.	GBIF
D.C. Blackburn, D.M. Portik	GBIF
M E. Dyer	GBIF
M E. Dyer	GBIF
David C. Blackburn, Kate S.	GBIF

David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
Collector(s): Jerry Lea	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
Collector(s): Kusamba Chifur	GBIF
Collector(s): Kusamba Chifur	GBIF
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Collector(s): Kusamba Chifur	GBIF
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Collector(s): Kusamba Chifur	GBIF
Collector(s): Kusamba Chifur	GBIF
Collector(s): Mwenebatu M. A	GBIF
Greenbaum, Eli; Carr, John; I	GBIF
Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Mohamed Alhassane Bangou	GBIF
Mohamed Alhassane Bangou	GBIF
Mohamed Alhassane Bangou	GBIF

Mohamed Alhassane Bangoui	GBIF
Mohamed Alhassane Bangoui	GBIF
Marius Burger	GBIF
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Collector Unknown	GBIF
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Collector Unknown	GBIF
Collector Unknown	GBIF
Collector Unknown	GBIF
	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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Jongsma, Gregory; Bamba-Ka	GBIF
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Jongsma, GFM; Dixon-MacC	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixoi	GBIF
G.F.M. Jongsma, G.P. Dixoi	GBIF
G.F.M. Jongsma, G.P. Dixoi	GBIF

G.F.M. Jongsma, G.P. Dixor	GBIF
G.F.M. Jongsma, G.P. Dixor	GBIF
Collector(s): Adam D. Leache	GBIF
Anton A. Leenders	GBIF
Kristof Zyskowski	GBIF
L.G. Henwood and J.V. Vind	GBIF
H.E. Robeck	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
David C. Blackburn, Joseph I	GBIF
David C. Blackburn, Kate S.	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Collector(s): Adam D. Leache	GBIF
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Paul Freed	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
T.J. Papenfuss	GBIF
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D.M. Portik, L.A. Scheinberg	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF

Allen, Katie; Tapondjou, Wal	GBIF
Mrs. M.E. Dyer	GBIF
Mrs. M.E. Dyer	GBIF
M E. Dyer	GBIF
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Marius Burger	GBIF
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Jongsma, Gregory; Zassi-Bou	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
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M.T. Kouete	GBIF
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Collector(s): Adam D. Leache	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
Raffael Ernst	GBIF
Mark-Oliver Rodel	GBIF
Collector (s) : Wandege, Eli (	GBIF
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Jean Eric MAKAYA	GBIF
Axel LITONA	GBIF
Brian Gratwicke & Jennifer S	GBIF
Jean Eric MAKAYA	GBIF
Elie TOBI	GBIF
Elie TOBI	GBIF
Axel LITONA	GBIF
Brian Gratwicke & Jennifer S	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
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Marius Burger	GBIF
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Smolensky, Nicole	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
Breda M. Zimkus, Joanna G.	GBIF
M.E. Gadd	GBIF
M.E. Gadd	GBIF
T.J. Papenfuss	GBIF
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T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
T.R. Roberts	GBIF
Collector (s) : Wandege, Eli (	GBIF
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Collector : Franck Masudi	GBIF
Collector : Franck Masudi	GBIF
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Collector : Franck Masudi	GBIF
Collector (s) : Wandege, Eli (	GBIF
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Kate Jackson	GBIF
Kate Jackson	GBIF
Kate Jackson & Local Collect	GBIF
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Paul Freed	GBIF
Paul Freed	GBIF
Jorge O. de Leon Cardozo	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
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Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
L.J. Welton and K.E. Allen	GBIF
L.J. Welton and K.E. Allen	GBIF
L.J. Welton, K.E. Allen and	GBIF
L.J. Welton and K.E. Allen	GBIF
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Welton, Luke	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Eli B. Greenbau	GBIF
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Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
M.T. Kouete	GBIF
M.T. Kouete	GBIF
Collector(s): Dan R. Buchhol	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.M. Portik, L.A. Scheinberg	GBIF

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D.M. Portik, M.T. Kouete, C	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.C. Blackburn, G.F.M. Jong	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
Collector(s): Dan R. Buchhol	GBIF
Collector (s) : Wandege, Eli (	GBIF
Joanna G. Larson	GBIF
Breda M. Zimkus, Joanna G.	GBIF
Welton, Luke	GBIF
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Onadeko, AB	Personal collections
Smolensky, Nicole	GBIF
John P. Sullivan	GBIF
Lootens, P.	GBIF
Lootens, P.	GBIF
Schioetz, A.	GBIF
Lootens, P.	GBIF
Lootens, P.	GBIF
Lootens, P.	GBIF
Collector (s) : Wandege, Eli (	GBIF
Kate Jackson	GBIF
	GBIF
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	GBIF

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	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
akn-125z	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
L.J. Welton, K.E. Allen and `	GBIF
L.J. Welton, K.E. Allen and `	GBIF
L.J. Welton, K.E. Allen and `	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF

Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
M.T. Kouete	GBIF
Carel Jongkind	GBIF
Carel Jongkind	GBIF
Carel Jongkind	GBIF
Carel Jongkind	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Chippindale, P.	GBIF
Chippindale, P.	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mohamed Alhassane Bangou	GBIF
Mohamed Alhassane Bangou	GBIF
Mohamed Alhassane Bangou	GBIF
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Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
L.J. Welton, K.E. Allen and	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
Beat Akeret	GBIF
Beat Akeret	GBIF
Paul Freed	GBIF
Campbell G., Teichroeb J., P	GBIF
Colyn, Marc	GBIF
L.J. Welton, K.E. Allen and	GBIF
Lennart Hudel	GBIF
John Sullivan	GBIF
Allen, Katie; Tapondjou, Wal	GBIF

Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache GBIF
Collector(s): Adam D. Leache GBIF
Collector(s): Raul Diaz; Adan GBIF
Collector(s): Raul Diaz; Adan GBIF
Collector(s): Raul Diaz; Adan GBIF
Collector(s): Raul Diaz; Adan GBIF
Collector(s): Raul Diaz; Adan GBIF
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Collector(s): Dan R. Buchhol GBIF
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TJHibbitts GBIF

D.C. Blackburn, D.M. Portik GBIF
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D.M. Portik, L.A. Scheinberg GBIF
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D.M. Portik, M.T. Kouete, C GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
Raxworthy, Christopher	GBIF
Raxworthy, Christopher	GBIF
Greenbaum, Eli; Carr, John; l	GBIF
Raxworthy, Christopher	GBIF
Greenbaum, Eli; Carr, John	GBIF
Greenbaum, Eli; Carr, John; l	GBIF
Raxworthy, Christopher	GBIF
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Greenbaum, Eli; Carr, John	GBIF
Raxworthy, Christopher	GBIF
Greenbaum, Eli; Carr, John; l	GBIF
Raxworthy, Christopher	GBIF
Raxworthy, Christopher	GBIF
Leache, Adam; Leache, Anne;	GBIF
RÃ¶del, Mark-Oliver	GBIF
RÃ¶del, Mark-Oliver	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
Annika Hillers	GBIF
Mark-Oliver Rodel	GBIF
Raffael Ernst	GBIF

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Raffael Ernst	GBIF
Mark-Oliver Rodel	GBIF
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Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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3C87FFC7FF97FEB4FBDEl	GBIF
H. J. Ayoro & A. Ohler	GBIF
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
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Lotanna Micah Nneji	Current Survey
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Lotanna Micah Nneji	Current Survey
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Kusamba Chifur	GBIF
Collector(s): Eli B. Greenbau	GBIF
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Collector(s): Kusamba Chifur	GBIF
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Collector(s): Kusamba Chifur	GBIF
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Collector(s): Kusamba Chifur	GBIF
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Collector(s): Eli B. Greenbau	GBIF
Collector(s): Kusamba Chifur	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Kusamba Chifur	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Mwenebatu M.	GBIF
Collector(s): Kusamba Chifur	GBIF
Collector(s): Eli B. Greenbau	GBIF
	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF

D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Collector (s) : Wandege, Eli (	GBIF
Beat Akeret	GBIF
Beat Akeret	GBIF
Beat Akeret	GBIF
Beat Akeret	GBIF
Beat Akeret	GBIF
hounsinou	GBIF
Adedotun Ajibade	GBIF
Eric	GBIF
Campbell G., Teichroeb J., P	GBIF
Scott Loarie	GBIF
Adam Leache, Matt McElroy,	GBIF
	GBIF
	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF

Collector(s): Raul Diaz; Adan	GBIF
TJHibbitts	GBIF
TJHibbitts	GBIF
TJHibbitts	GBIF
TJHibbitts	GBIF
TJHibbitts	GBIF
TJHibbitts	GBIF
Adedotun Ajibade	GBIF
D.M. Portik, L.A. Scheinberg	GBIF
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D.C. Blackburn, D.M. Portik	GBIF
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T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
Raffael Ernst	GBIF
Raffael Ernst	GBIF
Collector(s): Dan R. Buchhol	GBIF
RÃ¶del, Mark-Oliver	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Mohamed Alhassane Bangoui	GBIF
Mohamed Alhassane Bangoui	GBIF
Mohamed Alhassane Bangoui	GBIF
Mohamed Alhassane Bangoui	GBIF
Mohamed Alhassane Bangoui	GBIF
Mark-Oliver Rodel	GBIF
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Mark-Oliver Rodel	GBIF
Colyn, Marc	GBIF
J.C. Reid	GBIF
J.C. Reid	GBIF
J.C. Reid	GBIF
J.C. Reid	GBIF
J.C. Reid	GBIF
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Beat Akeret	GBIF
Beat Akeret	GBIF
Marius Burger	GBIF
Colyn, Marc	GBIF
HoungbÃ©dji M.G., Dakpog	GBIF
deboas	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
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Collector(s): Adam D. Leache	GBIF
Jongsma, GFM; Dixon-MacC	GBIF
G.F.M. Jongsma, G.P. Dixor	GBIF
G.F.M. Jongsma, G.P. Dixor	GBIF
G.F.M. Jongsma, G.P. Dixor	GBIF
Rayna C Bell	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Edem A. Eniang	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
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Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF

Collector(s): Raul Diaz; Adan	GBIF
Collector(s): John E. Cadle	GBIF
.org/wiki/Q222297	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
RÃ¶del, Mark-Oliver	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Lotanna Micah Nneji	Current Survey
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Lotanna Micah Nneji	Current Survey
	CHANNING et al., 2013
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
Collector(s): Eli B. Greenbau	GBIF
Collector : Franck Masudi	GBIF
Collector : Franck Masudi	GBIF
Collector : Wandege	GBIF
Collector (s) : Wandege, Eli (	GBIF
Collector (s) : Wandege, Eli (	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Mwenebatu M. ⁄	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Mwenebatu M. ⁄	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Mwenebatu M. ⁄	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF

D.C. Blackburn, G.F.M. Jon;	GBIF
D.C. Blackburn, G.F.M. Jon;	GBIF
D.C. Blackburn, G.F.M. Jon;	GBIF
D.C. Blackburn, G.F.M. Jon;	GBIF
D.C. Blackburn, G.F.M. Jon;	GBIF
D.C. Blackburn, G.F.M. Jon;	GBIF
D.C. Blackburn, G.F.M. Jon;	GBIF
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D.C. Blackburn, G.F.M. Jon;	GBIF
D.C. Blackburn, G.F.M. Jon;	GBIF
D.C. Blackburn, G.F.M. Jon;	GBIF
Schioetz, A.	GBIF
Schioetz, A.	GBIF
RÃ¶del, Mark-Oliver	GBIF
Marius Burger	GBIF
Marius Burger	GBIF
Marius Burger	GBIF
Ehoarn Bidault	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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Jongsma, Gregory; Bamba-Ka	GBIF

Jongsma, Gregory; Bamba-K	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
Jongsma, GFM; Kaya, AGB;	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
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l42r-0w94	GBIF
Marius Burger	GBIF
sid:biocol.org:col:34871	GBIF
Axel LITONA	GBIF
Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Axel LITONA	GBIF
Brian Gratwicke & Jennifer S	GBIF
Elie TOBI	GBIF
Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Elie TOBI	GBIF
Elie TOBI	GBIF
Elie TOBI	GBIF
Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Elie TOBI	GBIF
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Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Elie TOBI	GBIF
Elie TOBI	GBIF
Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
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Bryan L. Stuart; Rayna Bell;	GBIF
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G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixoı	GBIF
G.F.M. Jongsma, G.P. Dixoı	GBIF
G.F.M. Jongsma, G.P. Dixoı	GBIF
G.F.M. Jongsma, G.P. Dixoı	GBIF
Rayna C Bell	GBIF
Schioetz, A.	GBIF
Schioetz, A.	GBIF
Schioetz, A.	GBIF
Schioetz, A.	GBIF
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Schioetz, A.	GBIF
Schioetz, A.	GBIF
M.E. Gadd	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Mohamed Alhassane Bangoura	GBIF
Mohamed Alhassane Bangoura	GBIF
Mohamed Alhassane Bangoura	GBIF
Mohamed Alhassane Bangoura	GBIF
Mohamed Alhassane Bangoura	GBIF
Mohamed Alhassane Bangoura	GBIF
Mohamed Alhassane Bangoura	GBIF
Mohamed Alhassane Bangoura	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
L.J. Welton and K.E. Allen	GBIF

L.J. Welton and K.E. Allen	GBIF
L.J. Welton and K.E. Allen	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
irida73ceae	GBIF
irida73ceae	GBIF
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irida73ceae	GBIF
irida73ceae	GBIF
L.J. Welton and K.E. Allen	GBIF
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L.J. Welton and K.E. Allen	GBIF
irida73ceae	GBIF
irida73ceae	GBIF
Welton, Luke; Allen, Kaitlin	GBIF
Welton, Luke; Allen, Kaitlin	GBIF
Welton, Luke; Allen, Kaitlin	GBIF
Welton, Luke; Allen, Kaitlin	GBIF
Welton, Luke; Allen, Kaitlin	GBIF
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Welton, Luke; Allen, Kaitlin	GBIF
Welton, Luke; Allen, Kaitlin	GBIF
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Welton, Luke; Allen, Kaitlin	GBIF
Collector(s): Jerry Lea	GBIF
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Collector(s): Jerry Lea	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
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Ben J. Evans, Daniel M. Port	GBIF
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Ben J. Evans, Daniel M. Port	GBIF
Lotanna Micah Nneji	Current Survey
Lotanna Micah Nneji	Current Survey
John P. Sullivan	GBIF
Schioetz, A.	GBIF
Schioetz, A.	GBIF
Schioetz, A.	GBIF
Schioetz, A.	GBIF
Schioetz, A.	GBIF
Schioetz, A.	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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B.J. Evans and D.M. Portik	GBIF
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B.J. Evans and D.M. Portik	GBIF
Beat Akeret	GBIF
Beat Akeret	GBIF
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Beat Akeret	GBIF
Campbell G., Teichroeb J., P	GBIF
Colyn, Marc	GBIF
John Sullivan	GBIF
John Sullivan	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Collector(s): Adam D. Leache	GBIF
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SÃ¨djro Gilles A. NAGO	GBIF
SÃ¨djro Gilles A. NAGO	GBIF
SÃ¨djro Gilles A. NAGO	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Raffael Ernst	GBIF
Mark-Oliver Rodel	GBIF
Ben J. Evans, Daniel M. Port	GBIF
Ben J. Evans, Daniel M. Port	GBIF

Ben J. Evans, Daniel M. Port	GBIF
Lotanna Micah Nneji	Current Survey
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SÃ¨djro Gilles A. NAGO	GBIF
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SÃ¨djro Gilles A. NAGO	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Raul Diaz; Adan	GBIF
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Collector(s): Raul Diaz; Adan	GBIF
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Collector(s): Raul Diaz; Adan	GBIF
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M.T. Kouete	GBIF
M.T. Kouete	GBIF
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Jessica DEICHMANN	GBIF
Brian Gratwicke & Jennifer S	GBIF
Jessica DEICHMANN	GBIF
Brian Gratwicke & Jennifer S	GBIF
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Brian Gratwicke & Jennifer S	GBIF
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Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Elie TOBI	GBIF

Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Elie TOBI	GBIF
Jessica DEICHMANN	GBIF
Jessica DEICHMANN	GBIF
Brian Gratwicke & Jennifer S	GBIF
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Brian Gratwicke & Jennifer S	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Kusamba Chifur	GBIF
Collector(s): Maurice Luhumy	GBIF
Collector(s): Kusamba Chifur	GBIF
Collector(s): Felix Akuku; As	GBIF
Collector(s): Eli B. Greenbau	GBIF
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Jongsma, Gregory; Bamba-Ka	GBIF
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Brian Gratwicke	GBIF
Rayna Bell; Patrick J. McLau	GBIF
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Bryan L. Stuart; Rayna Bell;	GBIF
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Rayna Bell; Patrick J. McLau	GBIF
Jongsma, GFM; Dixon-MacC	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixoı	GBIF
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G.F.M. Jongsma, G.P. Dixoı	GBIF
Rayna C Bell	GBIF
Collector(s): Dan R. Buchhol	GBIF
Collector(s): Dan R. Buchhol	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
Anton A. Leenders	GBIF
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B.L. Stuart and R.C. Bell	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
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B.J. Evans and D.M. Portik	GBIF
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J.V. Vindum	GBIF
J.V. Vindum	GBIF
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J.V. Vindum	GBIF
H.E. Robeck	GBIF
H.E. Robeck	GBIF
M.E. Gadd	GBIF
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M.E. Gadd	GBIF
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Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Franck Masudi	GBIF
Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Gabriel Badjed	GBIF
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Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Muhindo	GBIF
Collector : Gabriel Badjedjea	GBIF
Collector : Gabriel Badjedjea	GBIF
Collector : Gabriel Badjedjea	GBIF
Collector : Franck Masudi	GBIF
Collector : Franck Masudi	GBIF
Raffael Ernst	GBIF
Raffael Ernst	GBIF
Scott Loarie	GBIF
Mohamed Alhassane Bangou	GBIF
Mohamed Alhassane Bangou	GBIF
Mohamed Alhassane Bangou	GBIF
Mohamed Alhassane Bangou	GBIF
Mohamed Alhassane Bangou	GBIF
Adam Leache, Matt McElroy,	GBIF
Adam Leache, Matt McElroy,	GBIF
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Adam Leache, Matt McElroy,	GBIF
John Sullivan	GBIF
John Sullivan	GBIF
John Sullivan	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
	GBIF
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	GBIF
Mark-Oliver Rodel	GBIF
B.J. Evans and D.M. Portik	GBIF
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David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Joseph l	GBIF
Ernst, Raffael	GBIF
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Ernst, Raffael	GBIF
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David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
David C. Blackburn	GBIF
David C. Blackburn	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Gonwouo, L. Nono	GBIF
L.J. Welton, K.E. Allen and '	GBIF
L.J. Welton, K.E. Allen and '	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF

Welton, Luke	GBIF
Welton, Luke	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF
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Gonwouo, L. Nono	GBIF
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Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
D.C. Blackburn, D.M. Portik	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF

David C. Blackburn, Kate S.	GBIF
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David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
Pauwels Olivier Sylvain GÃ©	GBIF
Chimsunchart, C.	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Mwenebatu M. /	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
l42r-0w94	GBIF
l42r-0w94	GBIF
l42r-0w94	GBIF
l42r-0w94	GBIF
Paul Freed	GBIF
Richard Moore	GBIF
Mathias D'haen	GBIF
Kate Jackson	GBIF
Collector Unknown	GBIF
Kate Jackson	GBIF
Collector Unknown	GBIF
Jongsma, Gregory; Bamba-K	GBIF
M.T. Kouete	GBIF
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G.F.M. Jongsma, A.G.B. Ka	GBIF
D.M. Portik, L.A. Scheinber	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF

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D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
David C. Blackburn, Joseph l	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Johannes Penner	GBIF
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Oskar BrattstrÃ¶m	GBIF
BenJee	GBIF
Paul Freed	GBIF
Paul Freed	GBIF
Marius Burger	GBIF
BenJee	GBIF
L.J. Welton and K.E. Allen	GBIF
L.J. Welton and K.E. Allen	GBIF
L.J. Welton and K.E. Allen	GBIF
Lennart Hudel	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Jongsma, Gregory; Bamba-K	GBIF
Jongsma, Gregory; Bamba-K	GBIF
Jongsma, Gregory; Bamba-K	GBIF
M.T. Kouete	GBIF
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Welton, Luke	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF

D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
David C. Blackburn, Joseph l	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
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l42r-0w94	GBIF
Ehoarn Bidault	GBIF
Chris Quirin	GBIF
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Elie TOBI	GBIF
Kate Jackson & Local Collect	GBIF
Kate Jackson & Local Collect	GBIF
Elie TOBI	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Rayna Bell; Patrick J. McLau	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
D.C. Blackburn, R.M. Brown	GBIF
D.C. Blackburn, R.M. Brown	GBIF
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Brown, Rafe	GBIF

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G.F.M. Jongsma, G.P. Dixo	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
L.G. Henwood and J.V. Vind	GBIF
Collector (s) : Muhindo	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
P. Brussard	GBIF
David C. Blackburn, Joseph I	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Kate Jackson	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
Collector (s) : Franck Masudi	GBIF
L.J. Welton, K.E. Allen and	GBIF
L.J. Welton and K.E. Allen	GBIF
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Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Rayna Bell; Amancio Motove	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
D.C. Blackburn, R.M. Brown	GBIF
D.C. Blackburn, R.M. Brown	GBIF
D.C. Blackburn, R.M. Brown	GBIF
D.C. Blackburn, R.M. Brown	GBIF
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Welton, Luke	GBIF
Welton, Luke	GBIF
Welton, Luke	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
Collector(s): Adam D. Leache	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
L.G. Henwood and J.V. Vind	GBIF
L.G. Henwood and J.V. Vind	GBIF
R.C. Drewes, L.G. Henwood	GBIF
L.G. Henwood and J.V. Vind	GBIF
L.G. Henwood and J.V. Vind	GBIF
L.G. Henwood and J.V. Vind	GBIF

L.G. Henwood and J.V. Vind GBIF
L.G. Henwood and J.V. Vind GBIF
L.G. Henwood and J.V. Vind GBIF
R.C. Drewes, L.G. Henwood GBIF
R.C. Drewes, L.G. Henwood GBIF
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R.C. Drewes, L.G. Henwood GBIF
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R.C. Drewes, L.G. Henwood GBIF
R.C. Drewes, L.G. Henwood GBIF
R.C. Drewes, L.G. Henwood GBIF
R.C. Drewes, L.G. Henwood GBIF
R.C. Drewes, L.G. Henwood GBIF
H.E. Robeck GBIF
Collector (s) : Gabriel Badjed GBIF
Collector (s) : Gabriel Badjed GBIF
Collector (s) : Franck Masudi GBIF
Collector (s) : Franck Masudi GBIF
Collector (s) : Franck Masudi GBIF
Collector (s) : Franck Masudi GBIF
Collector (s) : Gabriel Badjed GBIF
Collector (s) : Gabriel Badjed GBIF
Collector (s) : Gabriel Badjed GBIF
Collector (s) : Gabriel Badjed GBIF
Collector (s) : Franck Masudi GBIF
Collector (s) : Gabriel Badjed GBIF
Collector (s) : Gabriel Badjed GBIF
Collector (s) : Muhindo GBIF
Collector : Gabriel Badjedjea GBIF
Collector : Gabriel Badjedjea GBIF
Collector : Gabriel Badjedjea GBIF
Collector (s) : Jeanot Akuboy GBIF
Collector (s) : Jeanot Akuboy GBIF
Collector (s) : Franck Masudi GBIF
Collector (s) : Franck Masudi GBIF
Collector (s) : Franck Masudi GBIF

Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Joseph I	GBIF
Kate Jackson	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Chippindale, P.	GBIF
Chippindale, P.	GBIF
Annika Hillers	GBIF
Raffael Ernst	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
joe_cutler	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Eli B. Greenbau	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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Jongsma, GFM; Kaya, AGB;	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
Collector (s) : Gabriel Badjed	GBIF
Collector (s) : Muhindo	GBIF
Collector (s) : Muhindo	GBIF
Collector : Wandege	GBIF
Collector : Wandege	GBIF
Collector (s) : Jeanot Akuboy	GBIF
Collector (s) : Wandege, Eli (	GBIF
David C. Blackburn, Joseph I	GBIF
David C. Blackburn, Joseph I	GBIF
Collector(s): Eli B. Greenbau	GBIF
Welton, Luke	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF

R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF
R.C. Drewes, L.G. Henwood	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
Collector(s): Maurice Luhumy	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Maurice Luhumy	GBIF
Collector(s): Maurice Luhumy	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Maurice Luhumy	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Maurice Luhumy	GBIF
Collector(s): Maurice Luhumy	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Maurice Luhumy	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Maurice Luhumy	GBIF
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Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Maurice Luhumy	GBIF

Collector(s): Maurice Luhuma	GBIF
Collector(s): Maurice Luhuma	GBIF
Collector(s): Maurice Luhuma	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Maurice Luhuma	GBIF
Collector(s): Eli B. Greenbau	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
David C. Blackburn	GBIF
David C. Blackburn	GBIF
David C. Blackburn	GBIF
David C. Blackburn	GBIF
Alex Krohn	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Chippindale, P.	GBIF
Chippindale, P.	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Scott Loarie	GBIF
Annika Hillers	GBIF
Raffael Ernst	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF

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l42r-0w94	GBIF
l42r-0w94	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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Jongsma, Gregory; Zassi-Bou	GBIF
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Jongsma, Gregory; Zassi-Bou	GBIF
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Jongsma, GFM; Kaya, AGB;	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
Anton A. Leenders	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
Collector (s) : Franck Masudi	GBIF
Collector (s) : Franck Masudi	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
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Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
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Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Johannes Penner	GBIF
Schioetz, A.	GBIF

Schioetz, A.	GBIF
Schioetz, A.	GBIF
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Schioetz, A.	GBIF
Schioetz, A.	GBIF
D.C. Blackburn, R.M. Brow	GBIF
D.C. Blackburn, R.M. Brow	GBIF
Lotanna Micah Nneji	GBIF
Chris Quirin	GBIF
L.J. Welton, K.E. Allen and `	GBIF
L.J. Welton, K.E. Allen, R. J	GBIF
L.J. Welton, K.E. Allen, R. J	GBIF
L.J. Welton, K.E. Allen, R. J	GBIF
L.J. Welton, K.E. Allen, R. J	GBIF
L.J. Welton, K.E. Allen and `	GBIF
L.J. Welton, K.E. Allen, R. J	GBIF
Collector(s): Adam D. Leache	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
	GBIF
	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
D.C. Blackburn, R.M. Brow	GBIF
D.C. Blackburn, R.M. Brow	GBIF
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Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
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Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
Welton, Luke; Allen, Kaitlin;	GBIF
G.F.M. Jongsma, G.P. Dixor	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Edem A. Eniang	GBIF
Collector(s): Adam D. Leache	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
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D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
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D.M. Portik, L.A. Scheinberg	GBIF
D.C. Blackburn, D.M. Portik	GBIF
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D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, L.A. Scheinberg	GBIF

D.M. Portik, L.A. Scheinberg	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
B.J. Evans and D.M. Portik	GBIF
B.J. Evans and D.M. Portik	GBIF
B.J. Evans and D.M. Portik	GBIF
B.J. Evans and D.M. Portik	GBIF
B.J. Evans and D.M. Portik	GBIF
Gonwouo, L. Nono	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Beat Akeret	GBIF
Beat Akeret	GBIF
Beat Akeret	GBIF
Dr Anh Galat-Luong	GBIF
Campbell G., Teichroeb J., P	GBIF
Colyn, Marc	GBIF
Collector(s): Caleb Ofori Boa	GBIF
deboas	GBIF
ronan_a	GBIF
John Sullivan	GBIF
Ben	GBIF

Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Raul Diaz; Adan	GBIF
TJHibbitts	GBIF
Ernst, Raffael	GBIF
Ernst, Raffael	GBIF
Ernst, Raffael	GBIF
Bryan L. Stuart, Rayna C. Be	GBIF
	GBIF
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RÃ¶del, Mark-Oliver	GBIF
Assemian	GBIF
l42r-0w94	GBIF
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Marius Burger	GBIF
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Axel LITONA	GBIF
Jessica DEICHMANN	GBIF
Elie TOBI	GBIF
Axel LITONA	GBIF
Jessica DEICHMANN	GBIF
Elie TOBI	GBIF
Rayna Bell; Patrick J. McLau	GBIF
Paul Freed	GBIF
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G.F.M. Jongsma, G.P. Dixo	GBIF
Collector(s): Dan R. Buchhol	GBIF
Collector(s): Dan R. Buchhol	GBIF
Jorge O. de Leon Cardozo	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
L.G. Henwood and J.V. Vind	GBIF
L.G. Henwood and J.V. Vind	GBIF
L.G. Henwood and J.V. Vind	GBIF
Joanna G. Larson	GBIF
M E. Dyer	GBIF
P. Agland	GBIF
P. Agland	GBIF
P. Agland	GBIF
P. Agland	GBIF
P. Agland	GBIF
Joanna G. Larson	GBIF
Collector(s): Dan R. Buchhol	GBIF
[no agent data]	GBIF
Chris Quirin	GBIF
Paul Freed	GBIF
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Collector (s) : Gabriel Badjed	GBIF
Joanna G. Larson	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
V. Droissart	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
V. Droissart	GBIF
	GBIF
	GBIF
	GBIF
Jongsma, Gregory; Bamba-K	GBIF
Jongsma, Gregory; Bamba-K	GBIF
Chris Quirin	GBIF
emjneil	GBIF
D.C. Blackburn, R.M. Brow	GBIF
D.C. Blackburn, R.M. Brow	GBIF
D.C. Blackburn, R.M. Brow	GBIF
D.C. Blackburn, R.M. Brow	GBIF
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D.M. Portik, L.A. Scheinber	GBIF
Anton A. Leenders	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Gonwouo, L. Nono	GBIF
David C. Blackburn, Joseph	GBIF
David C. Blackburn, Joseph	GBIF
benbarca	GBIF
Collector(s): Theodore J. Pap	GBIF
Collector(s): Theodore J. Pap	GBIF
Collector(s): Theodore J. Pap	GBIF
Collector(s): Theodore J. Pap	GBIF
Collector(s): Theodore J. Pap	GBIF
Chippindale, P.	GBIF
Chippindale, P.	GBIF
Chippindale, P.	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
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T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
Tweddle, Denis	GBIF
Mark-Oliver Rodel	GBIF
Annika Hillers	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Collector(s): Theodore J. Pap	GBIF
Nyan SangbÃ© ; Beatrice So	GBIF
Paul Freed	GBIF
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Bryan L. Stuart; Rayna Bell;	GBIF
Bryan L. Stuart; Rayna Bell;	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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G.F.M. Jongsma, A.G.B. Ka	GBIF
Rayna C Bell	GBIF
Collector(s): Adam D. Leache	GBIF
Paul Freed	GBIF

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D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
D.C. Blackburn, D.M. Portik	GBIF
T.R. Roberts	GBIF
David C. Blackburn, Joseph I	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Joseph I	GBIF
Allen, Katie; Tapondjou, Wal	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Schmitz , Barej M.	GBIF
Euskirchen O.	GBIF
Chris Quirin	GBIF
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Schmitz Andreas (M.), Barej	GBIF
Schmitz Andreas (M.), Barej	GBIF
Schmitz , Barej M.	GBIF
Schmitz , Barej M.	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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G.F.M. Jongsma, G.P. Dixon	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
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T. Papenfuss	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF

Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
David C. Blackburn, Joseph I	GBIF
David C. Blackburn, Joseph I	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
David C. Blackburn, Joseph I	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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Collector(s): Adam D. Leache	GBIF
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Collector(s): Adam D. Leache	GBIF
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David C. Blackburn	GBIF
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Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
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Gonwouo, L. Nono	GBIF
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Gonwouo, L. Nono	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Joseph I	GBIF
David C. Blackburn, Joseph I	GBIF
Schmitz , Barej M.	GBIF
Schmitz Andreas (M.), Barej	GBIF
Collector(s): Adam D. Leache	GBIF

Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
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Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Annika Hillers	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
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Marius Burger	GBIF
Brian Gratwicke & Jennifer S	GBIF
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Brian Gratwicke & Jennifer S	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
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M.T. Kouete	GBIF
M.T. Kouete	GBIF
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Jongsma, GFM; Dixon-MacC	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixo	GBIF
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G.F.M. Jongsma, G.P. Dixo	GBIF
Rayna C Bell	GBIF
Brian Gratwicke	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
Bryan L. Stuart, Rayna C. B	GBIF
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C. Ofori-Boateng & Leache.	GBIF
Atewa Range & C. Ofori-Boa	GBIF
N. G. Kouame & C. Ofori-B	GBIF
L.G. Henwood and J.V. Vind	GBIF
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M E. Dyer	GBIF
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Johannes Penner	GBIF
Marius Burger	GBIF
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Kate Jackson	GBIF
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Kate Jackson	GBIF
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Axel LITONA	GBIF
Axel LITONA	GBIF
Collector Unknown	GBIF
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Jongsma, Gregory; Bamba-Ka	GBIF
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Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF

G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
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D.C. Blackburn, D.M. Portik	GBIF
Nathan H. Rice	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
D.M. Portik, M.T. Kouete, C	GBIF
L.G. Henwood and J.V. Vind	GBIF
L.G. Henwood and J.V. Vind	GBIF
L.G. Henwood and J.V. Vind	GBIF
L.G. Henwood and J.V. Vind	GBIF
H.E. Robeck	GBIF
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Bryan L. Stuart, Rayna C. Bo	GBIF
David C. Blackburn, Joseph I	GBIF
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David C. Blackburn, Kate S.	GBIF
David C. Blackburn, Joseph I	GBIF
Collector(s): Caleb Ofori Boa	GBIF
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Collector(s): Caleb Ofori Boa	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Raul Diaz; Adan	GBIF
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Collector(s): Raul Diaz; Adan	GBIF
Gatter, Peer	GBIF
Mohamed Alhassane Bangou	GBIF
Annika Hillers	GBIF
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Raffael Ernst	GBIF
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Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Raffael Ernst	GBIF
Raffael Ernst	GBIF
Annika Hillers	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Mwenebatu M. ⁄	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Mwenebatu M. ⁄	GBIF
Collector(s): Mwenebatu M. ⁄	GBIF

Collector(s): Mwenebatu M.	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
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Kate Jackson	GBIF
Kate Jackson	GBIF
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M.E. Gadd	GBIF
David C. Blackburn, Joseph	GBIF
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G.F.M. Jongsma, A.G.B. Ka	GBIF
D.C. Blackburn, D.M. Portik	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
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R.C. Drewes, L.G. Henwood	GBIF
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L.G. Henwood and J.V. Vind	GBIF
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David C. Blackburn	GBIF
David C. Blackburn	GBIF
David C. Blackburn	GBIF
David C. Blackburn	GBIF
David C. Blackburn, Joseph l	GBIF

Jonathan Newman	GBIF
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Gonwouo, L. Nono	GBIF
Gonwouo, L. Nono	GBIF
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M E. Dyer	GBIF
M E. Dyer	GBIF
David C. Blackburn, Kate S.	GBIF
David C. Blackburn	GBIF
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David C. Blackburn	GBIF
Alex Krohn	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Collector(s): Caleb Ofori Boa	GBIF
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Chippindale, P.	GBIF
Chippindale, P.	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
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Annika Hillers	GBIF
Annika Hillers	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Adam D. Leache	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Raffael Ernst	GBIF
Raffael Ernst	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Mark-Oliver Rodel	GBIF
Mark-Oliver Rodel	GBIF

S. Spawls	GBIF
Raffael Ernst	GBIF
Raffael Ernst	GBIF
Mark-Oliver Rodel	GBIF
Annika Hillers	GBIF
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Annika Hillers	GBIF
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Marius Burger	GBIF
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Kate Jackson & students	GBIF
Kate Jackson	GBIF
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Scott Loarie	GBIF
Collector(s): Caleb Ofori Boa	GBIF
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Gonwouo, L. Nono	GBIF
Marius Burger	GBIF
Jongsma, Gregory; Bamba-Ka	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
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Alex Krohn	GBIF
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Dan Riley	GBIF
Carel Jongkind	GBIF
Attila Steiner	GBIF
michelemenegon	GBIF
deboas	GBIF
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M.E. Gadd	GBIF
M.E. Gadd	GBIF
Ben J. Evans	GBIF
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Kate Jackson	GBIF
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Collector(s): Adam D. Leache	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
David C. Blackburn, Joseph l	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
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Collector(s): Adam D. Leache	GBIF
Collector(s): Jerry Lea	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector (s) : Wandege, Eli (	GBIF
Campbell G., Teichroeb J., P	GBIF
Collector(s): Caleb Ofori Boa	GBIF
John Sullivan	GBIF
John Sullivan	GBIF
John Sullivan	GBIF
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S. Spawls	GBIF
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du Preez, Louis	GBIF
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Nneji et al., 2019a	primary Literature
Nneji et al., 2019a	primary Literature
Johannes Penner	GBIF
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Marius Burger	GBIF
phrogbecker	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
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Jongsma, GFM; Dixon-MacC	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, A.G.B. Ka	GBIF
G.F.M. Jongsma, G.P. Dixoı	GBIF
G.F.M. Jongsma, G.P. Dixoı	GBIF
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G.F.M. Jongsma, G.P. Dixoı	GBIF
H.E. Robeck	GBIF
H.E. Robeck	GBIF
H.E. Robeck	GBIF
Collector (s) : Franck Masudi	GBIF
Joanna G. Larson	GBIF
Joanna G. Larson	GBIF
Kate Jackson	GBIF
Kate Jackson	GBIF
Collector : Gabriel Badjedjea	GBIF
Nyan SangbÃ© ; Beatrice So	GBIF
Chippindale, P.	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Collector(s): Raul Diaz; Adan	GBIF
Annika Hillers	GBIF
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Demos, Terrence	GBIF
Brian T. Roach	GBIF
Jorge O. de Leon Cardozo	GBIF
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L.G. Henwood and J.V. Vind	GBIF
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R.C. Drewes, L.G. Henwood	GBIF
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H.E. Robeck	GBIF
T.J. Papenfuss	GBIF
Kate Jackson	GBIF
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David C. Blackburn, Joseph l	GBIF
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Johannes Penner	GBIF
Jongsma, Gregory; Bamba-Kɛ	GBIF
Ehoarn Bidault	GBIF
Marius Burger	GBIF
DÃ©rozier Violette	GBIF

Chris Quirin	GBIF
Collector(s): Adam D. Leache	GBIF
Kate Jackson	GBIF
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Collector Unknown	GBIF
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Kate Jackson	GBIF
Johnny Wilson	GBIF
DÃ©rozier Violette	GBIF
akn-125z	GBIF
Collector(s): Edem A. Eniang	GBIF
Collector(s): Adam D. Leache	GBIF
Johnny Wilson	GBIF
Collector (s) : Muhindo	GBIF
Collector (s) : Muhindo	GBIF
Collector : Franck Masudi	GBIF

Collector (s) : Wandege, Eli (	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): unknown	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Kusamba Chifur	GBIF
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Jongsma, GFM; Kaya, AGB;	GBIF
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Johannes Penner	GBIF
Anton A. Leenders	GBIF
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Ben J. Evans	GBIF
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Taylor, M.E.; Johnson, R.	GBIF
P. Brussard	GBIF
T. Roberts	GBIF
Annika Hillers	GBIF
Annika Hillers	GBIF
Mark-Oliver Rodel	GBIF
Lotanna Micah Nneji	GBIF
laurenscheinberg	GBIF
Averee Luhrs	GBIF
Collector(s): David C. Blackb	GBIF
Marius Burger	GBIF
Collector(s): Caleb Ofori Boa	GBIF
Ernst, Raffael	GBIF
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Annika Hillers	GBIF
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Mohamed Alhassane Bangoui	GBIF
Mark-Oliver Rodel	GBIF
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Dr Anh Galat-Luong	GBIF
Tweddle, Denis	GBIF
Marius Burger	GBIF
Paul Freed	GBIF
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Johnny Wilson	GBIF
Katarzyna Nowak	GBIF
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Chris Quirin	GBIF
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Collector Unknown	GBIF
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M.T. Kouete	GBIF
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markusgmeiner	GBIF
M.T. Kouete	GBIF
M.T. Kouete	GBIF
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G.F.M. Jongsma, A.G.B. Ka	GBIF
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G.F.M. Jongsma, G.P. Dixon	GBIF
G.F.M. Jongsma, G.P. Dixon	GBIF

G.F.M. Jongsma, G.P. Dixo	GBIF
Collector(s): Adam D. Leache	GBIF
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Collector(s): Edem A. Eniang	GBIF
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D.M. Portik, L.A. Scheinberg	GBIF
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Jorge O. de Leon Cardozo	GBIF
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D.M. Portik, M.T. Kouete, C	GBIF
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T.J. Papenfuss	GBIF

Joanna G. Larson	GBIF
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David C. Blackburn, Joseph l	GBIF
Bryan L. Stuart, Rayna C. Bo	GBIF
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Pauwels Olivier Sylvain GÃ©	GBIF
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Leonard Georg	GBIF
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Mrs. M.E. Dyer	GBIF
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Elie TOBI	GBIF
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M E. Dyer	GBIF
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Ben J. Evans	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Eli B. Greenbau	GBIF
Ben J. Evans	GBIF
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D.M. Portik, M.T. Kouete, a	GBIF
D.M. Portik, M.T. Kouete, a	GBIF
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B.J. Evans and D.M. Portik	GBIF
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Ben J. Evans, Chifundera Ku	GBIF
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Collector : Franck Masudi	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
G.F.M. Jongsma, D.M. Porti	GBIF
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G.F.M. Jongsma, D.M. Porti	GBIF
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G.F.M. Jongsma, D.M. Porti	GBIF
G.F.M. Jongsma, D.M. Porti	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF

G.F.M. Jongsma, D.M. Porti	GBIF
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M E. Dyer	GBIF
Ben J. Evans, Daniel M. Port	GBIF
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David C. Blackburn, Kate S.	GBIF
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C. Loumont	GBIF
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Marius Burger	GBIF
Brian Gratwicke & Jennifer S	GBIF
Jean Eric MAKAYA	GBIF
Jean Eric MAKAYA	GBIF
Brian Gratwicke & Jennifer S	GBIF
Brian Gratwicke & Jennifer S	GBIF
Elie TOBI	GBIF
Elie TOBI	GBIF
Brian Gratwicke & Jennifer S	GBIF

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Brian Gratwicke & Jennifer S	GBIF
Axel LITONA	GBIF
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Axel LITONA	GBIF
Brian Gratwicke & Jennifer S	GBIF
Elie TOBI	GBIF
Elie TOBI	GBIF
Elie TOBI	GBIF
Collector(s): Kusamba Chifur	GBIF
Collector(s): Eli B. Greenbau	GBIF
Collector(s): Kusamba Chifur	GBIF
Jongsma, Gregory; Zassi-Bou	GBIF
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Marius Burger	GBIF
Brown, Rafe	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
D.C. Blackburn, G.F.M. Jon	GBIF
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D.C. Blackburn, G.F.M. Jon	GBIF
B.J. Evans and D.M. Portik	GBIF
B.J. Evans and D.M. Portik	GBIF
B.J. Evans and D.M. Portik	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
T.J. Papenfuss	GBIF
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T.J. Papenfuss	GBIF
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T.J. Papenfuss	GBIF
Ben J. Evans, Daniel M. Port	GBIF
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Ben J. Evans, Daniel M. Port	GBIF

7,42047	11,35046
7,46053	11,39282
7,0742	5,072
7,1396	5,1431
7,1453	5,0606
7,077	5,1004
7,0229	5,1181
7,3559	5,1857
7,1168	5,183
7,0628	5,1167
7,0222	5,1559
7,1108	5,1108
7,1106	5,1108
7,1086	5,1072
7,1094	5,1078
7,1089	5,1125
7,1344	5,1006
7,1122	5,1094
7,1089	5,1075
7,1089	5,1069

Order	Family	Genus	Scientific Name	year of collection	Country
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*	2000	Côte d'Ivoire
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*	2003	Ghana
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*	2002	Côte d'Ivoire
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus sonjae*	2002	Côte d'Ivoire
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus spinosus*	2016	Democratic Rep
Anura	Hyperoliidae	*Acanthixalus*	*Acanthixalus spinosus*	2002	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*	2005	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*	2005	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*	2004	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*	2014	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*	2014	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus equatorialis*	2016	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2004	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2004	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2004	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2020	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2019	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2009	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2019	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2008	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2011	Liberia
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2009	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2016	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2004	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2004	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2004	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2004	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	1999	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	1999	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	1999	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2014	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2014	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2013	Cameroon

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2011	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2011	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2002	Guinea
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2002	Guinea
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2011	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2011	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2011	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2011	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2011	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	1994	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	1981	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2006	Central African
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2002	Guinea
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2002	Guinea
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2016	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	1997	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2014	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2006	Democratic Rep
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	2016	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus fulvovittatus*	1981	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*	2018	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*	2002	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*	2003	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus lacteus*	2006	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2010	Côte d'Ivoire
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2019	Côte d'Ivoire
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2012	Côte d'Ivoire
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2016	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2016	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2016	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2016	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2016	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2016	Ghana
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2005	Liberia
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2005	Liberia
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2005	Liberia
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus nigeriensis*	2005	Liberia

Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2012	Republic of Co
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2009	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2014	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2014	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	1998	Equatorial Guin
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	1998	Equatorial Guin
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	1998	Equatorial Guin
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	1998	Equatorial Guin
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2014	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2014	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2014	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2017	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2009	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2015	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2015	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2015	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2015	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2015	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2015	Gabon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	1999	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2014	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2003	Equatorial Guir
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2013	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2011	Cameroon
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Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	1998	Equatorial Guir
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	1998	Equatorial Guir
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	1998	Equatorial Guir
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	1998	Equatorial Guir
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2006	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2005	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus paradorsalis*	2004	Cameroon
Anura	Hyperoliidae	*Afrixalus*	*Afrixalus vibekensis*	1980	Côte d'Ivoire
Anura	Hyperoliidae	*Alexteroon*	*Alexteroon obstetricans*	2012	Gabon
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*	2010	Democratic Rep
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*	2010	Democratic Rep
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*	2015	Democratic Rep
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*	2015	Democratic Rep
Anura	Pyxicephalidae	*Amietia*	*Amietia chapini*	2014	Democratic Rep

Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2015	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2018	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2018	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2017	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2017	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2017	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2017	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2017	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2009	Democratic Rep
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2013	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2013	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2013	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2011	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2015	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2015	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana amnicola*	2013	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*	2002	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*	2015	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana asperrima*	2016	Nigeria
Anura	Ranidae	*Amnirana*	*Amnirana fonensis*	2002	Guinea
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2013	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2017	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2015	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2015	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2002	Equatorial Guir
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2010	Republic of Co
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2015	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2015	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2002	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2002	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2002	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2015	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2015	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2015	Gabon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2013	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2013	Cameroon

Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2013	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	2011	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	1981	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana lepus*	1980	Cameroon
Anura	Ranidae	*Amnirana*	*Amnirana occidentalis*	2005	Liberia
Anura	Ranidae	*Amnirana*	*Amnirana occidentalis*	2003	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2010	Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2015	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2019	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2019	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2019	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2019	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2004	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2002	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis adelphus*	2002	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis aureoli*	2004	Sierra Leone
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*	1998	Equatorial Guin
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis bioko*	1998	Equatorial Guir
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2005	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2005	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2005	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2005	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2005	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2005	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2005	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2004	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2004	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2004	Ghana

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2004		Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis brevipes*	2004		Ghana
	Arthroleptidae	*Arthroleptis*	Arthroleptis krokosua		2008	Ghana
	Arthroleptidae	*Arthroleptis*	Arthroleptis nlonakoensis		2006	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*	2009		Nigeria
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*	2006		Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*	2009		Nigeria
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*	2016		Nigeria
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*	2016		Nigeria
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis palava*	2016		Nigeria
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*	2013		Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*	2013		Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*	2017		Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*	2017		Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*	2015		Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*	2006		Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*	2006		Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis perreti*	2006		Cameroon
	Arthroleptidae	*Arthroleptis*	Arthroleptis spinalis		2018	DRC
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2015		Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	1998		Equatorial Guir
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2013		Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2008		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2006		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2013		Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2018		Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	1998		Equatorial Guin
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2006		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2013		Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2010		Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2018		Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2018		Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2017		Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2017		Gabon

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2017	Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2017	Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2017	Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2017	Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2015	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2015	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2015	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2015	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2013	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2013	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2013	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2013	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	1994	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2019	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2014	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2011	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2011	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2009	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis sylvaticus*	2009	Nigeria
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniata*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2012	Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2013	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2018	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2018	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2018	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis taeniatus*	2013	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1991	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2015	Republic of Co
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1998	Equatorial Guin
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1998	Equatorial Guin
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2007	Equatorial Guir
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2002	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2002	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2014	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2015	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2015	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2015	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2015	Gabon

Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2015	Gabon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1998	Equatorial Guir
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1998	Equatorial Guir
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1994	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1994	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2003	Ghana
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2014	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2005	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2006	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2006	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2006	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2006	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1983	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	1984	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2006	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2004	Cameroon
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2016	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2015	Democratic Rep
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2002	Nigeria
Anura	Arthroleptidae	*Arthroleptis*	*Arthroleptis variabilis*	2006	Nigeria
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2010	Republic of Co
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2010	Republic of Co
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2010	Republic of Co
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2010	Republic of Co
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2019	Republic of Co
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2013	Republic of Co
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2010	Republic of Co
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2010	Republic of Co
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2018	Gabon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2017	Gabon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2017	Gabon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2013	Gabon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2016	Gabon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2015	Gabon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2015	Gabon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2013	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus batesi*	2006	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*	2015	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*	2002	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*	2015	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*	2013	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus diadematus*	2013	Cameroon

Anura	Arthroleptidae	*Astylosternus*	*Astylosternus fallax*	2013	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*	2008	Ghana
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*	2016	Ghana
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*	2016	Ghana
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus laticephalus*	2004	Côte d'Ivoire
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2005	Guinea
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2010	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2010	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2011	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	1988	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2011	Ghana
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2014	Benin
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2014	Benin
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2014	Benin
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2012	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2012	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2012	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2012	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2012	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2012	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2012	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2012	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2005	Liberia
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus occidentalis*	2002	Guinea
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*	2002	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus perreti*	2006	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*	2017	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*	2006	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*	2006	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*	2006	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*	2006	Cameroon
Anura	Arthroleptidae	*Astylosternus*	*Astylosternus rheophilus*	2006	Cameroon
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*	2005	Republic of Co
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*	2005	Republic of Co
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*	2013	Democratic Rep
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*	2005	Republic of Co
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*	2015	Gabon
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*	2019	Democratic Rep
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*	2019	Democratic Rep
Anura	Pyxicephalidae	*Aubria*	*Aubria masako*	1997	Republic of Co
Anura	Pyxicephalidae	*Aubria*	*Aubria occidentalis*	2003	Ghana
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*	2003	Benin
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*	2017	Benin
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*	2017	Benin

Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*	2018		Côte d'Ivoire
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*	2013		Gabon
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*	2013		Gabon
Anura	Pyxicephalidae	*Aubria*	*Aubria subsigillata*	1998		Equatorial Guir
	Arthroleptidae	*Cardioglossa*	Cardioglossa alsco		2004	Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa annulata*	2012		Republic of Co
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa annulata*	2013		Republic of Co
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa congolia*	2013		Democratic Rep
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*	2018		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*	2018		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*	2018		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*	2012		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa elegans*	2014		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa escalerae*	2013		Republic of Co
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa escalerae*	1983		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	2013		Republic of Co
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	2015		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	2018		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	2018		Gabon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	2017		Gabon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	1988		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	2015		Gabon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	2013		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	2013		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	1980		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gracilis*	2006		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*	2010		Republic of Co
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*	2010		Republic of Co
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*	2019		Republic of Co
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*	2010		Republic of Co
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa gratiosa*	2002		Gabon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa manengouba*	2006		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa melanogaster*	2006		Nigeria
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*	2011		Sierra Leone
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*	2000		Côte d'Ivoire
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*	1996		Côte d'Ivoire
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*	1999		Côte d'Ivoire
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*	2003		Guinea
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*	2002		Guinea
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa occidentalis*	2003		Ghana
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*	2014		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*	1984		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*	1984		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*	2006		Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa oreas*	2006		Cameroon

Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*	2017	Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*	2017	Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*	2005	Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*	2006	Cameroon
Anura	Arthroleptidae	*Cardioglossa*	*Cardioglossa pulchra*	2006	Cameroon
Anura	Hyperoliidae	*Chrysobatrachı*	*Chrysobatrachus cupreonite*	2011	Democratic Rep
Anura	Hyperoliidae	*Chrysobatrachı*	*Chrysobatrachus cupreonite*	2011	Democratic Rep
Anura	Conrauidae	*Conraua*	*Conraua alleni*	2005	Liberia
Anura	Conrauidae	*Conraua*	*Conraua alleni*	2003	Guinea
Anura	Conrauidae	*Conraua*	*Conraua alleni*	2003	Guinea
Anura	Conrauidae	*Conraua*	*Conraua alleni*	2003	Guinea
Anura	Conrauidae	*Conraua*	*Conraua alleni*	2003	Guinea
Anura	Conrauidae	*Conraua*	*Conraua alleni*	2003	Guinea
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2013	Republic of Co
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2010	Republic of Co
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2010	Republic of Co
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2018	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2003	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2015	Gabon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2015	Gabon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2015	Gabon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	1998	Equatorial Guir
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	1981	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	1981	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	1981	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2010	Gabon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2010	Gabon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2006	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua crassipes*	2010	Gabon
Anura	Conrauidae	*Conraua*	*Conraua derooi*	2011	Ghana
Anura	Conrauidae	*Conraua*	*Conraua goliath*	2002	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua goliath*	2003	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua goliath*	2003	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua goliath*	2004	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua goliath*	2003	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua goliath*	1991	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua goliath*	2014	Cameroon
Anura	Conrauidae	*Conraua*	*Conraua robusta*	2014	Cameroon
Anura	Bufonidae	*Didynamipus*	*Didynamipus sjostedti*	1984	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2013	Republic of Co
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2018	Nigeria
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2018	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2018	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2018	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2018	Cameroon

Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2018	Nigeria
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2018	Nigeria
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2018	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2018	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2017	Republic of Co
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2001	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2014	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2014	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2014	Cameroon
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2006	Ghana
Gymnophiona	Dermophiidae	*Geotrypetes*	*Geotrypetes seraphini*	2013	Cameroon
Anura	Hemisotidae	*Hemisus*	*Hemisus olivaceus*	2009	Democratic Rep
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*	2012	Gabon
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*	2012	Gabon
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*	2012	Gabon
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*	2009	Gabon
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*	2012	Gabon
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*	2012	Gabon
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*	2009	Gabon
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*	2002	Gabon
Anura	Hemisotidae	*Hemisus*	*Hemisus perreti*	2002	Gabon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2013	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2018	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2018	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2018	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2016	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2014	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2014	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2014	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2014	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2014	Cameroon
Gymnophiona	Herpelidae	*Herpele*	*Herpele squalostoma*	2014	Cameroon
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*	2013	Republic of Co
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*	2002	Cameroon
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*	2012	Cameroon
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*	2011	Gabon
Anura	Pipidae	*Hymenochirus*	*Hymenochirus boettgeri*	2009	Democratic Rep
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*	2008	Republic of Co
Anura	Pipidae	*Hymenochirus*	*Hymenochirus curtipes*	2008	Republic of Co
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius acutirostris*	1991	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius acutirostris*	1991	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*	2002	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*	2014	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*	2014	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*	2014	Cameroon

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ademetzi*	2014	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*	2005	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*	2004	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*	2004	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius baumanni*	2004	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*	1999	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*	2018	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*	2018	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*	2018	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*	2018	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bolifambae*		Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius bopeleti*	2012	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*	2010	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius brachiofasciatus*	1985	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius camerunensis*	2018	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2010	Liberia
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2010	Liberia
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2014	Liberia
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2010	Liberia
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2011	Liberia
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2005	Liberia
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2002	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2003	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2003	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2003	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2003	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2003	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2002	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2002	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius chlorosteus*	2002	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2012	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2012	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	1991	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2003	Benin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2018	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2018	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2017	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2011	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2011	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2011	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2011	Ghana

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2006	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2006	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2005	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2005	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2004	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2004	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2004	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	1999	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2010	Benin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2014	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2013	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	1998	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	1998	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	1993	Côte d'Ivoire
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	1992	Côte d'Ivoire
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2004	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2005	Liberia
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2018	Burkina Faso
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2018	Burkina Faso
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2018	Burkina Faso
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius concolor*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*	2008	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius constellatus*	2010	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius ferrugineus*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2012	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2019	Togo
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2016	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2019	Togo
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2012	Côte d'Ivoire
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2018	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2010	Benin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2010	Benin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2014	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2004	Sierra Leone
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	1996	Côte d'Ivoire
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2005	Liberia
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2003	Guinea

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	1982	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius fusciventris*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2014	Republic of Co
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2016	Benin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2006	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2017	Republic of Co
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2017	Republic of Co
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2015	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2015	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2010	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	1981	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2002	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2004	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius guttulatus*	2020	Nigeria
Anura	Hyperoliidae	*Hyperolius*	Hyperolius jacobseni	2013	Central African Republic
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius langi*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius langi*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius leucotaenius*	2011	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius leucotaenius*	2011	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*	2013	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius mosaicus*	2013	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius nienokouensis*	1996	Côte d'Ivoire
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*	2012	Republic of Co
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*	2012	Republic of Co
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*	2013	Republic of Co
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*	2014	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*	2018	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*	2018	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*	2018	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*	2015	Republic of Co
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius pardalis*	2015	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2009	Gabon

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2012	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2012	Republic of Co
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2012	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius phantasticus*	2012	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*	2006	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*	2003	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*	2003	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius picturatus*	2002	Guinea
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2020	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2020	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2020	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2020	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2020	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2019	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2014	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2014	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2016	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2019	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2014	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2015	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2013	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2011	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2011	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2011	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2011	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius riggenbachi*	2019	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius schoutedeni*	2018	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2018	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2018	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2004	Benin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2008	Benin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2004	Benin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2019	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2019	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2019	Nigeria

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2019	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius sylvaticus*	2019	Nigeria
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*	2005	Ghana
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius torrentis*	2004	Togo
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2011	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	1998	Equatorial Guin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2010	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2011	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2008	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2011	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2008	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2010	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2012	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2008	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2010	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2012	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Equatorial Guin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Equatorial Guin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Equatorial Guin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2015	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2015	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2015	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2011	Cameroon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	1998	Equatorial Guin
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	1994	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2009	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2013	Gabon
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2014	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2016	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2019	Democratic Rep

Anura	Hyperoliidae	*Hyperolius*	*Hyperolius tuberculatus*	2015	Democratic Rep
Anura	Hyperoliidae	*Hyperolius*	*Hyperolius zonatus*	2012	Côte d'Ivoire
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*	2018	Ghana
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*	2018	Ghana
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*	2018	Ghana
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*	2018	Ghana
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*	2018	Ghana
Anura	Hyperoliidae	*Kassina*	*Kassina arboricola*	2011	Ghana
Anura	Hyperoliidae	*Kassina*	*Kassina decorata*	2018	Cameroon
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*	2006	Cameroon
Anura	Hyperoliidae	*Kassina*	*Kassina maculosa*	2006	Cameroon
Anura	Hyperoliidae	*Kassina*	*Kassina schioetzi*	2000	Côte d'Ivoire
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon axillaris*	2006	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon axillaris*	2004	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon bicolor*	2017	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon bicolor*	2005	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon erythrogas*	2006	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon mertensi*	2014	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon mertensi*	2014	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon mertensi*	2005	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon mertensi*	2006	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon perreti*	2014	Cameroon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon stevarti*	2001	Gabon
Anura	Arthroleptidae	*Leptodactylodo*	*Leptodactylodon stevarti*	2001	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis anebos*	2011	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis anebos*	2011	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis anebos*	2010	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis anebos*	2011	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*	2010	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*	1991	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*	2020	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*	2019	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*	2010	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*	2014	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis aubryioides*	2004	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*	2010	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*	2010	Nigeria
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*	2012	Nigeria
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*	2013	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*	2018	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*	2013	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*	2013	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis boulengeri*	2013	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	2017	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	2015	Cameroon

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	1998	Equatorial Guin
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	2013	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	2013	Equatorial Guin
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	2017	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	1998	Equatorial Guir
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	1982	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	1997	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis brevirostris*	2015	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2013	Equatorial Guin
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2003	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2015	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2013	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2015	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2016	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2016	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2019	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2019	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2019	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2015	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2015	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2015	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis calcaratus*	2009	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis crystallinoron*	2009	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis crystallinoron*	2009	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis crystallinoron*	2009	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2020	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2006	Nigeria
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2009	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2017	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2015	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2015	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2015	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2015	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2014	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis millsoni*	2009	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*	2017	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*	1998	Equatorial Guir
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*	2006	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis modestus*	2006	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*	2008	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*	2010	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*	2010	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*	2010	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*	2008	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis mtoewaate*	2010	Democratic Rep

Anura	Arthroleptidae	*Leptopelis*	*Leptopelis nordequatorialis*	2009	Nigeria
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis nordequatorialis*	2009	Nigeria
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*	2010	Côte d'Ivoire
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*	2006	Ghana
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*	2006	Ghana
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis occidentalis*	2012	Côte d'Ivoire
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*	2010	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*	2010	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*	2010	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*	2017	Republic of Co
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*	2015	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*	2013	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis ocellatus*	2015	Democratic Rep
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*	2020	Nigeria
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*	2015	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*	2014	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*	2014	Cameroon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis rufus*	2009	Gabon
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	2012	Ghana
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	1980	Côte d'Ivoire
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	2003	Benin
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	2006	Ghana
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	2014	Togo
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	2018	Ghana
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	2016	Sierra Leone
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	2016	Ghana
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	2011	Ghana
Anura	Arthroleptidae	*Leptopelis*	*Leptopelis spiritusnoctis*	1999	Côte d'Ivoire
Anura	Hyperoliidae	*Morerella*	*Morerella cyanophthalma*	2003	Côte d'Ivoire
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	2013	Gabon
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	2013	Gabon
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	2013	Gabon
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	2012	Republic of Co
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	1998	Equatorial Guin
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	2013	Gabon
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	2013	Gabon
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	1991	Cameroon
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	2015	Gabon
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	1998	Equatorial Guir
Anura	Bufonidae	*Nectophryne*	*Nectophryne afra*	1980	Cameroon
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*	2015	Cameroon
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*	2014	Democratic Rep
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*	2006	Cameroon
Anura	Bufonidae	*Nectophryne*	*Nectophryne batesii*	2006	Cameroon
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*	2015	Cameroon

Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*	2016	Gabon
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*	1988	Cameroon
Anura	Arthroleptidae	*Nyctibates*	*Nyctibates corrugatus*	1988	Cameroon
Anura	Odontobatrachidae	*Odontobatrach*	*Odontobatrachus natator*	2019	Liberia
Anura	Odontobatrachidae	*Odontobatrach*	*Odontobatrachus natator*	2004	Sierra Leone
Anura	Odontobatrachidae	*Odontobatrach*	*Odontobatrachus natator*	2004	Sierra Leone
Anura	Odontobatrachidae	*Odontobatrach*	*Odontobatrachus natator*	2004	Sierra Leone
Anura	Odontobatrachidae	*Odontobatrach*	*Odontobatrachus natator*	2012	Liberia
Anura	Odontobatrachidae	*Odontobatrach*	*Odontobatrachus natator*	2012	Liberia
Anura	Odontobatrachidae	*Odontobatrach*	*Odontobatrachus natator*	2012	Guinea
Anura	Odontobatrachidae	*Odontobatrach*	*Odontobatrachus natator*	2002	Guinea
Anura	Odontobatrachidae	*Odontobatrach*	*Odontobatrachus smithi*	2018	Guinea
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*	2009	Gabon
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*	2009	Gabon
Anura	Hyperoliidae	*Opisthothylax*	*Opisthothylax immaculatus*	2011	Equatorial Guir
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*	1991	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*	1980	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*	2004	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes cameronensis*	2006	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes euskircheni*	2013	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes euskircheni*	1997	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes euskircheni*	1997	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes johnstoni*	2015	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*	1981	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes palmipes*	2004	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes parkeri*	2009	Nigeria
Anura	Petropedetidae	*Petropedetes*	*Petropedetes perreti*	2006	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes vulpiae*	2004	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes vulpiae*	2009	Cameroon
Anura	Petropedetidae	*Petropedetes*	*Petropedetes vulpiae*	2009	Cameroon
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2009	Gabon
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2009	Gabon
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2012	Gabon
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2016	Republic of Co
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2009	Gabon
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2009	Gabon
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2017	Republic of Co
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2016	Cameroon
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2015	Gabon
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2015	Republic of Co
Anura	Hyperoliidae	*Phlyctimantis*	*Phlyctimantis leonardi*	2009	Gabon
Anura	Phrynobatrachidae	*Phrynobatrach*	*Phrynobatrachus afiabirag*	2011	Ghana
Anura	Phrynobatrachidae	*Phrynobatrach*	*Phrynobatrachus afiabirag*	2006	Ghana
Anura	Phrynobatrachidae	*Phrynobatrach*	*Phrynobatrachus africanus*	2002	Gabon
Anura	Phrynobatrachidae	*Phrynobatrach*	*Phrynobatrachus africanus*	1984	Cameroon

Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus africanus*	2013	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus africanus*	2013	Gabon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus africanus*	2010	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus africanus*	2010	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus africanus*	1998	Equatorial Guin
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus africanus*	2017	Gabon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus africanus*	2014	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus africanus*	2004	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus africanus*	2004	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2016	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2016	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2004	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2004	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	1984	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2005	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2005	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2005	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2005	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2005	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus alleni*	2005	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus asper*	2009	Democratic Rep
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus asper*	2009	Democratic Rep
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus chukuchuk*	2006	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus cornutus*	1998	Equatorial Guin
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus cornutus*	2013	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus cornutus*	1998	Equatorial Guir
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus cornutus*	2002	Gabon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus cornutus*	2002	Gabon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus cricogaste*	2009	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus danko*	2009	Nigeria
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus fraterculu*	2010	Côte d'Ivoire
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus fraterculu*	1984	Sierra Leone
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus gutturosus*	1981	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus gutturosus*	2005	Guinea
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus gutturosus*	2005	Guinea
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus gutturosus*	2005	Guinea
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus horsti*	2012	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus hylaios*	2008	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus hylaios*	2008	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus hylaios*	2008	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus hylaios*	2006	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus hylaios*	2008	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus hylaios*	2006	Nigeria
Anura	Phrynobatrachidae	*Phrynobatrachı Phrynobatrachus jimzimkus*	2004	Cameroon

Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus jimzimkus*	2006	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus liberiensis*	2012	Côte d'Ivoire
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus liberiensis*	2011	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus mayokoens*	2013	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus njiomock*	2006	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus phyllophil*	2010	Côte d'Ivoire
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2010	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2010	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2012	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2019	Côte d'Ivoire
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2006	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2006	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2006	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	1994	Democratic Rep
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2016	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2005	Liberia
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2019	Nigeria
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2019	Nigeria
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2019	Nigeria
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus plicatus*	2019	Nigeria
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus rainerguentheri*		Nigeria
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus rainerguentheri*		Nigeria
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus ruthbeatea*	2010	Republic of Co
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus sanderson*	2017	Gabon
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus steindachi*	2005	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus steindachi*	2006	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus steindachi*	2009	Nigeria
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus steindachi*	2006	Cameroon
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus tokba*	2018	Sierra Leone
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus tokba*	2011	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus tokba*	2011	Ghana
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus tokba*	2003	Guinea
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus tokba*	2005	Guinea
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus tokba*	2005	Guinea
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus tokba*	2005	Guinea
Anura	Phrynobatrachidae	*Phrynobatrachu*	*Phrynobatrachus tokba*	2005	Guinea
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*	2010	Liberia
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*	2006	Benin
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*	2012	Cameroon
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*	2012	Cameroon
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*	2011	Cameroon
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*	2003	Equatorial Guir
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*	2002	Gabon
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*	2019	Democratic Rep

Anura	Ptychadenidae	*Ptychadena*	*Ptychadena aequiplicata*	2005		Liberia
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena ingeri*	2009		Democratic Rep
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*	2003		Benin
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*	2011		Liberia
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*	2018		Ghana
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*	2018		Ghana
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*	2018		Ghana
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*	2016		Ghana
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*	1981		Ghana
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*	2007		Nigeria
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*		2019	Nigeria
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena longirostris*		2019	Nigeria
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*	2010		Republic of Co
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*	2010		Republic of Co
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*	2012		Republic of Co
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*	2019		Cameroon
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*	2017		Republic of Co
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*	2015		Gabon
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena perreti*	2015		Gabon
Anura	Ptychadenidae	*Ptychadena*	*Ptychadena superciliaris*	2018		Guinea
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	1998		Equatorial Guin
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	1998		Equatorial Guin
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	1998		Equatorial Guin
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2008		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2014		Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2013		Gabon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	1998		Equatorial Guir
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	1998		Equatorial Guir
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	1998		Equatorial Guir
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	1997		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2013		Gabon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2020		Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2015		Cameroon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010		Republic of Co

Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2010	Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2013	Cameroon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2018	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2001	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2014	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys camerunensis*	2017	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys channingi*	2015	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys channingi*	2013	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys channingi*	2015	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys channingi*	2011	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys channingi*	2007	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys channingi*	2015	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys channingi*	2015	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys channingi*	2010	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys gracilipes*	2013	Gabon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys gracilipes*	2013	Gabon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys gracilipes*	2013	Gabon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys gracilipes*	2002	Gabon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys gracilipes*	2012	Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys gracilipes*	2017	Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys gracilipes*	2016	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys gracilipes*	2019	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys latifrons*	2009	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys latifrons*	2009	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys latifrons*	2013	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys latifrons*	2014	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys latifrons*	2015	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys perreti*	2019	Nigeria

Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*	1982	Cameroon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*	1980	Cameroon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*	2014	Cameroon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*	2016	Cameroon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*	2014	Cameroon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys superciliaris*	2013	Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys togoensis*	1980	Côte d'Ivoire
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*	2013	Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*	2017	Cameroon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*	2007	Equatorial Guir
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*	2016	Gabon
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*	2015	Democratic Rep
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*	2010	Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*	2010	Republic of Co
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*	2013	Equatorial Guin
Anura	Bufonidae	*Sclerophrys*	*Sclerophrys tuberosa*	2002	Gabon
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*	2015	Cameroon
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*	2006	Nigeria
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*	2012	Cameroon
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*	2012	Cameroon
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*	2012	Cameroon
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*	2012	Cameroon
Anura	Arthroleptidae	*Scotobleps*	*Scotobleps gabonicus*	2009	Gabon
Anura	Bufonidae	*Werneria*	*Werneria bambutensis*	2004	Cameroon
Anura	Bufonidae	*Werneria*	*Werneria bambutensis*	2006	Cameroon
Anura	Bufonidae	*Werneria*	*Werneria iboundji*	2001	Gabon
Anura	Bufonidae	*Werneria*	*Werneria mertensiana*		Nigeria
Anura	Bufonidae	*Werneria*	*Werneria preussi*	1984	Cameroon
Anura	Bufonidae	*Werneria*	Werneria submontana	2004	Cameroon
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina chirioi*	2006	Cameroon
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina mirei*	2006	Cameroon
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmat*	2018	
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmat*	1983	Cameroon
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmat*	1983	Cameroon
Anura	Bufonidae	*Wolterstorffina*	*Wolterstorffina parvipalmat*	1984	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*	2010	Republic of Co
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*	2013	Gabon
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*	1998	Equatorial Guin
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*	2015	Equatorial Guir
Anura	Pipidae	*Xenopus*	*Xenopus allofraseri*	2011	Equatorial Guin
Anura	Pipidae	*Xenopus*	*Xenopus amieti*	1990	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus amieti*	1990	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*	1998	Equatorial Guin
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*	2018	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus calcaratus*	1998	Equatorial Guir

Anura	Pipidae	*Xenopus*	*Xenopus eysoole*	2006	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*	2002	Gabon
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*	2016	Ghana
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*	2016	Ghana
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*	2016	Ghana
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*	1983	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*	2011	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus fraseri*	1990	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*	2006	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*	2008	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*	2008	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*	2008	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*	2006	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus itombwensis*	2006	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*	2013	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus kobeli*	2011	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*	2009	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*	2009	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*	2009	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*	2009	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*	2009	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*	2009	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*	2009	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*	2009	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus lenduensis*	2009	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus longipes*	2018	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus longipes*	2013	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus longipes*	1984	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus longipes*	2006	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus longipes*	1990	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*	2013	Republic of Co
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*	2010	Republic of Co
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*	2013	Democratic Rep
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*	2017	Republic of Co
Anura	Pipidae	*Xenopus*	*Xenopus mellotropicalis*	2002	Gabon
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*	2013	Cameroon
Anura	Pipidae	*Xenopus*	*Xenopus parafraseri*	2011	Cameroon

stateProvince	county	locality	Latitude	Longitude	gbifID	identifier
			5,83333	-7,33333	1830938534	http://id.smns-b
		Krokosua Hills	6,617	-2,85	196998384	196998384
		Cavally	6,174	-7,788	196997356	196997356
		Haute Dodo	4,9	-7,316	196997355	196997355
Bandundu			-2,797351	20,362539	1847570924	12672018
South West Region		Nyasoso	4,83	9,68	1318808559	http://n2t.net/ar
ublic of the Congo		Mabali	-0,883333	18,133333	462396874	faf30718-8507-4
ublic of the Congo		Kokolopori	-0,25	22,866667	462386949	58da8ff6-b28c-4
ublic of the Congo		Lukumete	1,294	23,431	197001094	197001094
Ituri		Ituri forest	1,95737	30,03777	2027455978	d3395cea93afee
Ituri		Ituri forest	1,96356	30,03868	2027455974	6d3460e429615
Tshopo		Yahuma	0,76757	24,49294	2027455679	029d7096a09f4
ublic of the Congo		Lothi	0,928	23,541	197001097	197001097
ublic of the Congo		Lobolo	0,915	23,455	197001096	197001096
ublic of the Congo		Lokutu Village	1,145	23,615	197001093	197001093
Pool	Ignie	PK 45 village	-3,98847	15,3878	3028131646	http://n2t.net/ar
Pool	Ignie	PK 45 village	-3,89731	15,3693	3028129908	http://n2t.net/ar
Pool	Ignie	PK 45 village	-3,98917	15,3868	3028125580	http://n2t.net/ar
Pool	Ignie	PK 45 village	-3,98217	15,3836	3028100777	http://n2t.net/ar
Pool	Ignie	PK 45 village	-3,98856	15,3878	3028070893	http://n2t.net/ar
Pool	Ignie	PK 45 village	-3,98844	15,3879	3028069710	http://n2t.net/ar
Pool	Ignie	PK 45 village	-3,98928	15,3867	3028054795	http://n2t.net/ar
Pool	Ignie	PK 45 village	-3,9885	15,3878	3028047535	http://n2t.net/ar
Pool	Ignie	PK 45 village	-3,97694	15,3821	3027993445	http://n2t.net/ar
Adamaoua			6,749401	11,828712	2850587559	45353621
Sangha			0,75952	15,25673	2563464390	33469372
		Ivindo National	0,51121	12,8028	2549496055	http://n2t.net/ar
Centre			3,872902	11,527905	2422941243	32239452
ngo		Republic of the	-3,99	15,39	2311153323	KY079399
ngo		Republic of the	-3,9	15,37	2310835575	KY079396
ngo		Republic of the	-3,98	15,38	2310057330	KY079927
		Zuawolota, Bor	7,05624	-10,31022	2147657075	http://arctos.dat
Ogooue-Ivindo		Ivindo National	0,51121	12,80278	1852458452	4df476cd-5381-
		Ankasa Resourc	5,26405	-2,6455	1337840901	MCZ:Herp:A-1
Greater Accra Region		Shai Hills Prod	5,87475	0,05258	1145558333	http://arctos.dat
Volta Region		Togo Hills, Ky	8,32511	0,55622	1145558279	http://arctos.dat
Volta Region		Togo Hills, Nk	8,25754	0,50851	1145557908	http://arctos.dat
Western Region		Ankasa Nationa	5,29004	-2,63957	1145557900	http://arctos.dat
Sud Province		15 km E of Sar	2,96625	12,0816	1145546508	http://arctos.dat
Nord-Ouest Province		Ndop	6,0674	10,458067	1145546488	http://arctos.dat
Sud Province		3 km N of Sang	2,978617	11,87185	1145546430	http://arctos.dat
Nord-Ouest Region		Bamenda, Mile	5,926364	10,125536	1062024860	urn:catalog:CA
Nord-Ouest Region		Bamenda, Mile	5,92765	10,128592	1062024855	urn:catalog:CA
Nord-Ouest Region		Bamenda, Nsor	5,935278	10,128056	890184501	urn:catalog:CA

Ouest Region	Roadside fish p	5,10863	10,61671	890183726	urn:catalog:CA
Ouest Region	Bangangte, 5 9	5,15301	10,53249	890183702	urn:catalog:CA
Nord-Ouest Region	Bamenda, Aku	5,856211	10,158875	890183218	urn:catalog:CA
Sud Region	Sangmelima, H	2,939939	11,976331	890183034	urn:catalog:CA
Centre Region	Yaounde, Univ	3,859161	11,4952	890182901	urn:catalog:CA
Est Region	Ngoyla, 2 35 4	2,594611	14,028269	890182845	urn:catalog:CA
	Yaounde, Univ	3,85955	11,495633	699101679	MCZ:Herp:A-1
	~5 km. east of	6,548617	10,759983	699101675	MCZ:Herp:A-1
	vicinity of strea	11,307222	-12,330833	687012417	b0979830-b069
	stream crossing	11,342778	-12,336944	687009421	c3d9d398-b069
Nord-Ouest Region	Lower Bafut, 0	6,169283	10,074567	543607855	urn:catalog:CA
Ouest Region	Lake Mont Mb	5,5519	10,70485	543607820	urn:catalog:CA
Ouest Region	Ngindom Coc,	5,5703	10,609733	543607814	urn:catalog:CA
Ouest Region	05 06 31.98 N,	5,108883	10,615867	543607810	urn:catalog:CA
Nord-Ouest Region	Obang, 06 13 5	6,23065	10,051083	543607685	urn:catalog:CA
Est Region	Dja Reserve, B	3,190556	12,811667	543551379	urn:catalog:CA
		9,3	13,4	3025944081	https://darwin.r
Republic	Aur Afrique, C	5,078611	20,667222	2846170330	2277592a-1144
	Site 2	8,555	-8,98	197001057	197001057
	Site 1	8,531	-8,906	197000103	197000103
Ouest Region	Dschang, Lake	5,45045	10,06705	1656644339	urn:catalog:CA
ngo	~ 15 km. SW o	2,10408	16,09382	476580802	MCZ:Herp:A-1
Ituri	Ituri forest	1,9723	30,0349	2027456040	03dc98d256518
ublic of the Congo		3,165017	29,554717	1325738931	urn:catalog:SAN
Centre Region	Kon-Yambeta,	4,832611	11,061639	1656644211	urn:catalog:CA
Sud Region	Ebolowa	2,912833	11,153	543500726	urn:catalog:CA
Littoral Region Moungo Divisi	Forest above Er	4,991	9,979	1899932265	9a9806cf-bc50-
South-West Province	Bakossi Mount	5,12	9,72	1322212541	http://n2t.net/ar
Littoral Region	Nguengue	4,9172	9,9892	1321138270	http://n2t.net/ar
Littoral Region	Manengouba II,	4,959439	9,865061	890183348	urn:catalog:CA
Sud-Ouest Region	Edib Village, 4	4,96335	9,6751	890183182	urn:catalog:CA
		4,95	9,85	1830938925	http://id.smns-b
Montagnes		5,65123	-7,193874	2423258985	77055
Abidjan		5,299314	-4,013242	2366021034	27172576
Montagnes		5,89223	-7,314171	1880670961	73912
	Western Regior	5,2904	-2,63809	1303199904	http://arctos.dat
	Ashanti Region	6,68441	-1,35843	1303199898	http://arctos.dat
	Eastern Region,	6,24246	-0,5571	1303199887	http://arctos.dat
	Western Regior	5,2818	-2,64169	1303199885	http://arctos.dat
	Eastern Region,	6,12799	-0,6289	1303199883	http://arctos.dat
	Ashanti Region	6,68674	-1,34644	1303199854	http://arctos.dat
	Grebo National	5,405	-7,716	197001088	197001088
	Grebo National	5,401	-7,715	197001087	197001087
	Grebo National	5,402	-7,734	197001086	197001086
	Gola National F	7,456	-10,696	197001085	197001085

Niari			-2,316889	12,799222	2814443376	51210077
		Monts de Crist	0,45358	10,2781	2549494381	http://n2t.net/a
Littoral Region Moungo Divisi		Manengouba M	4,847781	9,819669	2430638733	urn:catalog:CA
Littoral Region Moungo Divisi		Manengouba M	4,985311	9,811139	2430638187	urn:catalog:CA
ea		Bioko Island, v	3,32492	8,67114	2426949472	http://n2t.net/a
ea		Bioko Island, L	3,46133	8,55242	2426942452	http://n2t.net/a
ea		Bioko Island, N	3,70517	8,87944	2426921674	http://n2t.net/a
ea		Bioko Island, N	3,71106	8,66664	2426890729	http://n2t.net/a
Littoral		Manjo Town, M	4,84778	9,81967	2027289305	543bf9d1-72d0-
Littoral		Nsoung, Maner	4,98531	9,81114	2027289301	9ded64e3-8447-
Centre		Yaounde and su	3,80871	11,46979	2027289210	676ea37e-4735-
Littoral Region Koupe-Manengo		Nsoung Village	4,9874	9,8144	1899932078	d631b0c1-c013-
Estuaire		Monts de Crist	0,45358	10,27809	1852457291	4de2cd87-5381-
OgoouÃ©-Lolo		OgoouÃ© Cinc	-0,81054	12,79955	1249234426	urn:catalog:OM
Ogooue-Lolo Prov.		Manioc River,	-0,87986	12,65489	1211002803	urn:catalog:CA
Ogooue-Lolo Prov.		Manioc River,	-0,80664	12,80484	1211002775	urn:catalog:CA
Moyen-Ogooue Prov.		00 03 07.38 S,	-0,05205	11,16493	1211002586	urn:catalog:CA
Moyen-Ogooue Prov.		00 10 30.072 S	-0,17502	10,78135	1211002541	urn:catalog:CA
Moyen-Ogooue Prov.		Mitone, 00 38	-0,64102	10,21766	1211002470	urn:catalog:CA
Ouest Province		Fopouanga, litt	5,008	10,1789	1145546509	http://arctos.dat
Littoral Region		Manjo, Manten	4,849681	9,771869	1062024808	urn:catalog:CA
Littoral Region		Manjo Area, M	4,84975	9,77183	1055294799	urn:catalog:CA
Provincia Wele-Nzas			1,129846	11,266032	1039482011	urn:uuid:d2ed5
Sud-Ouest Region		Edib Lake, 4 5	4,955725	9,653375	890183647	urn:catalog:CA
Sud-Ouest Region		Edib Village, 4	4,9606	9,6537	890183586	urn:catalog:CA
Est Region		Doumzok, com	2,6445	14,03115	890182854	urn:catalog:CA
Nord-Ouest Region		Lake Nios, 06	6,33595	10,035133	543607860	urn:catalog:CA
Centre Region		pond on Trail n	4,61155	12,225417	543607781	urn:catalog:CA
Littoral Region		rd between Ban	5,083283	9,95135	543607753	urn:catalog:CA
Sud-Ouest Region		05 44 51.84 N,	5,747733	9,30595	543607735	urn:catalog:CA
Sud-Ouest Region		Mamfe, 05 43	5,724883	9,349383	543607713	urn:catalog:CA
Bioko Norte Prov.		03 42 39.8 N,	3,711056	8,666639	543560703	urn:catalog:CA
Bioko Norte Prov.		03 42 18.6 N,	3,705167	8,879444	543560693	urn:catalog:CA
Bioko Sur Prov.		Luba, S edge o	3,461333	8,552417	543560691	urn:catalog:CA
Bioko Sur Prov.		vic Moka Malal	3,324917	8,671139	543560641	urn:catalog:CA
			5,06667	9,85	1830938780	http://id.smns-b
		Nsoung	4,98333	9,8	1830938761	http://id.smns-b
Littoral		E of Samakeke,	3,816667	10,116667	476576009	MCZ:Herp:A-1
Montagnes			5,831242	-7,316056	2818588557	52481790
Nyanga	Basse-Banio	Gamba, 65 km	-3,1071	10,4549	1322480059	http://n2t.net/a
Katanga		Kasongomwana	-8,7279	27,85068	2234847098	http://arctos.dat
Katanga		Ca. 3 km E of	-8,46575	27,3307	2234845986	http://arctos.dat
Tshopo		Yoko Reserve F	0,30344	25,27191	2579617018	a2c322aafff22fa
Tshopo		Yoko Reserve F	0,29397	25,29512	2579616981	29fad5635625
Tshopo		Yoko Reserve F	0,30036	25,27924	2579616619	fbf24c35743d7

Littoral			4,278399	10,31651	2634224709	46183466
ngo		Republic of the	-2,54	13,53	2310462387	KY079509
ngo		Republic of the	-2,8	13,51	2310277868	KY079511
ngo		Republic of the	-2,79	13,54	2310072467	KY079510
	Haut-Ogooue	Kessala Village	-1,86743	13,90187	1935014564	fc3fb2a5-3e01-4
	Haut-Ogooue	Kessala Village	-1,89121	13,89737	1935014477	817f2122-637f-
Ngounie		Ogooue River I	-2,11889	12,1293	1845058581	c172ec66-e7e6-
Ngounie		Congo River B	-2,03633	12,15113	1845058560	a3854587-854a-
Ngounie		Congo River B	-2,08275	12,1361	1845058557	a32f6725-23fa-4
Ngounie		Congo River B	-2,0876	12,13804	1845058509	597e38a0-762b-
Ngounie		Ogooue River I	-2,08222	12,12813	1845058497	45893e09-db72-
Nord Kivu		Ituri Forest	0,23852	28,31405	2027455397	c5f07a47cd015c
OgoouÃ©-Lolo		Mont Birougou	-1,627778	12,363056	1839364933	MCZ:Herp:A-1
Haut-OgoouÃ©		Ossele village	-1,855278	13,854167	1839364892	MCZ:Herp:A-1
OgoouÃ©-Ivindo		Minkebe Natior	1,154444	12,699167	1839364776	MCZ:Herp:A-1
Haut-OgoouÃ©		BatÃ©kÃ© Pla	-2,052417	14,064833	770686770	MCZ:Herp:A-1
Lekoumou		Kissiki field sit	-2,7885	13,5365	3028125707	http://n2t.net/ar
Lekoumou		Bambama villag	-2,54417	13,5327	3028109382	http://n2t.net/ar
Lekoumou		Kissiki field sit	-2,79783	13,5137	3028019443	http://n2t.net/ar
Haut-Ogooue Prov.		02 09 24.084 S	-2,15669	13,63455	1211002709	urn:catalog:CA
Haut-Ogooue Prov.		02 14 22.956 S	-2,23971	13,58264	1211002687	urn:catalog:CA
Sud Region		Mekas, Dja Res	3,173761	12,527139	890183039	urn:catalog:CA
Littoral Region		Ekomtolo	4,83	9,93	1322232483	http://n2t.net/ar
Southwest Regi	Ndian Division	Mondemba tow	5,06289	8,84732	1309944526	1e4159e0-3a79-
Cross River			5,23791	8,28015		Lotanna Micah
		northeast flank	8,51972	-8,88806	1830939258	http://id.smns-b
Niari			-2,2245	12,819528	3039473985	69328818
ngo		Republic of the	-2,67	13,6	2309795974	KY080047
ngo		Republic of the	-2,55	13,52	2309350055	KY079514
Ogooue-Lolo		Ogooue River I	-1,15903	11,81952	1845058628	fdf0624d-4b14-
NgouniÃ©			-1,302444	11,103573	1249274158	1850909
Haut-OgoouÃ©		Doumaye	-2,2419	13,58746	1249234349	urn:catalog:OM
Centro Sur		Asoc village on	1,5717	10,3883	1039478965	urn:uuid:c2704f
Lekoumou		Bambama villag	-2,54967	13,5178	3028136551	http://n2t.net/ar
Lekoumou		Lebayi field site	-2,66683	13,5958	3028111376	http://n2t.net/ar
Sud-Ouest Regi	Ndian Div.	vicinity of Mur	5,119211	8,859789	1324205193	urn:catalog:CA
Sud-Ouest Regi	Ndian Div.	vicinity of Mur	5,062889	8,847319	1324205012	urn:catalog:CA
Centre		Lipombe II / Ny	3,5	10,88	1321628828	http://n2t.net/ar
		Ebogo / Nyong	3,4	11,47	1319578460	http://n2t.net/ar
South Region		Nsana/Ntem	2,45	10,47	1319124644	http://n2t.net/ar
Southwest Regi	Ndian Division	Mundemba tow	5,06921	8,85979	1309944470	af21c454-3a9e-
Haut-Ogooue Prov.		02 07 28.128 S	-2,12448	13,63506	1211002742	urn:catalog:CA
Moyen-Ogooue Prov.		00 11 38.22 S,	-0,19395	10,78477	1211002530	urn:catalog:CA
Sud Region		Mekas, Dja Res	3,179031	12,528681	890183135	urn:catalog:CA
Sud Region		Mekas, Dja Res	3,173339	12,529019	890183081	urn:catalog:CA

Est Region		Ngoyla, commu	2,622781	14,024461	890182810	urn:catalog:CA
Centre Region		Sanaga River B	4,604167	12,204517	543607801	urn:catalog:CA
Sud Region		7 km ESE (by	2,8895	11,211833	543500680	urn:catalog:CA
Sud-Ouest Region		Ca Ndian (SW	4,9755	8,914	543499556	urn:catalog:CA
		Gola National F	7,453	-10,692	197004626	197004626
		Draw River	5,2	-2,4	197003857	197003857
Nyanga	Basse-Banio	Gamba, 87 km	-3,23792	10,6107	3028123252	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 77 km	-3,19297	10,5322	3028096584	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 83 km	-3,22167	10,5757	3028087645	http://n2t.net/a
Lekoumou		Bambama villa	-2,54767	13,5245	3028084371	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 47 km	-3,00256	10,338	3028068523	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 77 km	-3,19375	10,5322	3028064264	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 77 km	-3,19392	10,5321	3028001195	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 87 km	-3,23783	10,6107	3027969550	http://n2t.net/a
		Gabon:Nyanga,	-3,19	10,53	2310971374	KY080057
		Gabon:Nyanga,	-3,24	10,61	2310222834	KY079520
		Gabon:Nyanga,	-3,22	10,58	2309211937	KY079522
		Gabon:Nyanga,	-3	10,34	2308127237	KY079523
Southwest Reg	Ndian Division	Mondemba tow	5,06064	8,84673	1309944504	db63b756-0181
Tshopo		Masako Reserv	0,59729	25,26673	2579617727	efbdfd3954fcef3
Tshopo		Masako Reserv	0,60175	25,26431	2579617718	88009f90bc484
Tshopo		Masako Reserv	0,61064	25,26188	2579617613	a263330cf3c961
Tshopo		Masako Reserv	0,46404	25,2918	2579617468	9579ec33440c1
OgoouÃ©-Ivindo		Ramba Village	-0,363611	11,787222	1839349366	MCZ:Cryo:231
Littoral		Mt. Nlonako, N	4,9167	9,9333	1057297451	3348958
Sud-Ouest		Mt. Cameroun,	4,05	9,0667	1057104999	3348962
Sud-Ouest		Mt. Cameroun,	4,0667	9,1	1056912074	3348966
Sud-Ouest		Dikome Balue,	4,9667	9,25	1056686007	3348960
Sud-Ouest		Mt. Koupe, Ny	4,8	9,6833	1055811169	3348956
Southwest		Ekoneman Awa	5,625714	8,932229	476585980	MCZ:Herp:A-1
			-2,340833	9,597222	3025757073	https://darwin.r
			-2,364444	9,607778	3025593256	https://darwin.r
Western Area Prov.		Freetown to Yo	8,337667	-13,1995	543585803	urn:catalog:CA
ea		Bioko Island, P	3,62844	8,80306	2426873492	http://n2t.net/a
Bioko Norte Prov.		Pico Basile, alc	3,628444	8,803056	543560357	urn:catalog:CA
Volta Region		on trail W of K	8,42451	0,57122	1145562694	http://arctos.dat
Volta Region		South Repeater	8,34842	0,60111	1145562687	http://arctos.dat
Volta Region		Bad-Legged Ma	8,43526	0,60433	1145562685	http://arctos.dat
Volta Region		on trail, Kue Ri	8,50844	0,62439	1145562682	http://arctos.dat
Volta Region		~1.8km SW of	8,33383	0,59449	1145562677	http://arctos.dat
Volta Region		along trail to B	8,44091	0,58736	1145562651	http://arctos.dat
Volta Region		Middle Control	8,40518	0,59404	1145562611	http://arctos.dat
Volta Region		Togo Hills, Ky	8,32478	0,55478	1145557817	http://arctos.dat
Volta Region		Togo Hills, Ky	8,33019	0,59411	1145557804	http://arctos.dat
Volta Region		Togo Hills, Ky	8,32512	0,55407	1145557795	http://arctos.dat

Volta Region		Togo Hills, Ky	8,33359	0,57276	1145557790	http://arctos.dat
Volta Region		Togo Hills, Ky	8,32518	0,5573	1145557750	http://arctos.dat
			6,8527778	3,029166667		
			4,51	9,54		
Taraba		Ngel Nyaki, at	7,086111	11,066639	476803418	MCZ:Herp:A-1
Northwest		Elak Oku Villa	6,245833	10,506389	476582970	MCZ:Herp:A-1
Taraba		Yelwa	7,088361	11,085167	476508231	MCZ:Herp:A-1
Cross River			5,23891	8,28154		Lotanna Micah
Cross River			5,23975	8,28356		Lotanna Micah
Cross River			5,24016	8,28512		Lotanna Micah
Nyanga	Basse-Banio	Gamba, 85 km	-3,22575	10,5975	3028105883	http://n2t.net/a
		Gabon:Nyanga,	-3,23	10,6	2306605873	KY080068
Southwest Reg	Koupe-Manengo	Fulani village a	5,013	9,87	1899932081	93248304-90f3-
Southwest Reg	Koupe-Manengo	Fulani village a	5,023	9,876	1899932067	18e13116-50b7
Southwest Reg	Ndian Division	Dikome-Balue	4,9287	9,2443	1309944664	f275fc64-b7b0-
Southwest		Mt. Manengoul	5,019167	9,851111	476582969	MCZ:Herp:A-1
Southwest		Mt. Manengoul	5,03	9,843611	476582968	MCZ:Herp:A-1
Southwest		Nsoung [VERB	4,984722	9,811389	476582966	MCZ:Herp:A-1
			-7,3833	20,8333		
Haut-Ogooue Prov.		02 09 27.5904	-2,157664	13,63431	1211002724	urn:catalog:CA
Bioko Sur Prov.		vic Moka Malal	3,360972	8,667417	543561068	urn:catalog:CA
Lekoumou		Lebayi field sit	-2,6675	13,6022	3028133781	http://n2t.net/a
Lekoumou		Bambama villa	-2,54733	13,5303	3028114368	http://n2t.net/a
Lekoumou		Kissiki field sit	-2,79583	13,5035	3028110091	http://n2t.net/a
Lekoumou		Kissiki field sit	-2,78978	13,5344	3028106223	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 85 km	-3,23903	10,5921	3028103161	http://n2t.net/a
Likouala		Impongui	1,08811	17,3074	3028093235	http://n2t.net/a
Lekoumou		Lebayi field sit	-2,666	13,5962	3028064576	http://n2t.net/a
Lekoumou		Kissiki field sit	-2,792	13,5132	3028037390	http://n2t.net/a
Likouala		Impongui	1,0769	17,2997	3028021073	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 87 km	-3,23733	10,6111	3027988191	http://n2t.net/a
Lekoumou		Lebayi field sit	-2,67767	13,5872	3027974552	http://n2t.net/a
Est			3,201268	12,80839	2901606327	19662277
ea		Bioko Island, v	3,36097	8,66742	2426827084	http://n2t.net/a
ngo		Republic of the	-2,55	13,53	2310449127	KY079551
ngo		Republic of the	1,08	17,3	2310426815	KY079554
		Gabon:Nyanga,	-3,24	10,59	2309124241	KY079556
ngo		Republic of the	-2,68	13,59	2306511218	KY080079
ngo		Republic of the	-2,8	13,5	2306327156	KY080076
ngo		Republic of the	-2,79	13,51	2305353097	KY079545
ngo		Republic of the	-2,79	13,53	2305350264	KY080077
	Haut-Ogooue	Kessala Village	-1,89084	13,8985	1935014567	ff894c92-7e0a-4
	Haut-Ogooue	Edjangoulou Vi	-1,48393	14,39912	1935014562	fc957635-c88e-
Ogooue-Lolo		Ogooue River I	-1,16641	11,81552	1839291942	f7c5c3e8-a6d8-4
Ngounie		Congo River B	-2,05552	12,15799	1839291419	55b0f2e3-a1ef-4

Kouilou	Mvouti	0.28 mi NW Lc	-4,711917	12,273833	1837125334	fc9ffc94-f3b3-4(
Kouilou	Mvouti	0.25 mi WNW	-4,712306	12,274278	1837125024	746be39e-1af9-4
Kouilou	Mvouti	0.33 mi NNW I	-4,708556	12,276472	1837124939	548a749e-3286-
Kouilou	Pointe Noire	PFA4 & PFA5	-4,471944	12,013889	1837124933	5231eaab-3bf0-4
Haut-OgoouÃ©		Mboua	-2,15461	13,6414	1249234268	urn:catalog:OM
Moyen-Ogooue Prov.		00 11 34.908 S	-0,19303	10,78067	1211002544	urn:catalog:CA
Moyen-Ogooue Prov.		00 10 06.204 S	-0,16839	10,78291	1211002518	urn:catalog:CA
Moyen-Ogooue Prov.		Mitone, 00 38	-0,64375	10,22071	1211002485	urn:catalog:CA
Sud Region		Mekas, Dja Res	3,1738	12,526619	890183189	urn:catalog:CA
Sud Region		Mekas, Dja Res	3,177619	12,532611	890183137	urn:catalog:CA
Sud Region		Mekas, Dja Res	3,169119	12,528869	890183012	urn:catalog:CA
Est Region		Mebam, commu	2,6106	14,0234	890182788	urn:catalog:CA
Est Region		Dja Reserve, 03	3,179444	12,813889	543551596	urn:catalog:CA
Tshopo		Uma	0,53427	25,96899	2579617275	ab9c8b755ebee4
Tshopo		Yoko Reserve F	0,283333	25,28333	2579616617	255d6f99bdfede
OgoouÃ©-Ivindo		LopÃ© Nationa	-0,389444	11,823889	1839364897	MCZ:Herp:A-1
Haut-OgoouÃ©		BatÃ©kÃ© Pla	-1,971317	13,991367	872982339	MCZ:Herp:A-1
Haut-OgoouÃ©		BatÃ©kÃ© Pla	-2,080683	14,06365	872982328	MCZ:Herp:A-1
OgoouÃ©-Ivindo		Ivindo National	0,50367	12,79407	476768502	MCZ:Herp:A-1
Taraba		Ngel Nyaki	7,096722	11,05875	476767538	MCZ:Herp:A-1
Sud-Ouest		Mt. Cameroun,	4,1167	9,1	1057506296	3349002
Nyanga	Basse-Banio	Gamba, 80 km	-3,22036	10,5484	3028123830	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 87 km	-3,23239	10,6188	3028097447	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 80 km	-3,22228	10,5455	3028054559	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 81 km	-3,2205	10,551	3028040119	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 80 km	-3,22061	10,548	3028038448	http://n2t.net/a
Niari			-2,344778	12,777667	2814349329	51207458
		Gabon:Nyanga,	-3,22	10,55	2310793404	KY079558
		Gabon:Nyanga,	-3,23	10,62	2309375622	KY080085
Southwest Regi	Fako Division	Northeastern slo	4,24729	9,26588	1899932360	df20cc73-2b43-
Southwest Regi	Fako Division	Northeastern slo	4,231	9,279	1899932306	af659b35-fb85-4
Littoral Region	Moungo Divisi	Enguengue Vill	4,91725	9,98705	1899932126	7e646cdb-5fe6-4
Est Region		Doumzok, com	2,644719	14,035169	890182750	urn:catalog:CA
Sud-Ouest			4,180018	9,246368	2802547301	101539
Sangha			2,211192	16,192956	2563442693	2319903
ea		Bioko Island, v	3,36161	8,66881	2426936543	http://n2t.net/a
ea		Bioko Island, v	3,33181	8,66953	2426868571	http://n2t.net/a
Bioko Norte			3,629924	8,776703	1457583757	4776126
Littoral Region		Eyimba	4,88	9,98	1321352318	http://n2t.net/a
Littoral Region		Yingui/Makom	4,6	10,27	1317838902	http://n2t.net/a
Nord-Ouest		Bamenda Highl	5,93549	10,12953	1249225788	92902b33-f687-
Moyen-Ogooue Prov.		Cariven Ville, (	-0,1766	10,77973	1211002506	urn:catalog:CA
Moyen-Ogooue Prov.		Cariven Ville, (	-0,17707	10,77959	1211002497	urn:catalog:CA
Moyen-Ogooue Prov.		00 10 51.348 S	-0,18093	10,77828	1211002492	urn:catalog:CA
Moyen-Ogooue Prov.		Mitone, 00 38	-0,64073	10,21873	1211002458	urn:catalog:CA

Moyen-Ogooue Prov.	Mitone, 00 38	-0,64286	10,21713	1211002441	urn:catalog:CA
Bioko Sur Prov.	vic Moka Malal	3,361611	8,668806	543560958	urn:catalog:CA
Bioko Sur Prov.	vic Moka Malal	3,331806	8,669528	543560949	urn:catalog:CA
Haut-Zaire Prov.	Zone of Mamba	1,397778	28,57	543547938	urn:catalog:CA
Haut-Zaire Prov.	Zone of Mamba	1,378667	28,554	543547937	urn:catalog:CA
Brong-Ahafo	~26 km SW of	6,701483	-2,761367	45640630	fd85bbae-fdee-1
Tshopo	Yoko Reserve I	0,30333	25,27191	2579616631	595fb5311a03d
	Ebonemin	5	9,73333	1830938766	http://id.smns-b
		4,96667	9,86667	1830938733	http://id.smns-b
	Summit	5,01667	9,86667	1830938662	http://id.smns-b
		5,01667	9,76667	1830938659	http://id.smns-b
	Mgba Lakes	5,03333	9,81667	1830938653	http://id.smns-b
Sud-Ouest	Mt. Cameroun,	4,0833	9,1	1057471267	3348892
Sud-Ouest	Barombi Mbo I	4,65	9,4167	1057400014	3348888
Sud-Ouest	Korup National	5,05	8,8333	1056808562	3348978
Sud-Ouest	Buea, Tole Tea	4,1333	9,2333	1056776286	3348982
Sud-Ouest	Mt. Koupe, Ny	4,8333	9,6833	1055795461	3348980
Southwest	Nsoung [VERB	4,983333	9,813333	476582967	MCZ:Herp:A-1
Southwest	E of Ntale Villa	5,331392	9,65812	476578148	MCZ:Herp:A-1
Tshopo	Kayete	0,12846	25,62389	2027456325	f89cc2c9665c16
Ituri	Ituri forest	2,19766	30,11468	2027456133	8655a15794caa
Cross River	Obudu Cattle R	6,42517	9,36238	1145566136	http://arctos.dat
Cross River	Stream south o	5,35679	8,43212	1145566121	http://arctos.dat
Lekoumou	Loungou field s	-2,49067	13,7183	3028131662	http://n2t.net/a
Lekoumou	Lebayi village	-2,67517	13,5885	3028109149	http://n2t.net/a
Lekoumou	Lebayi field sit	-2,67783	13,5868	3028097791	http://n2t.net/a
Lekoumou	Loungou field s	-2,4922	13,7431	3028077675	http://n2t.net/a
Sangha		0,749304	15,246299	2963813340	35666265
Niari		-2,442861	12,9685	2851008909	55204897
ngo	Republic of the	-2,49	13,72	2310964220	KY079564
ngo	Republic of the	-2,49	13,74	2309302608	KY079563
Haut-Ogooue	Kessala Village	-1,866278	13,903825	1935014525	c4bd02f0-b685-
Ogooue-Lolo	Ogooue River I	-1,17436	11,82401	1839291552	7cd705e1-b8dc-
Ngounie	Congo River B	-2,10339	12,13954	1839291544	7965c795-58b2
OgoouÃ©-Lolo		-0,17527	12,537088	1586915642	3532248
Estuaire		0,373533	10,475464	1305164566	3971458
Haut-Ogooue Prov.	02 14 15.612 S	-2,23767	13,58085	1211002667	urn:catalog:CA
Haut-Ogooue Prov.	02 14 17.016 S	-2,23806	13,58235	1211002590	urn:catalog:CA
Est Region	Zoulabot II, cor	2,900961	13,9042	890182768	urn:catalog:CA
		4,98333	9,86667	1830938654	http://id.smns-b
Sud-Ouest Reg	Ndian Div.	vicinity of Mur	5,119111	8,859719	1324205013	urn:catalog:CA
South-West Province	Bakossi Mount	2,8	9,9	1321555663	http://n2t.net/a
Southwest Reg	Ndian Division	Mondemba tow	5,06911	8,85972	1309944556	0f0d8758-7fbb-
Sud-Ouest Region	Forest path fror	4,94517	9,68979	890183651	urn:catalog:CA
Sud-Ouest Region	Edib Village, 4	4,9606	9,6686	890183621	urn:catalog:CA

Sud-Ouest Region	Ekenzu, 4 56 5	4,94781	9,69563	890183570	urn:catalog:CA
Western		5,210412	-2,648866	2366012560	20053584
	Western Regior	5,21956	-2,65039	1303200083	http://arctos.dat
	Western Regior	5,27742	-2,63731	1303200066	http://arctos.dat
	Banco National	5,416667	-4,05	911915463	
	Boullere (Sanga	11,13	-13,97	197015194	197015194
Gbapolu		7,30327	-10,34164	2999147425	54274780
Sinoe		5,477319	-9,272852	2850955793	53983575
	Molakole, Gbar	7,18911	-10,15109	2147657230	http://arctos.dat
Sinoe	Juarzon, Nindoa	5,5	-9,5	1211735557	URI:catalog:RC
	Eastern Region,	6,23326	-0,56184	1146416510	http://arctos.dat
Atlantique	Lama(F.C)	6,9166	2,1666	1042789522	8624
Zou	ForÃªt de Loko	7,0833	2,1	1042789498	8623
Atacora	RB Pendjari	10,9333	1,1166	1042789474	8622
	Cold water strea	7,546389	-8,541111	1265266904	9aa8787a-fff0-4
	Yiti west Nimb	7,516111	-8,704167	1265266844	92ee2ea5-8173-
	Dehn river, Lug	7,608611	-8,622778	1265266821	8a830cf8-88ad-
	Liend stream, N	7,485556	-8,656667	1265266660	78b30832-e650
	Ewah stream, N	7,578056	-8,611111	1265266491	59c5d0e8-2d2c-
	Yuelliton Strea	7,559722	-8,631389	1265266400	4b353985-5562
	Small stream or	7,461944	-8,666389	1265266386	4f035ed5-4ab7-
	Small stream or	7,458333	-8,665556	1265266348	41d56a6b-5596
	Bee river, Sanic	7,369556	-8,697278	1265266189	36151b47-fc21-
	Gola National F	7,456	-10,691	197015331	197015331
	Pic de Fon	8,533	-8,9	197015298	197015298
South-West Province	Lake Edib	4,95	9,67	1319539193	http://n2t.net/ar
Southwest	Nsoung	4,981389	9,813333	476575812	MCZ:Herp:A-1
Southwest Regi	Koupe-Manengo	Fulani village a	5,041	9,857	1899932129	ae9eb28b-4e49-
West	Mt. Mbam	5,983333	12,416667	476588307	MCZ:Herp:A-1
West	Mt. Mbam	5,766667	14,1	476588306	MCZ:Herp:A-1
Northwest	Lake Awing [V	5,863056	10,198889	476583061	MCZ:Herp:A-1
West	Bamboutos	5,623333	10,110833	476583059	MCZ:Herp:A-1
Southwest	Nsoung [VERB	4,984722	9,811111	476575719	MCZ:Herp:A-1
Likouala	Ganganya Brou	1,5142	17,9378	3028136661	http://n2t.net/ar
ngo	Republic of the	1,51	17,94	2311074037	KY080096
Equateur	Npenda Village	-0,73836	18,22145	2234845627	http://arctos.dat
Likouala	Ganganya Brou	1,51413	17,9378	1322552427	http://n2t.net/ar
Haut-Ogooue Prov.	02 09 13.788 S	-2,15383	13,64176	1211002684	urn:catalog:CA
Tshopo	Masako Reserv	0,59769	25,26007	2579617241	b4bf23cb1045d
Tshopo	Masako Reserv	0,59852	25,26009	2579617029	f34fc002e7e6a4
ngo	near Bomassa	2,203676	16,185426	476592938	MCZ:Herp:A-1
	Boi-Tano/Tano	5,533	-2,617	197015260	197015260
Borgou	Agbassa	8,800324	2,254953	2465039304	2019_AN_0106
OuÃ©mÃ©	Bonou, Gnanhc	6,932059	2,385821	2237035513	ODDB_226
OuÃ©mÃ©	Bonou, Gnanhc	6,931099	2,385525	2237035469	ODDB_231

Abidjan		5,385708	-4,051203	1948745435	18730415
Moyen-Ogooue Prov.	Lac Oguemoue,	-1,1006	10,0299	890184010	urn:catalog:CA
Moyen-Ogooue Prov.	Lac Oguemoue,	-1,11043	10,03305	890183943	urn:catalog:CA
Bioko Sur Prov.	ca 3.6 km N (b	3,483028	8,582	543561101	urn:catalog:CA
		7,2333333	12,05		
Niari		-2,326778	12,793028	2851010976	55211735
Niari		-2,326722	12,792417	2814194051	51087633
Bandundu	Nkala Village v	-2,58555	16,47182	2234845828	http://arctos.dat
	Ndikinimeki, C	4,757361	10,811111	1989834111	a4b6f65f-d1cc-4
	Befolon, near S	3,486667	12,800056	1989833862	803b4b9f-16e0-
	Kon-Yambetta,	4,834139	11,058278	1989833797	94493b5e-9e3c-
Sud	Campo Maan N	2,35495	10,26555	1135646354	urn:catalog:TC
Littoral Region	Manjo, Manten	4,850003	9,767336	1062024842	urn:catalog:CA
Niari		-2,405889	12,841444	2850959965	55208171
	MÃ©keng, Oss	3,4	11,25	614811258	
Niari		-2,419139	12,873833	2850606016	55205802
Littoral		4,30031	10,338483	2626340821	46183464
	Manjo, Littoral	4,827056	9,78575	1989834081	f8cb6f96-fdbf-4
Haut-Ogooue	Edjangoulou Vi	-1,45549	14,4254	1935014452	5297e0c0-0915-
Ogooue-Lolo	Ogooue River E	-1,16282	11,81675	1839291880	e1573d55-d1ea-
South West Re	Ndian	Korup National	5,275	9,18	1319921133
Haut-Ogooue Prov.	02 14 20.94 S,	-2,23915	13,57826	1211002661	urn:catalog:CA
Ouest Region	Bangoua, 5 13	5,21687	10,48567	890184354	urn:catalog:CA
Ouest Region	Bangoua, 5 12	5,20937	10,48862	890183666	urn:catalog:CA
Est Region	Ca Yokadouma	3,522667	15,0525	543499588	urn:catalog:CA
Centre	Nkalakie Villag	3,966389	11,3775	476575718	MCZ:Herp:A-1
Lekoumou	Bambama villa	-2,547	13,5303	3028130161	http://n2t.net/a
Lekoumou	Kissiki field sit	-2,78983	13,517	3028089520	http://n2t.net/a
Cuvette-Ouest		0,436028	14,700605	2451716474	35278285
ngo	Republic of the	-2,79	13,52	2310358148	KY079572
		-1,9425	9,8525	3025926976	https://darwin.r
Littoral	Mt. Manengoul	5,010556	9,856667	476797206	MCZ:Herp:A-1
Cross River	Stream behind	6,42087	9,35961	1145566225	http://arctos.dat
Eastern		7,7739	-10,7159	891767196	465159
		5,83431	-7,34917	1830943125	http://id.smns-b
	Guiroutou	5,41667	-7,16667	1830942110	http://id.smns-b
	SRET Station	5,83328	-7,34239	1830942082	http://id.smns-b
	Mount Bero	8,13908	-8,57325	1830942048	http://id.smns-b
	Simandou, 6 k	8,52498	-8,93673	1830942017	http://id.smns-b
	Draw River	5,16165	-2,39199	1830942010	http://id.smns-b
Nord-Ouest Region	Mt. Oku, 6 13	6,221914	10,524539	1062024862	urn:catalog:CA
Sud-Ouest	Dikome Balue,	4,9167	9,25	1056782307	3349030
Sud-Ouest	Mt. Manengoul	5,0333	9,85	1055512026	3349026
West	near Bambouto	5,668611	10,103056	476481337	MCZ:Herp:A-1
Northwest	Mt. Oku, forest	6,183333	10,516667	476479880	MCZ:Herp:A-1

Southwest Reg	Koupe-Maneng	Fulani village a	5,051	9,853	1899932149	6a5772c4-3fce-4
Southwest Reg	Koupe-Maneng	Fulani village a	5,036	9,864	1899932105	e452b417-8473
		Pastoral	5	10,41667	1830942122	http://id.smns-b
West		Bamboutos	5,661389	10,126944	476588848	MCZ:Herp:A-1
Northwest		Elak Oku Villa	6,244167	10,504722	476577077	MCZ:Herp:A-1
South Kivu		Reserve Naturel	-3,43153	29,01164	2234844755	http://arctos.dat
South Kivu		Reserve Naturel	-3,43184	29,01411	2234844565	http://arctos.dat
		Grebo National	5,406	-7,735	197063432	197063432
		Foret Classee d	8,142	-8,569	197061415	197061415
		Foret Classee d	8,139	-8,573	197061414	197061414
		Foret Classee d	7,496	-8,833	197061413	197061413
		Foret Classee d	7,595	-8,865	197061412	197061412
		Foret Classee d	7,595	-8,221	197061411	197061411
Niari			-2,301667	12,845	3044634879	69382866
Lekoumou		Loungou field s	-2,4856	13,7172	3028077645	http://n2t.net/a
Lekoumou		Kissiki field sit	-2,78983	13,5343	3028031970	http://n2t.net/a
		Campo, Mintor	2,37175	9,855389	1989834039	b0feaef8-a577-4
South West Region		Tancho / Lokou	3,02	10,4	1320495620	http://n2t.net/a
Ogooue-Lolo Prov.		Manioc River, (	-0,86831	12,67244	1211002797	urn:catalog:CA
Moyen-Ogooue Prov.		Elephant River,	-0,04916	11,16428	1211002609	urn:catalog:CA
Moyen-Ogooue Prov.		Mitone River, (	-0,63971	10,21318	1211002489	urn:catalog:CA
Bioko Sur Prov.		Arena Blanca rc	3,52775	8,579389	543560896	urn:catalog:CA
Sud Region		157 km SW Eb	2,408667	10,405833	543500735	urn:catalog:CA
Sud Region		Avundi, 35 km	3,133889	10,9305	543500734	urn:catalog:CA
Sud Region		Lolodorf	3,2345	10,729333	543500681	urn:catalog:CA
OgoouÃ©-Ivindo		Ivindo National	0,29271	12,57392	476772801	MCZ:Herp:A-1
OgoouÃ©-Maritime		IguÃ©la	-1,90217	9,32854	476765661	MCZ:Herp:A-1
Northwest		Obang, forest re	6,228333	10,0875	476578485	MCZ:Herp:A-1
OgoouÃ©-Maritime		IguÃ©la	-1,8238	9,38251	476508385	MCZ:Herp:A-1
		Eastern Region,	6,23272	-0,55196	1146416545	http://arctos.dat
Littoral Region		Mangamba	4,8	9,88	1322308750	http://n2t.net/a
South Region		Njabelobe / Kie	2,78	10,62	1321064496	http://n2t.net/a
South West Region		Bibindi / Loko	3,08	10,4	1317841196	http://n2t.net/a
Littoral Region		Ebako	4,85	9,87	1317651053	http://n2t.net/a
Littoral Region		Mamba / Diban	4,28	10,13	1317253741	http://n2t.net/a
Littoral			4,649994	9,873588	1253297610	1037627
Littoral Region		Manjo, Manten	4,855081	9,818769	1062024707	urn:catalog:CA
Littoral Region		Manjo, Manten	4,850581	9,767056	1062024764	urn:catalog:CA
Sud-Ouest Region		Mt Cameroun,	4,116667	9,1	543510790	urn:catalog:CA
Niari			-2,410889	13,017167	2813861805	51086768
		Nsoung, near M	6,98625	9,812472	1989834107	a1f36d1e-6d5a-4
		Nsoung, near M	4,829694	9,689028	1989834055	d24105b7-0d2a-
		Nyassoso, Sout	4,802083	9,706778	1989833924	599cfd04-72f6-4
		Nsoung, near M	4,98625	9,812472	1989833919	53332dec-f175-4
		Befolon, East re	3,395	12,745	1989833905	41b8dfc1-7bd5-

		Nsoung, near M	8,98625	9,812472	1989833878	980975a8-bfb2-
		Nsoung, near M	7,98625	9,812472	1989833801	34da6bbe-f2bf-4
		Nsoung, near M	5,98625	9,812472	1989833747	58145944-4ae7-
		Nanfang, Manjo	4,72	9,746861	1989833712	22c27103-21af-4
Kouilou	Pointe Noire	0.53 mi N Tchi	-4,473472	12,020778	1837124977	63c48ecc-5f9b-4
Littoral Region		Mt. Nlonako	4,9	9,966667	1317645784	http://n2t.net/ar
Centre Region		Ndikinimeki, 0	4,762867	10,820983	1211003625	urn:catalog:CAS
Sud-Ouest Region		Etam, 04 43 30	4,725033	9,55345	1211003602	urn:catalog:CAS
Sud-Ouest Region		Etam, 04 43 05	4,7181	9,535833	1211003532	urn:catalog:CAS
Eastern Region		Ajenjua Bepo F	6,36229	-1,03482	1145565438	http://arctos.dat
Sud Region		Mekas, Dja Res	3,186417	12,559769	890183122	urn:catalog:CAS
Ituri		Ituri Forest	1,2386	28,34122	2027455399	710147cc5c022
Nyanga	Basse-Banio	Gamba, 61 km	-3,0826	10,4372	3028093712	http://n2t.net/ar
Nyanga	Basse-Banio	Gamba, 61 km	-3,08791	10,4283	3028086304	http://n2t.net/ar
Nyanga	Basse-Banio	Gamba, 87 km	-3,2376	10,6108	3028083145	http://n2t.net/ar
OgoouÃ©-Maritime		Gamba, SW of,	-2,79122	10,0596	3028067660	http://n2t.net/ar
		Gabon:Nyanga,	-3,09	10,43	2310369619	KY080121
		Gabon:Nyanga,	-3,08	10,44	2309528172	KY080124
		Gabon:Ogooue-	-2,79	10,06	2308600760	KY080122
			-2,340278	9,594444	3026148588	https://darwin.r
			-2,344167	9,636667	3025768820	https://darwin.r
Est Region		Ngoyla, commu	2,379411	14,016	890182794	urn:catalog:CAS
		Befolon, East r	3,482139	12,796944	1989834161	fe443d9f-a42a-4
		Befolon, near S	3,482306	12,796417	1989834148	e17cc935-a5a8-4
		Befolon, East r	5,482306	12,796417	1989834126	b629e8d1-6362-
Sud Region		Bidjouka near E	3,10725	10,451183	1656644401	urn:catalog:CAS
Sud-Ouest Region		Etam, 04 42 48	4,713383	9,542117	1211003635	urn:catalog:CAS
Sud-Ouest Region		Etam, 04 42 47	4,713133	9,543117	1211003632	urn:catalog:CAS
Sud-Ouest Region		Mundame, 04 3	4,551417	9,522533	1211003592	urn:catalog:CAS
Sud-Ouest Region		04 43 33.3 N, (	4,725917	9,552933	1211003577	urn:catalog:CAS
Sud-Ouest Region		Mundame, 04 3	4,557033	9,522717	1211003565	urn:catalog:CAS
Sud-Ouest Region		04 43 33.3 N, (	4,725917	9,502933	1211003526	urn:catalog:CAS
Niari			-2,402444	12,985556	2850576919	55210151
South Region		Lobe, Pygmy v	2,75	9,93	1319730381	http://n2t.net/ar
Sud		Campo Maan N	2,24842	9,95893	1135646059	urn:catalog:TC
Haut-OgoouÃ©		BatÃ©kÃ© Pla	-1,9816	14,001133	872982347	MCZ:Herp:A-1
Ituri		Ituri Forest	1,23765	28,33962	2027455403	ad8480dab40fc9
Likouala		Impongui, near	1,07847	17,2927	3028131935	http://n2t.net/ar
ngo		Republic of the	1,08	17,29	2310423001	KY080139
Sud-Ouest			4,561006	9,560858	2397175765	105110
Littoral			4,609103	9,862424	1847411608	104896
Littoral Region		Mount Maneng	5,03	9,83	1317588369	http://n2t.net/ar
Nord-Ouest Reg	Boyo Division	Mt Oku Mbam,	6,278189	10,507019	2430638928	urn:catalog:CAS
Nord-Ouest Reg	Mezam Divisio	Bamenda Highl	5,927161	10,125811	2430638874	urn:catalog:CAS
Centre Region	Mfoundi Divisi	Yaounde and su	3,808711	11,469789	2430638778	urn:catalog:CAS

Nord-Ouest	Bamenda Highl	5,92716	10,12581	1249225743	d983e927-196c-
Volta Region	~100m N of Ca	8,40584	0,59387	1145562744	http://arctos.dat
Volta Region	Togo Hills, Ky	8,3226	0,55621	1145558349	http://arctos.dat
Volta Region	Togo Hills, Ky	8,3226	0,55622	1145557891	http://arctos.dat
Volta Region	Togo Hills, Nk	8,24435	0,52426	1145557824	http://arctos.dat
Ituri	Ituri, road 05 k	1,39693	28,58587	2853503375	http://arctos.dat
	Ivindo National	0,49986	12,8018	2549513710	http://n2t.net/ar
Ogooue-Ivindo	Ivindo National	0,49986	12,80182	1852459457	4df6872e-5381-
Sud-Ouest Province	WCS station, N	5,337367	9,4739	1145546428	http://arctos.dat
Ituri	Ituri Forest	1,24554	28,34337	2027455407	ef858bbc141462
Cross River		5,21872	8,27017		Lotanna Micah
Cross River		5,21345	8,26087		Lotanna Micah
Cross River		5,21654	8,26132		Lotanna Micah
Cross River		5,21765	8,26236		Lotanna Micah
		5,22365	8,26137		
Sud	Campo Maan N	2,34678	10,28075	1135646195	urn:catalog:TC\
Orientale	SOTEXKI facto	0,550007906	25,156321	1852435428	4cc7da36-5381-
ublic of the Congo	Boteka	-0,333333	19,116667	462396134	eefd309f-50ca-4
	Ndimako1, Bat	4,3885	14,384611	1989834241	e044018e-7928-
Sinoe		5,201773	-8,916622	3031950811	53570565
Lofa		8,10975	-9,529609	2813918133	51479759
Sinoe		5,064557	-8,525354	2802553178	49820042
Sinoe		5,273043	-8,863186	2641573717	49242846
	Veloqua, Gbarp	7,0793	-10,68099	2147657253	http://arctos.dat
	Grebo National	5,405	-7,73	197131310	197131310
	Site 2	8,515	-8,943	197131296	197131296
	Foret Classee d	8,152	-8,58	197131255	197131255
	Foret Classee d	7,596	-8,872	197131245	197131245
	Foret Classee d	7,52	-8,839	197131244	197131244
	Foret Classee d	7,518	-8,836	197131241	197131241
	Foret Classee d	7,604	-8,212	197130768	197130768
	Site 2	8,556	-8,937	197130116	197130116
	Site 2	8,516	-8,943	197130097	197130097
	Site 2	8,534	-8,974	197130028	197130028
Western		6,624581	-3,065186	2862564171	58941198
Western		6,443333	-2,793961	2862311167	58941102
Sud-Ouest		4,301529	9,273777	2563428397	104907
Borgou	Agbassa	8,816667	2,283333	2465039858	2019_AN_0707
Sud-Ouest		4,14104	9,07461	2397450302	15223427
Eastern		6,230636	-0,557797	1935580076	15931816
Littoral Region Moungo Divisi	Nkongsamba	4,94	9,934	1899932181	6bd51946-949a
	Ashanti Region	6,72604	-1,5275	1146416370	http://arctos.dat
	Ashanti Region	6,83673	-1,72202	1146416355	http://arctos.dat
	Ashanti Region	6,84341	-1,72813	1146416352	http://arctos.dat
	Ashanti Region	6,82944	-1,73146	1146416343	http://arctos.dat

Cross River	Butatong, Cros	6,40234	9,1582	1145566268	http://arctos.dat
Eastern Region	1 km S New Al	6,32885	-0,99939	1145565406	http://arctos.dat
Volta Region	pond just W of	8,42942	0,56544	1145562771	http://arctos.dat
Volta Region	along Kue Roac	8,48547	0,57645	1145562765	http://arctos.dat
Greater Accra Region	ca. 10 mi N of	5,651867	-0,1694	1145558395	http://arctos.dat
Western Region	Ankasa Nationa	5,28434	-2,64861	1145557945	http://arctos.dat
Greater Accra Region	ca. 34 km NE c	5,84137	0,11555	1145557925	http://arctos.dat
Sud-Ouest Province	Mamfe Rd., Ng	5,331033	9,429317	1145546571	http://arctos.dat
Zou	Forest de Lama	6,96026	2,1683	1135645515	urn:catalog:TC'
Littoral Region	Manjo, Manten	4,814753	9,769144	1062024564	urn:catalog:CA
Littoral Region	Manjo Area, M	4,95539	9,86786	890183397	urn:catalog:CA
Eastern Region	Muni Lagoon, '	5,353889	-0,703333	687014890	b0623df0-b069
Eastern Region	Muni Lagoon, '	5,321389	-0,688056	686691484	b13706f7-b069
		7,28333	-4,26667	1830946577	http://id.smns-b
	ComoÃ©- Nati	8,75	-3,78333	1830946570	http://id.smns-b
Southwest	Mamfe [VERB.	5,725	9,308333	476802810	MCZ:Herp:A-1
	Gola National F	7,446	-10,651	197131311	197131311
	Kou Forest	11,1872	-4,44185	2974253801	038C87CCFFC
	Comoe-Leraba I	9,92522	-4,57575	2974253700	038C87CCFFC
	Leraba Forest	9,88809	-4,61954	2974253430	038C87CCFFC
Cross River		5,21243	8,26067		Lotanna Micah
Cross River		5,21376	8,26345		Lotanna Micah
Cross River		5,21432	8,26541		Lotanna Micah
Cross River		5,21564	8,26672		Lotanna Micah
Cross River		5,21653	8,26832		Lotanna Micah
Cross River		5,21765	8,26973		Lotanna Micah
South Kivu	Itombwe Platea	-3,0766	28,8167	2234846333	http://arctos.dat
South Kivu	Itombwe Platea	-3,00658	28,75005	2234846091	http://arctos.dat
South Kivu	Itombwe Platea	-3,36255	28,87713	2234844872	http://arctos.dat
Katanga	Kabobo Plateau	-5,1077	29,0413	2234844288	http://arctos.dat
South Kivu	Itombwe Platea	-3,74924	28,74738	2234843156	http://arctos.dat
Nord Kivu	Ituri Forest	0,23852	28,33962	2027455434	fbb5189d844db
Central		5,349247	-1,383161	2862581183	58941528
Maritime		6,37116	1,112802	2563466647	34156256
Lagos		6,44168	3,535548	2563451599	2841746
Maritime		6,440622	1,176427	2563438784	20076486
Montagnes		5,83639	-7,335833	2423258561	73916
	Kolmbomo, Ba	4,418139	14,309639	1989833994	affe0f46-a326-4
Zou		6,949874	2,188339	1438004143	YTDR_00118
Altantique	Abomey-Calavi	6,42292	2,34996	1135645548	urn:catalog:TC'
Lagos		6,663608	3,669929	1088979943	1487044
Western Area Prov.	Freetown to Yo	8,340833	-13,2125	543585570	urn:catalog:CA
	western border	5,36667	-7,28333	1830946892	http://id.smns-b
	Grebo National	5,398	-7,709	197131313	197131313
	Foret Classee d	7,597	-8,201	197130775	197130775

Cross River		27 km E of Cal	5,1335	8,523667	543501014	urn:catalog:CA
Cross River			5,21963	8,26387		Lotanna Micah
Cross River			5,21984	8,26743		Lotanna Micah
Cross River			5,22864	8,26874		Lotanna Micah
Cross River			5,22971	8,26901		Lotanna Micah
Kouilou			-4,596083	12,179389	2850616912	55204241
Zou		Zogbodomey, (	6,947972	2,381973	2237035472	ODDB_13
Western			5,103758	-1,959096	1901091434	9623886
Kouilou	Mvouti	Lake, 0.47 mi N	-4,709694	12,271944	1837125336	fb36ee6d-9dd8-
Kouilou	Pointe Noire	River 1.78 mi N	-4,462917	12,039444	1837125019	72faa633-f190-4
Moyen-OgoouÃ©		MitonÃ©	-0,64195	10,21742	1249234398	urn:catalog:OM
Moyen-Ogooue Prov.		Forest Lake 2, (	-0,05171	11,16621	1211002551	urn:catalog:CA
		OgoouÃ©-Mari	-1,88328	9,56787	1147033171	0384836b-8f5b-
Eastern Region		Agriculture Stat	6,083333	-0,833333	1145481726	http://arctos.dat
			-1,866389	9,851667	3025590909	https://darwin.r
Southwest		Mt. Manengoul	5,033601	9,826945	476579587	MCZ:Herp:A-1
Cross River			5,21872	8,26067		Lotanna Micah
Cross River			5,21398	8,25927		Lotanna Micah
Cross River			5,21396	8,2593		Lotanna Micah
Cross River			5,2188	8,2644		Lotanna Micah
Cross River			5,2122	8,2686		Lotanna Micah
Cross River			5,2356	8,2811		Lotanna Micah
Cross River			5,2111	8,27178		Lotanna Micah
Cross River			5,21163	8,27081		Lotanna Micah
			5,7341667	20,66722222		
Ituri		Bazinga	1,4092	28,5273	2853503373	http://arctos.dat
Ituri		Ituri Forest	1,21738	29,021	2027455435	63e556d12b9fbl
South Kivu		Reserve Naturel	-3,54425	28,67245	2234844901	http://arctos.dat
South Kivu		Reserve Naturel	-3,5537	28,67422	2234843572	http://arctos.dat
Sud Region		Mekas, Dja Res	3,179161	12,533519	931030871	urn:catalog:CA
Sud Region		Mekas, Dja Res	3,173231	12,528469	890183102	urn:catalog:CA
		SW of Tai Nati	5,416667	-7,166667	462395165	ddb4443c-3ee4-
Niari			-2,243472	12,823389	2814444440	51206574
Kouilou			-4,443083	11,682222	2814196202	51249716
Niari			-2,513417	12,925222	2813893161	51091329
Moyen-OgoouÃ©			-0,711843	10,44473	2634018481	35812602
	Haut-Ogooue	Edjangoulou Vi	-1,49358	14,40794	1935014549	e80a15d2-25b0-
	Haut-Ogooue	Edjangoulou Vi	-1,49854	14,42209	1935014543	e28bdb48-b917-
	Haut-Ogooue	Edjangoulou Vi	-1,47717	14,41319	1935014496	9a9a274d-3a47-
Haut-OgoouÃ©		Doumaye	-2,31967	13,60987	1249234441	urn:catalog:OM
Haut-Ogooue Prov.		02 10 08.76 S,	-2,1691	13,63946	1211002672	urn:catalog:CA
OgoouÃ©-Maritime		Gamba, SW of,	-2,74706	10,005	3028137584	http://n2t.net/a
OgoouÃ©-Maritime		Gamba, S of, C	-2,73564	10,0144	3028136588	http://n2t.net/a

Nyanga	Basse-Banio	Gamba, 53 km	-3,035	10,383	3028126795	http://n2t.net/a
OgoouÃ©-Maritime		Gamba, W of, S	-2,73303	9,97828	3028120293	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 51 km	-3,02039	10,3657	3028109918	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 51 km	-3,02036	10,3657	3027992670	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 65 km	-3,169	10,4982	3027988849	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 53 km	-3,03703	10,3816	3027988478	http://n2t.net/a
Kouilou			-4,379833	11,604806	2814362606	51252290
		Gabon:Nyanga,	-3,02	10,37	2311128611	KY079688
		Gabon:Ogooue-	-2,75	10,01	2311117979	KY080210
		Gabon:Ogooue-	-2,73	9,98	2310408145	KY080202
		Gabon:Nyanga,	-3,17	10,5	2309926091	KY079682
		Gabon:Nyanga,	-3,04	10,38	2309771031	KY080211
		Gabon:Ogooue-	-2,74	10,01	2309155958	KY079680
Nyanga	Basse-Banio	Gamba, 53 km	-3,03428	10,3833	1319502147	http://n2t.net/a
Eastern Region		just outside Ma	6,27555	-1,0081	1145565507	http://arctos.dat
		Foret Classee d	8,144	-8,555	197131254	197131254
		Foret Classee d	7,633	-8,853	197131248	197131248
		Site 2	8,525	-8,937	197130035	197130035
Adamaoua			6,665144	11,925957	2963801564	63298145
Adamaoua			6,721116	11,882571	2883162077	62023445
Adamaoua			6,773937	11,88769	2882949783	62023514
Adamaoua			6,741863	11,875647	2868235689	60046801
Adamaoua			6,63545	11,95087	2850758624	56336785
Adamaoua			6,639625	11,802484	2540740993	33786281
Nord-Ouest Re	Mezam Divisio	Bamenda Highl	5,935489	10,129531	2430638646	urn:catalog:CA
Nord-Ouest Re	Mezam Divisio	Bamenda Highl	5,932481	10,133019	2430638595	urn:catalog:CA
Adamaoua			6,620687	11,965096	2397448861	15169804
Adamaoua			6,633287	11,822262	2366051050	30939643
Nord-Ouest		Nsongwa, Bam	5,93248	10,13302	2027288788	12426730-f72d-
Adamaoua			6,772885	11,973322	1914309938	14254096
Ouest Region		Bangou, stream	5,17626	10,34873	890183673	urn:catalog:CA
Nord-Ouest Region		05 54 32.46 N,	5,909017	10,161267	543607850	urn:catalog:CA
Nord-Ouest Region		05 51 20.64 N,	5,855733	10,158533	543607847	urn:catalog:CA
Nord-Ouest Region		Bamenda fish p	6,01425	10,270267	543607710	urn:catalog:CA
Nord-Ouest Region		05 58 3.78 N,	5,967717	10,0397	543607696	urn:catalog:CA
Cross River			5,21243	8,27017		Lotanna Micah
	Haut-Ogooue	Edjangoulou Vi	-1,49425	14,41622	1935014542	ddd78eba-cc37-
Eastern			6,237742	-0,558656	2366010250	15937035
Eastern			6,242239	-0,557161	2366010249	15937024
Zogbodomey		ForÃªt de Loko	7,065248	2,130028	1291848851	P1585
Materi		RB Pendjari	11,243179	1,603764	1291848845	P1584
Zogbodomey		ForÃªt de Lama	6,916667	2,166667	1291848820	P1586
Cross River			5,23014	8,26924		Lotanna Micah
Cross River			5,23271	8,27652		Lotanna Micah
Cross River			5,23451	8,27742		Lotanna Micah

Cross River			5,23653	8,27852		Lotanna Micah
Cross River			5,23788	8,27987		Lotanna Micah
Volta Region		along stream ~1	8,43424	0,60552	1145562854	http://arctos.dat
Volta Region		Togo Hills, Ku	8,51777	0,60128	1145558028	http://arctos.dat
		Monts de Crist	0,6212	10,4076	2549584029	http://n2t.net/ar
		Ivindo, Rougie	-0,19559	12,196	2549496686	http://n2t.net/ar
ıea		Bioko Island, I	3,35542	8,62153	2426942710	http://n2t.net/ar
		Gabon:Nyanga,	-3,14	10,48	2311235756	KY079698
		Gabon:Ogooue-	-2,83	10,22	2310695974	KY080219
		Gabon:Nyanga,	-3,09	10,44	2310100954	KY079695
		Gabon:Estuaire,	0,6	9,34	2308711345	KY079706
Katanga		Marungu Platea	-7,71487	29,76962	2234846561	http://arctos.dat
South Kivu		Bizombo	-3,02876	28,28263	2234846385	http://arctos.dat
South Kivu		Kiandjo, Itomb	-3,37342	28,64308	2234846038	http://arctos.dat
South Kivu		Kalundu	-3,12581	28,41499	2234845862	http://arctos.dat
South Kivu		Kitopo, Itombv	-3,4039	28,5866	2234845566	http://arctos.dat
South Kivu		Mwenga	-3,03678	28,42225	2234845480	http://arctos.dat
South Kivu		Luvuba River,	-2,86661	29,03617	2234845262	http://arctos.dat
South Kivu		Kihungwe	-4,09013	28,1531	2234845173	http://arctos.dat
Orientale		Mafifi, on road	1,2433	29,6933	2234845170	http://arctos.dat
South Kivu		Bitlae	-2,207778	28,62964	2234845154	http://arctos.dat
Katanga		road ca. 12 km	-8,71895	27,42265	2234844932	http://arctos.dat
South Kivu		Baraka, near sh	-4,10784	29,09715	2234844130	http://arctos.dat
Orientale		Epulu	1,40072	28,56882	2234843391	http://arctos.dat
Estuaire			0,575399	9,339752	1914310839	14918
ıea		Moka - Lago B	3,35245	8,629083	1852461928	4e24725a-5381-
ıea		Moka - Lago B	3,352133	8,6341	1852461916	4e246dfb-5381-
Woleu-Ntem Province		Monts de Crist	0,6212	10,40763	1852459431	4df6e685-5381-
ıea		Moka - Lago B	3,352633	8,629767	1852458331	4df04e82-5381-
Haut-Ogooue Prov.		00 53 57.48 S,	-0,8993	12,80119	1211002752	urn:catalog:CA
Moyen-Ogooue Prov.		00 10 58.512 S	-0,18292	10,77682	1211002567	urn:catalog:CA
Moyen-Ogooue Prov.		00 11 05.352 S	-0,18482	10,77727	1211002503	urn:catalog:CA
Moyen-Ogooue Prov.		Lac Oguemoue,	-1,10775	10,02691	890184345	urn:catalog:CA
Moyen-Ogooue Prov.		Lac Oguemoue,	-1,14031	10,00805	890184065	urn:catalog:CA
Moyen-Ogooue Prov.		Lac Oguemoue,	-1,10997	10,02782	890183993	urn:catalog:CA
Centre Region		Sanaga River B	4,604133	12,2045	543607803	urn:catalog:CA
Bioko Sur Prov.		Lago Biao, W s	3,355417	8,621528	543560862	urn:catalog:CA
Haut-Zaire Prov.		Zone of Mamba	1,399167	28,581667	543548002	urn:catalog:CA
Nyanga	Basse-Banio	Gamba, 62 km	-3,09072	10,4394	3028130578	http://n2t.net/ar
OgoouÃ©-Maritime		Gamba, ca. 15	-2,82861	10,2159	3028117649	http://n2t.net/ar
Estuaire		SahouÃ©, ca.	0,60303	9,33728	3028110313	http://n2t.net/ar
Nyanga	Basse-Banio	Gamba, 69 km	-3,14331	10,4814	3028107165	http://n2t.net/ar
Tsopo		Basukwambula	0,54393	25,9386	2579617866	7f6b7500d240a
Tshopo		Kayete	0,13489	25,60841	2579617790	ff10cc4bde3cd9
Tshopo		Masako Reserv	0,46404	25,29108	2579617544	6d701eed37555

Tshopo	Yoko Reserve I	0,29027	25,25658	2579616969	833951b61ea66
Montagnes		5,943215	-7,239704	1880671045	74325
Eastern		6,24565	-0,553736	1899784247	15936839
Eastern		6,221915	-0,404801	1899784244	15936855
Eastern		6,31932	-0,449179	1899784240	15937042
Eastern		6,386529	-0,592584	1899784230	15936862
Eastern		6,326416	-0,406887	1899782789	15931808
	Eastern Region,	6,23899	-0,55824	1146416441	http://arctos.dat
	Koutaba. West	5,975111	10,806139	1989833790	890ebf07-6b39-
Southwest	Manengouba	5,027778	9,818056	476578450	MCZ:Herp:A-1
Southwest	Manengouba	5,026667	9,820833	476577562	MCZ:Herp:A-1
	Mont Peko Nat	7,00333	-7,25444	1830947221	http://id.smns-b
West	near Bamboutos	5,668611	10,103278	736301391	MCZ:Herp:A-1
West	Mt. Bamboutos	5,658333	10,125	476579145	MCZ:Herp:A-1
Southwest Reg	Koupe-Manengo	Fulani village a	5,058	9,836	1899932154	2f93427a-1218-
	Moeba	5,01667	9,8	1830947480	http://id.smns-b
	Upper-South	5	9,81667	1830947606	http://id.smns-b
Littoral Region Moungo Divisi	Manengouba M	4,967231	9,8079	2430638107	urn:catalog:CA
Littoral	Manengouba M	4,96723	9,8079	1249225854	d4fa7e3b-6129-
	Ebonemin	5,01667	9,75	1830947494	http://id.smns-b
Southwest	Nsoung	4,986667	9,811111	476575817	MCZ:Herp:A-1
Nord-Ouest Region	Mt. Oku, 6 11	6,19945	10,513883	1062024782	urn:catalog:CA
		0,621683	10,4067	3025630836	https://darwin.r
	near TchimbÃ©	-0,61402	10,39992	1830947676	http://id.smns-b
South Kivu	Tumungu vicin	-3,56455	28,66619	2234845334	http://arctos.dat
South Kivu	Tumungu vicin	-3,56979	28,66113	2234844547	http://arctos.dat
South Kivu	Bilimba	-3,461	28,7829	2234844020	http://arctos.dat
South Kivu	Tumungu vicin	-3,53545	28,67411	2234843403	http://arctos.dat
Lekoumou	Simombondo v	-2,31967	13,6568	3028012343	http://n2t.net/ar
Littoral		4,735201	9,810791	2988349301	104898
OgoouÃ©-Maritime		-1,52143	9,527647	2814109462	39876585
Sangha		0,762883	15,256908	2563471601	35667121
ngo	Republic of the	-2,32	13,66	2310691432	KY080247
Littoral Region	Manjo, Manten	4,856017	9,747961	1062024546	urn:catalog:CA
Southwest	Efolofo, N slop	4,358333	9,091667	476577947	MCZ:Herp:A-1
Lekoumou	Simombondo v	-2,32067	13,6578	3028073942	http://n2t.net/ar
Edo		6,071357	5,518026	2988492456	43046537
Cross River		5,667109	8,252961	2988354336	20199143
Niari		-2,420472	12,872	2814257028	51090178
Sud-Ouest		4,061044	9,043873	2397450299	15223418
Sud-Ouest Region	Small Koto, 4	4,32676	9,06609	890183297	urn:catalog:CA
Sud Region	Mekas, Dja Res	3,179789	12,538339	890183028	urn:catalog:CA
Sud Region	Mekas, Dja Res	3,173331	12,52715	890182873	urn:catalog:CA
NgouniÃ©		-2,108184	11,58923	2988610403	35974726
Littoral		4,280338	10,31651	2626419980	46183470

ıea	Bioko Island, P	3,70239	8,87358	2426898791	http://n2t.net/ar
	Gabon:Nyanga,	-3,23	10,57	2310989165	KY079726
ıea	Hormigas Camp	3,32957	8,47962	1852461040	4e1e1ad7-5381-
Ngounie	Congo River B	-2,04186	12,17418	1839291820	c60c7da9-1b6d-
Bioko Norte Prov.	Pico Basile rd,	3,702389	8,873583	543560962	urn:catalog:CA
	Rd of Douala,e	3,81667	11,2	614860804	
ngo	Bomassa	2,2	16,18917	476558053	MCZ:Herp:A-1
Ituri	Ituri Forest	1,40074	28,56902	2027455468	312f6f12dd9bbe
ıea	North Camp	3,365333	8,50005	1852459870	4e19add1-5381-
South Region	Nsana/Ntem	2,27	11,23	1318617561	http://n2t.net/ar
Haut-Ogooue Prov.	02 10 10.2 S, 1	-2,1695	13,63904	1211002680	urn:catalog:CA
Littoral Region	Manengouba II,	4,95493	9,86721	890183197	urn:catalog:CA
Bas-UÃ©lÃ©	Kponyo	3,48277	24,13583	2579617882	a37c2bcb985bec
Tshopo	Kayete	0,13051	25,6177	2579617520	11f170ddcef632
Tshopo	Kayete	0,12907	25,61066	2579617427	c95542d17728f
Tshopo	Uma	0,5536	25,9321	2579617289	87707b967710
Tshopo	Masako Reserv	0,61077	25,27325	2579617213	3276de53d8984
Tshopo	Uma	0,55619	25,92785	2579617100	92ec3e3fdae5c0
Bas UÃ©lÃ©	Buta	3,32663	24,02382	2027455535	60ea4f3ded78a7
Ituri	Ituri Forest	1,40019	28,56688	2027455474	3334d5398049
Ituri	Ituri Forest	1,39594	28,58093	2027455471	a7d4e8de043a8
OgoouÃ©-Ivindo	Ivindo National	0,51624	12,79457	476598653	MCZ:Herp:A-1
Woleu-Ntem	Monts de Crist	0,62563	10,39653	476803608	MCZ:Herp:A-1
Woleu-Ntem	Monts de Crist	0,62325	10,40275	476802553	MCZ:Herp:A-1
Estuaire	Monts de Crist	0,44959	10,27583	476768365	MCZ:Herp:A-1
Haut-OgoouÃ©		-1,657225	13,53742	2988344654	57899195
Cross River	Stream south o	5,36628	8,43442	2427838578	http://arctos.dat
North Kivu	Epulu	1,3984	28,5679	2234843931	http://arctos.dat
Ogooue-Lolo	Ogooue River I	-1,17434	11,81792	1839291512	6da15417-e1ef-
Ogooue-Lolo Prov.	Ant River, upp	-0,80493	12,81241	1211002789	urn:catalog:CA
Moyen-Ogooue Prov.	Junkville, 00 0	-0,06216	11,1587	1211002606	urn:catalog:CA
Moyen-Ogooue Prov.	Mitone, 00 38	-0,64045	10,21549	1211002438	urn:catalog:CA
Tshopo	Yoko Reserve I	0,32316	25,25658	2579616946	fa6b58f225882
Ituri	Ituri forest	2,02734	30,06653	2027456096	cfcf4698a43803
Ituri	Epulu	1,39838	28,56795	2853503329	http://arctos.dat
Southwest Reg	Koupe-Manengo	Fulani village a	5,028	9,844	1899932194	e40c3d0f-ed50-
Bioko Sur Prov.	Moka Malabo	3,522667	8,694167	543560946	urn:catalog:CA
	Sumit	5	9,85	1830947607	http://id.smns-b
		5,01667	9,85	1830947605	http://id.smns-b
South Kivu	Itombwe Platea	-3,3726	28,6432	2234845844	http://arctos.dat
South Kivu	Itombwe Platea	-3,15552	28,42108	2234845380	http://arctos.dat
South Kivu	Baraka	-4,10832	29,09705	2234845076	http://arctos.dat
South Kivu	Itombwe Platea	-3,15724	28,4234	2234844240	http://arctos.dat
South Kivu	Itombwe Platea	-3,3726	28,6779	2234843737	http://arctos.dat
South Kivu	Itombwe Platea	-3,15779	28,43412	2234842786	http://arctos.dat

Taraba		riparian forest i	7,083472	11,064167	476767644	MCZ:Herp:A-1
Taraba		Yelwa	7,088056	11,078083	476767432	MCZ:Herp:A-1
Montagnes			5,678945	-7,095512	2423258995	77058
Eastern Region		Ajenjua Bepo F	6,36724	-1,03301	1145565534	http://arctos.dat
Eastern Region		Mamang River	6,24962	-1,04075	1145565515	http://arctos.dat
Montagnes			5,955473	-7,338805	891079119	73915
Lekoumou		Lebayi field sit	-2,67683	13,5868	3028040664	http://n2t.net/a
Lekoumou		Kissiki field sit	-2,7885	13,5032	3028019474	http://n2t.net/a
ngo		Republic of the	-2,79	13,5	2308809744	KY080253
Kouilou	Mvouti	Valley between	-4,712278	12,277778	1837125117	9c202d51-87a0-
Ogooue-Lolo Prov.		00 48 32.976 S	-0,80916	12,7996	1211002726	urn:catalog:CA
Est Region		Ngoyla, commu	2,593997	14,027831	890182952	urn:catalog:CA
Ituri		Ituri Forest	1,3976	28,56894	2027455490	4d5a67a1023e1
Cross River			5,318984	8,349917	2988474768	63317630
Littoral			4,236514	10,327496	2626293838	46183471
Sud-Ouest Reg	Fako Division	Mount Kupe, N	4,81755	9,679519	2430638577	urn:catalog:CA
Sud-Ouest		Nyasaso Villag	4,81755	9,67952	1249225930	4873eb10-7af3-
Estuaire		Monts de Crist	0,46485	10,27895	476768604	MCZ:Herp:A-1
Eastern			6,354922	-0,353322	3005136948	66609785
Montagnes			5,840755	-7,222927	2818498557	52479974
Borgou		Koda	8,85	2,283333	2465039808	2019_AN_0712
Central			5,556333	-1,540822	1901091433	9621622
Plateaux			6,955227	0,5853	1901091330	9395904
Eastern			6,231144	-0,554689	1899782708	15931329
Eastern			7,387965	-11,237412	1847635808	6746014
		Western Regior	5,216024	-2,651485	1303200029	http://arctos.dat
		Ashanti Region	6,68701	-1,34414	1146416452	http://arctos.dat
		SRET Station;	5,83333	-7,35	1830947335	http://id.smns-b
		Banco National	5,38507	-4,0512	1830948729	http://id.smns-b
Nyanga	Basse-Banio	Gamba, 85 km	-3,24133	10,5808	3028128493	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 83 km	-3,25336	10,5527	3028120930	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 85 km	-3,23858	10,5921	3028040137	http://n2t.net/a
Niari			-2,262361	12,921583	2813958499	51214637
ea		Bioko Island, P	3,69589	8,87111	2426900774	http://n2t.net/a
		Gabon:Nyanga,	-3,24	10,58	2310863203	KY079732
		Gabon:Nyanga,	-3,25	10,55	2309787794	KY079733
Littoral			4,709446	9,750943	1847411154	1040760
Moyen-Ogooue Prov.		00 11 18.456 S	-0,18846	10,77972	1211002555	urn:catalog:CA
Bioko Norte Prov.		Pico Basile rd,	3,695889	8,871111	543560966	urn:catalog:CA
Southwest		Cameroon: SW	4,95	8,867	476612605	MCZ:Herp:A-1
Littoral			4,270355	10,338483	2626257397	46183473
Tsopo		Basukwambula	0,5593	25,94445	2579617654	aa62526055379
South		Akom 2	2,744444	10,530556	476588966	MCZ:Herp:A-1
South		Bidjouka	3,143056	10,4775	476480144	MCZ:Herp:A-1
Littoral			4,259399	10,382428	2626503171	46183474

Estuaire			0,343321	10,378647	1586916262	3971467
South West Re	Ndian	Korup National	5,1	8,78	1322606145	http://n2t.net/a
South West Re	Ndian	Korup National	5,07	8,87	1318425843	http://n2t.net/a
Eastern			7,655616	-10,738718	1990599155	19902932
Western Area		Peninsula Mou	8,419	-13,204	1291014738	http://arctos.dat
Western Area		Stream at bridg	8,477833	-13,224667	1291014721	http://arctos.dat
Western Area Prov.		Freetown to Yo	8,349167	-13,178333	543585675	urn:catalog:CA
		Small stream o	7,455556	-8,662222	1265267192	cf477a1b-4386-
		Coldwater strea	7,412583	-8,590611	1265266482	5c24bf4c-2372-
		Yiti upstream,	7,510278	-8,749167	1265257204	1754374d-d1b7
		Site 1	8,559	-8,881	197168972	197168972
Basse GuinÃ©e		Route miniÃ¨re	10,80919	-14,19867	1949968044	MDGBIF_16
		Ivindo National	0,51624	12,7946	2549485309	http://n2t.net/a
		Ivindo National	0,50367	12,7941	2549478064	http://n2t.net/a
RegiÃ³n Insula	Bioko Sur	Bioko Island; M	3,453017	8,506833	1147032758	02f45b18-dd34-
Sud-Ouest			4,043501	9,257054	2397037545	100281
Nord-Ouest Region		Mamfe-Bamend	5,858411	9,761086	543499589	urn:catalog:CA
Southwest		near Etome, Sm	4,058333	9,125	476803409	MCZ:Herp:A-1
Southwest		Etome	4,041667	9,125	476577776	MCZ:Herp:A-1
Littoral Region		Manjo Area, M	4,833906	9,778269	890183567	urn:catalog:CA
			4,828333	9,681944	3026133375	https://darwin.r
			4,828334	9,681945	3025754879	https://darwin.r
Littoral			4,332516	10,332165	2814166531	46183457
Sud Region		Bipindi	3,068056	10,413667	543500834	urn:catalog:CA
South		Bibondi, Ngov	3,308333	10,641667	476579920	MCZ:Herp:A-1
Adamawa		Kwano, Gashak	7,329972	11,585	476772161	MCZ:Herp:A-1
		Esipa	5,03333	10,5	1830949897	http://id.smns-b
Southwest		E of Ntale Villa	5,258333	9,608333	476578437	MCZ:Herp:A-1
			4,695556	9,291944	3026147829	https://darwin.r
			4,695555	9,292055	3025551354	https://darwin.r
OgoouÃ©-Maritime		Gamba, SW of,	-2,74344	9,99389	3028103317	http://n2t.net/a
OgoouÃ©-Maritime		Gamba	-2,71956	10,0348	3028091096	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 61 km	-3,0876	10,4285	3028064558	http://n2t.net/a
Kouilou			-4,297333	11,652417	2850568275	55459822
		Gabon:Ogooue-	-2,72	10,04	2310893420	KY079736
		Gabon:Ogooue-	-2,74	9,99	2310062939	KY080269
Kouilou	Mvouti	1.39 mi W Lou	-4,374361	12,121944	1837124875	370cdb07-9f11-
Sud Region		Bidjouka near I	3,077933	10,414333	1656644403	urn:catalog:CA
Haut-Ogooue Prov.		02 13 58.8 S,	-2,233	13,60305	1211002734	urn:catalog:CA
Haut-Ogooue Prov.		02 18 29.052 S	-2,30807	13,59902	1211002695	urn:catalog:CA
OgoouÃ©-Maritime			-2,725	10,016667	891062835	20170
A		Atewa Range	6,24246	0,5571	1804707944	6F5C87EEFFF
A		Atiwiredu	6,206306	-0,577556	1804707941	6F5C87EEFFF
			-2,338889	9,594167	3025825884	https://darwin.r
Sud-Ouest		Korup National	5,1333	8,8333	1056503901	3348954

Niari			-2,40325	12,987417	3039510899	69325548
Nyanga	Basse-Banio	Gamba, 87 km	-3,23325	10,6189	3028093531	http://n2t.net/a
Lekoumou		Kissiki field sit	-2,792	13,5335	3028077641	http://n2t.net/a
Lekoumou		Kissiki field sit	-2,7895	13,5015	3028066769	http://n2t.net/a
ea		Bioko Island, c	3,48303	8,582	2426933643	http://n2t.net/a
Ogooue-Lolo		Ogooue River I	-1,15993	11,81919	1845058542	9b36b61f-d2ff-4
Littoral Region		Manjo, Manten	4,840553	9,779256	1062024717	urn:catalog:CA
Southwest		Ekoneman Awa	5,625	9,925	476585868	MCZ:Herp:A-1
South		East of Campo,	2,341667	10,175	476580026	MCZ:Herp:A-1
		Western Regior	5,27267	-2,64478	1303200077	http://arctos.dat
		Western Regior	5,26385	-2,6454	1303200034	http://arctos.dat
Western Region		Ankasa Nationa	5,28182	-2,6414	1145558142	http://arctos.dat
Western Region		Ankasa Nationa	5,28173	-2,64022	1145558083	http://arctos.dat
		River (Gbz), Re	5,3	-7,5	1830950540	http://id.smns-b
		North Lorma N	8,032	-9,736	197170755	197170755
		Gola National I	7,455	-10,694	197170754	197170754
		North Lorma N	8,029	-9,735	197170753	197170753
		North Lorma N	8,04	-9,729	197170752	197170752
		North Lorma N	8,034	-9,736	197170751	197170751
		North Lorma N	8,034	-9,733	197170750	197170750
		North Lorma N	8,024	-9,74	197170749	197170749
South Kivu		Mugegema Vill	-3,06184	28,77858	2234844727	http://arctos.dat
South Kivu		Mugegema Vill	-3,07805	28,76787	2234844225	http://arctos.dat
Northwest		Mt. Oku, near s	6,192222	10,522222	476793229	MCZ:Herp:A-1
ea		Bioko Island, v	3,3305	8,66669	2426943806	http://n2t.net/a
Sud-Ouest Region		Small Koto, 4	4,32228	9,06635	931030948	urn:catalog:CA
Bioko Sur Prov.		vic Moka Malal	3,3305	8,666694	543561055	urn:catalog:CA
			-2,345	9,63	3026003715	https://darwin.r
			-2,340556	9,5925	3025530497	https://darwin.r
Littoral			4,840881	9,682973	2543045667	37055603
Taraba		Kurmin Danko	7,115167	11,026611	476803419	MCZ:Herp:A-1
Montagnes			5,769016	-7,179026	2423258978	77052
Northern	Bombali	Fintonia, 5.8 k	9,67	-12,17	1319576576	http://n2t.net/a
Upper West Region		Wa, Danka Swa	10,005833	-2,444167	543501497	urn:catalog:CA
		Boullere (Sanga	11,114	-13,961	197170587	197170587
		Sarabaya (Rio I	10,754	-14,45	197170573	197170573
		Sarabaya (Rio I	10,718	-14,414	197170569	197170569
Niari			-2,213278	12,835	2814208539	51208612
ngo		Republic of the	-4,19	14,96	2311077172	KY079801
ngo		Republic of the	1,09	17,31	2306130321	KY080323
Pool		Mayongongo	-4,18633	14,9553	3028134995	http://n2t.net/a
Likouala		Impongui	1,07683	17,2997	3028119067	http://n2t.net/a
Pool		Mayongongo	-4,18647	14,957	3028060074	http://n2t.net/a
Cross River		Butatong, Cros	6,42593	9,14215	1145566312	http://arctos.dat
West		below Mt. Bam	5,681228	10,215158	476802744	MCZ:Herp:A-1

Southwest	Manengouba	5,036389	9,836389	476577671	MCZ:Herp:A-1
Montagnes		5,822654	-7,21263	2423258575	73918
	Gbarma, Gbarp	7,054	-10,31129	2147657259	http://arctos.dat
Niari		-2,434889	12,938028	2813997779	51085298
Northwest	Mt. Oku, forest	6,223889	10,525833	476577575	MCZ:Herp:A-1
Montagnes		5,688173	-7,132579	2802809302	77053
Western		5,242461	-2,631096	3039128733	65666920
GrandGedeh		5,689668	-8,133653	2641581702	49211456
Central		5,349328	-1,382092	2573910466	37405278
ComoÃ©		6,454063	-3,457	2366012297	19695606
Eastern		6,25	-0,56	1990647662	9622129
Western		5,245699	-1,748803	1899817374	9623096
Eastern Region	Mamang River	6,25322	-1,03244	1145565552	http://arctos.dat
Haut-Zaire Prov.	Zone of Mamba	1,406511	28,398175	543547934	urn:catalog:CA
	Ankasa Resourc	5,25854	-2,6446	1337840904	MCZ:Herp:A-1
	Grebo National	5,402	-7,733	197170788	197170788
Cross River		5,24275	8,28761		Lotanna Micah
Cross River		5,24379	8,28963		Lotanna Micah
Cross River		5,24652	8,29265		Lotanna Micah
Cross River		5,24743	8,29356		Lotanna Micah
		5,5892	5,9775		
		5,5912	5,9545		
Lekoumou	Simombondo v	-2,3215	13,6615	3027992784	http://n2t.net/a
Ngounie	Bapossa Villag	-2,037309	12,168332	1845058526	7622f248-cf90-4
	Moabi	5,16667	9,83333	1830949958	http://id.smns-b
		5,03333	10,43333	1830949867	http://id.smns-b
Taraba	Ngel Nyaki	7,098139	11,055444	476767639	MCZ:Herp:A-1
Southwest	Nsoung [VERB	5,003611	9,815833	476480072	MCZ:Herp:A-1
Southern		7,74109	-12,327849	3018003323	14204873
	Eastern Region,	6,23212	-0,55209	1146416635	http://arctos.dat
	Eastern Region,	6,23085	-0,55801	1146416597	http://arctos.dat
	Mont Nimba	7,677	-8,377	197170668	197170668
	Boullere (Sanga	11,106	-13,96	197170588	197170588
	Kamsar	10,626	-14,531	197170577	197170577
	Kamsar	10,624	-14,524	197170574	197170574
	Sarabaya (Rio K	10,72	-14,41	197170571	197170571
Sinoe		5,471371	-9,24575	2826404868	54192458
Donga	Manigri	8,971728	1,729617	2465039671	2019_AN_0718
Sud	Campo Maan N	2,35237	10,27913	1135646218	urn:catalog:TC
Littoral	Mouanko, Doua	3,67045	9,74631	1135646204	urn:catalog:TC
Est	Nki National Pa	2,63855	14,29613	1135646169	urn:catalog:TC
Provincia Litoral		2,338125	9,822115	1039486756	urn:uuid:f861bc
		-2,3425	9,641389	3025977105	https://darwin.r
Tshopo	Masako Reserv	0,61235	25,26378	2579617126	0134fd28ee320

		North Lorma N	8,025	-9,737	197197268	197197268
Ituri		Ituri Forest	1,23852	28,31405	2027455413	10130103dc140
Donga		KikÃ©lÃ©	9	1,716667	2465039835	2019_AN_0720
		Moibata, Gbarp	6,96738	-10,46943	2147657260	http://arctos.dat
Ashanti			6,690286	-1,337869	1899782922	15932394
Ashanti			6,689956	-1,328689	1899778501	15914876
Ashanti			6,689828	-1,329475	1899778365	15913882
		Ashanti Region	6,68719	-1,34458	1303200022	http://arctos.dat
Upper West Region		Wa	10,0585	-2,509667	543501494	urn:catalog:CA
		Okomu Nationa	6,34703	5,34625	1671748890	7f79a6a0-a553-
Taraba		Gashaka Gumti	7,42047	11,35046		
Taraba		Gashaka Gumti	7,46053	11,39282		
Kouilou	Hinda	CoopÃ©rative	-4,61642	12,0435	3028095351	http://n2t.net/a
Kouilou	Hinda	CoopÃ©rative	-4,61719	12,0668	3027984533	http://n2t.net/a
Niari			-2,291917	12,808167	2814294429	51205902
Centre			3,872569	11,528266	2422938770	32238475
Kouilou	Pointe Noire	Swamp Forest	-4,469444	12,019722	1837125045	7e7a87ea-b1b3-
Moyen-Ogooue Prov.		00 10 49.548 S	-0,18043	10,77961	1211002578	urn:catalog:CA
Moyen-Ogooue Prov.		00 10 37.848 S	-0,17718	10,7821	1211002504	urn:catalog:CA
Basse GuinÃ©e		Route miniÃ¨re	10,83079	-14,17171	1949968046	MDGBIF_13
Lekoumou		Simombondo v	-2,32583	13,6605	3028138773	http://n2t.net/a
Lekoumou		Simombondo v	-2,32467	13,6607	3028118548	http://n2t.net/a
Lekoumou		Simombondo v	-2,322	13,6593	3028117910	http://n2t.net/a
Lekoumou		Simombondo v	-2,32583	13,6568	3028114043	http://n2t.net/a
Lekoumou		Simombondo v	-2,33283	13,6675	3028092880	http://n2t.net/a
Lekoumou		Kissiki field sit	-2,79367	13,5137	3028092363	http://n2t.net/a
Lekoumou		Simombondo v	-2,32217	13,6605	3028092140	http://n2t.net/a
Lekoumou		Simombondo v	-2,31983	13,6567	3028016680	http://n2t.net/a
Lekoumou		Simombondo v	-2,3258	13,6568	3027983487	http://n2t.net/a
Lekoumou		Simombondo v	-2,31967	13,6605	3027980089	http://n2t.net/a
ea		Bioko Island, v	3,33622	8,66597	2426939727	http://n2t.net/a
ea		Bioko Island, M	3,36094	8,66219	2426928630	http://n2t.net/a
ea		Bioko Island, t	3,35211	8,63528	2426830606	http://n2t.net/a
Lekoumou		Simombondo v	-2,3222	13,6605	2251590287	WAFRA469-14
Likouala		Impongui	1,0881	17,3074	2251590025	WAFRA230-14
Sud-Kivu		Itombwe Massi	-3,15663	28,43571	1425194443	db0dfb21-cf89-
Moyen-Ogooue Prov.		Lambarene, 0 4	-1,68611	10,22808	890184381	urn:catalog:CA
Bioko Sur Prov.		vic Moka Malal	3,336222	8,665972	543561100	urn:catalog:CA
Bioko Sur Prov.		trail between M	3,352111	8,635278	543561088	urn:catalog:CA
Bioko Sur Prov.		Moka Malabo,	3,360944	8,662194	543560367	urn:catalog:CA
ngo		20km. East of I	2,2	16,36896	476564784	MCZ:Herp:A-1
Moyen-OgoouÃ©			-0,709426	10,43184	2988587401	35716967
Sangha			0,810497	15,121428	2802559612	45341488
Littoral			4,319	10,33	2626679585	46183450
ngo		Republic of the	-2,33	13,67	2311223367	KY079942

ngo		Republic of the	-2,33	13,66	2311124388	KY079938
Sud-Ouest			5,0125	8,862791	1847625837	1640864
Ã‰quateur			-1,655711	20,521619	1847471568	12269019
Cross River		Ekon Road, Ikp	5,16973	8,66157	1145566159	http://arctos.dat
Tshopo		Yoko Reserve F	0,28333	25,2833	2579616646	75165c929b7e1
Ituri		Plateau Lendu	1,94724	30,87836	2027455893	f7784454f859f0
Sankuru		Katopa, stream	-2,75128	25,10403	2853503445	http://arctos.dat
North Kivu		Kahuzi-Biega N	-2,11209	28,11171	2853503434	http://arctos.dat
Sankuru		Lomami Natior	-2,74414	25,10302	2853503390	http://arctos.dat
South Kivu		Bridge near Mv	-3,15784	28,42165	2853503347	http://arctos.dat
South Kivu		near Irangi	-1,878	28,4524	2853503331	http://arctos.dat
South Kivu		Kahuzi-Biega N	-2,447291	28,282538	2565936109	http://arctos.dat
Maniema		Kahuzi-Biega N	-1,897491	27,717775	2565936107	http://arctos.dat
South Kivu		Kalundu, Mwar	-3,15786	28,4273	2565927085	http://arctos.dat
Moyen-Ogooue Prov.		Lac Oguemoue,	-1,11509	10,02126	890183957	urn:catalog:CA
Moyen-Ogooue Prov.		Lac Oguemoue,	-1,11536	10,02348	890183952	urn:catalog:CA
Moyen-Ogooue Prov.		Lac Oguemoue,	-1,11545	10,02139	890183949	urn:catalog:CA
			-2,335556	9,5975	3026119072	https://darwin.r
Niari			-2,226444	12,945083	2814366496	51209831
Kouilou	Pointe Noire	PFA4 & PFA5	-4,472944	12,014361	1837125283	ea108752-8651-
Tshopo		Kayete	0,13846	25,6281	2579617859	d5506bf856872
Tshopo		Uma	0,5449	25,93178	2579617229	397a7dbcdce06
Ituri		Djugu Territory	1,916667	30,5	476770551	MCZ:Herp:A-1
Ituri		Djugu Territory	2,016283	30,827483	476762804	MCZ:Herp:A-1
Bas-UÃ©lÃ©		Rubi-TÃ©lÃ©	2,31666	24,96666	2579616456	ef8b24dcfc4202
Tshopo		Basukwambula	0,5593	25,93035	2027455882	7874d29e7f0c2
Ituri		Ituri Forest	1,39911	28,56933	2027455457	e3edce55a2616
Ondo State		Idanre Hill	7,0742	5,072		
Ondo State		Idanre Hill	7,1396	5,1431		
Ondo State		Idanre Hill	7,1453	5,0606		
Ondo State		Idanre Hill	7,077	5,1004		
Ondo State		Idanre Hill	7,0229	5,1181		
Ondo State		Idanre Hill	7,3559	5,1857		
Ondo State		Idanre Hill	7,1168	5,183		
Ondo State		Idanre Hill	7,0628	5,1167		
Ondo State		Idanre Hill	7,0222	5,1559		
Ondo State		Idanre Hill	7,1108	5,1108		
Ondo State		Idanre Hill	7,1106	5,1108		
Ondo State		Idanre Hill	7,1086	5,1072		
Ondo State		Idanre Hill	7,1094	5,1078		
Ondo State		Idanre Hill	7,1089	5,1125		
Ondo State		Idanre Hill	7,1344	5,1006		
Ondo State		Idanre Hill	7,1122	5,1094		
Ondo State		Idanre Hill	7,1089	5,1075		
Ondo State		Idanre Hill	7,1089	5,1069		

		Ongot, on the r	3,85	11,3833	614804277	
Est Region		Sanaga River, r	4,930339	13,285322	543505055	urn:catalog:CA
Littoral			4,847811	9,818073	2626654850	46102069
Sud-Ouest			4,973441	8,907978	1847577319	12698299
Sud-Ouest Province		foothills of Mt.	4,85	9,7673	1291011505	http://arctos.dat
Niari			-2,42025	12,872194	3039500951	69328055
Montagnes			5,952872	-7,250197	2818550536	52480777
Niari			-2,407944	12,910056	2814042756	51085679
Sud-Ouest			5,06765	8,861175	1571098271	6519225
Bioko Sur			3,247617	8,678109	1453268306	4728051
Estuaire			0,341947	10,384998	1305164603	3971552
Tshopo		Yoko Reserve F	0,30144	25,27686	2579616707	d24e758a5bb2f2
Lekoumou		Bambama villa	-2,54633	13,5182	3028140715	http://n2t.net/a
Lekoumou		Lebayi field sit	-2,67867	13,5872	3028067175	http://n2t.net/a
ea		North Camp, S	3,367	8,502483	1852457237	4de5ed61-5381
		Woleu-Ntem	1,5	12	3025945769	https://darwin.r
Littoral			4,259888	10,31651	2634368701	46183476
Cross River		Butatong, Cros	6,42593	9,141215	1145566488	http://arctos.dat
Sud		Campo Maan N	2,258	9,95099	1135646179	urn:catalog:TC
Sud		Campo Maan N	2,34976	10,28162	1135646145	urn:catalog:TC
Sud-Ouest		Nguti, Banyang	5,33985	9,4966	1135646136	urn:catalog:TC
Sud		Campo Maan N	2,35544	10,2592	1135646114	urn:catalog:TC
Estuaire		Monts de Crist	0,44549	10,28202	476769184	MCZ:Herp:A-1
West		Mt. Bamboutos	5,675	10,108333	476579363	MCZ:Herp:A-1
West		Bamboutos [VI	5,686389	10,103611	476577964	MCZ:Herp:A-1
		OgoouÃ©-Lolo	-1,145	11,78	3026063456	https://darwin.r
			5,31832	8,3457		
Sud-Ouest Region		Mt Coupe, Nya	4,834667	9,680833	543510792	urn:catalog:CA
		Primary Literatu	4,95	9,65		
Northwest		Mt. Oku [VER]	6,21	10,529722	476578158	MCZ:Herp:A-1
West		Bamboutos [VI	5,647778	10,120833	476583169	MCZ:Herp:A-1
Sud-Ouest			4,002493	9,123842	2802545357	15225336
Sud-Ouest Region		Buea, below Hu	4,166667	9,2	543510793	urn:catalog:CA
Sud-Ouest		Below Hut 1, E	4,1667	9,2	1057079780	3348930
Sud-Ouest		Mt Koupe, Nya	4,8167	9,7	1056612687	3348936
Lekoumou		Simombondo v	-2,32167	13,6592	3028136716	http://n2t.net/a
Nyanga	Basse-Banio	Gamba, 87 km	-3,23764	10,6109	3028005362	http://n2t.net/a
ea		Bioko Island, A	3,52775	8,57939	2426945788	http://n2t.net/a
Bioko Sur Prov.		Arena Blanca S	3,525767	8,5809	1211003627	urn:catalog:CA
ea		Comedor	3,337517	8,58725	699101861	MCZ:Herp:A-1
		Tadou, Camero	8,7	13,9833	614874081	
		Ber, Nord, Can	7,8167	14,9833	614873988	
ea		Bioko Island, A	3,52006	8,58594	2426913590	http://n2t.net/a
Sud-Ouest			4,140068	9,083282	2397460928	17404077
Bioko Sur Prov.		Arena Blanca rc	3,520056	8,585944	543560881	urn:catalog:CA

Northwest		Elak Oku villag	6,242778	10,500833	476578162	MCZ:Herp:A-1
			-2,343611	9,636389	3026001818	https://darwin.r
		Gbele North Ca	10,11209	-2,45986	1337840853	MCZ:Herp:A-1
		Pumilo	10,05522	-2,03229	1337840841	MCZ:Herp:A-1
		near GBELE W	10,87479	-2,27185	1337840837	MCZ:Herp:A-1
Sud-Ouest		N. Bonenza, M	4,05	9,0833	1056131485	3348904
		Balaoungao	5,204317	10,4289	699101696	MCZ:Herp:A-1
		Massaka, Sud-(	4,6986	9,2928	614874521	
ıublic of the Congo		Democratic Rep	-3,36	23,69	2306740624	EU594660
South Kivu		Miki vicinity, ı	-3,3574	28,662	2234844670	http://arctos.dat
South Kivu		Kiandjo	-3,3726	28,6431	2234844078	http://arctos.dat
South Kivu		Miki vicinity	-3,3674	28,69	2234843930	http://arctos.dat
Sud-Kivu		Miki	-3,36858	28,69506	1989715584	MCZ:Cryo:858
ıublic of the Congo		Miki	-3,396111	28,694722	476588859	MCZ:Herp:A-1
Ouest Region		5 02 29.4354 N	5,04151	10,69848	890183284	urn:catalog:CA
		Lower Bafut	6,175283	10,074567	699101627	MCZ:Herp:A-1
Orientale		Bunia District,	2,0087	30,8352	2234845245	http://arctos.dat
Ituri		Lina	1,985567	30,861267	476802165	MCZ:Herp:A-1
Ituri		Aboro East	2,00885	30,834683	476771049	MCZ:Herp:A-1
Ituri		Ngonseneyu	1,985117	30,81185	476770848	MCZ:Herp:A-1
Ituri		Aboro West	2,016433	30,831067	476770847	MCZ:Herp:A-1
Ituri		Djaibu	2,001117	30,829517	476770754	MCZ:Herp:A-1
Ituri		Jiba Town/Villa	1,868767	30,695933	476540774	MCZ:Herp:A-1
Ituri		Tchulu Town/V	1,945767	30,7719	476537922	MCZ:Herp:A-1
Ituri		Goki Village	1,860417	30,688033	476522718	MCZ:Herp:A-1
Ituri		Djugu Territory	1,8606	30,689783	476514942	MCZ:Herp:A-1
		Lake Oku. Nort	5,627333	10,462472	1989834232	d482bf17-eed4-
Nord-Ouest Region		Oku, Lake Oku	6,202	10,459533	931030899	urn:catalog:CA
Nord-Ouest		Mt. Oku, Oku,	6,2	10,4667	1057396869	3348910
Northwest		Lake Oku	6,2024	10,460633	476766174	MCZ:Herp:A-1
		Lake Okou, Ca	6,16667	10,41667	614875453	
Niari			-2,513167	12,925333	3039320010	69326171
ngo		Republic of the	-4,62	12,07	2308084299	KY080430
Kinshasa City		Bombo-Lumen	-4,41891	16,04641	2234847311	http://arctos.dat
Kouilou	Mvouti	Loufika Baseca	-4,711028	12,275	1837125301	e7f44bdb-bee3-
			-2,34	9,595278	3025913687	https://darwin.r
Sud Region		Mekas, on road	3,198333	12,522778	890183126	urn:catalog:CA
Centre Region		old rd' W of Ya	3,793083	11,41695	543607773	urn:catalog:CA

institution ID	recorded By	Source
›w.org/smns/col	Ernst, Raffael	GBIF
	Raffael Ernst	GBIF
	Mark-Oliver Rc	GBIF
	Mark-Oliver Rc	GBIF
	DÃ©rozier Vio	GBIF
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420b-ba16-e35b8	Schioetz, A.	GBIF
4051-8b72-6acec	Schioetz, A.	GBIF
	Johannes Penne	GBIF
cf264d9965ae95	Collector : Frar	GBIF
d6d50f0eb013f5	Collector : Aris	GBIF
f083cbfc69672d	Collector : Gab	GBIF
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	irida73ceae	GBIF
	Mathias D'haen	GBIF
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	phrogbecker	GBIF
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	Local Collector	GBIF
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UWBM	Collector(s): Ca	GBIF
http://grbio.org	Bryan L. Stuart	GBIF
b4640710-8e03	Ben J. Evans	GBIF
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CAS	M.T. Kouete	GBIF
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	Alex Krohn	GBIF
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	Scott Loarie	GBIF
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	Dr Anh Galat-L	GBIF
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	Kate Jackson	GBIF
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Department of	Lotanna Micah	Current Survey
ow.org/smns/col	Bangoura, M. A	GBIF
	Marius Burger	GBIF
	Collector Unkn	GBIF
	Kate Jackson	GBIF
40a3-9de5-e1d3	Jongsma, Greg	GBIF
	markusgmeiner	GBIF
NH:OCGR:137	Jongsma, GFM	GBIF
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	Elie TOBI	GBIF
	Axel LITONA	GBIF
	Jean Eric MAK	GBIF
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b4640710-8e03	David C. Black	GBIF
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	Kate Jackson	GBIF
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	congonaturalist	GBIF
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	Katarzyna Now	GBIF
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	Collector Unkn	GBIF
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	Jonathan Newm	GBIF
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	Annika Hillers	GBIF
	Carel Jongkind	GBIF
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	Kate Jackson &	GBIF
UTEP	Collector(s): El	GBIF
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586a41e69eb34a	Collector (s) : (	GBIF
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	Raffael Ernst	GBIF
	Colyn, Marc	GBIF
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		Herrman et al., 2004
	Marius Burger	GBIF
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	Chris Quirin	GBIF
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CAS	T.R. Roberts	GBIF
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	Kate Jackson	GBIF
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	Natalie Weber	GBIF
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	Mohamed Alha	GBIF
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	Brian Gratwick	GBIF
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	Beat Akeret	GBIF
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	Mohamed Alha	GBIF

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urn:lsid:biocol.	Rayna C Bell	GBIF
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	Marius Burger	GBIF
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	Mark-Oliver R	GBIF
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	Jessica DEICH	GBIF
	Brian Gratwick	GBIF
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	Brian Gratwick	GBIF
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	Scott Loarie	GBIF
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	Richard Moore	GBIF
	Mathias D'haen	GBIF
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	Oskar BrattstrÃ	GBIF
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	Chris Quirin	GBIF
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	Campbell G., T	GBIF
	deboas	GBIF
	ronan_a	GBIF
	John Sullivan	GBIF
	Ben	GBIF
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	benbarca	GBIF
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	Brian Gratwick	GBIF
AFFFAFF4BB	C. Ofori-Boate	GBIF
AFFFAFF4BB	N. G. Kouame	GBIF
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	M E. Dyer	GBIF

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	Alex Krohn	GBIF
	Dan Riley	GBIF
	Carel Jongkind	GBIF
	Attila Steiner	GBIF
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	Chris Quirin	GBIF
	Kate Jackson	GBIF

	Kate Jackson	GBIF
	Johnny Wilson	GBIF
	DÃ©rozier Vio	GBIF
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CAS	T. Roberts	GBIF
	laurenscheinber	GBIF
	Averee Luhrs	GBIF
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	Marius Burger	GBIF
	Dr Anh Galat-L	GBIF
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	Johnny Wilson	GBIF
	Katarzyna Now	GBIF
	emjneil	GBIF
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	Leonard Georg	GBIF
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CAS	B.J. Evans and	GBIF

Table S4: The variables (code, name, units) used to predict the environmental correlates of richness patterns in endemic amphibians of the GC region.

Code	Variable Name	Unit
Bio1	Annual Mean Temperature	ºC
Bio2	Mean Diurnal Range (Mean of monthly (max temp – min temp))	ºC
Bio3	Isothermality	
Bio4	Temperature Seasonality (Standard Deviation)	ºC
Bio5	Maximum Temperature of Warmest Month	ºC
Bio6	Minimum Temperature of Coldest Month	ºC
Bio7	Temperature Annual Range	ºC
Bio8	Mean Temperature of Wettest Quarter	ºC
Bio9	Mean Temperature of Driest Quarter	ºC
Bio10	Mean Temperature of Warmest Quarter	ºC
Bio11	Mean Temperature of Coldest Quarter	ºC
Bio12	Total Annual Precipitation	mm
Bio13	Precipitation of Wettest Quarter	mm
Bio14	Precipitation of Driest Quarter	mm
Bio15	Precipitation of Driest Month	mm
Bio16	Precipitation Seasonality (Coefficient of Variation)	
Bio17	Precipitation of Wettest Quarter	mm
Bio18	Precipitation of Warmest Quarter	mm
Bio19	Precipitation of Coldest Quarter	mm
RR	Relief Roughness	m

Table S4: ODMAP (Overview, Data, Model, Assessment and Prediction) standardized protocol used in this study

Section	Subsection	Element	Value
Overview	Authorship	Study title	Patterns of species richness and turnover in endemic amphibians of the Guineo-Congolian rainforest.
Overview	Authorship	Author names	
Overview	Authorship	Contact	
Overview	Authorship	Study link	
Overview	Model objective	Model objective	Mapping and interpolation
Overview	Model objective	Target output	Geographic ranges
Overview	Focal Taxon	Focal Taxon	Amphibians
Overview	Location	Location	West and Central Africa
Overview	Scale of Analysis	Spatial extent	
Overview	Scale of Analysis	Spatial resolution	1 km (0.1 degrees)
Overview	Scale of Analysis	Temporal extent	1979 - 2021
Overview	Scale of Analysis	Temporal resolution	NA
Overview	Scale of Analysis	Boundary	Buffer around records
Overview	Biodiversity data	Observation type	field survey
Overview	Biodiversity data	Response data type	point occurrence; richness; presence/absence
Overview	Predictors	Predictor types	climatic; topographic
Overview	Hypotheses	Hypotheses	We characterized patterns of species richness in this fauna and investigated how species turnover is influenced by geographic distance between grid cells and a suite of bioclimatic (water and temperature-related) variables. We addressed two questions: (1) What are the biogeographic patterns of endemic amphibian species richness across the GC region? Burgess et al. (2004) identified 26 terrestrial ecoregions in the broader GC region, but other studies have reported distinct bioregions of endemism among vertebrate groups due to species' differing ecophysiological requirements and regional zoogeographic barriers. For example, de Klerk et al. (2002) identified six bioregions for range-restricted terrestrial GC endemic birds, whereas Lewin et al. (2016) identified five and four bioregions for narrow endemic snakes and lizards, respectively. Because amphibians are particularly unlikely to be uniformly distributed owing to their limited

			dispersal capacity and sensitivity to climate, we expected to find high variability in endemic amphibian richness across the GC region. (2) What are the most important variables influencing turnover in endemic amphibians of the GC region? Previous studies have shown that geographic distance is an important driver of the generation and persistence of unique faunas with narrow geographic ranges (Ota, 1998; Rosauer and Jetz, 2015). We predicted that turnover in GC endemic amphibians would be strongly associated with geographic distance between grid cells, again due to their limited dispersal capacity of amphibians coupled with the presence of major rivers, mountains and other zoogeographic barriers in the GC region. Further, given amphibians' narrow thermal tolerance and performance breadths, seasonal breeding, and dependence on a humid environment (Qian et al., 2007; Qian, 2010; Rohr et al., 2018), we predicted that extreme or limiting bioclimatic factors (e.g., precipitation of the wettest/warmest quarter) and seasonality (e.g., annual range in temperature) would be the predominant climatic correlates of turnover.
Overview	Assumptions	Model assumptions	Model assumptions: We assumed that (i) relevant ecological drivers (or proxies) of species distributions are included, (ii) detectability does not change across environmental gradients, (iii) predictor measurements are free of error, (iv) the species are at equilibrium with their environment, and (v) sampling is sufficient and representative.
Overview	Algorithms	Modelling techniques	maxent
Overview	Algorithms	Model complexity	Data was modelled only to the present time, without projections to different regions or timescales, thus, a model selection was used to select model parameters
Overview	Algorithms	Model averaging	Yes

Overview	Workflow	Model workflow	We mapped the records directly into the grid (0.5° × 0.5°) for species with <3 unique records (n = 58 species). To estimate the species range, we first used the minimum convex polygon method to estimate the range for 47 species with 3-10 unique records. Second, we used species distribution modelling to map the ranges for 117 species with >10 unique records. We used the Maxent algorithm for species distribution modelling (Phillips et al., 2006). Using the ENMevaluate function from the R package ENMeval (Muscarella et al., 2014), we performed model selection with testing parameters such as feature class combinations (linear, quadratic, product, and threshold). Regularization multipliers were selected in Maxent using ENMevaluate. Using cross-validation (k = 10), we evaluated models and selected those with second-order Akaike Information Criterion (ΔAICc) < 2 and Area Under the Receiver Operator Curve (AUC; a measure of the diagnostic test accuracy) > 0.75. We used a 1-degree buffer around each species distribution to generate the background and project the data. We then used a threshold based on maximum specificity and sensitivity to produce binary predictions (presence-absence), which we converted into range maps (Nenzen & Araujo, 2011).
			Species richness ("endemic species richness") was calculated as the number of endemic species present in a grid cell. We chose a grid-scale size of 0.5° × 0.5° to estimate the number of endemic species present in a grid cell. Endemism was measured as weighted endemism, where the proportion of endemics is inversely weighted by their range size. For the estimations of the weighted endemism, we used the functions "weighted endemism" and "endemism.null.test" from the R package biomapME (Guerin et al., 2015). The distribution of the resulting set of null endemism scores was compared to the observed endemism. Subsequently, grid cells were mapped as higher or lower than expected (based on significance testing and comparison to null quantiles) to produce a binary-weighted endemism map.

			We calculated the species turnover component of beta diversity among each site (grid cell) with more than five species. We further built GDM models using all possible combinations of environmental variables (after removing those deemed to be colinear). Then, we consecutively excluded the variable with the smallest contribution from the full model (i.e., possible combinations of environmental variables). In each iteration, we calculated the relative variable importance (percentage of explained deviance between a model with and without a variable) and significance (P-value <0.05) through matrix permutations for each variable (n = 1,000). This approach retained only important variables after more than 160 successive permutations (following the 0.16 optimization level suggested in Heinze et al., 2018). All analyses were done in R using the package "betapart" (Baselga, 2010; Baselga et al., 2018).
			We used I-splines to identify the most important variables that illustrate nonlinear monotonic relationships between variables and species turnover (i.e., partial ecological distance). We produced the models using the R-package 'gdm' (Ferrier et al., 2007). We then used GDMs to predict species turnover across the entire study area (background of environmental variables). The results were clustered with the unweighted pair group method using arithmetic averages (UPGMA) to define bioregions with similar species composition.
Overview	Software	Software	Software: R (no version specified).
Overview	Software	Code availability	Availability of code: Appendix 1 of Patterns of species richness, endemism and turnover in amphibians of the African Guineo-Congolian rainforest.
Overview	Software	Data availability	Additional supporting information may be found in the online version of the article (Patterns of species richness, endemism and turnover in amphibians of the Guineo-Congolian rainforest) at the publisher's website.
Data	Biodiversity data	Taxon names	Amphibia
Data	Biodiversity data	Taxonomic reference system	We follow the taxonomy of Amphibian Species of the World database (https://amphibiansoftheworld.amnh.org)
Data	Biodiversity data	Ecological level	species

Data	Biodiversity data	Data sources	Species names were retrieved from Amphibiaweb database (https://amphibiaweb.org/; last accessed date: 1 April 2021) and the Amphibian Species of the World database (https://amphibiansoftheworld.amnh.org; last accessed date: 1 April 2021). Country range of the species confirmed from the International Union for Conservation of Nature (IUCN) Red List database (https://www.iucnredlist.org). Geographic occurrences were retrieved from field survey; Global Biodiversity Information Facility (GBIF; https://www.gbif.org; last accessed date: 17 April 2021), online portals (the University of California's Museum of Vertebrate Zoology; https://mvz.berkeley.edu; last accessed date: 21 April 2021) and published literature
Data	Biodiversity data	Sampling design	random
Data	Biodiversity data	Sample size	Our initial datasets included 7536 valid georeferenced records. Of these valid records, 7476 had been recorded in the searched databases and primary literature we reviewed. During our fieldwork (2016–2020) in Nigeria, we recorded 60 additional georeferenced records for ten species. After removing duplicates of georeferenced records, we retained 1205 unique records of 222 endemic amphibian species for analysis.
Data	Biodiversity data	Clipping	Central and West Africa
Data	Biodiversity data	Scaling	To avoid potential spatial autocorrelation among occurrence records or uneven sampling, we thinned the records using the package spThin, allowing a single record per pixel (~10 km2).
Data	Biodiversity data	Cleaning	We performed data cleaning and quality control of the records using the R package CoordinateCleaner (Zizka et al., 2019). To avoid potential spatial autocorrelation among occurrence records or uneven sampling, we thinned the records using the package spThin, (Aiello-Lammens et al., 2015), allowing a single record per pixel.
Data	Biodiversity data	Absence data	NA
Data	Biodiversity data	Background data	Background data were derived using a random sampling across a 1-degree buffer around the records of each species.

Data	Biodiversity data	Errors and biases	To avoid misidentification potential, we used species that have identified to species-level by the authors using either field taxonomic guide and/or genetic methods. We searched the Amphibiaweb database (https://amphibiaweb.org/; last accessed date: 1 April 2021) and the Amphibian Species of the World database (https://amphibiansoftheworld.amnh.org; last accessed date: 1 April 2021) to confirm the geographic distribution, taxonomic citations and species-level identification of amphibian species. We further searched the International Union for Conservation of Nature (IUCN) Red List database (https://www.iucnredlist.org) to cross-validate each species' geographic range and IUCN Red List status. We considered extant (resident) species in the GC forest for this study. Records with inaccurate/incomplete geographical location points were eliminated. Each species record was double-checked to match the currently recognized species distributions.
			To avoid potential spatial autocorrelation among occurrence records or uneven sampling, we thinned the records using the package spThin. This helps eliminate the biased selection of variables or model coefficients (Cruz et al., 2014). We removed occurrence records with potentially erroneous coordinates by checking: (a) if the coordinates fell within the species' IUCN range in GC region; and (b) if the corresponding elevation fell within the elevational range of the GC region.
Data	Data partitioning	Training data	10 folds
Data	Data partitioning	Validation data	Cross-validation
Data	Data partitioning	Test data	NA
Data	Predictor variables	Predictor variables	19 bioclimatic variables; relief roughness
Data	Predictor variables	Data sources	We downloaded 19 bioclimatic variables from the CHELSA project (Climatologies at High Resolution for the Earth's Land Surface Areas; http://chelsa-climate.org/; Karger et al., 2017). We downloaded an elevation layer from https://opentopography.org/about (Krishnan et al., 2011).
Data	Predictor variables	Spatial extent	
Data	Predictor variables	Spatial resolution	0.1 decimal degrees at the equator for bioclimatic variables
Data	Predictor variables	Coordinate reference system	+proj=longlat +datum=WGS84 +no_defs
Data	Predictor variables	Temporal extent	Bioclimatic variables: 1979-2013
Data	Predictor variables	Temporal resolution	NA

Data	Predictor variables	Data processing	All variables (bioclimatic variable and relief roughness) were cropped to a 1-degree buffer around all the species records to delimit the spatial range of the analysis.
Data	Predictor variables	Errors and biases	
Data	Predictor variables	Dimension reduction	NA
Data	Transfer data	Data sources	Chelsa v2.0
Data	Transfer data	Spatial extent	
Data	Transfer data	Spatial resolution	30 arc-seconds resolution corresponding to a spatial resolution of 0.1 decimal degrees at the equator for bioclimatic variables
Data	Transfer data	Temporal extent	Bioclimatic variables: 1979-2013
Data	Transfer data	Temporal resolution	We aggregated all rasters to a 0.1 x 0.1 degrees resolution and resampled the elevation raster in relation to the bioclimatic one.
Data	Transfer data	Models and scenarios	Only present time
Data	Transfer data	Data processing	Same scale as the model
Data	Transfer data	Quantification of Novelty	Model was projected only to a buffer of 1 degree around de species records.
Model	Variable pre-selection	Variable pre-selection	Initial analyses included all the 19 bioclimatic variables and relief roughness. We estimated the Variation Inflation Factor, which depicts the amount of multicollinearity in a set of multiple regression variables. We thus removed variables exceeding a threshold of 10 using Vstep (Naimi et al., 2014). Only variables without multicollinearity were retained for further analyses.
Model	Multicollinearity	Multicollinearity	We estimated the Variation Inflation Factor, which depicts the amount of multicollinearity in a set of multiple regression variables. We thus removed variables exceeding a threshold of 10 using Vstep (Naimi et al., 2014). Only variables without multicollinearity were retained for further analyses.
Model	Model settings	Model settings (fitting)	maxent: featureSet (L, LQ, LQP, T, LQT), featureRule (Default), regularizationMultiplierSet (0.5 - 5), regularizationRule (Default)
Model	Model settings	Model settings (extrapolation)	Clamping
Model	Model estimates	Coefficients	mean
Model	Model estimates	Parameter uncertainty	NA
Model	Model estimates	Variable importance	NA
Model	Model selection - model averaging - ensembles	Model selection	AIC and AUC

Model	Model selection - model averaging - ensembles	Model averaging	TSS average
Model	Model selection - model averaging - ensembles	Model ensembles	Ensemble using TSS on the models with delta-AIC less than 10 (considering maxent parameters of feature class and regularization)
Model	Analysis and Correction of non-independence	Spatial autocorrelation	NA
Model	Analysis and Correction of non-independence	Temporal autocorrelation	NA
Model	Analysis and Correction of non-independence	Nested data	NA
Model	Threshold selection	Threshold selection	Maximum specificity + sensitivity
Assessment	Performance statistics	Performance on training data	AUC; TSS
Assessment	Performance statistics	Performance on validation data	AUC; TSS
Assessment	Performance statistics	Performance on test data	
Assessment	Plausibility check	Response shapes	Expert judgement: Map display
Assessment	Plausibility check	Expert judgement	Map display
Prediction	Prediction output	Prediction unit	Same resolution of the environmental variables 0.1 degree
Prediction	Prediction output	Post-processing	Projected in a 1-degree buffer around the species records
Prediction	Uncertainty quantification	Algorithmic uncertainty	NA
Prediction	Uncertainty quantification	Input data uncertainty	NA
Prediction	Uncertainty quantification	Parameter uncertainty	NA
Prediction	Uncertainty quantification	Scenario uncertainty	NA
Prediction	Uncertainty quantification	Novel environments	NA

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6,"Astylosternus laurenti",6267.26042737005,"MCP_polygons"

7,"Astylosternus montanus",1359.06615400209,"MCP_polygons"

8,"Cardioglossa schioetzi",8252.49333872761,"MCP_polygons"

9,"Didynamipus sjostedti",1054.0426242748,"MCP_polygons"

10,"Hyperolius acutirostris",16987.6943655378,"MCP_polygons"

11,"Hyperolius baumanni",833.627437398785,"MCP_polygons"

12,"Hyperolius brachiofasciatus",237632.576909072,"MCP_polygons"

13,"Hyperolius langi",17829.7701911012,"MCP_polygons"

14,"Kassina decorata",4753.78971098483,"MCP_polygons"

15,"Kassina lamottei",278273.740155498,"MCP_polygons"

16,"Leptodactylodon perreti",9604.53086038759,"MCP_polygons"

17,"Leptopelis anebos",782.853628361031,"MCP_polygons"

18,"Leptopelis nordequatorialis",4766.5607352053,"MCP_polygons"

19,"Morerella cyanophthalma",184361.838172184,"MCP_polygons"

20,"Nimbaphrynoides occidentalis",10704.9549795263,"MCP_polygons"

21,"Petropedetes euskircheni",1311.70767081758,"MCP_polygons"

22,"Petropedetes johnstoni",2957.79528304808,"MCP_polygons"

23,"Phrynobatrachus afiabirago",4091.8019990459,"MCP_polygons"

24,"Phrynobatrachus annulatus",113113.46636329,"MCP_polygons"

25,"Phrynobatrachus batesii",909920.417433279,"MCP_polygons"

26,"Phrynobatrachus ghanensis",1859.4077900573,"MCP_polygons"

27,"Phrynobatrachus guineensis",5690.52032418508,"MCP_polygons"

28,"Phrynobatrachus ruthbeateae",2029.54330165766,"MCP_polygons"

29,"Ptychadena superciliaris",253394.569785589,"MCP_polygons"

30,"Werneria bambutensis",2277.77063584188,"MCP_polygons"

31,"Werneria mertensiana",6203.87806608512,"MCP_polygons"

32,"Werneria tandyi",1952.27446809582,"MCP_polygons"

33,"Xenopus amieti",61729.9834774254,"MCP_polygons"

34,"Xenopus eysoole",2275.58739241405,"MCP_polygons"

35,"Xenopus kobeli",17537.1365429041,"MCP_polygons"

36,"Xenopus longipes",2060.11159239418,"MCP_polygons"

37,"Acanthixalus spinosus",2777.65092792673,"points"

38,"Afrixalus vibekensis",2774.50798091242,"points"

39,"Alexteroon jynx",1387.75742341804,"points"

40,"Alexteroon obstetricans",2779.99733244559,"points"

41,"Amnirana fonensis",1382.20478362692,"points"

42,"Amnirana longipes",1387.52207141937,"points"

43,"Arthroleptis aureoli",1382.59488594037,"points"

44,"Arthroleptis bioko",1389.10348090655,"points"

45,"Arthroleptis krokosua",1385.1476883688,"points"

46,"Arthroleptis nlonakoensis",1388.25307012156,"points"

47,"Arthroleptis taeniata",1388.65421302704,"points"

48,"Astylosternus fallax",1604.90244650764,"points"

49,"Aubria occidentalis",1387.08791189067,"points"

50,"Cardioglossa alsco",1384.57593441755,"points"

51,"Cardioglossa annulata",1389.99072670528,"points"

52,"Cardioglossa congolia",1389.84782447932,"points"

53,"Cardioglossa escalerae",2779.23024235692,"points"

54,"Cardioglossa manengouba",1387.6994384928,"points"

55,"Chrysobatrachus cupreonitens",1389.25345072368,"points"

56,"Conraua derooi",1386.13451792694,"points"

57,"Hemisus olivaceus",1390.45168645734,"points"

58,"Hymenochirus boulengeri",2780.50426932873,"points"

59,"Hyperolius bobirensis",2213.04422209406,"points"

60,"Hyperolius bopeleti",1389.97268608508,"points"

61,"Hyperolius ferrugineus",1390.61829942138,"points"

62,"Hyperolius jacobseni",1386.82706747762,"points"

63,"Hyperolius mosaicus",1606.86443114969,"points"

64,"Hyperolius nienokouensis",1387.21482324051,"points"

65,"Hyperolius robustus",2781.2038455139,"points"

66,"Hyperolius schoutedeni",1390.36790077851,"points"

67,"Hyperolius viridigulosus",2774.54969702331,"points"

68,"Kassina schioetzi",2766.61031925305,"points"

69,"Leptodactylodon albiventris",1922.41020376987,"points"

70,"Leptodactylodon boulengeri",1387.92785059015,"points"

71,"Leptodactylodon erythrogaster",1604.83555614776,"points"

72,"Leptodactylodon ornatus",1387.81480499238,"points"

73,"Leptodactylodon ovatus",2774.83023579132,"points"

74,"Leptodactylodon stevarti",2781.15670252721,"points"

75,"Leptopelis zebra",1390.59846387931,"points"

76,"Odontobatrachus smithi",1377.05767386476,"points"

77,"Petropedetes juliawurstnerae",1387.92785059012,"points"

78,"Phrynobatrachus asper",1389.51850297249,"points"

79,"Phrynobatrachus batesi",1390.09459933827,"points"

80,"Phrynobatrachus chukuchuku",1386.13451792707,"points"

81,"Phrynobatrachus danko",1384.74217526852,"points"

82,"Phrynobatrachus intermedius",1387.40089522906,"points"

83,"Phrynobatrachus manengoubensis",1387.6994384928,"points"

84,"Phrynobatrachus ogoensis",1390.60663635567,"points"

85,"Phrynobatrachus rainerguentheri",1387.02355412148,"points"

86,"Phrynobatrachus schioetzi",1386.55696464877,"points"

87,"Ptychadena ingeri",1390.45168645736,"points"

88,"Sclerophrys taiensis",2772.20206022488,"points"

89,"Sclerophrys villiersi",2772.5239028329,"points"

90,"Werneria iboundji",1390.47440034275,"points"

91,"Werneria preussi",1605.09904604051,"points"

92,"Werneria submontana",1387.75742341804,"points"

93,"Wolterstorffina chirioi",1386.13451792707,"points"

94,"Xenopus boumbaensis",1390.49147808499,"points"

95,"Hyperolius koehleri",1387.4617851327,"MCP_polygons"

96,"Phrynobatrachus njiomock",1632.84657893396,"MCP_polygons"

97,"Kassina cochranae",1814.78871272225,"MCP_polygons"

98,"Leptodactylodon axillaris",1386.89312590032,"MCP_polygons"

99,"Hymenochirus curtipes",2780.84784248439,"MCP_polygons"

100,"Hyperolius leucotaenius",2403.46083983428,"MCP_polygons"

101,"Kassina maculosa",2773.31474095659,"MCP_polygons"

102,"Leptopelis crystallinoron",2330.65963456476,"MCP_polygons"

103,"Petropedetes vulpiae",2775.43944609258,"MCP_polygons"

104,"Phrynobatrachus horsti",2779.8304996596,"MCP_polygons"

105,"Wolterstorffina mirei",2773.09943530295,"MCP_polygons"

106,"Afrixalus equatorialis",396882.723961256,"models"

107,"Afrixalus fulvovittatus",1642925.22373479,"models"

108,"Afrixalus lacteus",24536.4985193673,"models"

109,"Afrixalus nigeriensis",204999.183046803,"models"

110,"Afrixalus paradorsalis",141394.897993334,"models"

111,"Amnirana amnicola",356638.905613675,"models"

112,"Amnirana lepus",301222.837627167,"models"

113,"Arthroleptis adelphus",390396.05475221,"models"

114,"Arthroleptis brevipes",9141.01390852721,"models"

115,"Arthroleptis palava",39836.0585740926,"models"

116,"Arthroleptis perreti",184409.992039048,"models"

117,"Arthroleptis sylvaticus",556260.797840928,"models"

118,"Arthroleptis taeniatus",190528.527101559,"models"

119,"Arthroleptis variabilis",509771.982371603,"models"

120,"Astylosternus batesi",319723.48621912,"models"

121,"Astylosternus diadematus",79832.6983716051,"models"

122,"Astylosternus occidentalis",156075.374056358,"models"

123,"Astylosternus perreti",9193.21960242688,"models"

124,"Astylosternus rheophilus",33713.8421094341,"models"

125,"Aubria masako",575301.645664003,"models"

126,"Aubria subsigillata",150556.759147606,"models"

127,"Cardioglossa elegans",12305.0095360939,"models"

128,"Cardioglossa gracilis",316535.405235891,"models"

129,"Cardioglossa gratiosa",510637.428850721,"models"

130,"Cardioglossa melanogaster",12267.362129833,"models"

131,"Cardioglossa occidentalis",177317.846445101,"models"

132,"Cardioglossa oreas",36806.0899931271,"models"

133,"Cardioglossa pulchra",33738.6352460609,"models"

134,"Conraua alleni",149776.330546927,"models"

135,"Conraua crassipes",393361.908074142,"models"

136,"Conraua goliath",70635.9200627545,"models"

137,"Conraua robusta",52197.675827853,"models"

138,"Geotrypetes seraphini",666380.573941278,"models"

139,"Hemisus perreti",24597.7503521268,"models"

140,"Herpele squalostoma",110531.580624879,"models"

141,"Hymenochirus boettgeri",329062.160605944,"models"

142,"Hyperolius ademetzi",42935.9952544979,"models"

143,"Hyperolius bolifambae",387246.144143698,"models"

144,"Hyperolius camerunensis",39878.0032379117,"models"

145,"Hyperolius chlorosteus",85617.0441546665,"models"

146,"Hyperolius concolor",782664.810231079,"models"

147,"Hyperolius constellatus",15365.6565749665,"models"

148,"Hyperolius dintelmanni",27603.9532664336,"models"

149,"Hyperolius fusciventris",606044.794913694,"models"

150,"Hyperolius guttulatus",757533.010243915,"models"

151,"Hyperolius pardalis",150735.778135046,"models"

152,"Hyperolius phantasticus",212245.055556455,"models"

153,"Hyperolius picturatus",475324.82782817,"models"

154,"Hyperolius riggenbachi",45998.8550886224,"models"

155,"Hyperolius sylvaticus",654579.913077682,"models"

156,"Hyperolius torrentis",42760.0588390886,"models"

157,"Hyperolius tuberculatus",436559.781407963,"models"

158,"Hyperolius zonatus",79464.1754696058,"models"

159,"Kassina arboricola",12250.8478181145,"models"

160,"Leptodactylodon bicolor",21471.7280164083,"models"

161,"Leptodactylodon mertensi",15336.8185836657,"models"

162,"Leptopelis aubryioides",365844.821952772,"models"

163,"Leptopelis boulengeri",98336.6460793656,"models"

164,"Leptopelis brevirostris",411810.305843069,"models"

165,"Leptopelis calcaratus",393334.685633062,"models"

166,"Leptopelis macrotis",159309.840475655,"models"

167,"Leptopelis millsoni",381072.082235178,"models"

168,"Leptopelis modestus",67542.9577822388,"models"

169,"Leptopelis mtoewaate",24576.8952678167,"models"

170,"Leptopelis occidentalis",137876.735669517,"models"

171,"Leptopelis ocellatus",639504.102997612,"models"

172,"Leptopelis rufus",132075.515041078,"models"

173,"Leptopelis spiritusnoctis",397563.754618038,"models"

174,"Nectophryne afra",221209.786862838,"models"

175,"Nectophryne batesii",331970.499122743,"models"

176,"Nyctibates corrugatus",205879.06050256,"models"

177,"Odontobatrachus natator",110023.36218176,"models"

178,"Opisthothylax immaculatus",276576.431018505,"models"

179,"Petropedetes cameronensis",3069.45649062271,"models"

180,"Petropedetes newtoni",196745.070694715,"models"

181,"Petropedetes palmipes",64546.2081261699,"models"

182,"Petropedetes parkeri",316242.431445091,"models"

183,"Petropedetes perreti",36812.777773467,"models"

184,"Phlyctimantis boulengeri",192965.633754244,"models"

185,"Phlyctimantis leonardi",295116.288824083,"models"

186,"Phrynobatrachus africanus",648626.015105669,"models"

187,"Phrynobatrachus alleni",82566.14624684,"models"

188,"Phrynobatrachus cornutus",248864.314367341,"models"

189,"Phrynobatrachus cricogaster",18408.5043813852,"models"

190,"Phrynobatrachus fraterculus",85611.9035741479,"models"

191,"Phrynobatrachus gutturosus",357312.018095183,"models"

192,"Phrynobatrachus hylaios",651349.463584594,"models"

193,"Phrynobatrachus jimzimkusi",18401.8166010453,"models"

194,"Phrynobatrachus liberiensis",220187.002724429,"models"

195,"Phrynobatrachus mayokoensis",24602.5085938463,"models"

196,"Phrynobatrachus phyllophilus",140650.740306616,"models"

197,"Phrynobatrachus plicatus",468862.279302191,"models"

198,"Phrynobatrachus sandersoni",135166.311357073,"models"

199,"Phrynobatrachus steindachneri",36794.4890793074,"models"

200,"Phrynobatrachus tokba",247724.386659597,"models"

201,"Phrynobatrachus villiersi",9193.21954117074,"models"

202,"Phrynobatrachus werneri",30657.5778170586,"models"

203,"Ptychadena aequiplicata",1215802.52484959,"models"

204,"Ptychadena longirostris",483242.792646013,"models"

205,"Ptychadena perreti",273686.784321291,"models"

206,"Sclerophrys camerunensis",454982.189332017,"models"

207,"Sclerophrys channingi",89178.3182210764,"models"

208,"Sclerophrys gracilipes",347390.509309618,"models"

209,"Sclerophrys latifrons",992311.401245789,"models"

210,"Sclerophrys perreti",21471.7280777135,"models"

211,"Sclerophrys superciliaris",439133.893037451,"models"

212,"Sclerophrys togoensis",201918.876962394,"models"

213,"Sclerophrys tuberosa",445721.453919987,"models"

214,"Scotobleps gabonicus",144375.586850173,"models"

215,"Wolterstorffina parvipalmata",3069.45649062271,"models"

216,"Xenopus allofraseri",246008.333462027,"models"

217,"Xenopus calcaratus",27635.0701244383,"models"

218,"Xenopus fraseri",644997.561677164,"models"

219,"Xenopus itombwensis",3072.1340387805,"models"

220,"Xenopus lenduensis",6150.37265901994,"models"

221,"Xenopus mellotropicalis",67638.7331910196,"models"

222,"Xenopus parafraseri",64495.5893848706,"models"

S/No	species	area_sqkm	class
1	*Acanthixalus sonjae*	53241,79672	MCP_polygons
2	*Amietia chapini*	52907,17281	MCP_polygons
3	*Amnirana asperrima*	7888,042426	MCP_polygons
4	*Amnirana occidentalis*	105810,1553	MCP_polygons
5	*Astylosternus laticephalus*	4328,24783	MCP_polygons
6	*Astylosternus laurenti*	6267,260427	MCP_polygons
7	*Astylosternus montanus*	1359,066154	MCP_polygons
8	*Cardioglossa schioetzi*	8252,493339	MCP_polygons
9	*Didynamipus sjostedti*	1054,042624	MCP_polygons
10	*Hyperolius acutirostris*	16987,69437	MCP_polygons
11	*Hyperolius baumanni*	833,6274374	MCP_polygons
12	*Hyperolius brachiofasciatus*	237632,5769	MCP_polygons
13	*Hyperolius langi*	17829,77019	MCP_polygons
14	*Kassina decorata*	4753,789711	MCP_polygons
15	*Kassina lamottei*	278273,7402	MCP_polygons
16	*Leptodactylodon perreti*	9604,53086	MCP_polygons
17	*Leptopelis anebos*	782,8536284	MCP_polygons
18	*Leptopelis nordequatorialis*	4766,560735	MCP_polygons
19	*Morerella cyanophthalma*	184361,8382	MCP_polygons
20	*Nimbaphrynoides occidentalis*	10704,95498	MCP_polygons
21	*Petropedetes euskircheni*	1311,707671	MCP_polygons
22	*Petropedetes johnstoni*	2957,795283	MCP_polygons
23	*Phrynobatrachus afiabirago*	4091,801999	MCP_polygons
24	*Phrynobatrachus annulatus*	113113,4664	MCP_polygons
25	*Phrynobatrachus batesii*	909920,4174	MCP_polygons
26	*Phrynobatrachus ghanensis*	1859,40779	MCP_polygons
27	*Phrynobatrachus guineensis*	5690,520324	MCP_polygons
28	*Phrynobatrachus ruthbeateae*	2029,543302	MCP_polygons
29	*Ptychadena superciliaris*	253394,5698	MCP_polygons
30	*Werneria bambutensis*	2277,770636	MCP_polygons
31	*Werneria mertensiana*	6203,878066	MCP_polygons
32	*Werneria tandyi*	1952,274468	MCP_polygons
33	*Xenopus amieti*	61729,98348	MCP_polygons
34	*Xenopus eysoole*	2275,587392	MCP_polygons
35	*Xenopus kobeli*	17537,13654	MCP_polygons
36	*Xenopus longipes*	2060,111592	MCP_polygons
37	*Acanthixalus spinosus*	2777,650928	points
38	*Afrixalus vibekensis*	2774,507981	points
39	*Alexteroon jynx*	1387,757423	points
40	*Alexteroon obstetricans*	2779,997332	points
41	*Amnirana fonensis*	1382,204784	points
42	*Amnirana longipes*	1387,522071	points
43	*Arthroleptis aureoli*	1382,594886	points
44	*Arthroleptis bioko*	1389,103481	points

45	*Arthroleptis krokosua*	1385,147688	points
46	*Arthroleptis nlonakoensis*	1388,25307	points
47	*Arthroleptis taeniata*	1388,654213	points
48	*Astylosternus fallax*	1604,902447	points
49	*Aubria occidentalis*	1387,087912	points
50	*Cardioglossa alsco*	1384,575934	points
51	*Cardioglossa annulata*	1389,990727	points
52	*Cardioglossa congolia*	1389,847824	points
53	*Cardioglossa escalerae*	2779,230242	points
54	*Cardioglossa manengouba*	1387,699438	points
55	*Chrysobatrachus cupreonitens*	1389,253451	points
56	*Conraua derooi*	1386,134518	points
57	*Hemisus olivaceus*	1390,451686	points
58	*Hymenochirus boulengeri*	2780,504269	points
59	*Hyperolius bobirensis*	2213,044222	points
60	*Hyperolius bopeleti*	1389,972686	points
61	*Hyperolius ferrugineus*	1390,618299	points
62	*Hyperolius jacobseni*	1386,827067	points
63	*Hyperolius mosaicus*	1606,864431	points
64	*Hyperolius nienokouensis*	1387,214823	points
65	*Hyperolius robustus*	2781,203846	points
66	*Hyperolius schoutedeni*	1390,367901	points
67	*Hyperolius viridigulosus*	2774,549697	points
68	*Kassina schioetzi*	2766,610319	points
69	*Leptodactylodon albiventris*	1922,410204	points
70	*Leptodactylodon boulengeri*	1387,927851	points
71	*Leptodactylodon erythrogaster*	1604,835556	points
72	*Leptodactylodon ornatus*	1387,814805	points
73	*Leptodactylodon ovatus*	2774,830236	points
74	*Leptodactylodon stevarti*	2781,156703	points
75	*Leptopelis zebra*	1390,598464	points
76	*Odontobatrachus smithi*	1377,057674	points
77	*Petropedetes juliawurstnerae*	1387,927851	points
78	*Phrynobatrachus asper*	1389,518503	points
79	*Phrynobatrachus batesi*	1390,094599	points
80	*Phrynobatrachus chukuchuku*	1386,134518	points
81	*Phrynobatrachus danko*	1384,742175	points
82	*Phrynobatrachus intermedius*	1387,400895	points
83	*Phrynobatrachus manengoubensis*	1387,699438	points
84	*Phrynobatrachus ogoensis*	1390,606636	points
85	*Phrynobatrachus rainerguentheri*	1387,023554	points
86	*Phrynobatrachus schioetzi*	1386,556965	points
87	*Ptychadena ingeri*	1390,451686	points
88	*Sclerophrys taiensis*	2772,20206	points
89	*Sclerophrys villiersi*	2772,523903	points

90	*Werneria iboundji*	1390,4744	points
91	*Werneria preussi*	1605,099046	points
92	*Werneria submontana*	1387,757423	points
93	*Wolterstorffina chirioi*	1386,134518	points
94	*Xenopus boumbaensis*	1390,491478	points
95	*Hyperolius koehleri*	1387,461785	MCP_polygons
96	*Phrynobatrachus njiomock*	1632,846579	MCP_polygons
97	*Kassina cochranae*	1814,788713	MCP_polygons
98	*Leptodactylodon axillaris*	1386,893126	MCP_polygons
99	*Hymenochirus curtipes*	2780,847842	MCP_polygons
100	*Hyperolius leucotaenius*	2403,46084	MCP_polygons
101	*Kassina maculosa*	2773,314741	MCP_polygons
102	*Leptopelis crystallinoron*	2330,659635	MCP_polygons
103	*Petropedetes vulpiae*	2775,439446	MCP_polygons
104	*Phrynobatrachus horsti*	2779,8305	MCP_polygons
105	*Wolterstorffina mirei*	2773,099435	MCP_polygons
106	*Afrixalus equatorialis*	396882,724	models
107	*Afrixalus fulvovittatus*	1642925,224	models
108	*Afrixalus lacteus*	24536,49852	models
109	*Afrixalus nigeriensis*	204999,183	models
110	*Afrixalus paradorsalis*	141394,898	models
111	*Amnirana amnicola*	356638,9056	models
112	*Amnirana lepus*	301222,8376	models
113	*Arthroleptis adelphus*	390396,0548	models
114	*Arthroleptis brevipes*	9141,013909	models
115	*Arthroleptis palava*	39836,05857	models
116	*Arthroleptis perreti*	184409,992	models
117	*Arthroleptis sylvaticus*	556260,7978	models
118	*Arthroleptis taeniatus*	190528,5271	models
119	*Arthroleptis variabilis*	509771,9824	models
120	*Astylosternus batesi*	319723,4862	models
121	*Astylosternus diadematus*	79832,69837	models
122	*Astylosternus occidentalis*	156075,3741	models
123	*Astylosternus perreti*	9193,219602	models
124	*Astylosternus rheophilus*	33713,84211	models
125	*Aubria masako*	575301,6457	models
126	*Aubria subsigillata*	150556,7591	models
127	*Cardioglossa elegans*	12305,00954	models
128	*Cardioglossa gracilis*	316535,4052	models
129	*Cardioglossa gratiosa*	510637,4289	models
130	*Cardioglossa melanogaster*	12267,36213	models
131	*Cardioglossa occidentalis*	177317,8464	models
132	*Cardioglossa oreas*	36806,08999	models
133	*Cardioglossa pulchra*	33738,63525	models
134	*Conraua alleni*	149776,3305	models

135	*Conraua crassipes*	393361,9081	models
136	*Conraua goliath*	70635,92006	models
137	*Conraua robusta*	52197,67583	models
138	*Geotrypetes seraphini*	666380,5739	models
139	*Hemisus perreti*	24597,75035	models
140	*Herpele squalostoma*	110531,5806	models
141	*Hymenochirus boettgeri*	329062,1606	models
142	*Hyperolius ademetzi*	42935,99525	models
143	*Hyperolius bolifambae*	387246,1441	models
144	*Hyperolius camerunensis*	39878,00324	models
145	*Hyperolius chlorosteus*	85617,04415	models
146	*Hyperolius concolor*	782664,8102	models
147	*Hyperolius constellatus*	15365,65657	models
148	*Hyperolius dintelmanni*	27603,95327	models
149	*Hyperolius fusciventris*	606044,7949	models
150	*Hyperolius guttulatus*	757533,0102	models
151	*Hyperolius pardalis*	150735,7781	models
152	*Hyperolius phantasticus*	212245,0556	models
153	*Hyperolius picturatus*	475324,8278	models
154	*Hyperolius riggenbachi*	45998,85509	models
155	*Hyperolius sylvaticus*	654579,9131	models
156	*Hyperolius torrentis*	42760,05884	models
157	*Hyperolius tuberculatus*	436559,7814	models
158	*Hyperolius zonatus*	79464,17547	models
159	*Kassina arboricola*	12250,84782	models
160	*Leptodactylodon bicolor*	21471,72802	models
161	*Leptodactylodon mertensi*	15336,81858	models
162	*Leptopelis aubryioides*	365844,822	models
163	*Leptopelis boulengeri*	98336,64608	models
164	*Leptopelis brevirostris*	411810,3058	models
165	*Leptopelis calcaratus*	393334,6856	models
166	*Leptopelis macrotis*	159309,8405	models
167	*Leptopelis millsoni*	381072,0822	models
168	*Leptopelis modestus*	67542,95778	models
169	*Leptopelis mtoewaate*	24576,89527	models
170	*Leptopelis occidentalis*	137876,7357	models
171	*Leptopelis ocellatus*	639504,103	models
172	*Leptopelis rufus*	132075,515	models
173	*Leptopelis spiritusnoctis*	397563,7546	models
174	*Nectophryne afra*	221209,7869	models
175	*Nectophryne batesii*	331970,4991	models
176	*Nyctibates corrugatus*	205879,0605	models
177	*Odontobatrachus natator*	110023,3622	models
178	*Opisthothylax immaculatus*	276576,431	models
179	*Petropedetes cameronensis*	3069,456491	models

180	*Petropedetes newtoni*	196745,0707	models
181	*Petropedetes palmipes*	64546,20813	models
182	*Petropedetes parkeri*	316242,4314	models
183	*Petropedetes perreti*	36812,77777	models
184	*Phlyctimantis boulengeri*	192965,6338	models
185	*Phlyctimantis leonardi*	295116,2888	models
186	*Phrynobatrachus africanus*	648626,0151	models
187	*Phrynobatrachus alleni*	82566,14625	models
188	*Phrynobatrachus cornutus*	248864,3144	models
189	*Phrynobatrachus cricogaster*	18408,50438	models
190	*Phrynobatrachus fraterculus*	85611,90357	models
191	*Phrynobatrachus gutturosus*	357312,0181	models
192	*Phrynobatrachus hylaios*	651349,4636	models
193	*Phrynobatrachus jimzimkusi*	18401,8166	models
194	*Phrynobatrachus liberiensis*	220187,0027	models
195	*Phrynobatrachus mayokoensis*	24602,50859	models
196	*Phrynobatrachus phyllophilus*	140650,7403	models
197	*Phrynobatrachus plicatus*	468862,2793	models
198	*Phrynobatrachus sandersoni*	135166,3114	models
199	*Phrynobatrachus steindachneri*	36794,48908	models
200	*Phrynobatrachus tokba*	247724,3867	models
201	*Phrynobatrachus villiersi*	9193,219541	models
202	*Phrynobatrachus werneri*	30657,57782	models
203	*Ptychadena aequiplicata*	1215802,525	models
204	*Ptychadena longirostris*	483242,7926	models
205	*Ptychadena perreti*	273686,7843	models
206	*Sclerophrys camerunensis*	454982,1893	models
207	*Sclerophrys channingi*	89178,31822	models
208	*Sclerophrys gracilipes*	347390,5093	models
209	*Sclerophrys latifrons*	992311,4012	models
210	*Sclerophrys perreti*	21471,72808	models
211	*Sclerophrys superciliaris*	439133,893	models
212	*Sclerophrys togoensis*	201918,877	models
213	*Sclerophrys tuberosa*	445721,4539	models
214	*Scotobleps gabonicus*	144375,5869	models
215	*Wolterstorffina parvipalmata*	3069,456491	models
216	*Xenopus allofraseri*	246008,3335	models
217	*Xenopus calcaratus*	27635,07012	models
218	*Xenopus fraseri*	644997,5617	models
219	*Xenopus itombwensis*	3072,134039	models
220	*Xenopus lenduensis*	6150,372659	models
221	*Xenopus mellotropicalis*	67638,73319	models
222	*Xenopus parafraseri*	64495,58938	models

Table S7: Mean Species Richness of Endemic Amphibians Per Country

S/No	Country	Mean
1	Benin	18
2	Burkina Faso	5
3	Cameroon	131
4	Central African Republic	17
5	Republic of Congo	58
6	Cote d'Ivoire	50
7	Democratic Republic of the Congo	52
8	Equatorial Guinea	59
9	Gabon	71
10	Ghana	44
11	Guinea	31
12	Liberia	39
13	Nigeria	64
14	Senegal	19
15	Sierra Leone	23
16	Togo	20